

Houston Pilots Forecast Package



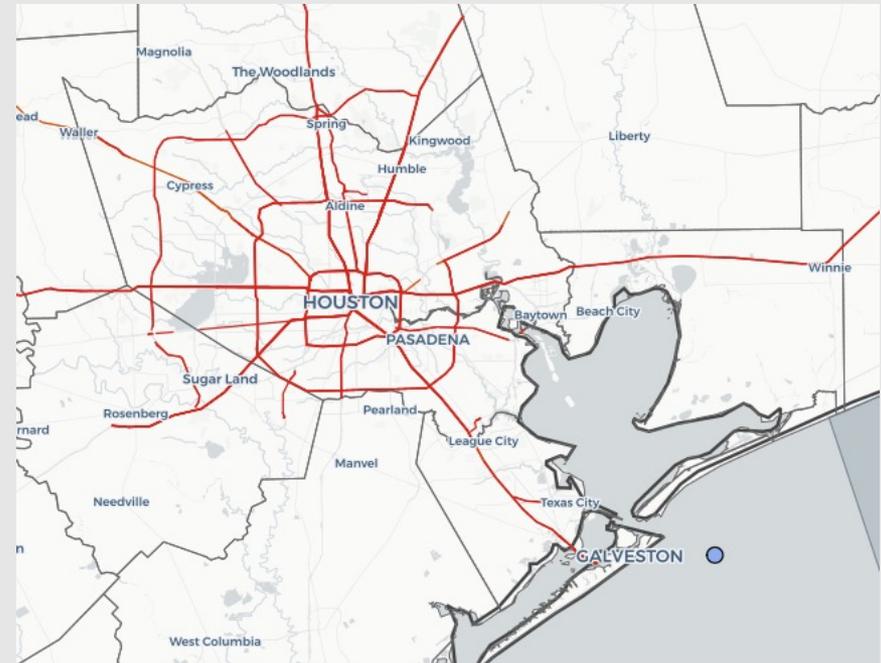
Updated: 3:00 PM CT

Wednesday, December 15, 2021

Forecaster: Vince Bryan

Weather Headlines

- Another round of dense fog will be possible tonight into Thu AM
- Daily fog chances likely continue into the weekend
- Anticipating a generally quieter rest of the 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: 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	12-15-2021 Wed 1pm	12-15-2021 Wed 2pm	12-15-2021 Wed 3pm	12-15-2021 Wed 4pm	12-15-2021 Wed 5pm	12-15-2021 Wed 6pm	12-15-2021 Wed 7pm	12-15-2021 Wed 8pm	12-15-2021 Wed 9pm	12-15-2021 Wed 10pm	12-15-2021 Wed 11pm	12-16-2021 Thu 12am	12-16-2021 Thu 1am	12-16-2021 Thu 2am	12-16-2021 Thu 3am	12-16-2021 Thu 4am	12-16-2021 Thu 5am	12-16-2021 Thu 6am	12-16-2021 Thu 7am	12-16-2021 Thu 8am	12-16-2021 Thu 9am	12-16-2021 Thu 10am	12-16-2021 Thu 11am	12-16-2021 Thu 12pm	12-16-2021 Thu 1pm	12-16-2021 Thu 2pm	12-16-2021 Thu 3pm	12-16-2021 Thu 4pm	12-16-2021 Thu 5pm	12-16-2021 Thu 6pm	12-16-2021 Thu 7pm	12-16-2021 Thu 8pm	12-16-2021 Thu 9pm	12-16-2021 Thu 10pm	12-16-2021 Thu 11pm	12-17-2021 Fri 12am					
Houston Pilots N - 610 Bridge	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.307	8.668	8.339	7.747	7.261	6.794	6.875	7.464	7.588	7.583	7.581	5.882	5.700	7.694	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	8.133	6.947	5.456		
Houston Pilots M - Kinder 1	10.000	10.000	10.000	10.000	10.000	10.000	9.400	8.698	8.047	7.801	7.191	6.730	6.344	6.386	7.287	7.532	7.581	7.581	5.904	5.716	7.667	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	9.940	7.986	6.941	5.398		
Houston Pilots L - Greens Bayou	10.000	10.000	10.000	10.000	10.000	10.000	9.205	8.490	7.869	7.641	7.030	6.568	6.180	6.237	7.251	7.525	7.581	7.581	5.971	5.688	7.538	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	9.840	7.843	6.965	5.325	
Houston Pilots K - Shell Crude	10.000	10.000	10.000	10.000	10.000	9.061	7.681	7.144	6.437	6.364	5.834	5.361	5.292	5.415	6.749	7.360	7.583	7.583	6.048	5.770	7.572	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	9.964	9.963	9.644	7.585	6.881	5.159
Houston Pilots J - Lynchburg Ferries	10.000	10.000	10.000	10.000	10.000	9.172	7.731	7.183	6.410	6.350	5.787	5.388	5.230	5.334	6.787	7.359	7.584	7.583	6.064	5.591	7.371	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	9.945	9.945	9.652	7.626	6.905	5.182	
