

Houston Pilots Forecast Package



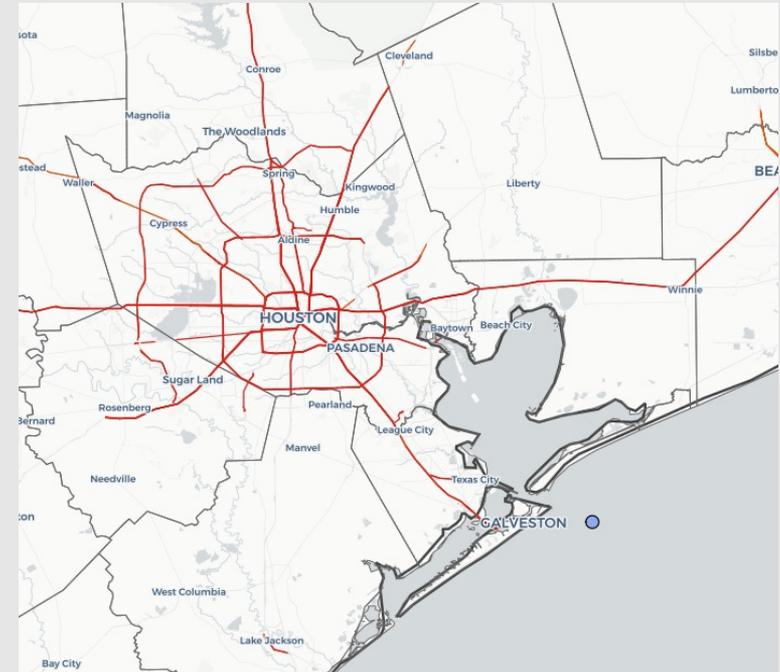
Updated: 3:00 PM CT

Wednesday, December 1, 2021

Forecaster: Vince Bryan

Weather Headlines

- Anticipating overall dry conditions this work week with next possible shot for precip coming early next week.
- Daily fog chances will continue. Friday may be a day where the fog threat is not as high.
- Winds look to generally be on the quieter side the next several days.



Radar/ NWS Alerts: 3:00 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	12-01-2021 Wed 2pm	12-01-2021 Wed 3pm	12-01-2021 Wed 4pm	12-01-2021 Wed 5pm	12-01-2021 Wed 6pm	12-01-2021 Wed 7pm	12-01-2021 Wed 8pm	12-01-2021 Wed 9pm	12-01-2021 Wed 10pm	12-01-2021 Wed 11pm	12-02-2021 Thu 12am	12-02-2021 Thu 1am	12-02-2021 Thu 2am	12-02-2021 Thu 3am	12-02-2021 Thu 4am	12-02-2021 Thu 5am	12-02-2021 Thu 6am	12-02-2021 Thu 7am	12-02-2021 Thu 8am	12-02-2021 Thu 9am	12-02-2021 Thu 10am	12-02-2021 Thu 11am	12-02-2021 Thu 12pm	12-02-2021 Thu 1pm	12-02-2021 Thu 2pm	12-02-2021 Thu 3pm	12-02-2021 Thu 4pm	12-02-2021 Thu 5pm	12-02-2021 Thu 6pm	12-02-2021 Thu 7pm	12-02-2021 Thu 8pm	12-02-2021 Thu 9pm	12-02-2021 Thu 10pm	12-02-2021 Thu 11pm	12-03-2021 Fri 12am	12-03-2021 Fri 1am	
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	9.038	5.930	3.897	3.897	0.373	0.239	0.239	0.239	0.159	0.775	6.964	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.641	6.964	5.491	4.504	0.477	0.239
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	9.038	5.930	3.897	3.897	0.373	0.239	0.239	0.239	0.159	0.871	6.964	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	7.212	5.745	3.897	1.742	0.301	
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	9.038	5.918	3.897	2.945	0.336	0.239	0.239	0.239	0.159	0.775	6.944	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	7.573	6.752	4.912	3.146	0.337	
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	9.004	5.888	3.897	2.945	0.246	0.239	0.239	0.239	0.159	0.871	6.922	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.033	8.033	6.328	3.653	0.337	
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	6.890	5.107	3.897	0.954	0.239	0.239	0.239	0.239	0.159	0.477	5.886	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.033	8.033	6.410	3.653	0.337	
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	6.890	4.931	3.897	0.716	0.239	0.239	0.239	0.239	0.159	0.578	4.931	7.954	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	8.033	6.410	3.653	0.337
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	6.890	4.931	3.897	0.716	0.239	0.239	0.239	0.239	0.159	3.881	6.740	7.954	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	8.033	6.410	3.653	0.337
Houston Pilots G - 75/76	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.602	6.890	4.931	3.897	0.716	0.239	0.239	0.239	0.239	0.159	3.768	7.707	7.954	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	8.033	6.410	3.653	0.239
Houston Pilots F - 63/64	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	6.890	4.931	0.716	0.239	0.239	0.239	0.239	0.239	0.159	4.616	8.033	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	8.033	6.410	3.653	0.239
Houston Pilots E - 51/52	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.668	6.890	4.642	0.582	0.239	0.239	0.239	0.239	0.239	0.159	4.321	7.851	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	8.033	4.857	2.145	0.239
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	6.443	0.808	0.393	0.393	0.239	0.239	0.239	0.239	0.159	3.534	6.491	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.461	3.897	0.863	0.491
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	6.913	5.588	2.838	0.716	0.239	0.239	0.239	0.239	0.236	1.889	5.965	8.631	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	5.965	3.897	2.193	2.867
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	6.913	5.886	3.897	0.716	0.239	0.405	0.239	0.239	0.236	1.889	5.853	8.481	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	4.931	3.897	3.525	4.840
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	6.890	5.886	3.897	3.897	0.716	2.943	0.179	0.219	0.159	0.767	3.814	6.564	8.489	9.585	9.822	9.822	9.822	9.583	9.583	9.583	8.033	8.033	3.755	3.415	5.695	8.033	

