

Houston Pilots Forecast Package



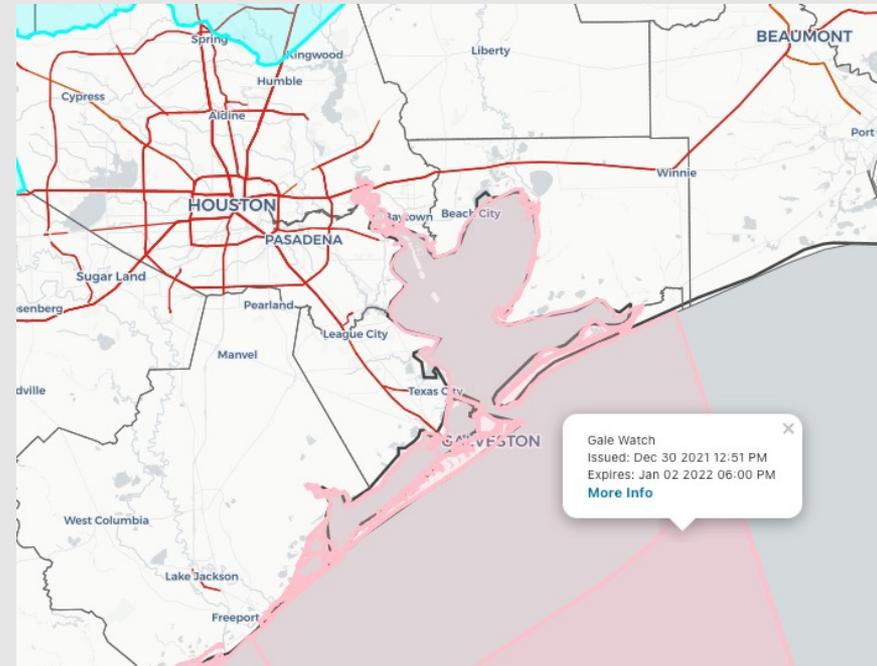
Updated: 2:00 PM CT

Thursday, December 30, 2021

Forecaster: Vince Bryan

Weather Headlines

- Continuing to see a strong signal for fog into tomorrow AM for our stations.
- 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.
- Low end, light shower chances the next few days will be possible, but no notable, heavy precip is favored for the next several days.