Houston Pilots I - Exxon 3	10.000	10.000	10.000	10.000	10.000	8.126	6.868	6.458	5.730	5.716	5.203	4.750	4.756	4.949	6.519	7.322	7.590	7.588	6.221	5.779	7.475	9.869	9.955	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.955	9.843	9.749	9.737	9.218	7.339	6.592	4.886			
Houston Pilots H - Morgans Point	10.000	10.000	10.000	10.000	10.000	7.283	6.079	5.598	4.968	5.154	4.668	4.032	4.244	4.603	6.094	7.216	7.596	7.596	6.634	6.304	7.844	9.669	9.771	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.792	9.523	9.365	9.349	8.740	7.108	6.112	4.639			
Houston Pilots G - 75/76	10.000	10.000	10.000	10.000	8.879	6.450	5.418	4.998	4.482	4.713	4.324	3.662	4.041	4.385	5.869	7.251	7.595	7.601	7.014	6.824	8.144	9.338	9.477	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.535	9.116	8.963	8.817	7.947	6.604	5.355	4.437			
Houston Pilots F - 63/64	9.335	9.425	9.649	9.393	7.835	5.471	4.570	4.159	3.915	4.202	3.906	3.171	3.604	4.081	5.285	7.194	7.597	7.604	7.269	7.230	8.251	8.918	9.167	10.000	10.000	10.000	10.000	10.000	10.000	9.284	8.742	8.607	8.039	7.088	5.903	4.693	4.249				
Houston Pilots E - 51/52	7.675	7.327	7.592	7.229	5.685	3.744	3.135	2.829	2.612	2.952	2.883	2.317	3.107	3.870	5.119	7.236	7.608	7.616	7.290	7.359	8.109	8.513	8.874	9.963	10.000	10.000	10.000	9.847	8.963	8.422	8.252	7.225	6.328	5.113	4.373	4.117					
Houston Pilots D - 37/38	6.811	6.367	6.607	6.234	4.819	3.258	2.801	2.484	2.444	2.806	2.806	2.186	3.340	4.088	5.100	7.239	7.603	7.614	7.016	7.122	7.622	8.143	8.504	8.950	9.318	9.149	8.991	8.838	8.633	8.265	7.962	6.548	5.655	4.651	4.456	4.148					
Houston Pilots C - 25/26	5.620	5.261	5.884	5.575	4.542	3.125	2.773	2.544	2.354	2.601	2.794	2.677	4.230	4.537	5.489	7.285	7.593	7.614	7.178	7.252	7.537	8.086	8.478	8.721	8.708	8.586	8.401	8.515	8.169	7.943	7.612	6.218	5.630	4.962	4.947	4.661					
Houston Pilots B - 11/12	3.804	3.172	3.406	3.184	2.508	1.539	1.323	1.110	0.994	1.310	1.475	1.672	3.614	3.869	5.216	7.266	7.597	7.599	7.557	7.636	7.654	8.142	8.634	8.722	8.521	8.388	8.181	8.323	7.764	7.638	7.392	6.227	5.864	5.351	5.414	5.226					
Houston Pilots A - 1 & 2 Bravo	1.986	1.280	1.111	1.052	0.791	0.397	0.304	0.224	0.130	0.278	0.525	1.262	3.053	3.268	4.948	7.218	7.495	7.581	8.306	8.280	7.946	8.281	8.950	8.971	8.404	8.096	7.996	8.012	7.575	7.575	7.534	7.067	6.991	6.818	6.883	6.881					

Data is struggling this afternoon and we don't think this is a perfect representation of this evening, more details on slides below.