Current thinking is that model data is too aggressive with fog for stations South of 63/64, but the fact that most data shows fog for all stations is certainly a risk that needs monitored with evening updates.

Houston Pilots Extended Range Visibility Report



Saturday, 12/3/21

Currently not anticipating fog for our stations on Sat, however, light winds from the south could aid in the development of fog.



Sunday, 12/4/21

Currently not anticipating fog for our stations on Sun, however, data suggests fog N of our stations and light winds out of the south would aid in fog development



Monday, 12/5/21

Currently not anticipating fog for our stations on Mon, expecting precip in the AM and winds from the north.



Daily Fog Chance

Saturday AM	Possible
Sunday AM	Possible
Monday AM	Unlikely

Houston Pilots: Wed. 12/1/2021



Forecast Discussion

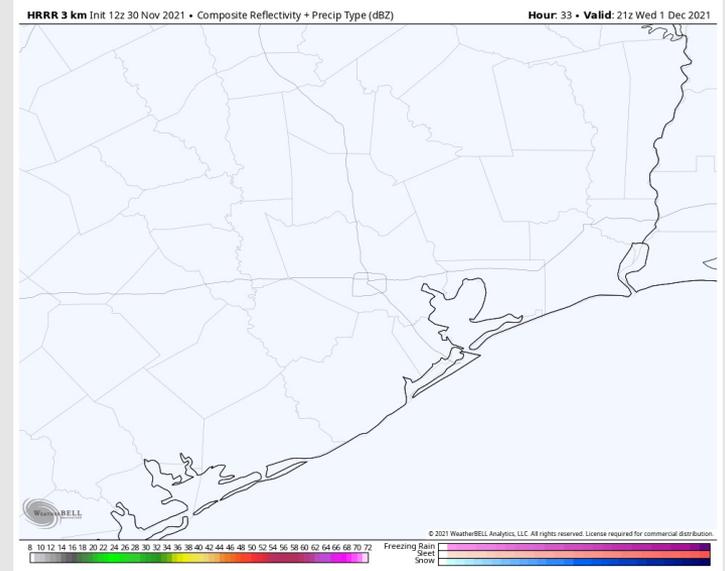
Precip: Rest of the day is favored to stay dry.