Radar/ NWS Alerts: 2:00 PM 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 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	12-31-2021 Fri 3pm	12-31-2021 Fri 4pm	12-31-2021 Fri 5pm	12-31-2021 Fri 6pm	12-31-2021 Fri 7pm	12-31-2021 Fri 8pm	12-31-2021 Fri 9pm	12-31-2021 Fri 10pm	12-31-2021 Fri 11pm			
Houston Pilots N - 610 Bridge	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.935	5.960	4.902	3.948	3.948	3.948	3.948	2.988	2.988	2.988	1.815	1.606	3.897	6.096	6.964	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.964	5.514	4.931	3.897		
Houston Pilots M - Kinder 1	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.935	5.965	4.902	3.948	3.948	3.948	3.948	3.736	4.206	3.854	2.636	2.460	5.169	6.096	7.462	9.781	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.462	5.996	5.996	5.233		
Houston Pilots L - Greens Bayou	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.923	5.960	4.902	3.948	3.948	3.948	3.948	4.191	5.503	5.361	4.983	4.884	6.467	7.192	8.017	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.133	7.312	7.312	6.885		
Houston Pilots K - Shell Crude	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.919	5.965	4.902	3.948	3.948	3.948	3.948	4.191	6.328	6.328	7.811	7.811	8.033	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988		
Houston Pilots J - Lynchburg Ferries	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.890	5.936	4.902	3.948	3.948	3.948	3.948	4.191	6.328	6.328	7.811	7.811	8.033	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988		
Houston Pilots I - Exxon 3	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.890	5.936	4.902	3.948	3.948	2.914	3.948	4.191	6.328	6.328	7.811	7.811	8.033	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988		
Houston Pilots H - Morgans Point	8.999	9.038	10.000	10.000	9.289	10.000	10.000	10.000	9.038	6.890	5.936	4.902	3.948	3.948	2.914	3.134	4.789	6.328	6.328	7.811	7.811	8.033	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988		
Houston Pilots G - 75/76	8.999	9.038	10.000	10.000	9.038	10.000	10.000	10.000	9.038	6.890	5.936	4.902	3.948	3.948	2.914	3.134	4.789	6.328	6.328	7.811	7.811	8.033	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988		
Houston Pilots F - 63/64	8.999	9.038	10.000	10.000	10.000	9.352	9.038	10.000	9.038	6.890	5.578	4.902	3.948	3.948	2.914	2.914	4.789	6.328	6.328	7.811	7.811	8.033	8.988	8.988	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.383	8.988	8.988	8.988	8.988		
Houston Pilots E - 51/52	6.931	7.924	9.038	10.000	10.000	9.038	9.038	10.000	7.924	6.623	4.902	4.902	3.948	2.914	2.914	2.802	4.789	5.760	6.155	7.811	7.811	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	9.081	8.988	8.988	8.988	8.988	8.988	8.988		
Houston Pilots D - 37/38	6.931	7.924	9.038	10.000	9.038	9.038	9.038	10.000	7.924	5.936	4.902	4.902	3.726	2.782	2.726	3.948	5.859	6.479	7.831	7.444	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	
Houston Pilots C - 25/26	6.978	7.836	9.038	10.000	9.038	9.038	6.477	2.039	7.753	5.936	5.936	3.948	2.914	2.914	2.914	3.948	7.712	8.033	8.033	8.033	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	
Houston Pilots B - 11/12	6.978	6.938	9.038	10.000	9.038	9.038	2.039	2.039	5.936	5.936	5.936	3.948	3.632	2.914	2.914	3.948	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.664	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.033	8.988	8.988
Houston Pilots A - 1 & 2 Bravo	2.712	1.641	0.911	0.766	1.084	1.641	1.641	3.948	4.902	6.890	5.936	2.039	4.632	2.914	2.914	3.948	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.988	8.988	8.988	8.988	8.988	8.988	8.988	8.261	8.033	8.033	8.988	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

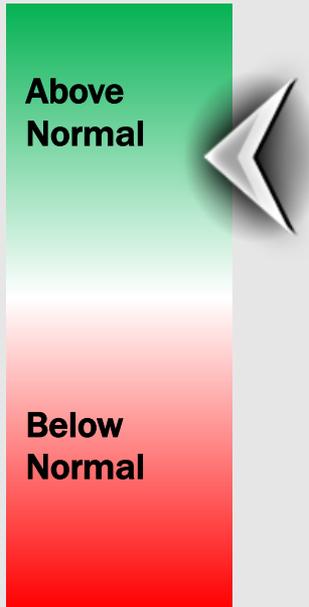
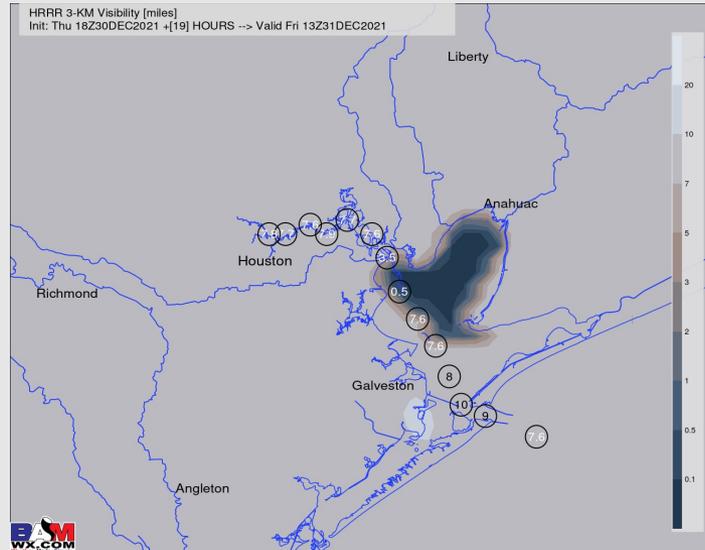
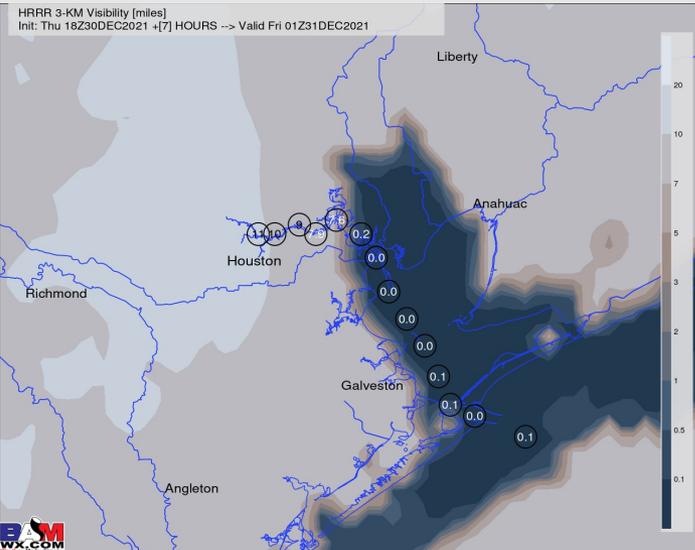
Sunday AM	Unlikely
Monday AM	Unlikely
Tuesday AM	Possible

