

# Houston Pilots Forecast Package



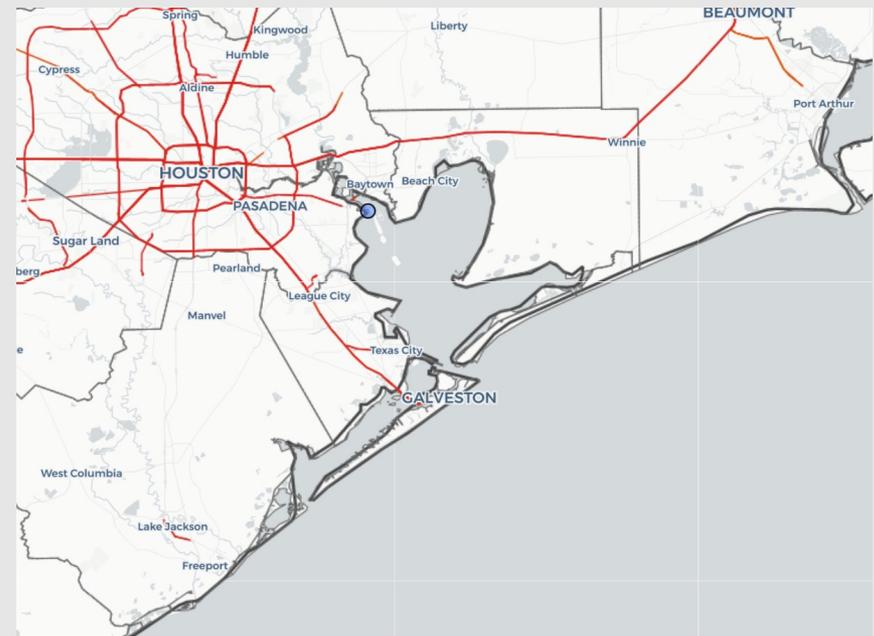
Updated: 5:00 AM CT

Monday, December 13, 2021

Forecaster: Vince Bryan

## Weather Headlines

- Sea fog threat will be on the rise this week starting this evening given a SE wind. Chances likely will be around daily until the weekend with our next front.
- 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	12-13-2021 Mon 3am	12-13-2021 Mon 4am	12-13-2021 Mon 5am	12-13-2021 Mon 6am	12-13-2021 Mon 7am	12-13-2021 Mon 8am	12-13-2021 Mon 9am	12-13-2021 Mon 10am	12-13-2021 Mon 11am	12-13-2021 Mon 12pm	12-13-2021 Mon 1pm	12-13-2021 Mon 2pm	12-13-2021 Mon 3pm	12-13-2021 Mon 4pm	12-13-2021 Mon 5pm	12-13-2021 Mon 6pm	12-13-2021 Mon 7pm	12-13-2021 Mon 8pm	12-13-2021 Mon 9pm	12-13-2021 Mon 10pm	12-13-2021 Mon 11pm	12-14-2021 Tue 12am	12-14-2021 Tue 1am	12-14-2021 Tue 2am	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
Houston Pilots N - 610 Bridge	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.708	7.613	6.906	5.976	5.952	6.603	6.921	5.931	4.897	4.897	3.943	2.909	2.511	0.523	0.284	3.943	5.981	9.033	10.000	10.000	10.000
Houston Pilots M - Kinder 1	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.706	7.611	7.178	6.474	6.251	6.601	6.921	5.931	4.897	4.897	3.943	2.909	2.710	2.485	2.309	4.245	6.479	9.033	10.000	10.000	10.000
Houston Pilots L - Greens Bayou	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.919	7.539	7.145	6.780	6.638	6.885	5.931	4.897	4.897	4.729	3.888	5.009	4.911	4.812	6.323	7.150	9.033	10.000	10.000	10.000
Houston Pilots K - Shell Crude	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.698	7.999	7.999	7.999	7.542	5.964	6.885	5.931	4.897	4.897	5.789	5.789	7.999	7.999	6.543	7.999	8.004	9.033	10.000	10.000	10.000
Houston Pilots J - Lynchburg Ferries	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.999	7.999	7.999	7.999	5.964	6.885	5.931	4.897	4.897	5.789	5.789	7.999	7.999	6.905	7.999	8.004	9.033	10.000	10.000	10.000
Houston Pilots I - Exxon 3	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.999	7.999	7.999	7.999	5.965	6.885	5.931	4.897	4.897	5.789	5.789	7.999	7.999	6.905	7.999	8.004	9.033	10.000	10.000	10.000
Houston Pilots H - Morgans Point	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.924	7.999	7.999	7.999	7.999	7.591	6.885	5.789	4.897	4.897	5.789	5.789	7.999	7.999	7.999	7.999	9.038	9.033	10.000	10.000	10.000
Houston Pilots G - 75/76	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.924	7.999	7.999	7.999	7.999	7.279	6.885	4.897	4.903	4.977	5.789	6.011	7.999	7.999	7.576	7.999	9.038	9.033	10.000	10.000	10.000
