

Houston Pilots Forecast Package



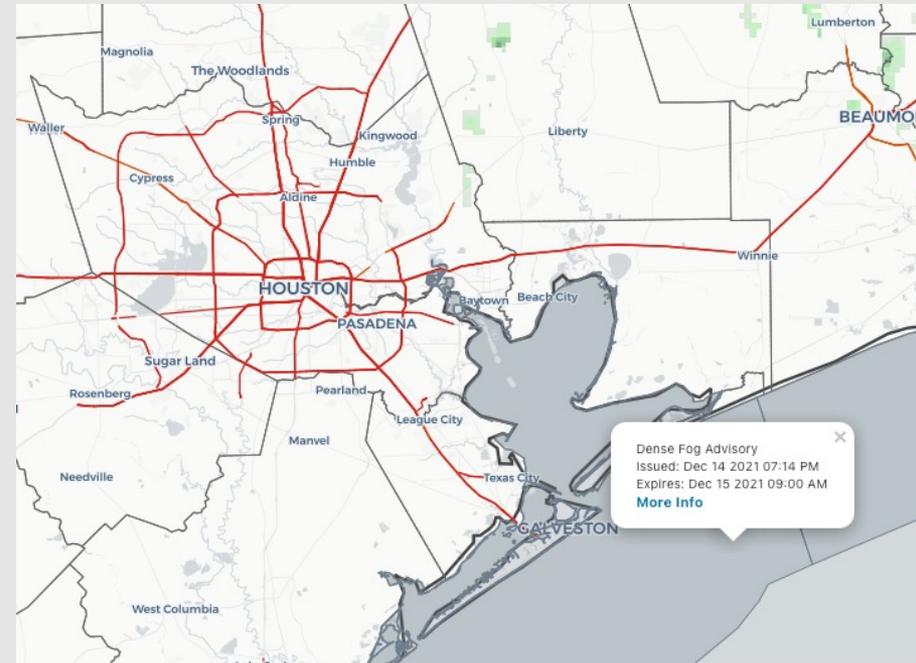
Updated: 5:00 AM CT

Wednesday, December 15, 2021

Forecaster: Vince Bryan

Weather Headlines

- Dense Fog Advisory issues out through 9 AM CT
- Daily fog chances likely continue into the weekend
- 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	12-15-2021 Wed 3am	12-15-2021 Wed 4am	12-15-2021 Wed 5am	12-15-2021 Wed 6am	12-15-2021 Wed 7am	12-15-2021 Wed 8am	12-15-2021 Wed 9am	12-15-2021 Wed 10am	12-15-2021 Wed 11am	12-15-2021 Wed 12pm	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
Houston Pilots N - 610 Bridge	6.974	6.767	7.295	7.429	7.639	8.245	9.881	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.970	9.339	10.000	9.870	8.694	7.277	7.201	7.293	7.190	6.449	4.939	4.486	3.037	0.468	4.836	8.380	10.000	10.000	10.000	10.000
Houston Pilots M - Kinder 1	6.664	6.447	7.065	7.186	7.323	7.901	9.518	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.530	9.072	10.000	9.796	8.570	7.199	7.135	7.212	7.114	6.355	4.957	4.388	2.932	0.409	4.846	8.314	10.000	10.000	10.000	10.000
Houston Pilots L - Greens Bayou	6.548	6.316	7.006	7.121	7.246	7.790	9.419	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.389	9.005	10.000	9.710	8.448	7.111	7.035	7.078	6.992	6.249	5.037	4.286	2.829	0.497	4.853	8.202	10.000	10.000	10.000	10.000
Houston Pilots K - Shell Crude	5.654	5.624	6.304	6.412	6.276	6.776	8.386	9.280	9.904	10.000	10.000	10.000	10.000	10.000	10.000	9.402	8.662	8.638	9.994	9.507	8.193	7.031	6.977	7.019	6.976	6.184	5.126	4.267	2.743	0.656	5.022	8.174	10.000	10.000	10.000	10.000
Houston Pilots J - Lynchburg Ferries	5.818	5.599	6.310	6.417	6.245	6.744	8.415	9.321	9.987	10.000	10.000	10.000	10.000	10.000	10.000	9.455	8.703	8.618	9.979	9.497	8.263	7.011	6.985	6.987	6.985	6.107	5.155	4.188	2.824	0.694	4.922	8.076	10.000	10.000	10.000	10.000
Houston Pilots I - Exxon 3	5.197	5.152	5.952	6.046	5.753	6.169	7.778	8.597	9.355	10.000	10.000	10.000	10.000	10.000	9.880	8.850	8.307	8.468	9.733	8.997	7.821	6.998	6.991	7.091	7.091	6.190	5.454	4.513	3.108	1.287	5.230	8.112	10.000	10.000	10.000	10.000