Houston Pilots Visibility Report



8 PM CT THU Visibility (miles) 7 AM CT FRI Visibility (miles)

Confidence



Fog Threat
5 PM THU – 9 AM FRI **High**

- We think the lower visibilities in spots can continue for the rest of the afternoon hours.
- Continuing to watch for later this afternoon/evening for any current reduced visibility (< 3-5 miles) to turn from lower clouds/haze to more patchy fog. This would likely first start to occur at the boarding station and then bleed into the Galveston Bay. This likely would start around the 5-7 PM window. Beyond this, we think fog can slowly expand and turn more dense. Visibilities of less than 0.5 miles will be possible in the most dense fog
- Current thinking is that near ~12 - 2 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 in nature. Fog is currently favored to slowly lift at the boarding station by ~4-6 AM, and ~8-9 AM for stations closer to Morgan's Point as winds do look to become slightly more elevated as a whole.

Houston Pilots: Thu. 12/30/2021



Forecast Discussion

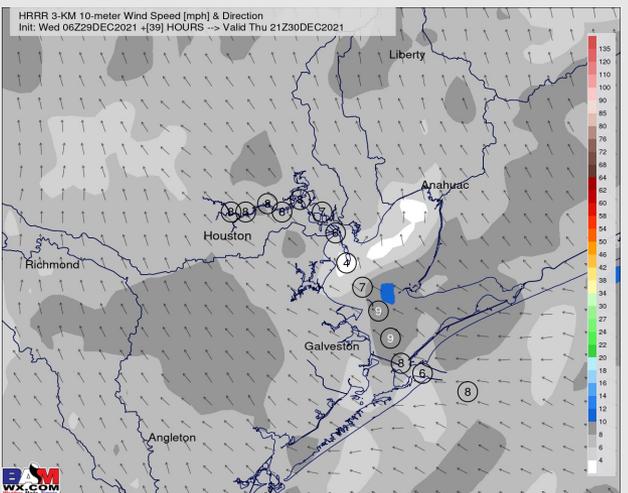
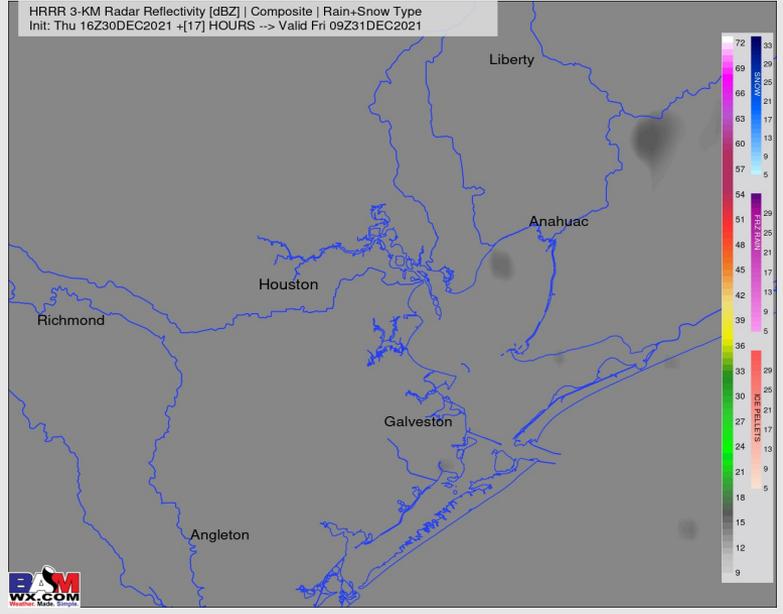
Precip: Aside from a mist thanks to some lower clouds around the area, the afternoon should be precip free.

