

# Houston Pilots Forecast Package



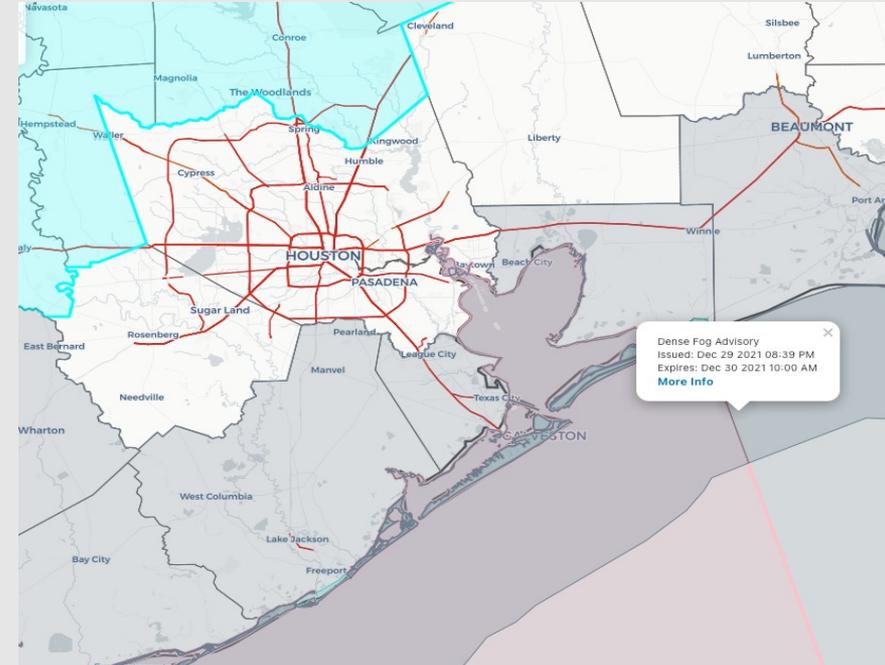
Updated: 5:00 AM CT

Thursday, December 30, 2021

Forecaster: Vince Bryan

## Weather Headlines

- Fog continues the rest of the AM, with the fog threat increasing for Friday AM as well.
- Low end, light shower chances the next few days will be possible, but no notable precip is favored for the next several days.
- Winds continue out of the South/ SW for most of the week. Winds become elevated Friday, with a front passing of the front Saturday PM that will shift winds out of the N. Peak winds look to come late Sat night – Sunday AM.