Houston Pilots H - Morgans Point	4.414	4.390	5.231	5.345	5.028	5.448	7.128	7.878	8.680	10.000	10.000	10.000	10.000	10.000	9.575	8.612	8.160	8.414	9.334	8.334	7.437	6.987	7.159	7.297	7.297	6.558	6.043	5.153	3.837	2.306	5.518	8.123	9.904	10.000	10.000	10.000
Houston Pilots G - 75/76	3.597	4.032	4.809	4.922	4.653	5.028	6.529	7.174	8.046	9.697	10.000	10.000	10.000	10.000	9.155	8.344	8.048	8.372	8.846	7.483	6.872	6.656	7.245	7.454	7.433	6.845	6.625	5.743	4.466	3.275	5.585	7.923	9.385	10.000	10.000	10.000
Houston Pilots F - 63/64	2.653	3.300	4.041	4.156	4.041	4.320	5.659	6.185	7.057	8.879	10.000	10.000	10.000	9.752	8.683	8.185	7.965	8.304	8.200	6.592	6.290	6.180	7.284	7.512	7.369	6.966	6.903	6.113	5.214	3.942	5.526	7.577	8.642	9.777	10.000	10.000
Houston Pilots E - 51/52	1.470	2.418	3.121	3.209	3.082	3.251	4.363	4.981	5.842	7.462	8.411	9.262	9.136	8.941	7.997	7.718	7.686	7.958	7.618	5.965	5.870	5.716	7.317	7.426	7.144	6.932	6.686	6.117	5.525	4.034	5.355	7.156	7.896	9.446	10.000	10.000
Houston Pilots D - 37/38	1.004	2.158	2.799	2.892	2.919	3.062	3.908	4.507	5.117	6.901	8.001	9.059	8.969	8.822	7.845	7.710	7.658	7.892	7.146	5.774	5.629	5.564	7.053	7.138	6.790	6.642	6.148	5.968	5.376	3.650	5.278	6.907	7.416	9.048	9.479	10.000
Houston Pilots C - 25/26	0.664	2.629	3.164	3.284	3.370	3.660	4.190	4.465	4.932	6.545	7.734	8.749	8.767	8.639	7.767	7.664	7.675	7.880	6.904	6.013	5.880	6.093	7.175	7.219	6.971	6.873	6.194	6.402	5.798	4.294	5.718	6.960	7.306	8.938	9.377	9.657
Houston Pilots B - 11/12	0.191	1.340	1.725	1.794	1.793	2.129	2.545	2.772	3.312	4.813	6.148	7.314	7.686	7.807	7.179	7.163	6.938	6.976	6.744	6.142	6.093	6.560	7.466	7.466	7.155	7.114	6.366	6.836	6.269	5.067	6.006	6.859	7.056	8.771	9.225	9.139
Houston Pilots A - 1 & 2 Bravo	0.026	0.491	0.747	0.763	0.763	1.067	1.177	1.356	1.720	2.869	4.168	5.367	6.045	6.629	6.294	6.050	5.693	5.651	7.261	7.108	7.108	7.606	7.917	7.917	7.690	7.690	7.187	7.667	7.290	6.897	7.074	7.266	7.346	8.709	8.949	8.296

Data likely too weak with visibilities, 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

