

Houston Pilots Forecast Package



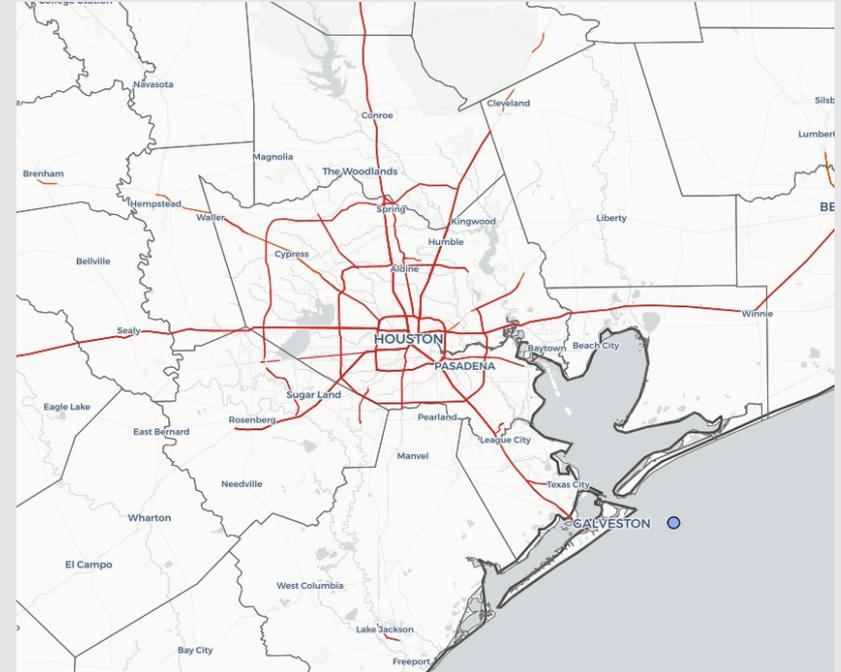
Updated: 4:00 PM CT

Thursday, December 2, 2021

Forecaster: Vince Bryan

Weather Headlines

- Continue to watch for another potential round of patchy fog as discussed in slides below
- Anticipating overall dry conditions this work week with next best shot for precip coming early next week.
- Winds look to generally be on the quieter side the next several days.