**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	12-30-2021 Thu 3am	12-30-2021 Thu 4am	12-30-2021 Thu 5am	12-30-2021 Thu 6am	12-30-2021 Thu 7am	12-30-2021 Thu 8am	12-30-2021 Thu 9am	12-30-2021 Thu 10am	12-30-2021 Thu 11am	12-30-2021 Thu 12pm	12-30-2021 Thu 1pm	12-30-2021 Thu 2pm	12-30-2021 Thu 3pm	12-30-2021 Thu 4pm	12-30-2021 Thu 5pm	12-30-2021 Thu 6pm	12-30-2021 Thu 7pm	12-30-2021 Thu 8pm	12-30-2021 Thu 9pm	12-30-2021 Thu 10pm	12-30-2021 Thu 11pm	12-31-2021 Fri 12am	12-31-2021 Fri 1am	12-31-2021 Fri 2am	12-31-2021 Fri 3am	12-31-2021 Fri 4am	12-31-2021 Fri 5am	12-31-2021 Fri 6am	12-31-2021 Fri 7am	12-31-2021 Fri 8am	12-31-2021 Fri 9am	12-31-2021 Fri 10am	12-31-2021 Fri 11am	12-31-2021 Fri 12pm	12-31-2021 Fri 1pm	12-31-2021 Fri 2pm				
Houston Pilots N - 610 Bridge	4.874	4.581	3.948	2.914	0.477	0.239	2.988	6.955	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.964	6.227	4.931	3.897	0.716	0.477	0.477	0.239	0.477	0.477	0.477	0.239	1.988	4.931	6.964	8.988	10.000	10.000				
Houston Pilots M - Kinder 1	5.039	4.581	3.948	2.914	0.477	0.239	2.988	6.955	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.964	6.449	5.745	4.983	2.460	2.460	1.918	2.284	2.460	2.460	2.336	2.284	3.826	5.996	7.462	8.988	10.000	10.000				
Houston Pilots L - Greens Bayou	4.874	4.581	3.948	2.914	0.477	0.239	2.975	6.952	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.952	7.026	6.578	6.093	4.884	4.884	3.146	4.814	4.884	4.912	4.814	4.814	5.764	7.192	8.017	8.988	10.000	10.000				
Houston Pilots K - Shell Crude	5.039	4.581	3.948	2.914	0.477	0.239	2.972	6.948	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.948	7.026	8.033	8.033	6.328	6.328	3.977	6.328	6.419	6.419	6.328	6.328	8.033	8.988	8.988	8.988	10.000	10.000				
Houston Pilots J - Lynchburg Ferries	3.948	3.948	3.948	2.914	0.477	0.239	2.943	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.920	7.026	8.033	8.033	6.410	6.410	3.977	6.410	6.557	6.557	6.328	6.410	8.033	8.988	8.988	8.988	10.000	10.000				
Houston Pilots I - Exxon 3	3.948	3.948	3.948	2.914	0.477	0.239	2.943	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.920	7.026	8.033	8.033	6.410	6.410	3.977	6.410	6.557	6.557	6.328	6.410	8.033	8.988	8.988	8.988	10.000	10.000				
Houston Pilots H - Morgans Point	3.948	3.948	3.948	2.914	0.341	0.239	2.943	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.920	7.026	8.033	8.033	6.410	6.410	4.789	6.410	8.033	8.033	6.328	6.410	8.033	8.988	8.988	8.988	10.000	10.000				
Houston Pilots G - 75/76	3.948	3.948	3.948	0.382	0.239	0.239	2.943	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.920	7.026	8.033	8.033	6.410	6.410	4.789	6.410	7.610	7.610	6.328	6.410	8.033	8.988	8.988	8.988	9.480	10.000				
Houston Pilots F - 63/64	3.948	3.948	0.725	0.289	0.239	0.239	2.943	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.879	6.920	6.410	8.033	8.033	6.410	6.410	5.965	8.033	8.033	8.033	6.328	6.410	8.033	8.988	8.988	8.988	8.988	10.000			
Houston Pilots E - 51/52	2.032	1.298	0.373	0.289	0.239	0.239	2.187	5.062	9.416	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	5.855	8.033	7.922	5.760	5.760	6.999	8.033	8.033	8.033	6.999	6.999	8.033	8.988	8.988	8.783	8.988	9.641			
Houston Pilots D - 37/38	0.289	0.289	0.289	0.289	0.239	0.239	0.239	2.943	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	7.524	8.033	6.913	5.827	5.827	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.969	7.955	7.993	8.988	
Houston Pilots C - 25/26	0.289	0.289	0.289	0.289	0.239	0.239	0.239	0.239	0.477	9.740	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.613	7.382	8.033	8.033	7.370	7.712	7.712	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.969	8.033	8.213	8.988	
Houston Pilots B - 11/12	0.289	0.289	0.289	0.289	0.239	0.239	0.239	0.239	0.477	0.937	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.056	5.948	7.724	7.524	7.813	7.724	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.265
Houston Pilots A - 1 & 2 Bravo	0.289	0.289	0.289	0.289	0.239	0.184	0.239	0.239	0.477	0.716	1.113	5.464	6.920	7.664	6.920	5.728	1.342	3.536	6.999	6.332	6.809	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033		

Data is likely underdone with the fog threat Friday AM, more details on the slides below.

# Houston Pilots Extended Range Visibility Report



## Sunday, 1/2/22

Not anticipating fog Sun AM with elevated winds out of the north and the front passing through.



## Monday, 1/3/22

Currently not anticipating fog at our stations Mon AM, winds continue out of the N/NE.



## Tuesday, 1/4/22

A return to weak onshore winds would at least present the possibility of sea fog. Chances for fog look slightly better ~mid next week for potential fog.