Houston Pilots F - 63/64	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.929	7.999	7.999	7.999	7.999	6.561	5.931	4.897	5.503	5.576	6.011	7.999	7.999	7.999	6.905	7.999	9.038	9.033	10.000	10.000	10.000
Houston Pilots E - 51/52	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.890	7.999	7.999	7.999	6.965	5.985	5.931	4.897	6.411	6.590	6.965	7.999	7.999	7.845	6.109	7.999	9.038	9.033	9.617	9.452	10.000
Houston Pilots D - 37/38	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.890	7.999	7.999	7.410	6.318	6.965	6.604	6.243	7.562	7.887	7.999	7.999	7.800	7.720	7.999	8.530	8.946	9.033	9.033	9.033	
Houston Pilots C - 25/26	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.536	6.938	7.999	7.442	6.459	7.999	7.999	7.677	7.677	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	8.004	9.033	9.033	9.033	9.033
Houston Pilots B - 11/12	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.445	6.938	7.999	6.885	6.459	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	8.004	8.283	9.033	9.033	9.033
Houston Pilots A - 1 & 2 Bravo	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.892	9.270	8.903	6.890	6.666	6.784	6.965	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	8.004	7.999	9.033	9.033	9.033	9.033

Given how data has struggled with timing of recent events of fog + data inconsistencies for later today, do not take this chart verbatim. It is likely not seeing the lower visibilities perfectly and think it will trend lower. More details below

# Houston Pilots Extended Range Visibility Report



## Thursday, 12/16/21

If winds are able to calm down in time, the potential for fog is there with the SE flow. Keeping an eye on Thu AM.



## Friday, 12/17/21

Winds seem a little elevated for fog development for Fri AM, however, similar to Thu, keeping an eye on the potential with SE winds. Fog will certainly be possible.



## Saturday, 12/18/21

Keeping an eye on fog potential before a front comes through on Sat AM with light southerly flow. Once the front passes, the fog threat moves out.



## Daily Fog Chance

Thursday AM	Possible
Friday AM	Possible
Saturday AM	Possible

# Houston Pilots: Mon. 12/13/2021



## Forecast Discussion

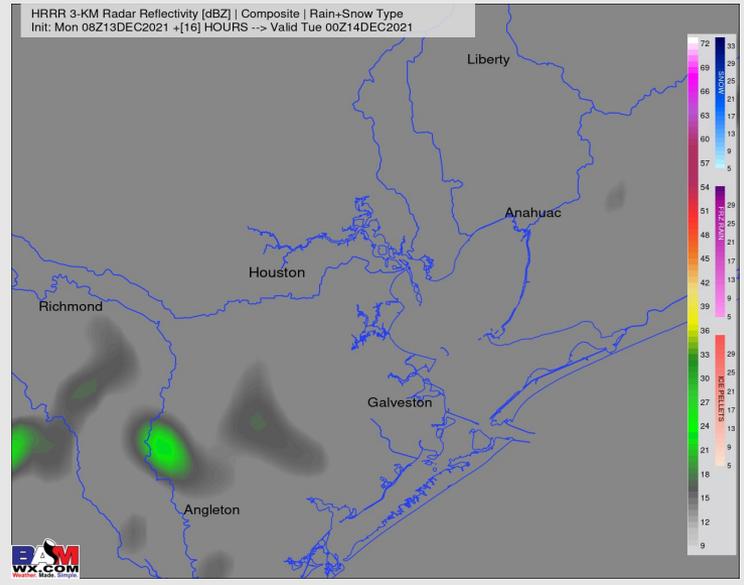
**Precip:** With the return of SE winds, a ~10-20% chance of an isolated shower in the afternoon is possible. Anticipating plenty of dry time, but just cannot completely take out the mention of a very light shower.