Wind: Winds will continue coming out of the S at 3-8 MPH with an occasional gust to 10 MPH at the station.

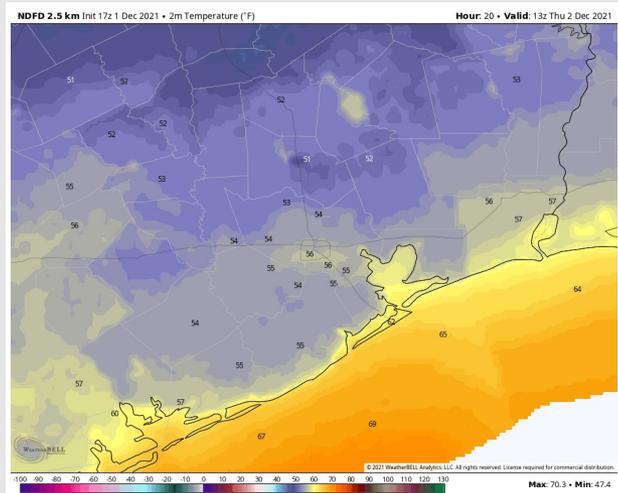
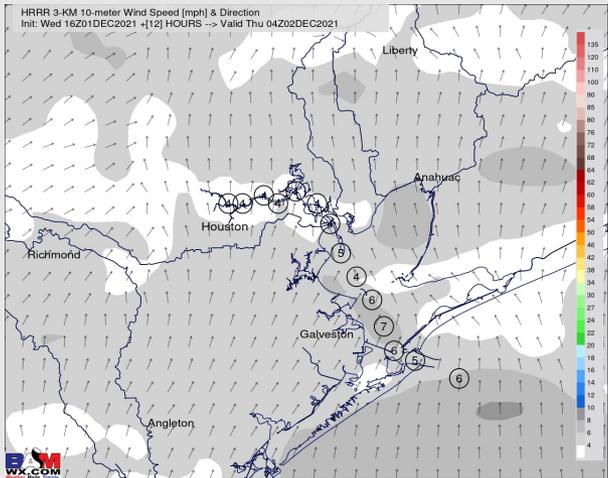
Temps: Lows drop back into the upper 50s for most stations, closer to 60 for the boarding station.

Visibility: No fog is expected through midnight.

Precip Forecast: 3 PM CT



Wind Speed: 10 PM CT



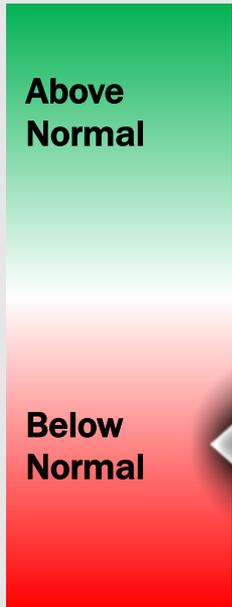
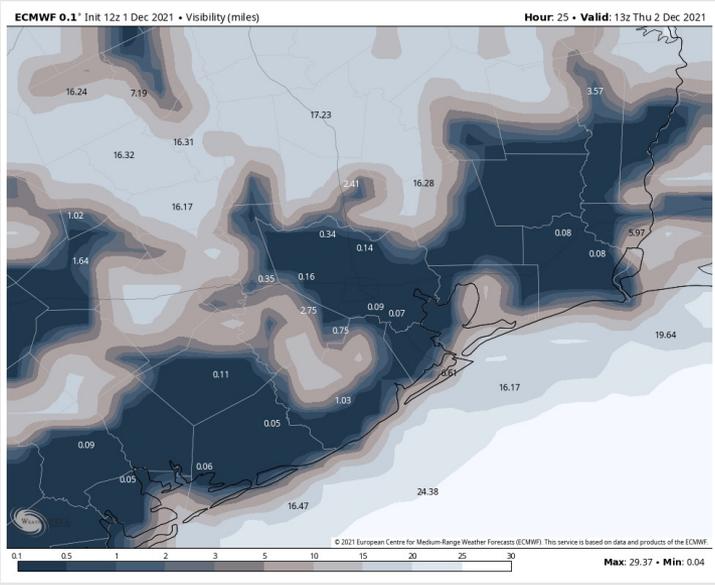
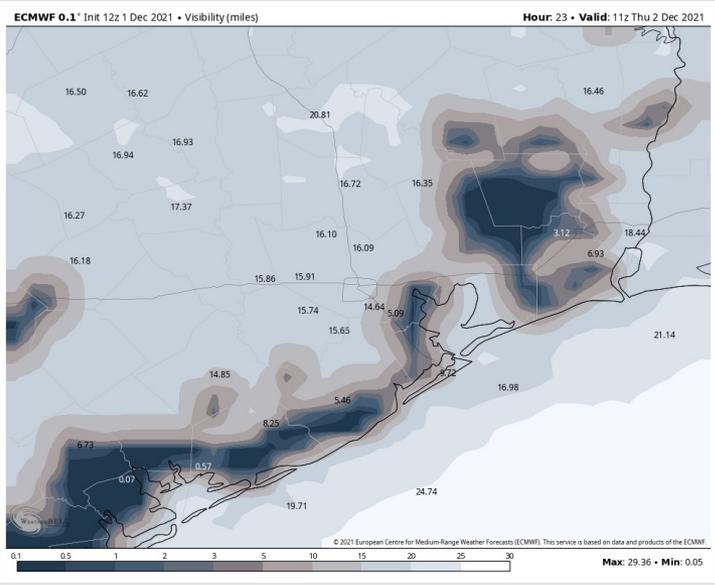
Low Temps