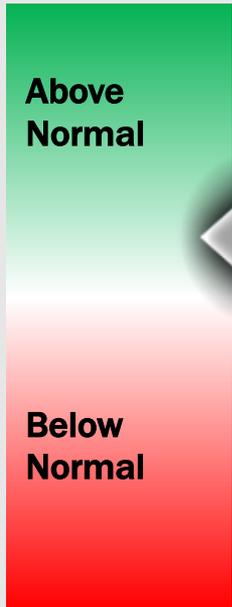
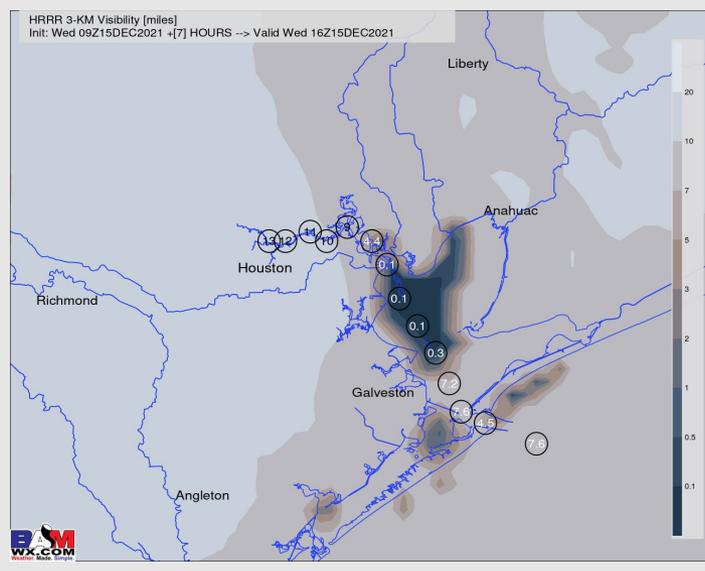
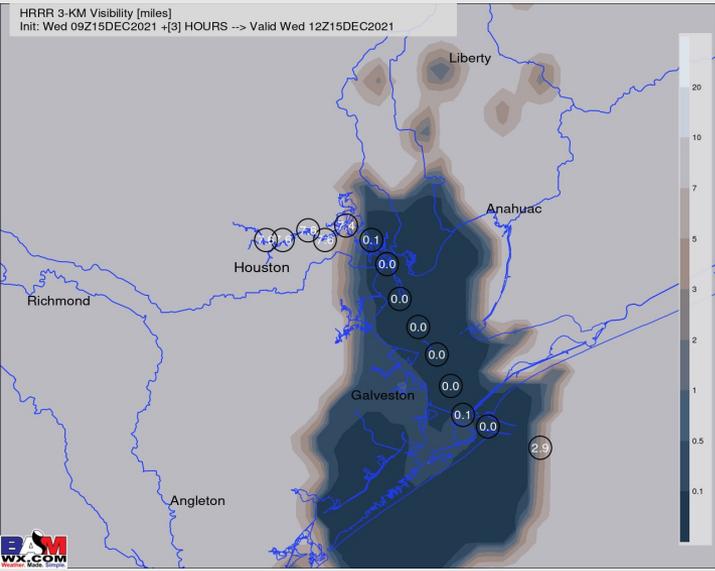
Saturday AM	Possible
Sunday AM	Unlikely
Monday AM	Unlikely