Radar/ NWS Alerts: 4:00 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



Confidence



Time	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	12-03-2021 Fri 2am	12-03-2021 Fri 3am	12-03-2021 Fri 4am	12-03-2021 Fri 5am	12-03-2021 Fri 6am	12-03-2021 Fri 7am	12-03-2021 Fri 8am	12-03-2021 Fri 9am	12-03-2021 Fri 10am	12-03-2021 Fri 11am	12-03-2021 Fri 12pm	12-03-2021 Fri 1pm	12-03-2021 Fri 2pm	12-03-2021 Fri 3pm	12-03-2021 Fri 4pm	12-03-2021 Fri 5pm	12-03-2021 Fri 6pm	12-03-2021 Fri 7pm	12-03-2021 Fri 8pm	12-03-2021 Fri 9pm	12-03-2021 Fri 10pm	12-03-2021 Fri 11pm	12-04-2021 Sat 12am	12-04-2021 Sat 1am		
Houston Pilots N - 610 Bridge	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.955	5.886	4.931	3.911	1.678	0.412	0.412	0.239	0.239	1.860	4.897	7.919	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.796	6.964	4.897	3.897	0.523	0.284
Houston Pilots M - Kinder 1	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.955	4.477	4.912	1.988	1.631	0.239	0.239	1.173	1.669	2.397	5.279	7.919	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	7.212	5.711	3.897	2.309	2.309	
Houston Pilots L - Greens Bayou	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	3.897	1.113	1.912	1.113	0.239	0.239	2.013	3.146	4.911	6.930	8.146	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	7.573	6.718	4.912	4.812	4.812	
Houston Pilots K - Shell Crude	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	3.897	1.107	1.152	1.100	0.239	0.239	3.596	3.653	7.999	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.033	7.999	8.033	7.999	7.999	
Houston Pilots J - Lynchburg Ferries	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	5.075	3.037	0.504	0.504	0.239	0.239	0.239	3.596	3.653	7.999	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.072	8.033	7.999	8.033	7.999	7.999	
Houston Pilots I - Exxon 3	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.164	4.931	0.783	0.315	0.239	0.239	0.239	0.239	3.596	3.653	7.999	9.033	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999	
Houston Pilots H - Morgans Point	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.954	4.931	0.372	0.239	0.239	0.239	0.239	0.239	3.653	4.900	7.999	9.033	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999		
Houston Pilots G - 75/76	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	4.931	2.502	0.239	0.239	0.239	0.239	0.239	0.239	3.653	5.965	7.999	9.033	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999	
Houston Pilots F - 63/64	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.795	3.153	1.466	0.239	0.239	0.239	0.239	0.239	0.239	4.576	8.033	7.999	9.033	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999	
Houston Pilots E - 51/52	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	0.582	0.239	0.239	0.239	0.239	0.239	1.131	6.404	8.033	7.999	9.033	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999	
Houston Pilots D - 37/38	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	6.920	0.441	0.477	0.239	0.239	0.239	0.239	4.035	8.033	8.033	7.999	9.033	9.033	9.703	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999		
Houston Pilots C - 25/26	10.000	10.000	10.000	10.000	10.000	10.000	9.661	10.000	8.988	6.920	0.381	0.477	0.477	0.477	3.738	3.738	6.863	8.033	8.033	7.999	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	7.999	7.999	
Houston Pilots B - 11/12	10.000	10.000	10.000	10.000	10.000	10.000	4.931	10.000	8.988	3.110	0.381	0.716	1.689	4.715	5.886	5.886	8.033	8.033	8.033	7.999	9.033	9.033	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.033	8.033	7.999	8.033	8.329	8.862		
Houston Pilots A - 1 & 2 Bravo	10.000	10.000	10.000	9.303	4.076	2.466	3.052	1.988	1.113	0.477	5.324	6.920	5.886	5.886	5.886	5.886	8.033	8.033	8.033	7.999	7.999	8.489	8.774	9.548	9.548	9.548	9.548	9.548	9.548	9.548	8.033	8.715	7.999	8.713	9.033	9.033		

Houston Pilots Extended Range Visibility Report



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

Pending exact timing of our front on Monday, some patchy fog out ahead of the front cannot be fully be ruled out.



Tuesday, 12/6/21

Currently not anticipating fog for our stations on Tuesday with the passing of the front on Monday.