### Daily Fog Chance

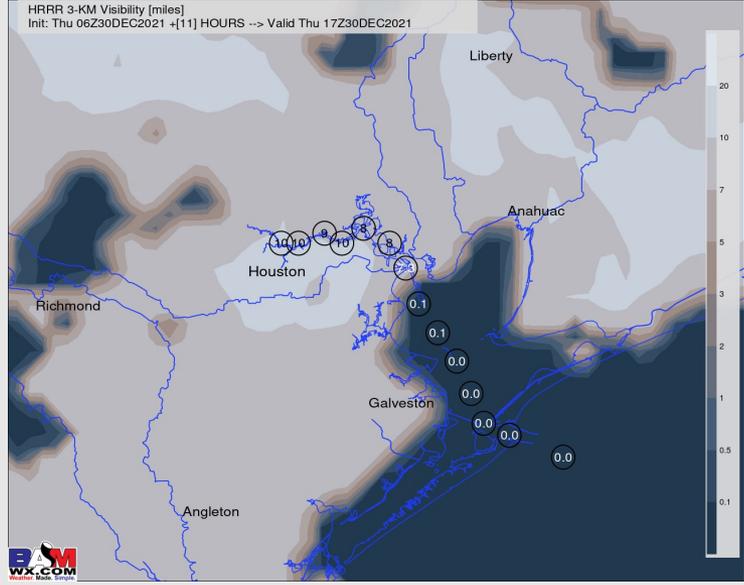
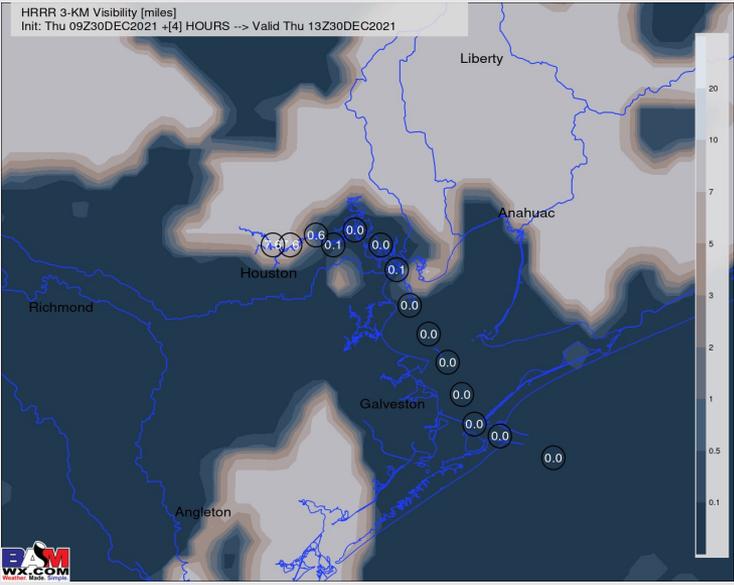
Sunday AM	Unlikely
Monday AM	Unlikely
Tuesday AM	Possible

# Houston Pilots Visibility Report



## 8 PM CT WED Visibility (miles)      11 AM CT THU Visibility (miles)

## Confidence



**Fog Threat**  
**CURRENT ~ 11 AM THU      High**

- Dense fog is being observed across the area and is likely to continue through most of the morning. For stations N of Morgan’s Point, any fog likely lifts by 9-10 AM. Visibilities of less than 0.5 miles will continue to be possible out through mid-morning.
- While most of the Dense Fog Advisories that have been issued are set to expire around ~9-10 AM, we would not be surprised to see this extended. Latest data is suggesting that reduced visibility south of Morgan’s Point could linger into the early afternoon hours. Any fog after ~10 AM likely becomes a bit more patchy, but we want to make it clear that pockets of patchy fog into the late AM/ early PM hours are certainly possible. The coverage of fog late AM into the early PM is the lowest confidence part of the forecast.
- For areas that do have fog lift this AM, reduced visibility still looks likely into the afternoon with a mist/haze and 3-5 mile visibilities possible.
- The early to mid PM hours (1 – 5 PM) are when we’d expect the coverage of any reduced visibility to overall be the lowest before another possible round of fog tonight.