Houston Pilots Visibility Report



6 AM CT WED Visibility (miles) 10 AM CT WED Visibility (miles)

Confidence



Fog Threat
CURRENT – 6 PM WED High

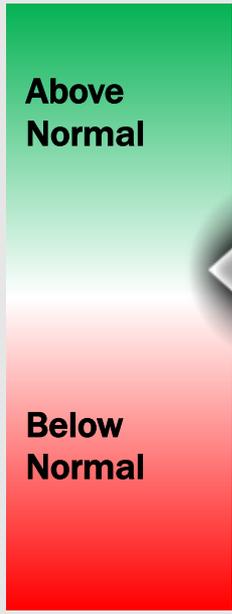
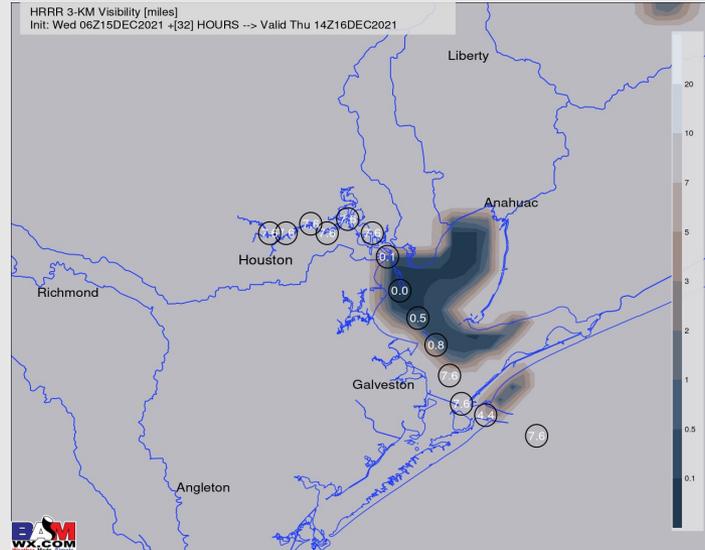
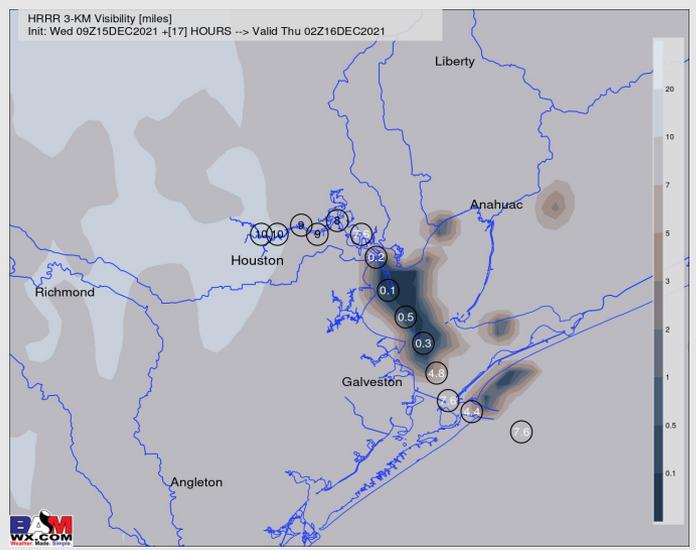
- By around the 8-9 AM timeframe, data suggests most patchy fog can be confined from Morgan’s Point to the 25/26 station. Visibilities under 1-2 miles will still be possible for stations that can see fog in this period.
- By 10-11 AM, we are in favor of most fog across the area being lifted. With that said, we cannot 100% rule out a few very isolated pockets of reduced visibilities/ isolated instances of fog being possible beyond this South of Morgan’s Point. Into the early afternoon hours however, visibilities of 3-5 miles will be possible given an overall lower cloud deck of a few hundred feet.
- Similar to the past few days, as we approach the ~6 PM window is when atmospheric profiles become slightly more supportive of patchy fog becoming slightly more widespread. Visibilities of <1-2 miles will be possible that would likely start at the boarding station and creep north.

Houston Pilots Visibility Report



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

Confidence



Fog Threat	
6 PM WED – 11 AM THU	Medium-High

- After 6 PM is when we favor better opportunities of fog increasing in coverage for our stations. The overall pattern/ atmospheric setup is very similar to the past few days, and we currently believe most data is underdone with this threat.
- Through the overnight tonight into Thursday AM, patchy dense fog will once again be on the table for locations South of Morgan’s Point.
- Likely eyeing the early morning hours of Thursday (7-8 AM) for the overnight fog to become slightly more patchy, and then near 10-11 AM for most fog to lift.
- We would not be surprised at all to see model data trend stronger with the fog threat this evening/overnight as new data comes in.