Houston Pilots Extended Range Visibility Report



Saturday, 12/18/21

Keeping an eye on fog potential Sat AM, fog out ahead of our front on Sat AM will be possible with southerly flow.



Sunday, 12/19/21

With elevated winds out of the N/NE, currently not anticipating fog at our stations on Sun.



Monday, 12/20/21

With winds still out of the north on Mon, currently not anticipating fog at our stations for Mon AM.



Daily Fog Chance

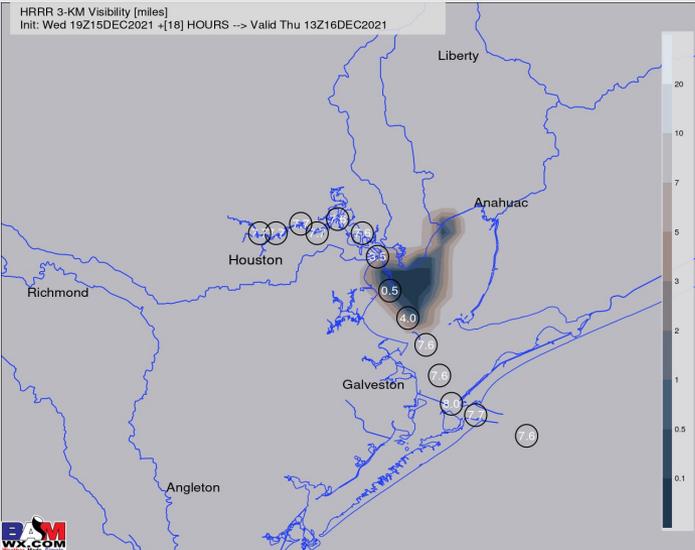
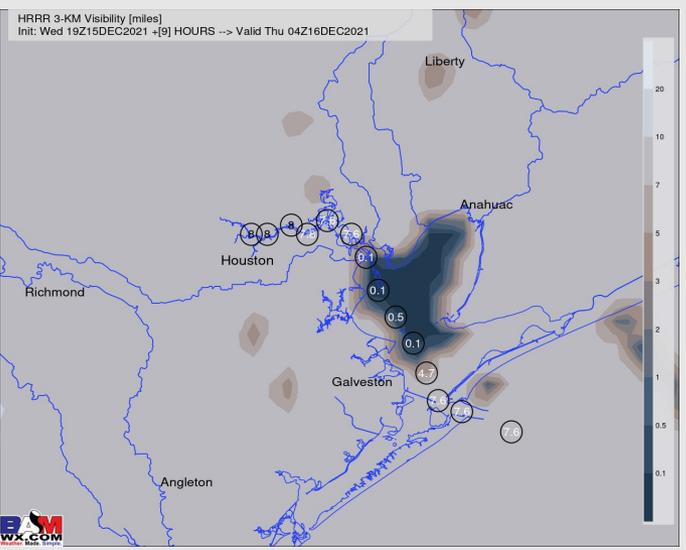
Saturday AM	Possible
Sunday AM	Unlikely
Monday AM	Unlikely

Houston Pilots Visibility Report



9 PM CT WED Visibility (miles) 8 AM CT THU Visibility (miles)

Confidence



Fog Threat

6 PM WED – 9 AM THU **Medium**

- As we have gotten closer to this evening, unfortunately confidence has decreased. Even though we have an overall pattern/ atmospheric setup similar to the past few evenings/overnight, almost all data is against the thought of widespread fog for our stations.
- We think that patchy fog from Morgan's Point down to 25/26 will be possible in a very hit and miss nature from ~ 7 PM out through ~9 AM Thursday. This does not mean fog for all stations through that entire period, but rather pockets of fog that can produced reduced visibilities less than 1-2 miles.
- For our stations south of 25/26, reduced visibilities will be possible from 6-7 PM this evening through 3-4 AM tomorrow based on atmospheric profiles .These stations are where we have the lowest overall confidence regarding where /when fog formation can occur.
- It still would not surprise us to see data trend stronger with fog potential as we get closer, however current hi-resolution data is really struggling with the current visibilities.