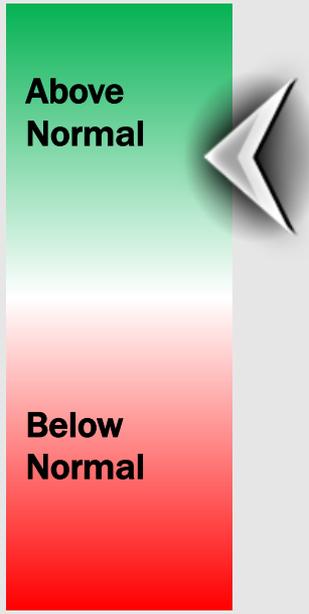
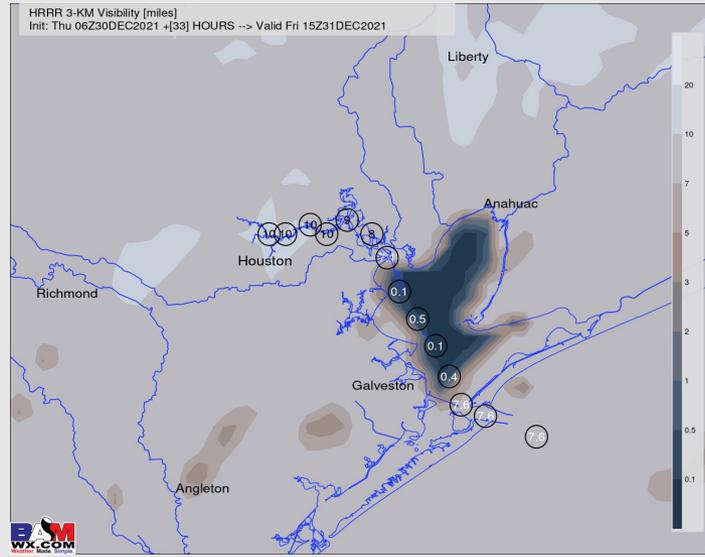
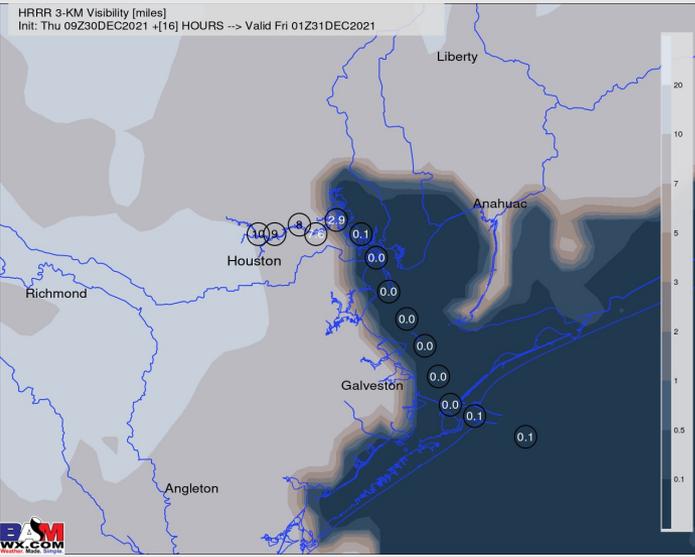
# Houston Pilots Visibility Report



## 8 PM CT THU Visibility (miles)

## 7 AM CT FRI Visibility (miles)

## Confidence



**Fog Threat**

7 PM THU - 9 AM FRI

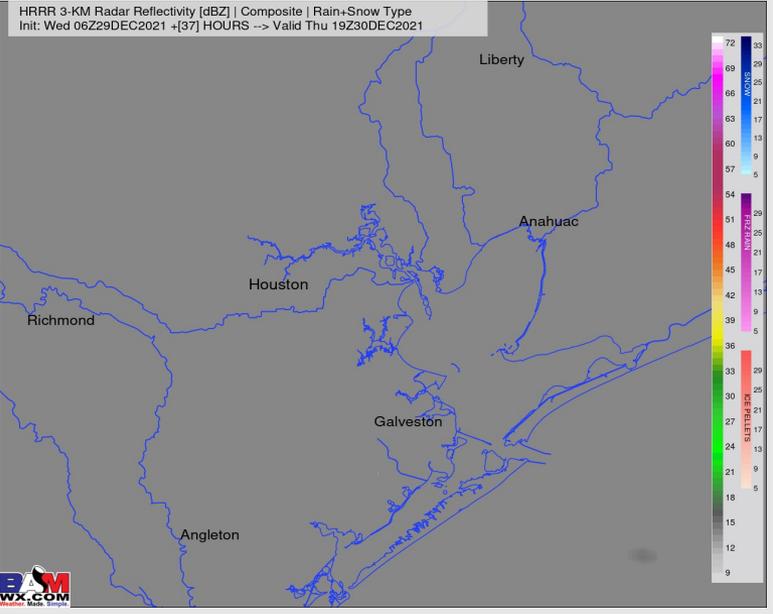
**High**

- We have high confidence of sea fog being likely this evening, but as usual the lowest confidence part of the forecast comes with when fog becomes widespread. After a bit of a relax in widespread fog coverage in the early- mid PM hours, near sundown is likely when fog starts to turn a bit more widespread.
- Similar to what is ongoing as of this report, dense fog of less than 1 mile will be possible for just about any of our stations.
- Current thinking is that near ~1-3 AM, winds can turn a bit more out of the SSW vs S, and that can allow for fog to be slightly less favorable and potentially turn a bit more patchy. This will need to be updated in upcoming reports. Fog is currently favored to lift by mid AM as winds do look to become slightly more elevated as a whole.