Forecast Discussion

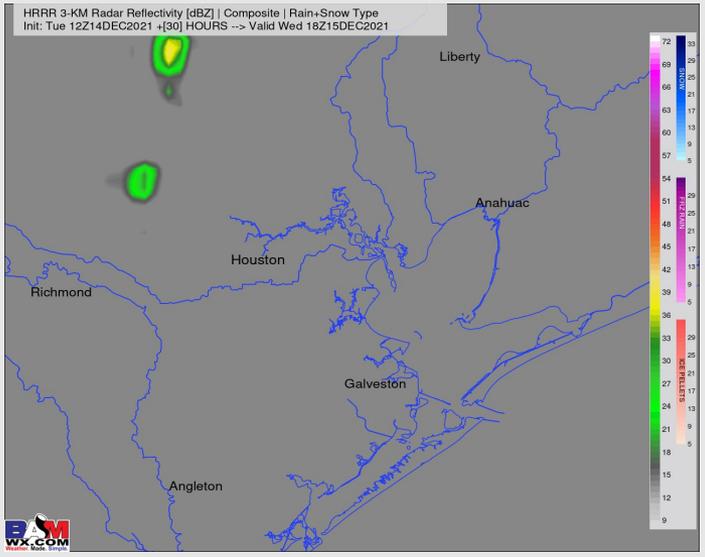
Precip: Similar to the past few days, a 10~20% chance of an isolated drizzle/ very light and brief shower throughout the day will be possible from continuing onshore flow. Any precip would be on the order of a few hundredths of an inch.

Wind: Sustained winds for most 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.

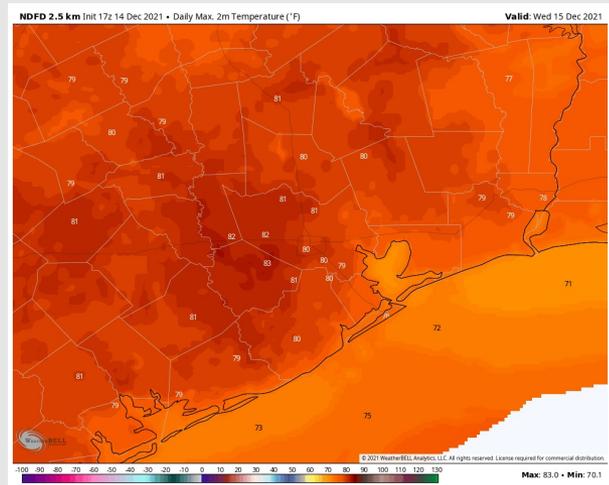
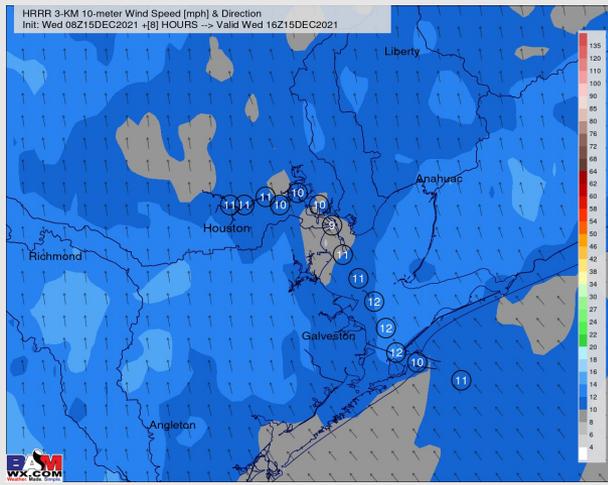
Temps: High temperatures look to be in the mid to upper 70s F.

Visibility: See slides above for more info on fog today.