Daily Fog Chance

Sunday AM	Possible
Monday AM	Possible
Tuesday AM	Unlikely

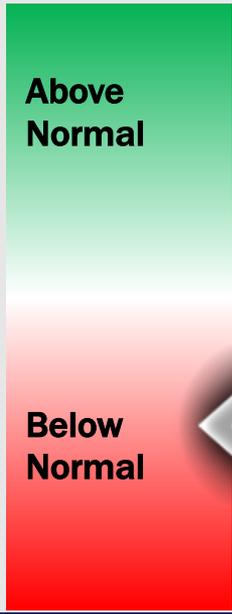
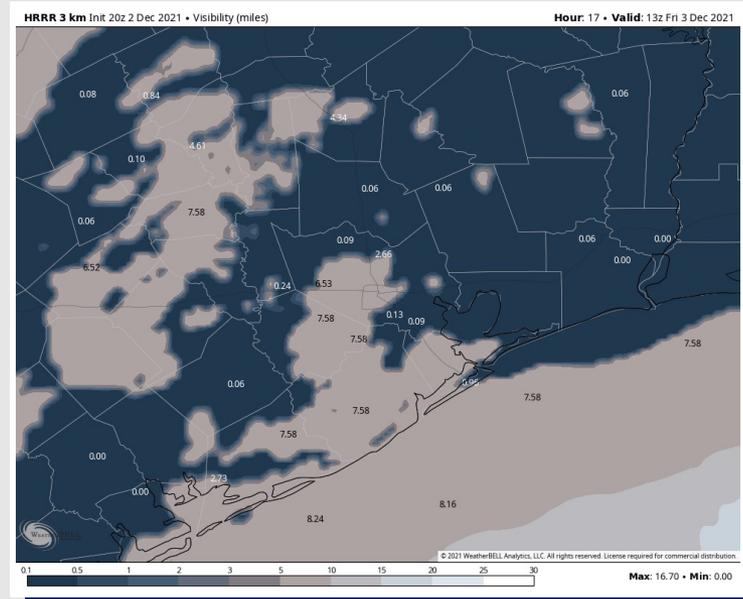
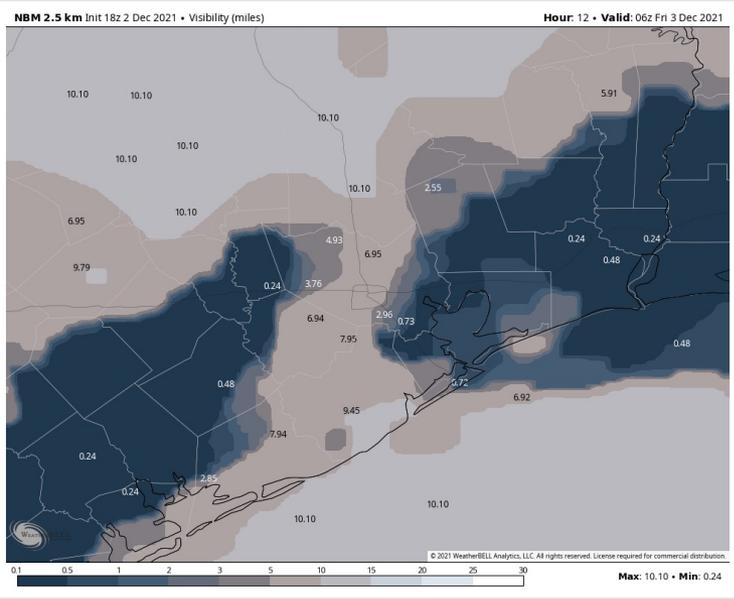
Houston Pilots Visibility Report



1 AM FRI Visibility (miles)

8 AM CT FRI Visibility (miles)

Confidence



Fog Threat

12 AM – 9 AM FRI

Medium-High

- Fog will need to be watched once again tomorrow morning. We have high confidence there will be fog, low confidence on coverage. Data continues to really struggle, with the current atmospheric profiles, also lending to the lower confidence.
- We think that reduced visibilities can slowly start to build for some of our southern 1/2 of stations near the 12 – 1 AM window tonight and will slowly build inland to the northern half likely closer to ~3 AM.
- We do think fog will be patchy in nature, but believe that there can be spots where visibility does dip below 1 mile, most likely in the 4-7 AM window.
- Similar to the last few days, any fog would likely lift by ~9 AM.

Forecast Discussion

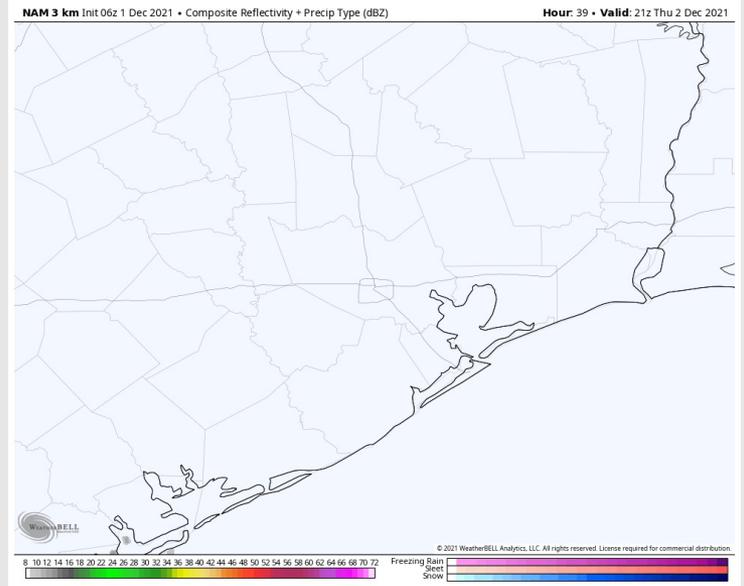
Precip: Dry conditions anticipated to continue for the rest of the day.