Wind: Winds will be out of the S for the rest of the day with winds 5-10 MPH for most stations.

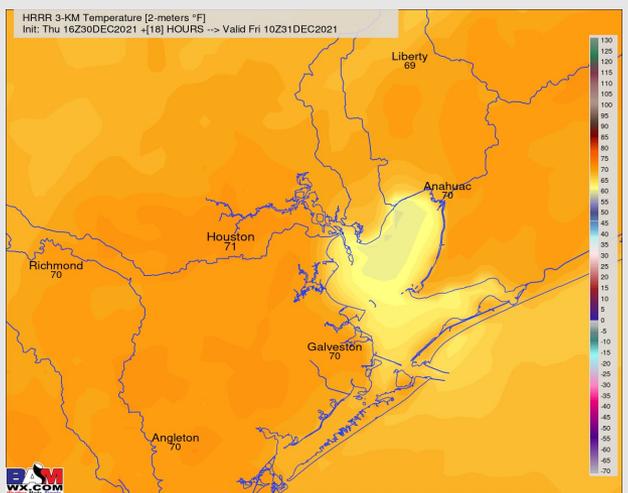
Temps: Lows drop back near 70F.

Visibility: Check slides above as another round of fog will be possible tonight.

Precip Forecast: 1 AM FRI CT



**Wind Speed:
9 PM CT**



**Low Temps
This Evening**

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



Forecast Discussion

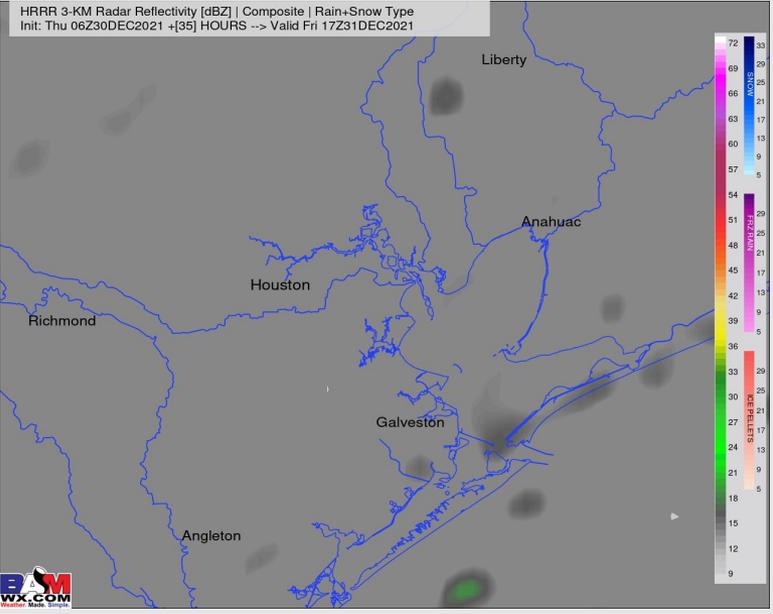
Precip: A 10-20% chance of a few isolated showers looks to be possible in the AM to early PM hours of Fri for the northern stations, but most likely do not see precip.