Precip Forecast: 12 PM CT



Wind Speed
10 AM CT



High Temps

Houston Pilots: Thu. 12/16/2021



Forecast Discussion

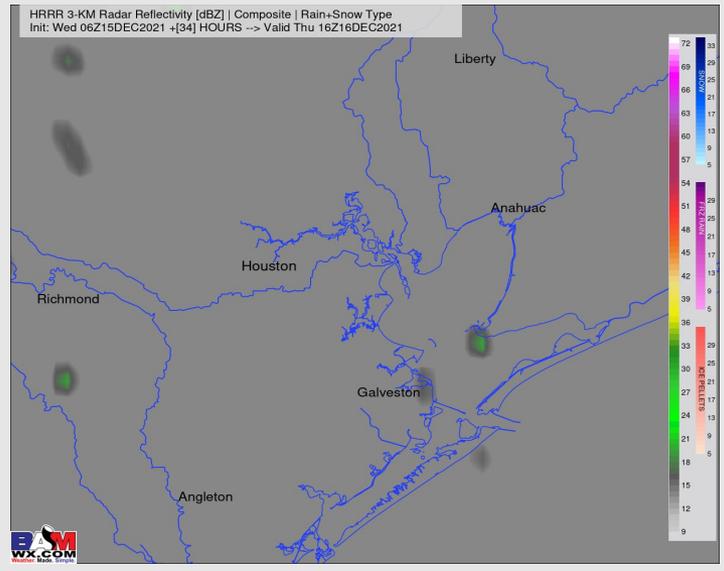
Precip: Again, a 10-20% chance of a few spotty pockets of sprinkles are possible at just about any point on Thu. Any precip would likely be rather brief and quite light.

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.

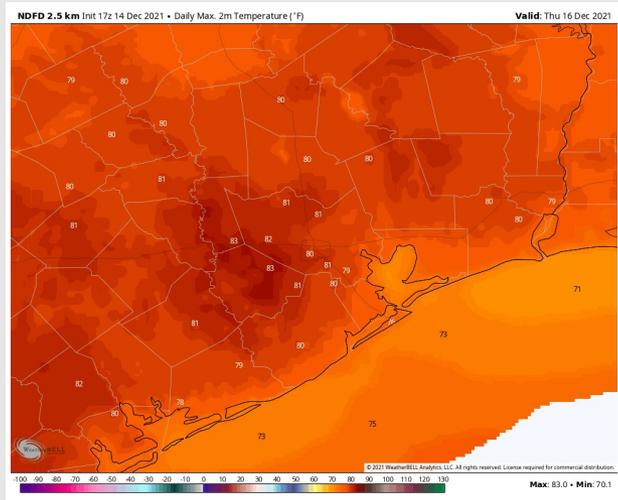
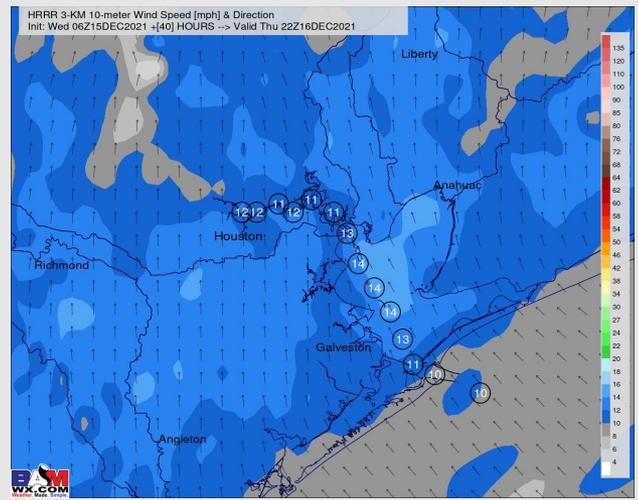
Temps: High temps look to be in the upper 70s to low 80s F on Thu.

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

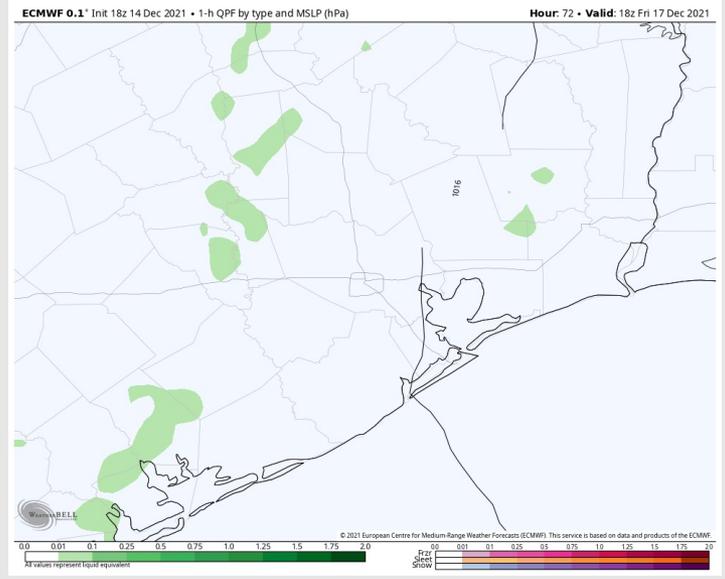
Precip: With continued onshore flow, low level moisture will allow for these pesky 10-20% chances of a brief sprinkle to show up at any point on Friday.