Houston Pilots Visibility Report



4 AM CT THU Visibility (miles) 7 AM CT THU Visibility (miles)

Confidence



Fog Threat

3 AM – 9 AM WED **Medium**

- Similar to our AM report, confidence is higher than normal on fog showing up for Thursday AM, however the below normal confidence exists on how widespread the coverage will be.
- Most data has fog chances for all stations (as shown on the 36 hr. chart) beginning around 3 AM and lasting out through 9 AM, however we are a bit cautious of fog chances for stations south of 63/64 as data is struggling some with the current conditions.
- Our current call will be for fog potential to start in the 2-3 AM window and last through 9 AM before lifting for stations N of 63/64. Data is slightly more aggressive than previous morning's so there could be a few more instances of dense fog in these areas.
- We are going to lean against fog development for stations S of 63/64, but want to make very clear the mention that this part of the forecast runs the most risk of being changed in future updates this evening to include fog.

Forecast Discussion

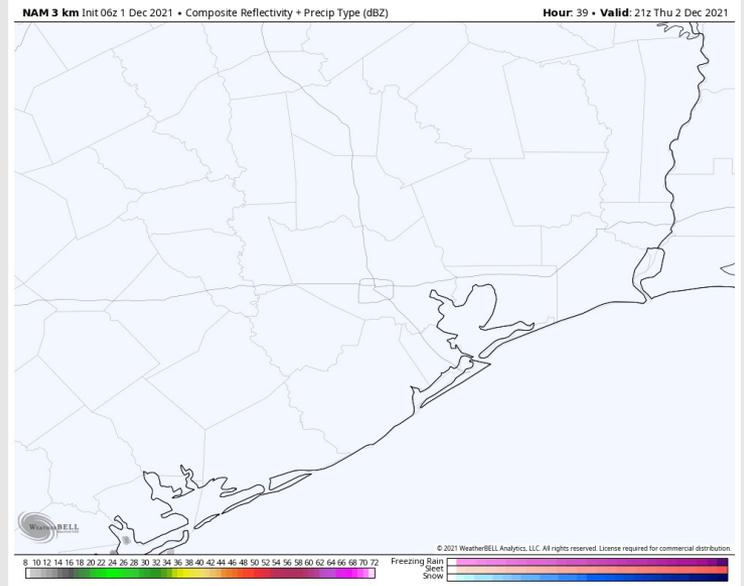
Precip: Dry conditions anticipated to continue Thursday for our stations.