Forecast Discussion

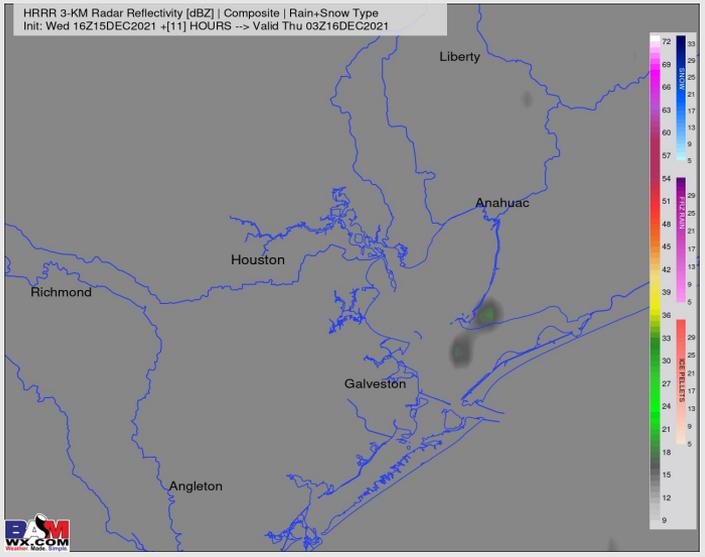
Precip: Overall drier weather is favored with an outside 10-20% chance of a pocket of drizzle/sprinkles possible into the evening hours.

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

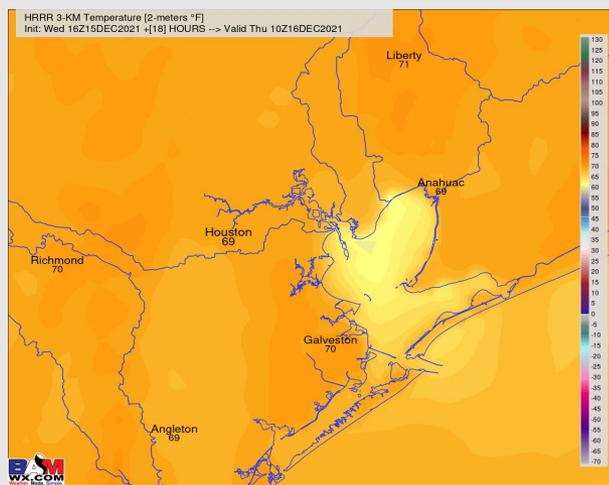
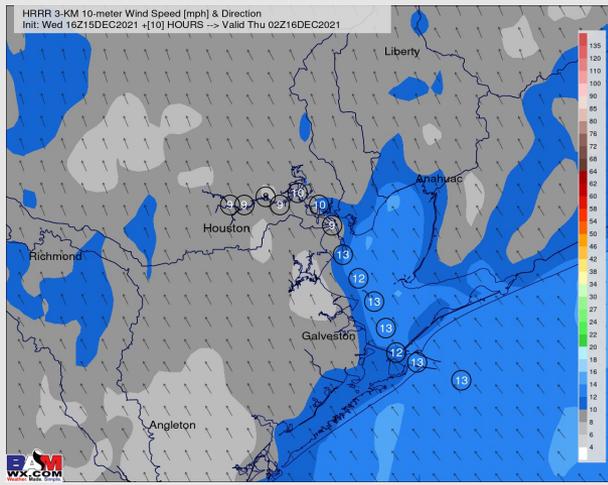
Temps: Low temps look to drop back into the lower 70s.

Visibility: See slides above for more info on fog this evening.