**Wind:** Sustained winds look to slowly increase in the AM. 5-10 MPH sustained in the early morning hours with an E/ESE direction favored. 10-15 MPH by the 8-9 AM timeframe and around 15-20 MPH sustained by ~noon at the boarding station. Winds continue 15-20 MPH sustained with gusts 20-25 MPH possible at the boarding station through around midnight, where winds start to taper off. Winds overnight sit 8-13 MPH sustained. Winds turn more SE by midnight as well.

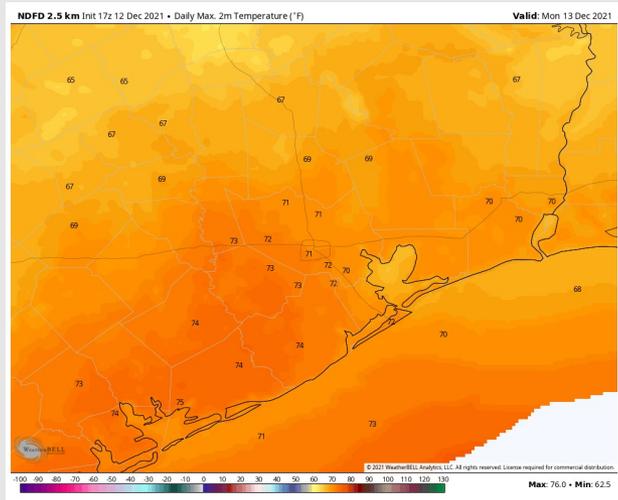
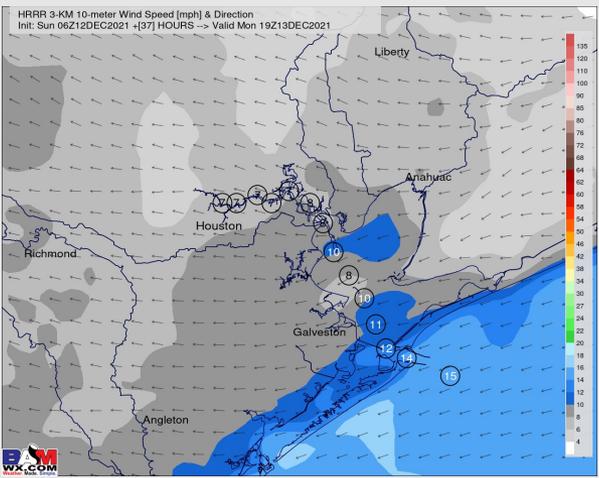
**Temps:** High temps look to sit in the low 70s F.