Wind: Sustained winds 3-8 MPH look to continue at the boarding station for most of the day, closer to 5-10 MPH after ~sundown and beyond. Winds look to be mainly out of the NW in the AM, switching to a more southerly flow after 4 PM.

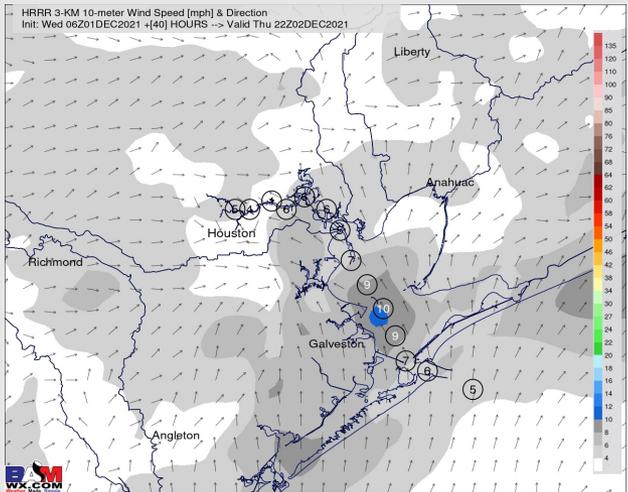
Temps: High temperatures Thursday look to also be in the low to mid 70s F.

Visibility: Latest thoughts on fog on the slide above.

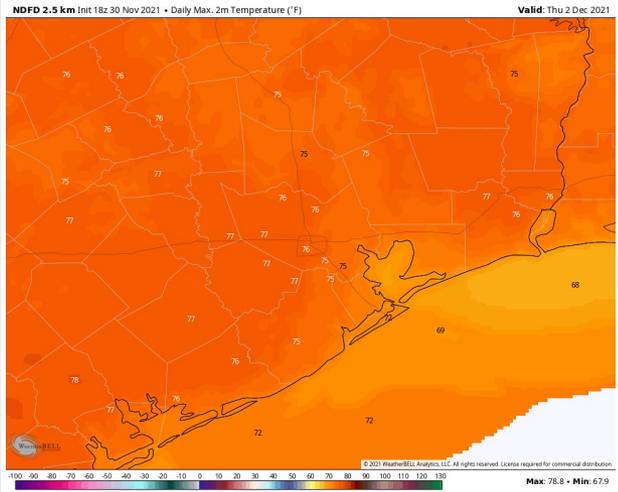
Visibility Forecast: 3 PM CT



Wind Speed 4 PM CT



High Temps Thursday



Houston Pilots: *Fri. 12/3/2021*



Forecast Discussion

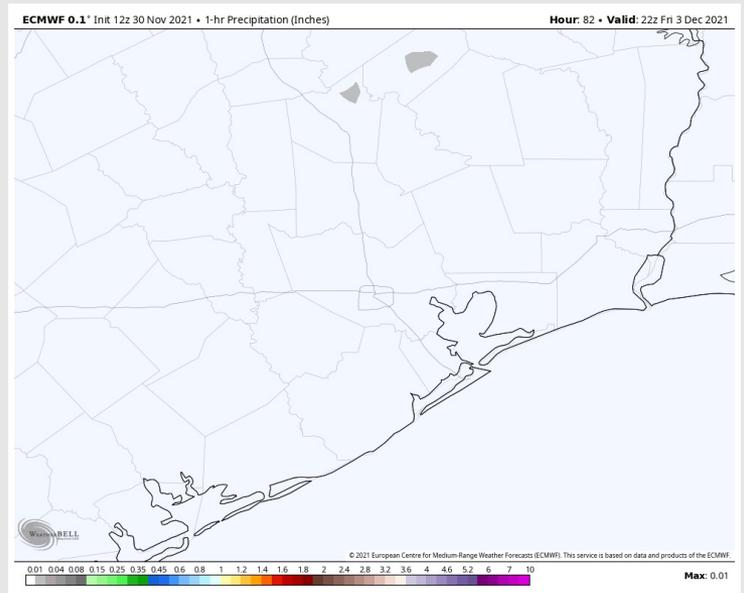
Precip: Anticipating dry conditions to continue for our stations on Friday.