Precip Forecast: 9 PM CT



Wind Speed
8 PM CT



Low Temps
This Evening

Houston Pilots: Thu. 12/16/2021



Forecast Discussion

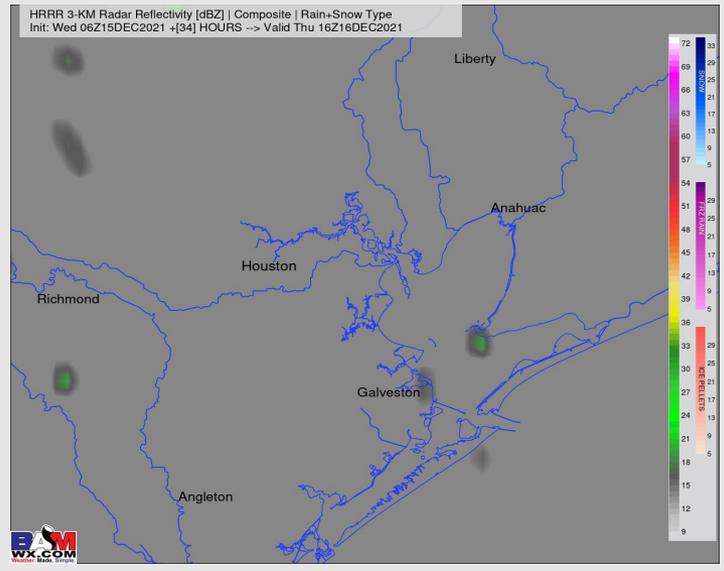
Precip: Again, a 10-20% chance of a few spotty pockets of sprinkles are possible at just about any point on Thu. Any precip would likely be rather brief and quite light.

Wind: Sustained winds look to be 8-13 MPH out of the SE for most of the day on Thu at the boarding station. Gusts 13-18 MPH will be possible at the boarding station throughout the day.

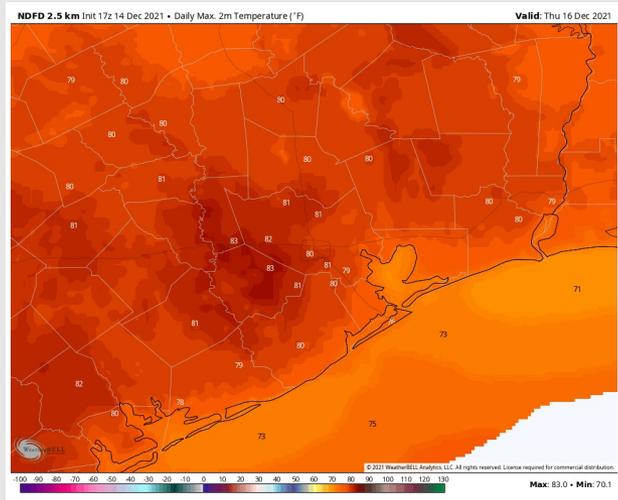
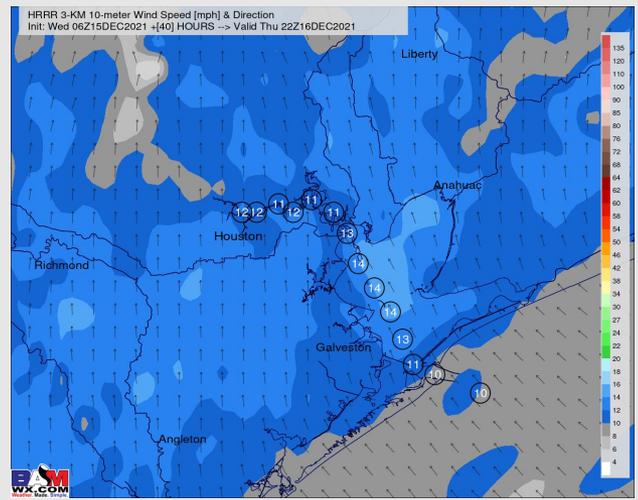
Temps: High temps look to be in the upper 70s to low 80s F on Thu.

Visibility: Check slides above for more details.

Precip Forecast: 10 AM CT



Wind Speed:
1 PM CT



High Temps
Thursday

Houston Pilots: *Fri. 12/17/2021*



Forecast Discussion

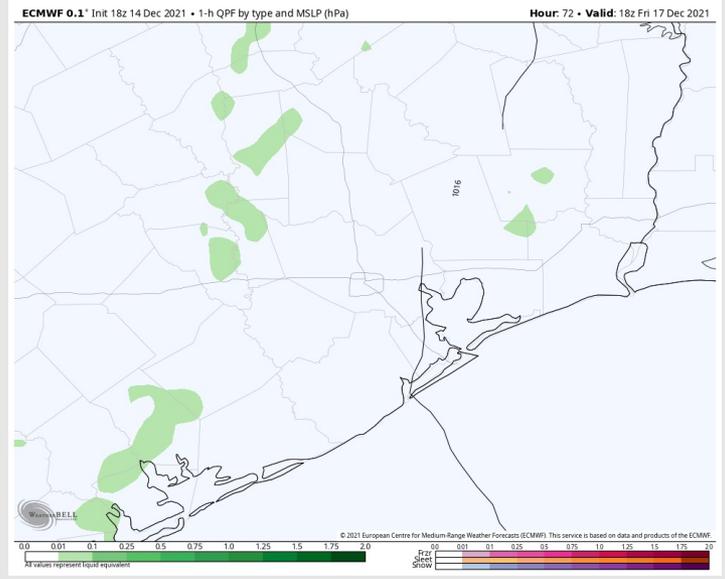
Precip: With continued onshore flow, low level moisture will allow for these pesky 10-20% chances of a brief sprinkle to show up at any point on Friday.