**Visibility:** Currently not anticipating fog at our stations for this AM, check slide below for fog threat tonight.

## Precip Forecast: 6 PM CT



Wind Speed:  
12 PM CT



High Temps

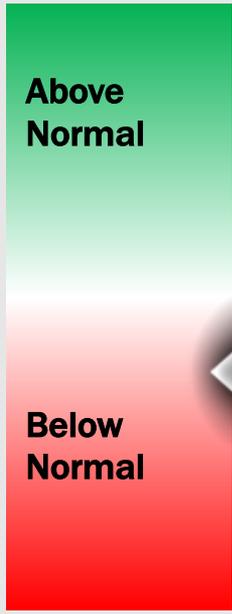
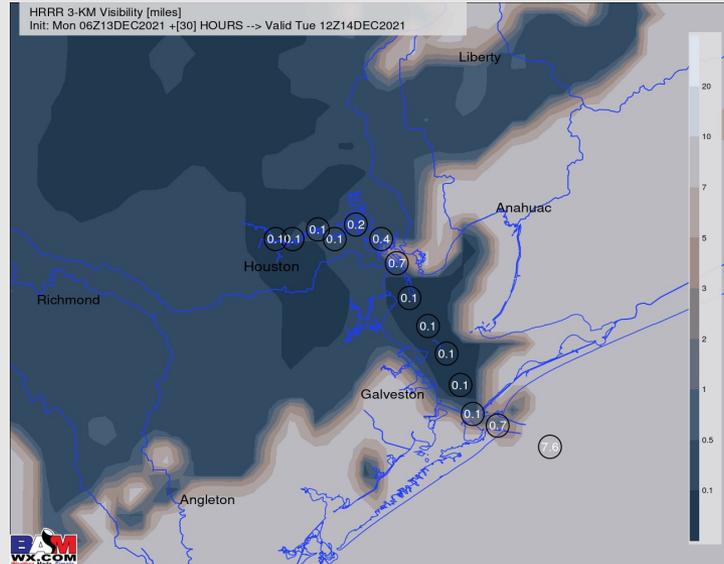
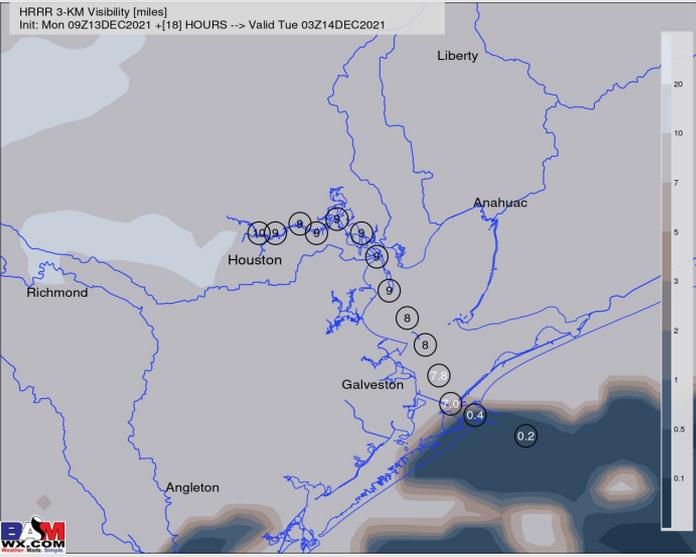
# Houston Pilots Visibility Report



## 9 PM MON Visibility (miles)

## 6 AM CT TUE Visibility (miles)

## Confidence



## Fog Threat

9 PM MON - 11 AM TUE **Medium**

- Another forecast where we have higher confidence that we will see some patchy, dense fog starting tonight through tomorrow (Tuesday) AM, but data ranges wildly regarding atmospheric profiles (and thus when/where this fog forms).
- Until data can get a better handle on the fog potential, confidence on the specifics will remain lower.
- \*Current\* thinking is for the sea fog potential to begin for the boarding station/ Gulf Coast in the 9-11 PM window, with the potential to continue through 10-11 AM on Tuesday (some data does have this lingering deeper into the day for the boarding station).
- All locations South of Morgan's Point will run the risk of seeing periods of sea fog with the highest threats coming South of 37/38.
- Details will no doubt need to be refined with afternoon and evening updates.