Wind: Sustained winds look to be 5-10 MPH at the boarding station with gusts 10-15 MPH. Winds look to remain generally out of the south on Friday.

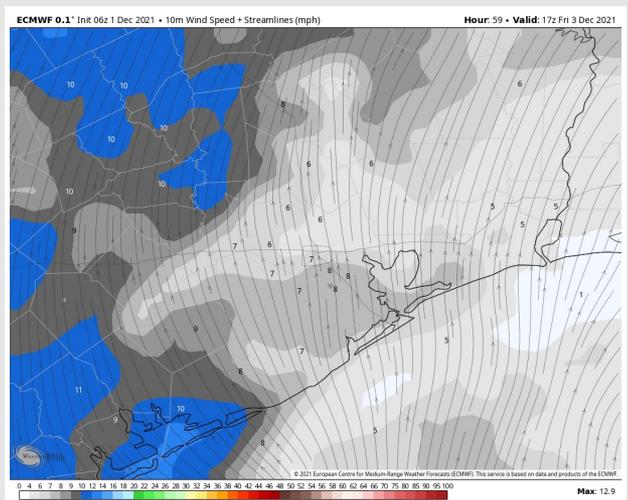
Temps: High temperatures on Friday look to be in the low to mid 70s F.

Visibility: Keeping an eye of potential fog Fri AM, currently data suggests fog stays to the N and E of our stations.