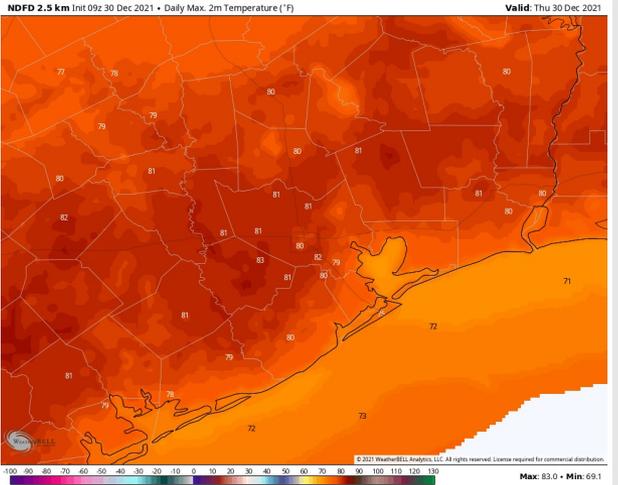
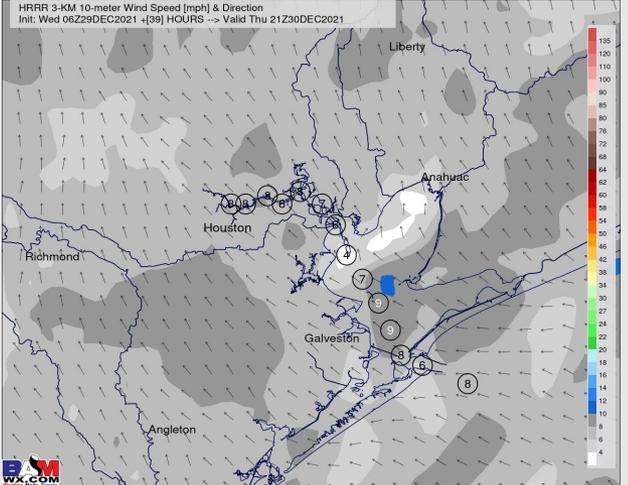
## Forecast Discussion

- Precip:** A 10% chance of a light shower/mist/drizzle in the AM hours, but today is expected to stay predominately dry.
- Wind:** Sustained winds for most of the day look light, 3-8 MPH out of the SE/SSE. Around 4 PM winds look to start picking up at 5-10 MPH sustained at the boarding station.
- Temps:** Highs will top out in the upper 70s to lower 80s.
- Visibility:** Check slides above as we think today will contain several hours of reduced visibility.

## Precip Forecast: 1 PM CT



Wind Speed:  
3 PM CT



High Temps  
Today

# Houston Pilots: *Fri. 12/31/2021*



## Forecast Discussion

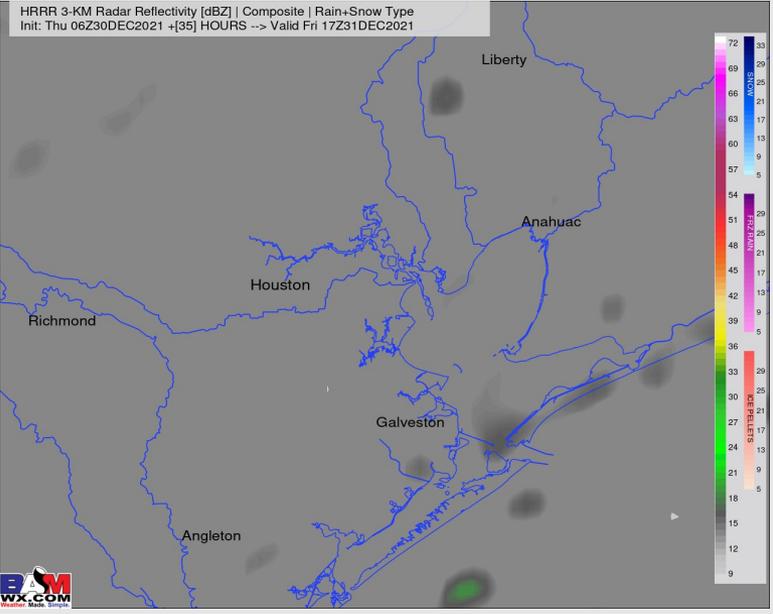
**Precip:** A 10-20% chance of a few isolated showers looks to be possible in the AM to early PM hours of Fri for the northern stations, but most likely do not see precip.