## Forecast Discussion

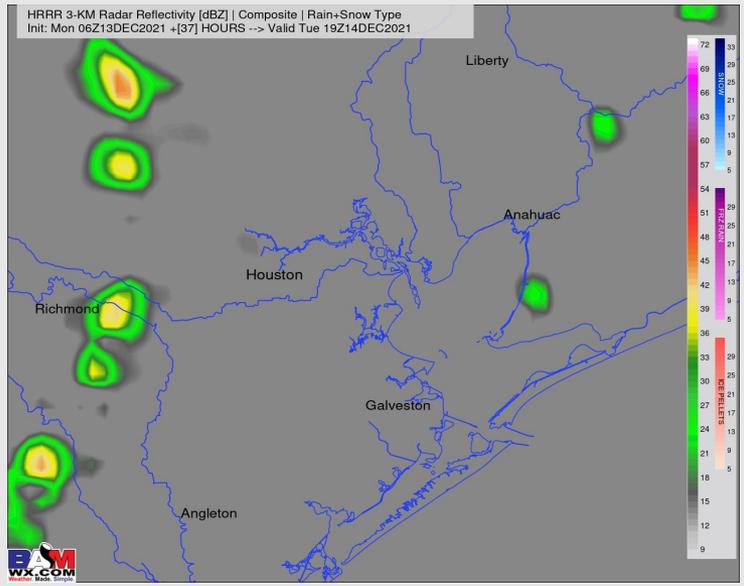
**Precip:** Similar to today, a 10-20% chance of an isolated shower from the late AM hours through the afternoon on Tue. Anticipating more dry time than not for our stations and any precip would be quite light.

**Wind:** Sustained winds look to be 8-13 MPH out of the SE with gusts 13-18 for most of the day at the boarding station.

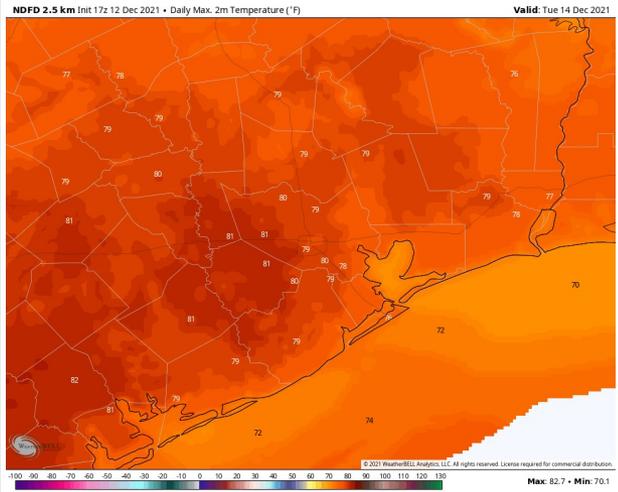
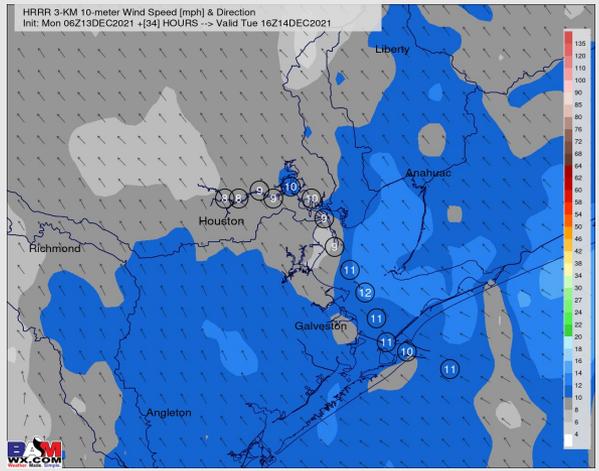
**Temps:** High temperatures are favored to sit in the mid to upper 70s F.