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.

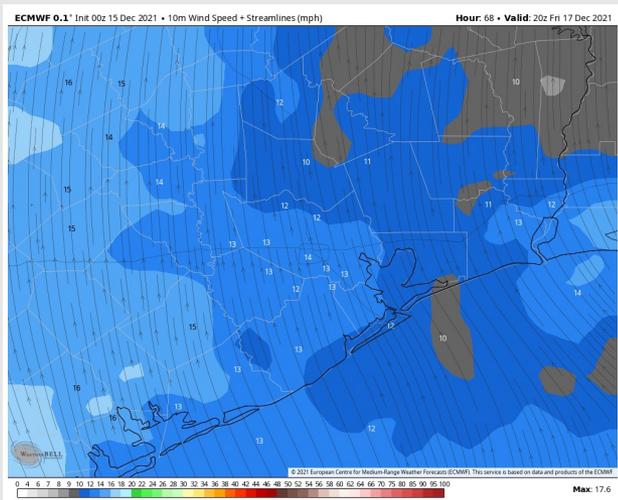
Temps: High temperatures Fri look to be in the upper 70s to low 80s F.

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.

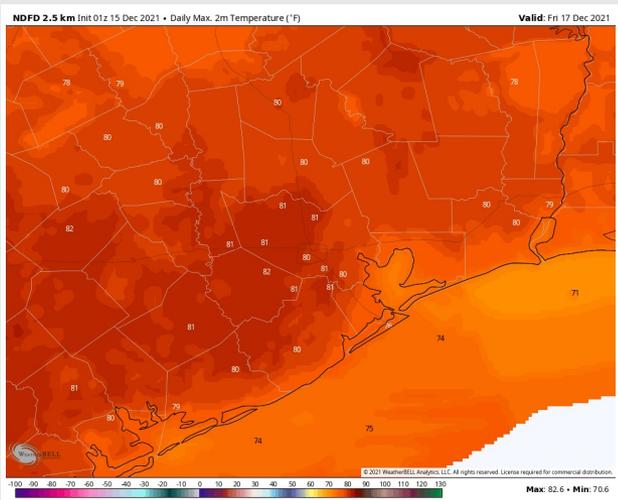
Precip Forecast: 12 PM CT