Wind: Sustained winds look to be 8-13 MPH out of the SE for most of the day on Fri at the boarding station. Gusts 13-18 MPH possible at the boarding station throughout the day.

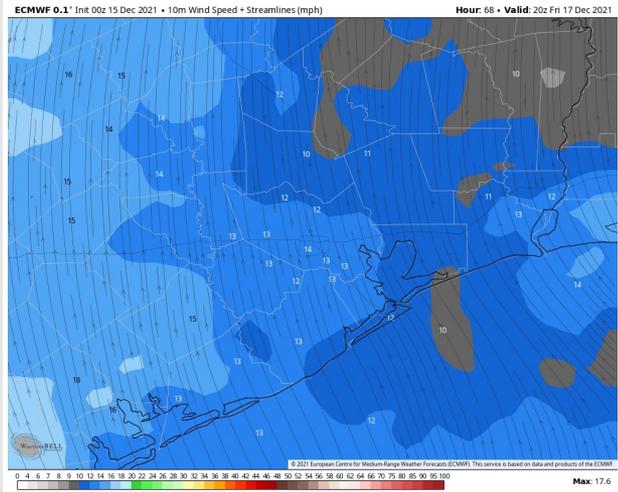
Temps: High temperatures Fri look to be in the upper 70s to low 80s F.

Visibility: The potential for sea fog Thu night into Fri AM continues to be possible with SE onshore flow. Keeping an eye on this in further updates.