**Wind:** Sustained winds look to be 5-10 MPH out of the S for the early AM. By ~Noon, winds look to pick up to 10-15 MPH sustained with gusts 15-20 MPH possible at the boarding station through sundown. Around ~11 PM, sustained winds look to pick up again around 13-18 MPH with gusts 18-23 MPH possible at the boarding station into the overnight. Winds remain out of the south.

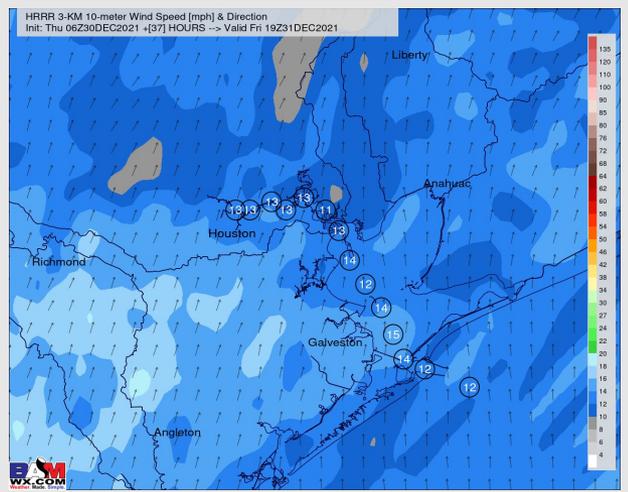
**Temps:** High temps on Fri look to once again be in the upper 70s to low 80s F.