Wind: Sustained winds 3-8 MPH look to continue at the boarding station for most of the day, closer to 5-10 MPH after ~6 PM and beyond. Winds look to be mainly out of the S/SE.

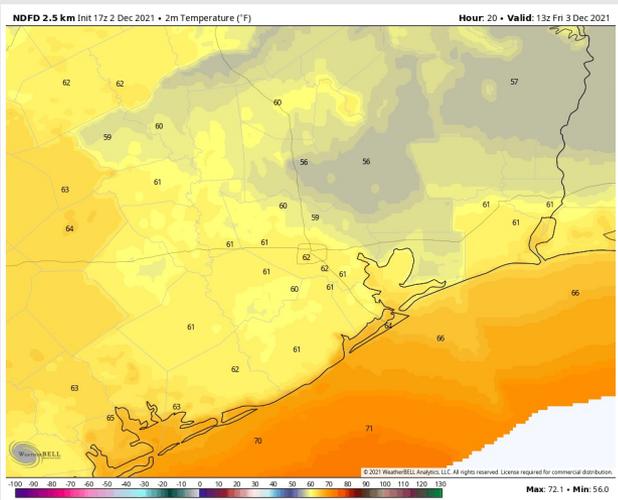
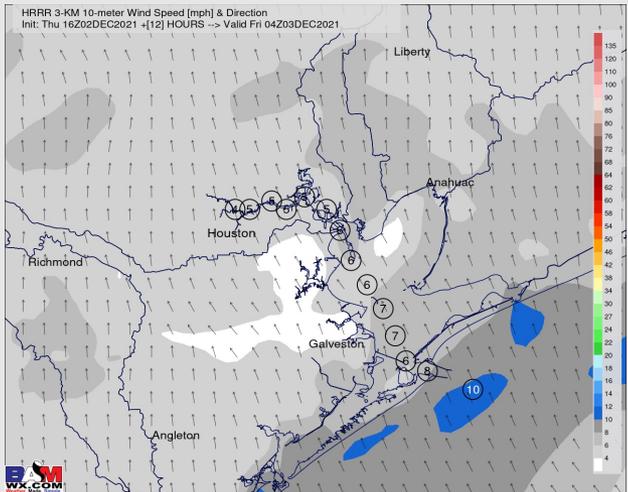
Temps: Lows tonight fall back into the lower 60s.

Visibility: Check slide above for fog thoughts into the overnight hours.

Visibility Forecast: 7 PM CT



Wind Speed 10 PM CT



Low Temps

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



Forecast Discussion

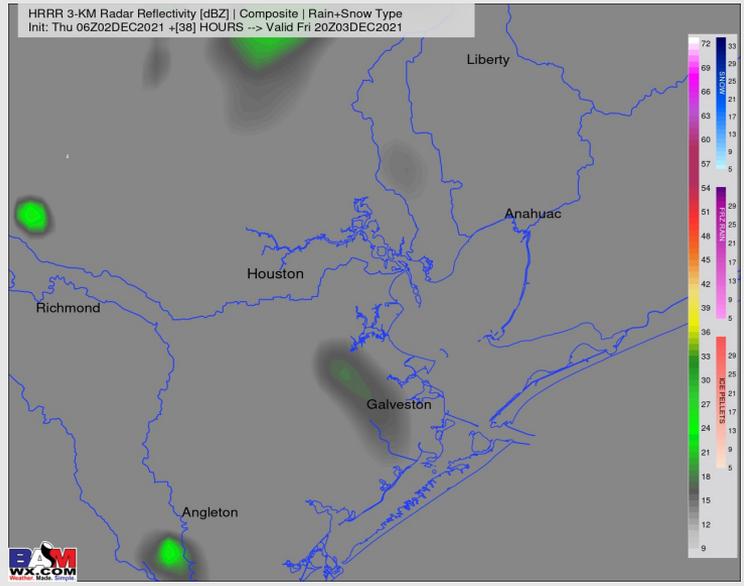
Precip: Continue to watch Friday for a ~20% chance of a few sprinkles/ very light shower in the afternoon hours. Total precip would be a few hundredths of an inch, if anything. Best chance of a sprinkle coming for the northern most 3 or 4 stations.