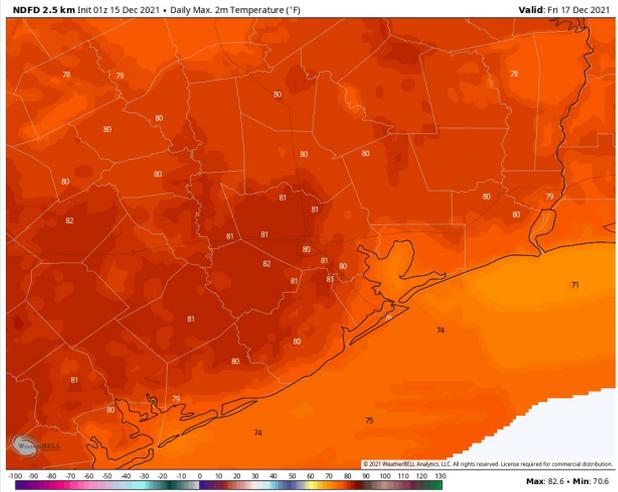
Precip Forecast: 12 PM CT



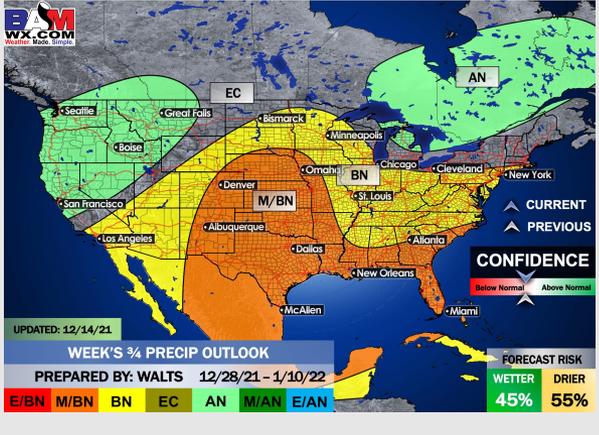
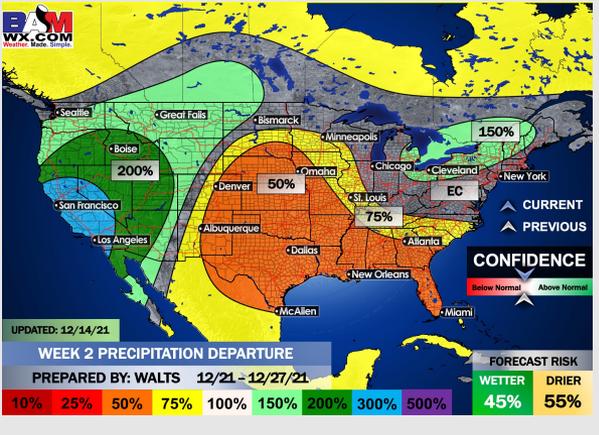
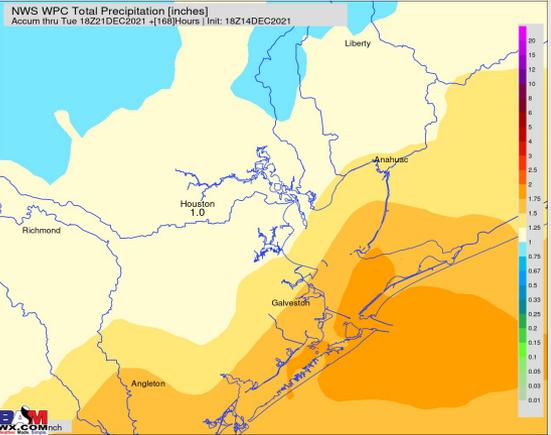
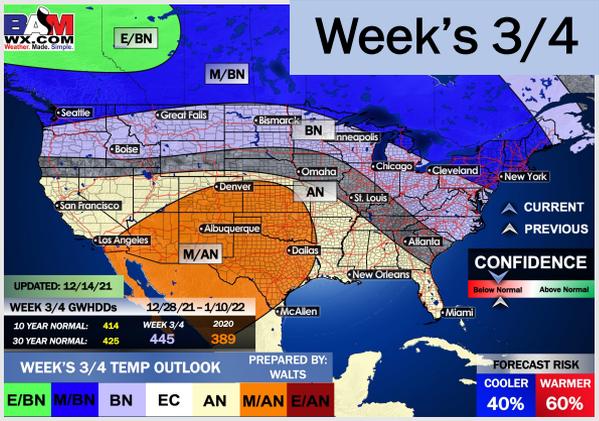
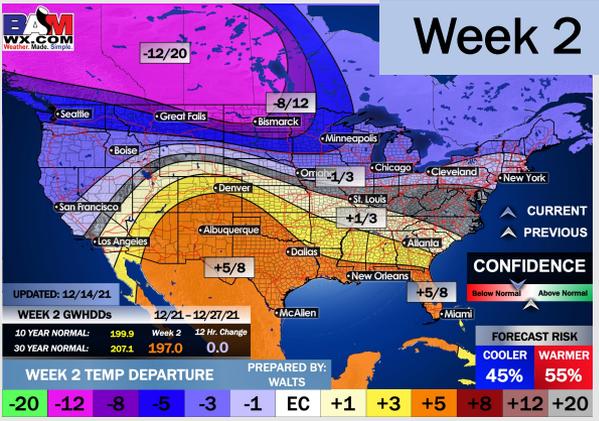
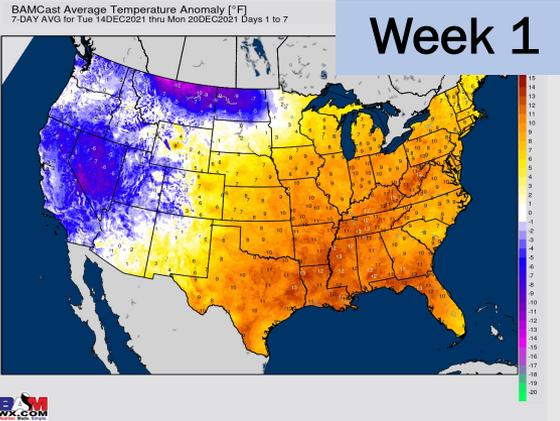
Wind Speed
4 PM CT



High Temps
Friday



Houston Pilots: 12/15/21



- 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 below normal risks for precipitation.
- Right now, we are favoring above normal risks for temperatures and near normal to below normal risks for precip for the end of December and the first week of Jan.