**Visibility:** Check slides above as the fog threat for Friday has increased.

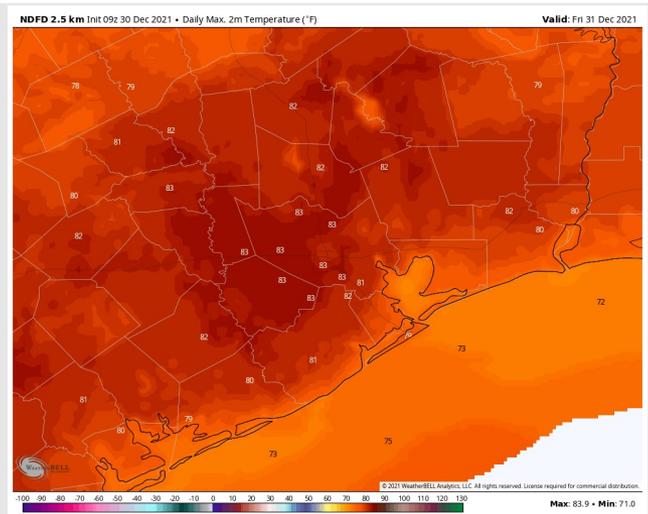
## Precip Forecast: 11 AM CT



Wind Speed  
1 PM CT



High Temps  
Friday



# Houston Pilots: Sat. 1/1/2022

## Forecast Discussion

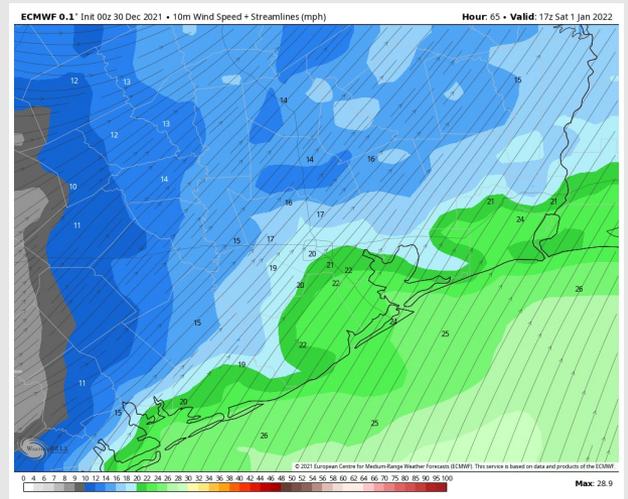
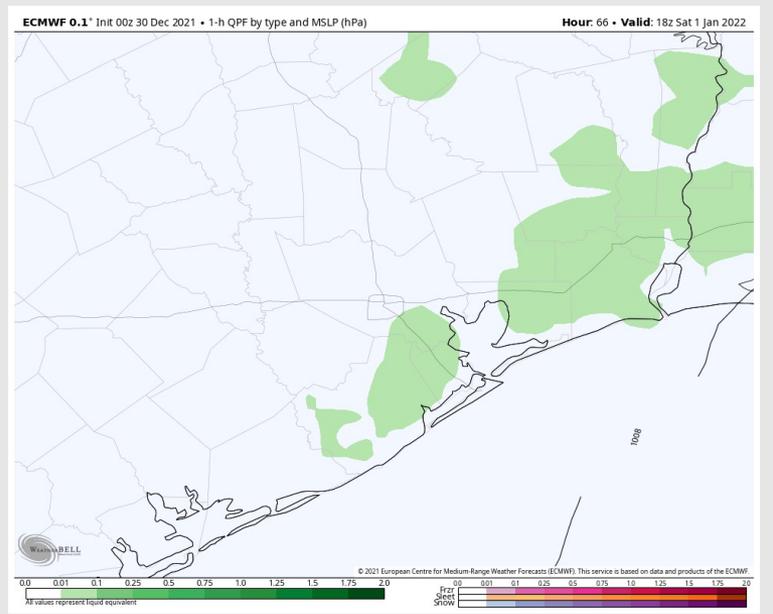
**Precip:** A boundary will work its way into the area that looks to provide the opportunity for some scattered showers late AM – early PM. Totals look to be on the light side.

**Wind:** Winds start out Saturday on the stronger side, sustained 20-25 MPH with gusts 25-30 MPH possible. Its likely not until ~3 PM when winds turn from S to more SW and weaken a touch to 10-15 MPH. The front early Sunday AM will be when the strongest winds arrive.

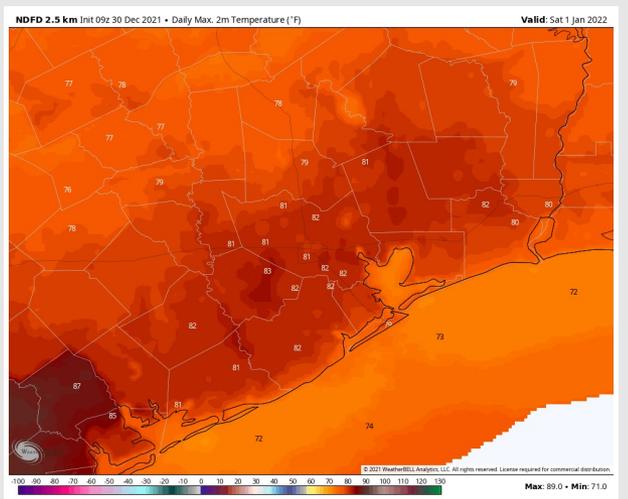
**Temps:** Temps Saturday out ahead of the front will be in the upper 70s to lower 80s.