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.

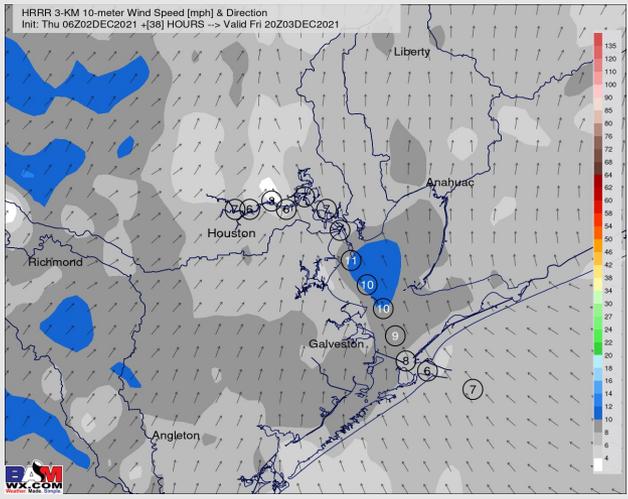
Temps: High temperatures look to be in the low to mid 70sF.

Visibility: Keeping an eye of potential fog Fri AM, more on slide above.

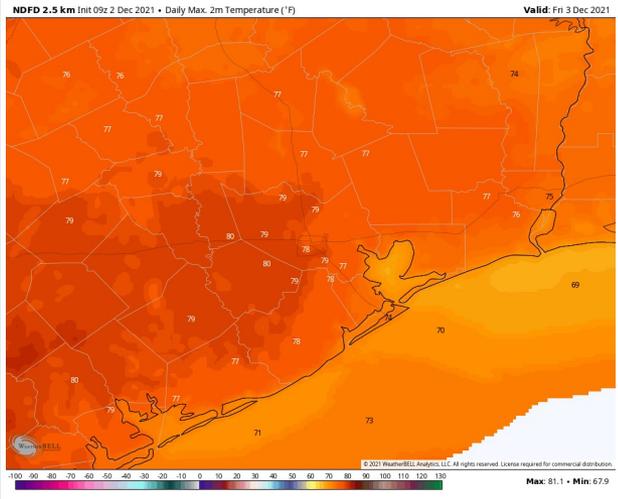
Precip Forecast: 4 PM CT



Wind Speed 2 PM CT



High Temps Friday



Houston Pilots: Sat. 12/4/2021



Forecast Discussion

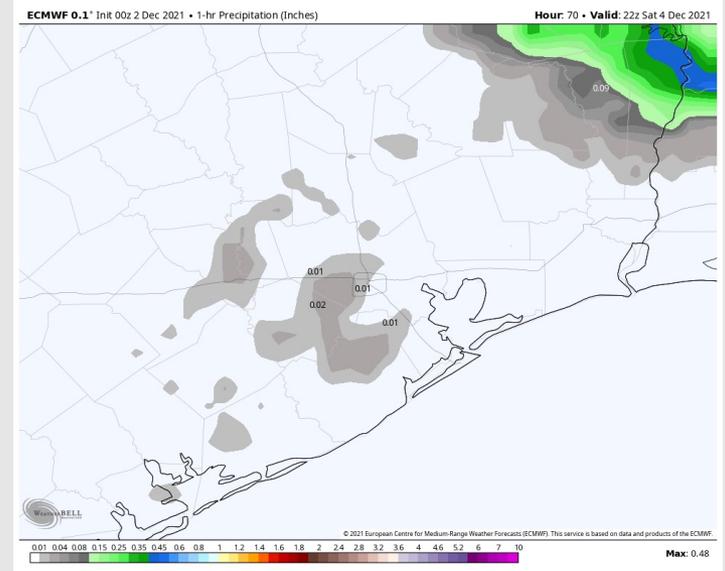
Precip: A touch lower confidence on specifics, but keeping an eye on 20-30% chances for a few light showers in the afternoon hours. Currently think best opportunity for these light showers come for the far N stations.