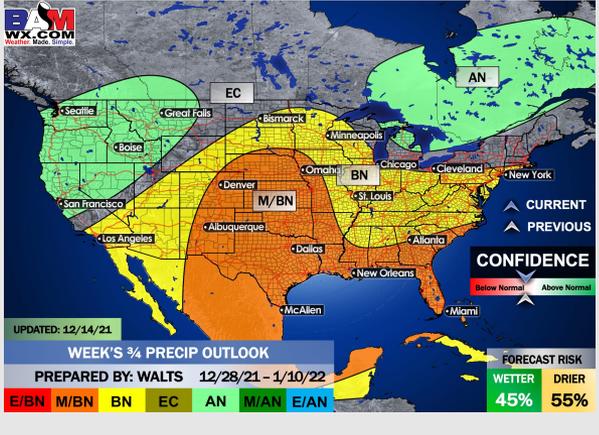
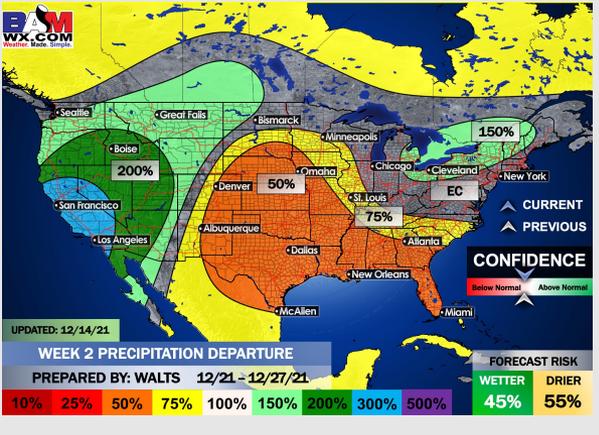
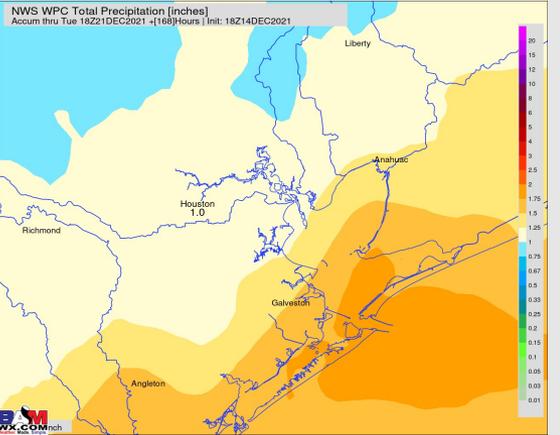
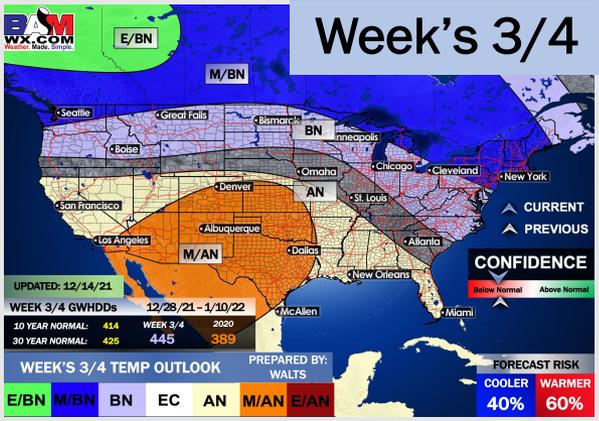
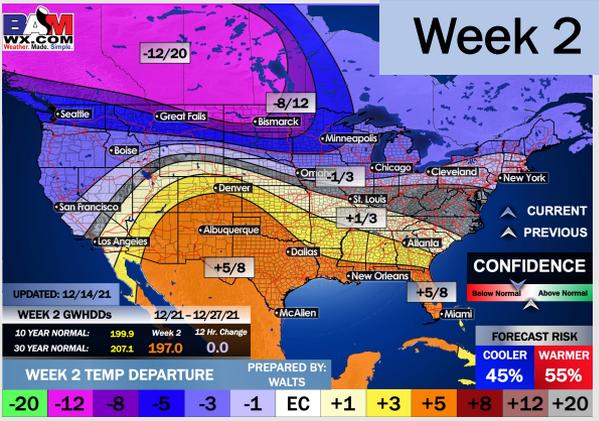
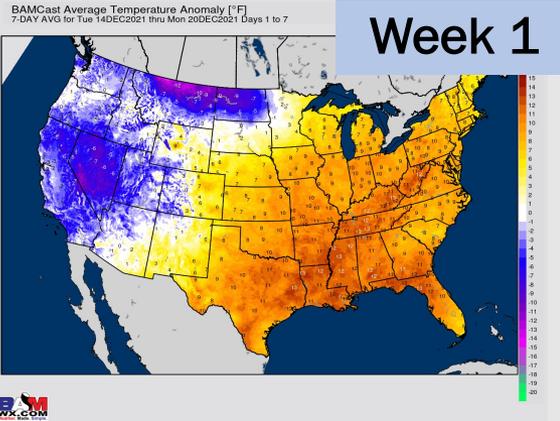
Wind Speed
4 PM CT



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.