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 ~10 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.

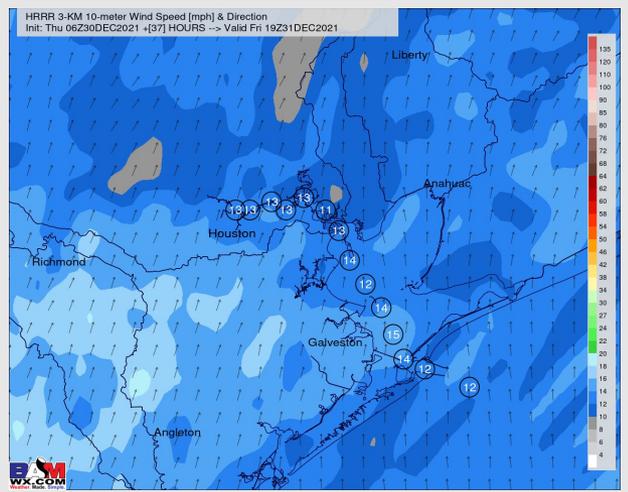
Temps: High temps on Fri look to once again be in the upper 70s to low 80s F.

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

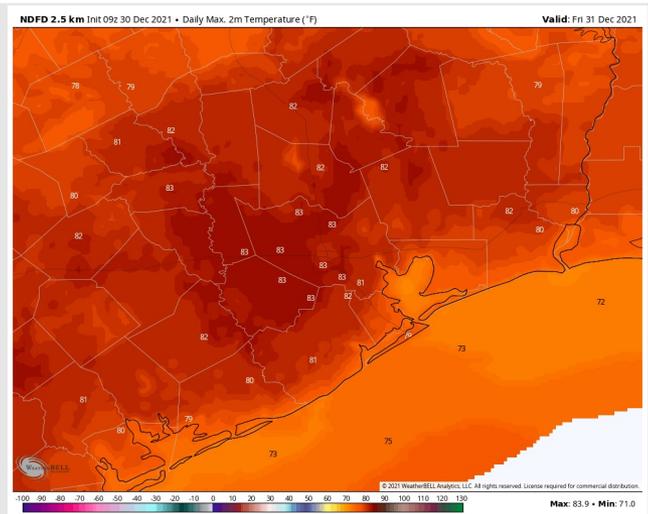
Precip Forecast: 11 AM CT



Wind Speed
1 PM CT



High Temps
Friday



Houston Pilots: Sat. 1/1/2022



Forecast Discussion

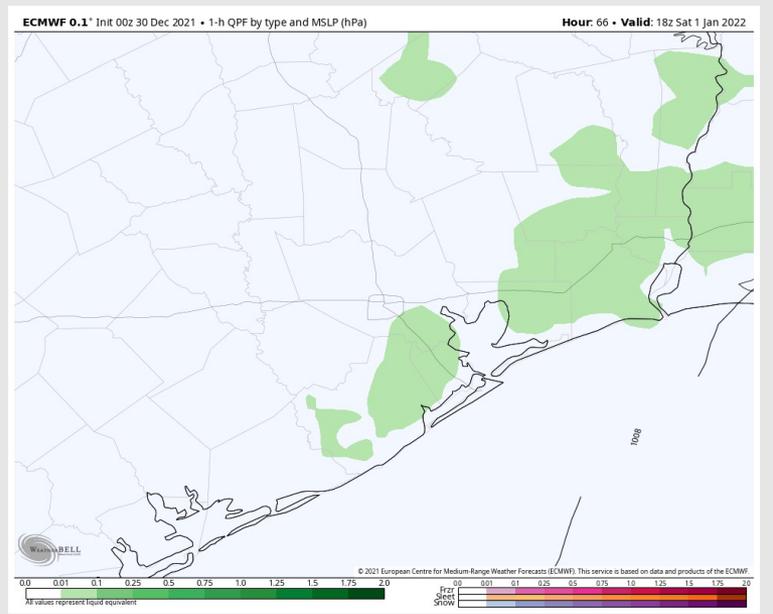
Precip: A boundary will work its way into the area that looks to provide the opportunity for some scattered showers late AM – early PM. Totals look to be on the light side.