**Visibility:** No fog is expected Saturday.

## Precip Forecast: 12 PM CT

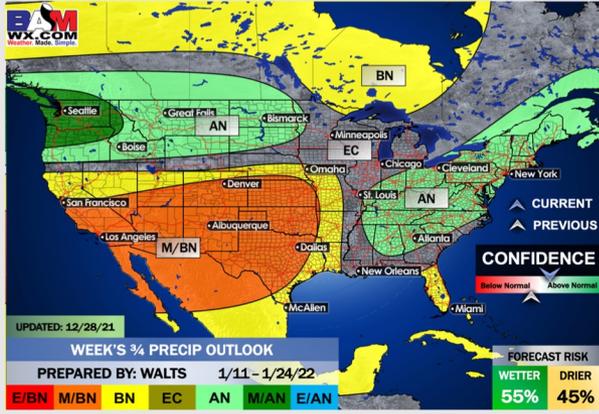
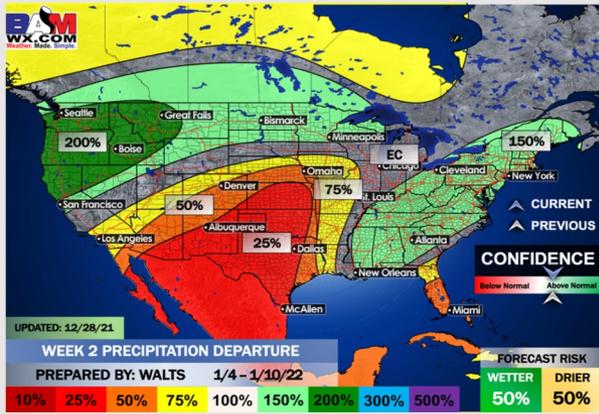
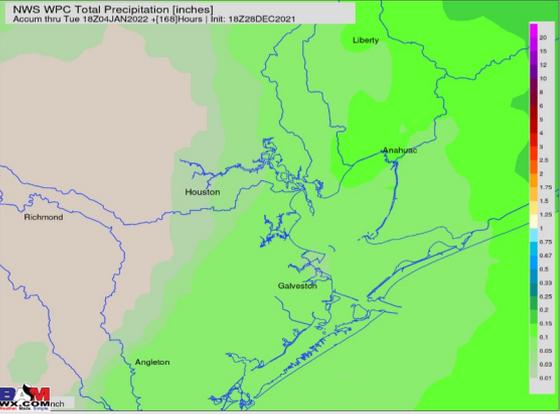
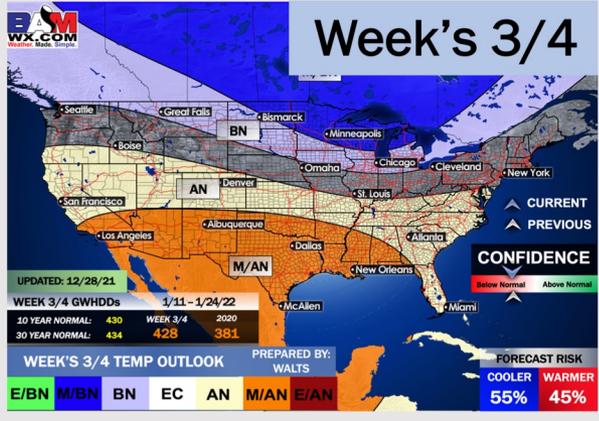
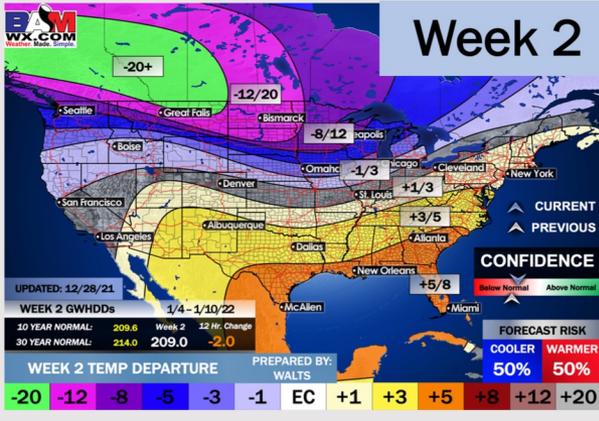
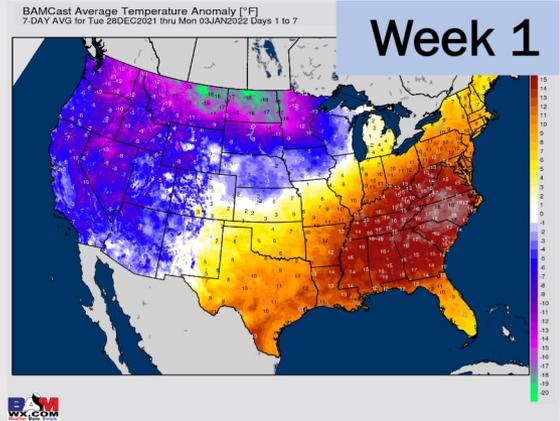


Wind Speed  
11 AM CT



High Temps  
Saturday

# Houston Pilots: 12/28/21



- A few shots at some precip this week including the weekend, however, chances nor totals look impressive. Temps this week average out again above normal.
- The week 2 timeframe is expected to have above normal temperatures and below normal risks for precipitation.
- Right now, we are favoring above normal risks for temperatures and below normal risks for precip for the weeks 3 and 4 timeframe.