**Visibility:** Keeping an eye on Tue for fog- refer to slide above for more.

## Precip Forecast: 1 PM CT



Wind Speed  
12 PM CT

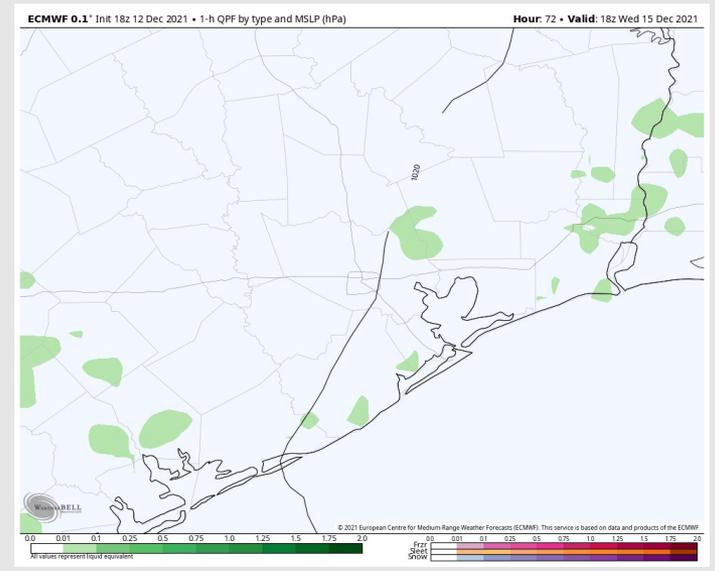


High Temps  
Tuesday

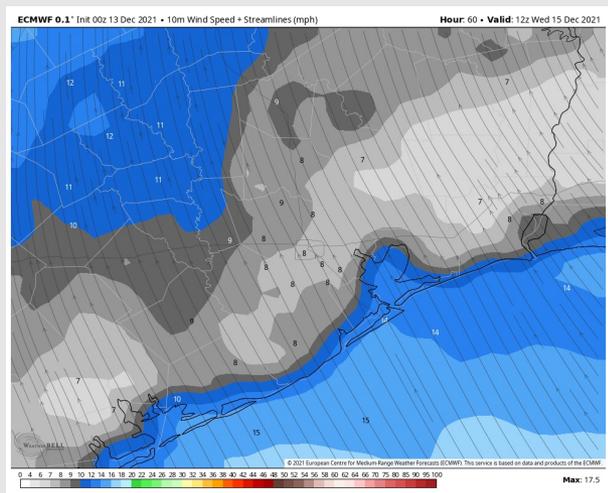
## Forecast Discussion

- Precip:** At most a ~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.
- Temps:** High temperatures on Wed look to be in the upper 70s to low 80s F.
- Visibility:** We believe Tuesday night into Wed AM will offer another shot at fog. Given how poorly data continues to handle the specifics of fog even just 6-12+ hours out, it is very hard at this distance to have any confidence regarding exact details. Check back in future reports for more details.