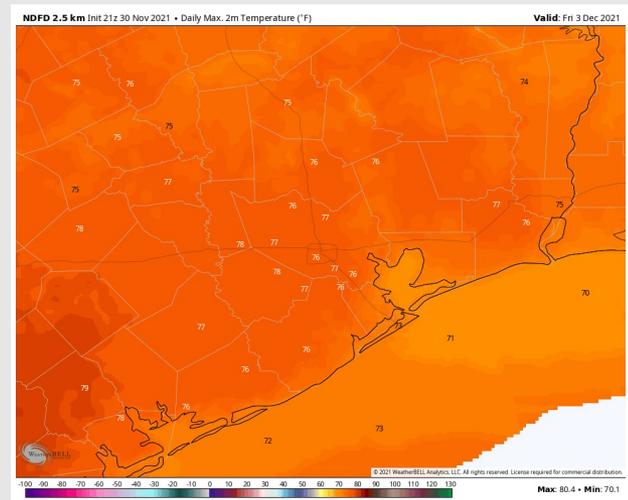
Precip Forecast: 4 PM CT



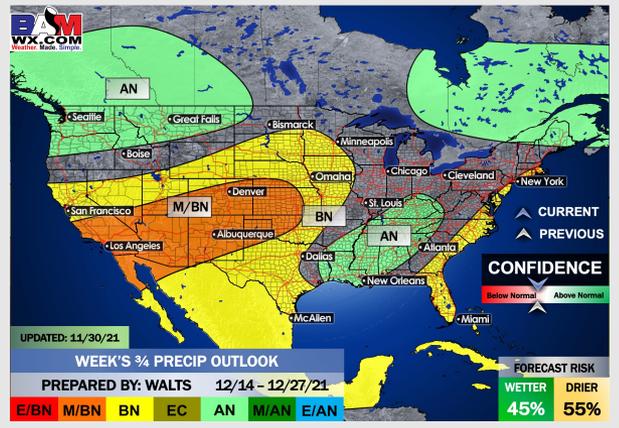
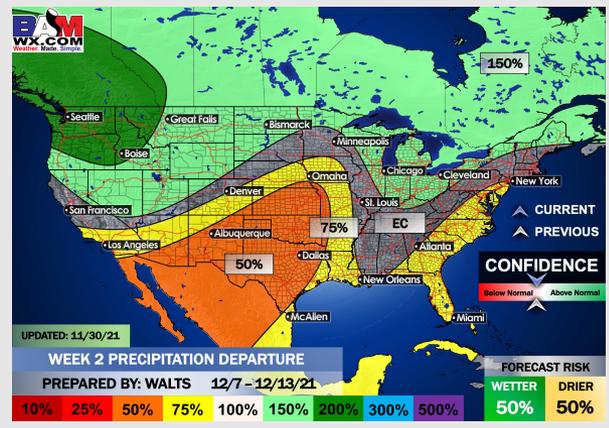
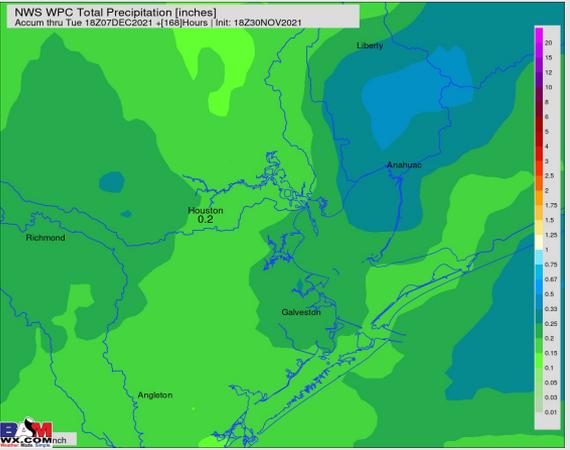
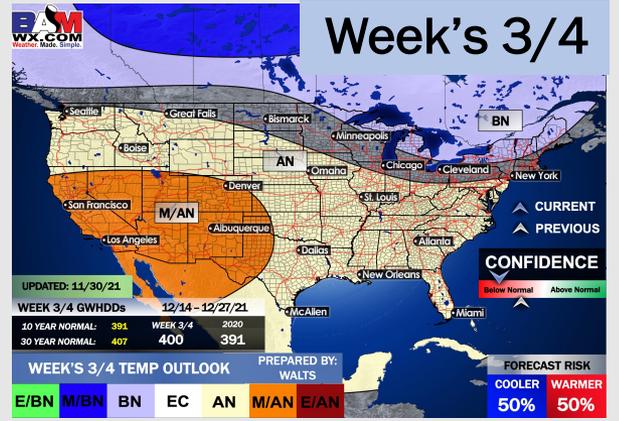
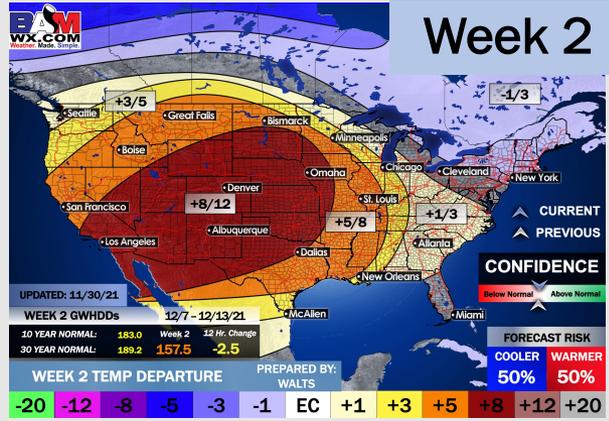
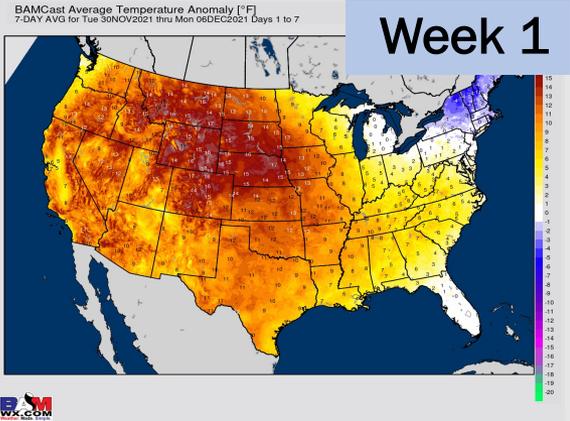
Wind Speed
2 PM CT



High Temps
Friday



Houston Pilots: 12/1/21



- A rather inactive week ahead is anticipated. Chances return towards next SAT / SUN with the next system. Temperatures expected to be above normal this week.
- The week 2 timeframe is expected to have 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 middle of December.