Wind: Winds will continue coming out of the S at 5-10 MPH with an occasional gust to 15 MPH.

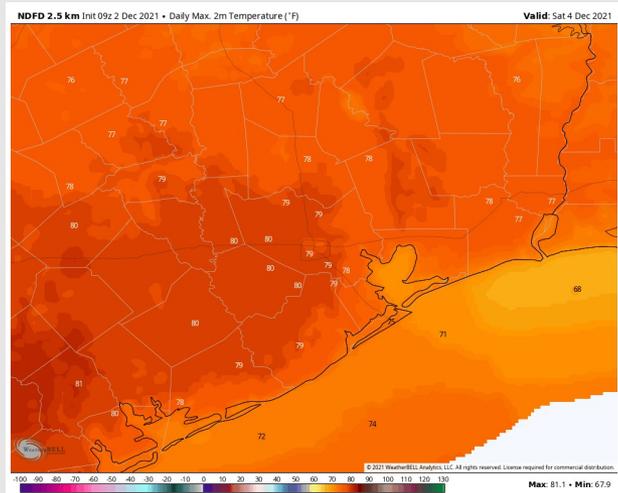
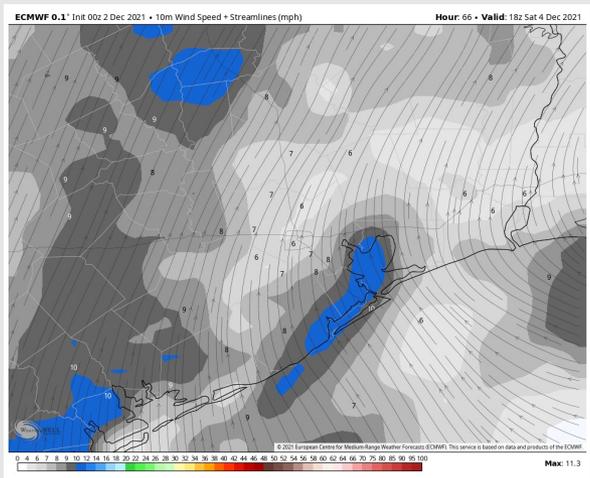
Temps: Saturday's highs should not be all that different with highs in the low to mid 70s.

Visibility: Currently not anticipating fog Saturday.