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.

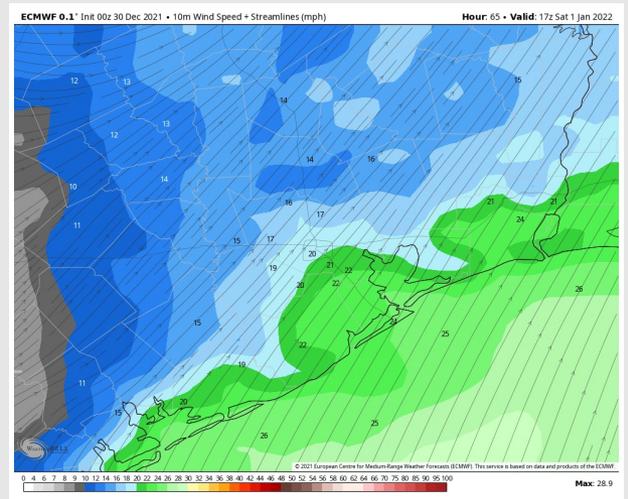
Temps: Temps Saturday out ahead of the front will be in the upper 70s to lower 80s.

Visibility: No fog is expected Saturday.

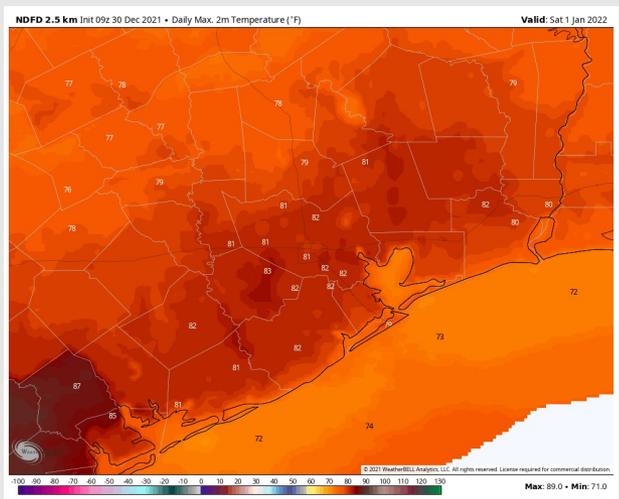
Precip Forecast: 12 PM CT