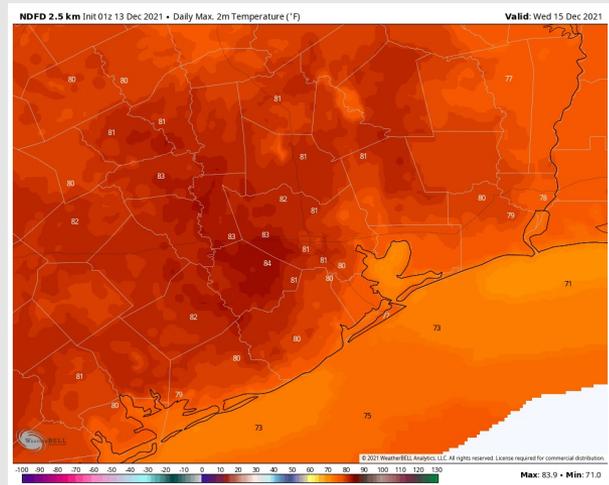
## Precip Forecast: 12 PM CT



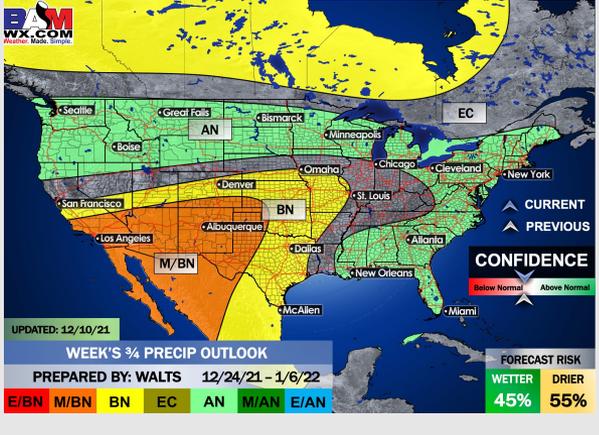
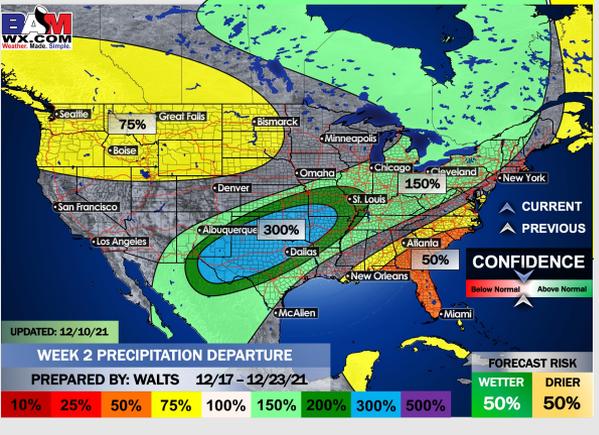
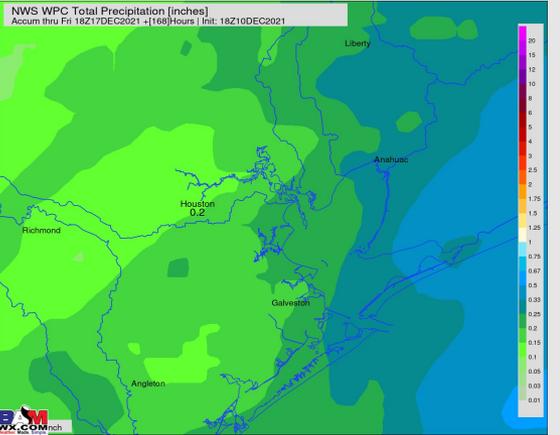
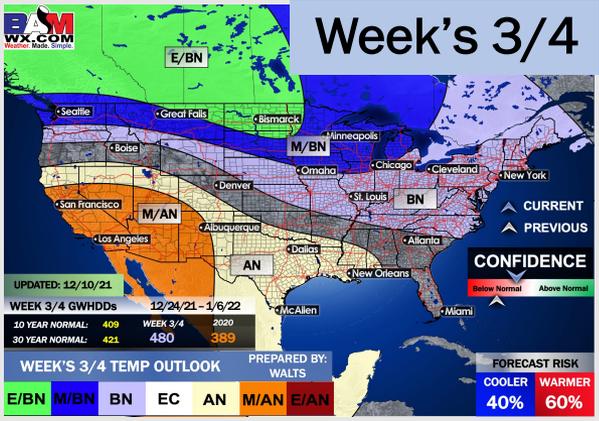
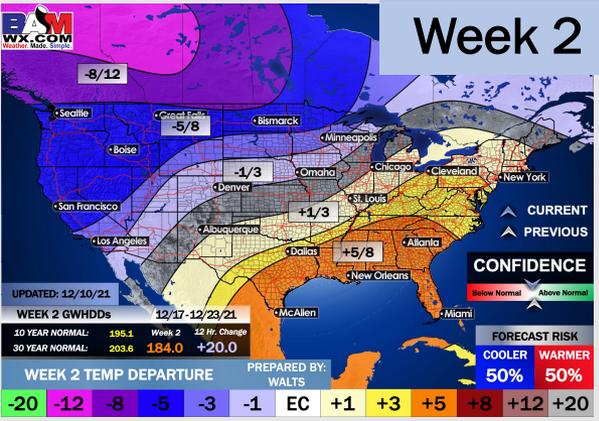
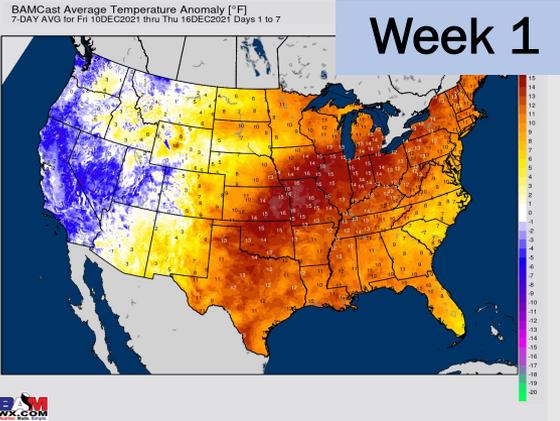
Wind Speed  
6 AM CT



High Temps  
Wednesday



# Houston Pilots: 12/13/21



- 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 above 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.