Precip Forecast: 3 PM CT

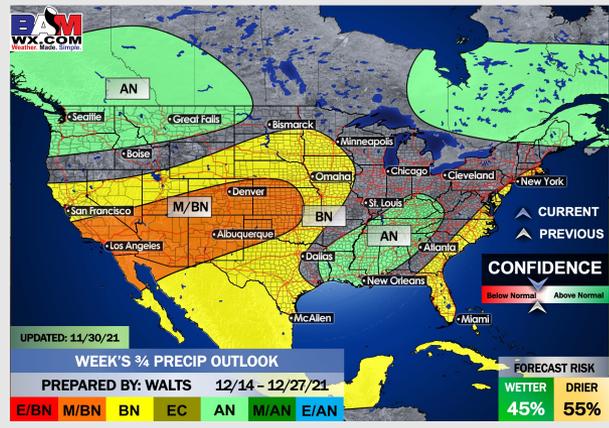
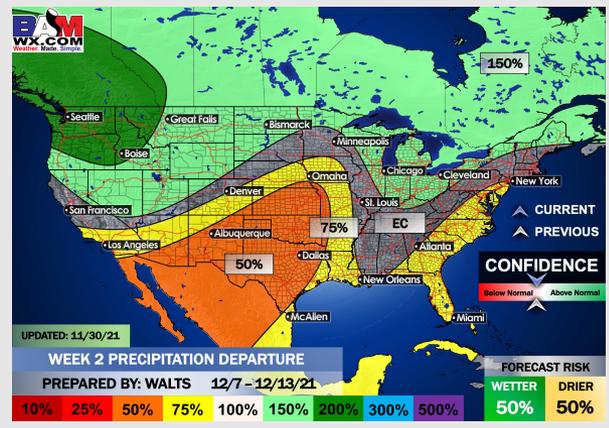
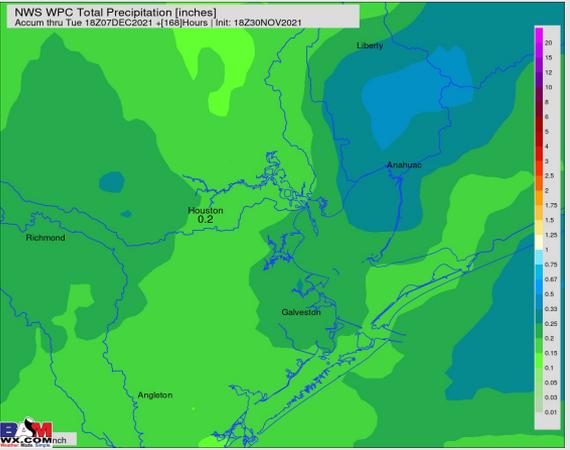
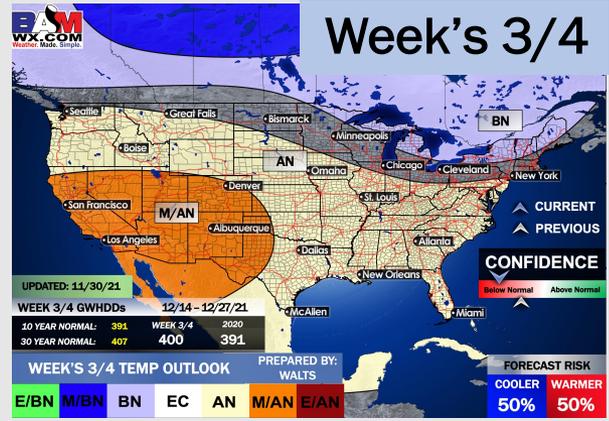
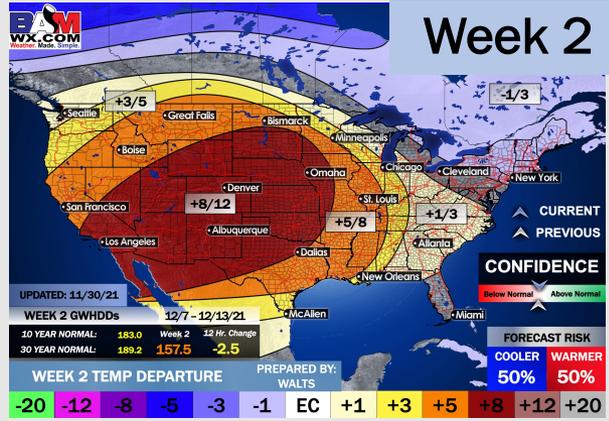
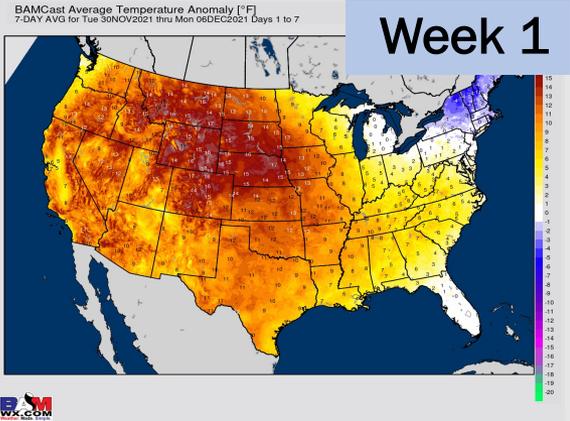


Wind Speed: 1 PM CT



High Temps Saturday

Houston Pilots: 12/2/21



- A rather inactive week ahead is anticipated. Chances return towards 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.