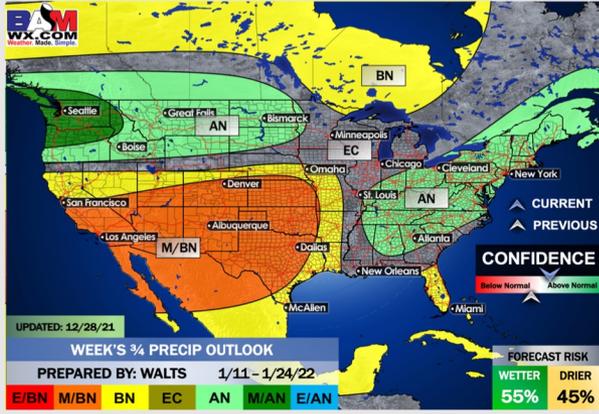
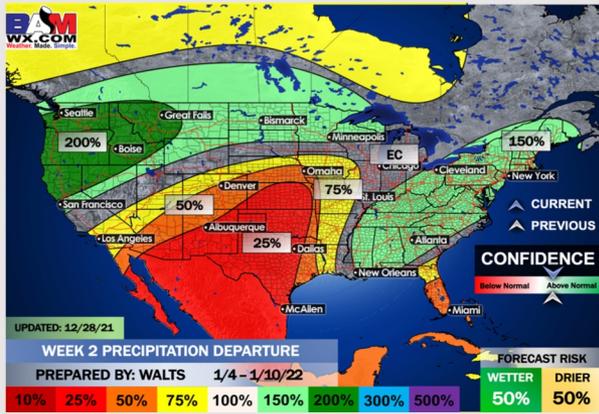
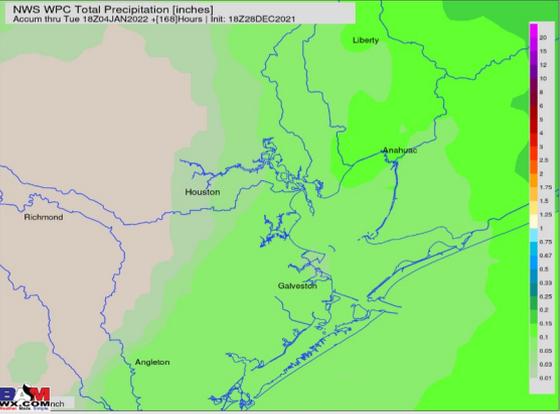
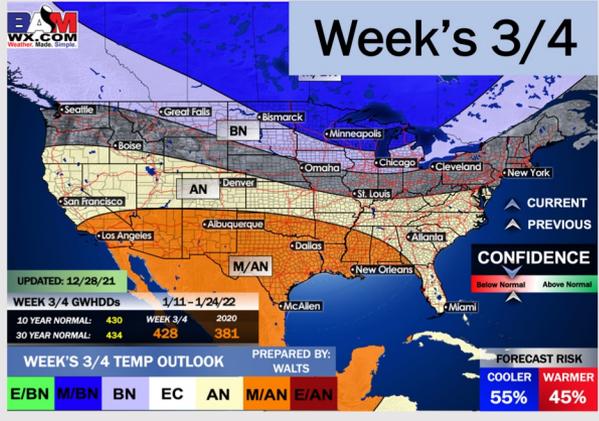
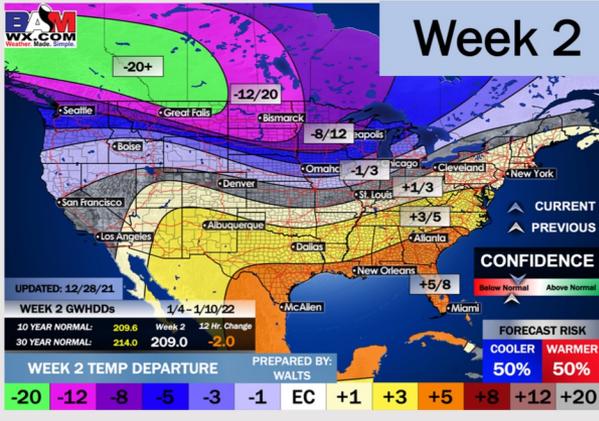
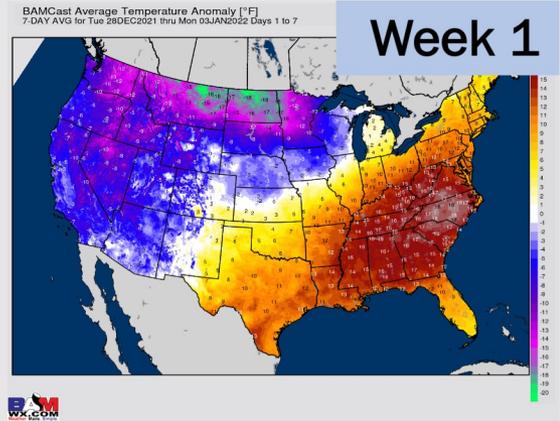
Wind Speed
11 AM CT



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.