

Houston Pilots Forecast Package



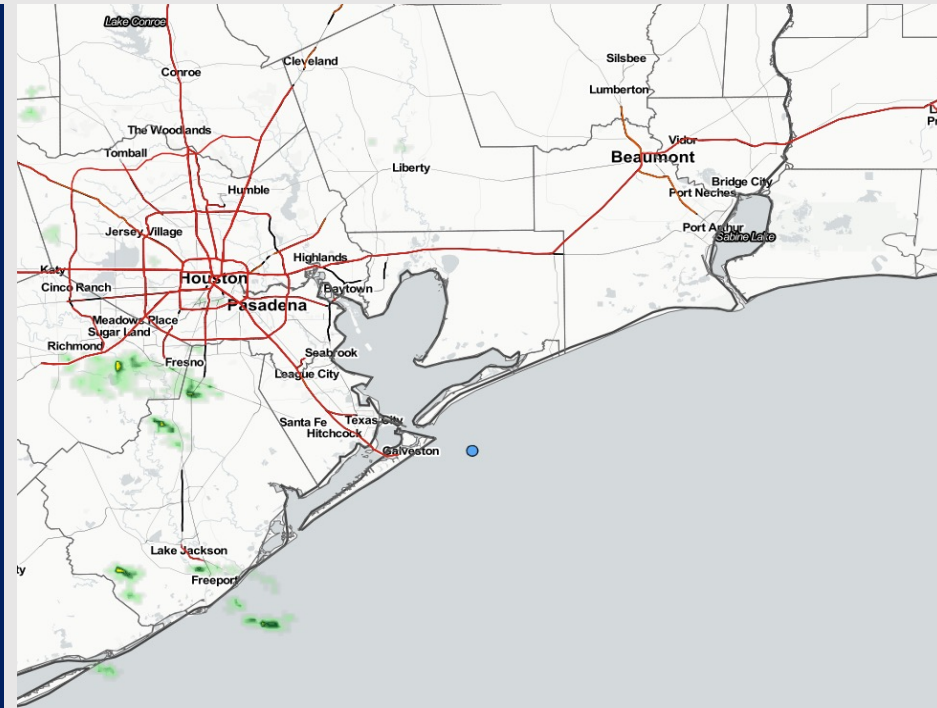
Updated: 3:15 PM CT

Monday, December 12, 2022

Forecaster: Will Danby

Weather Headlines

- A slight chance for sprinkles this afternoon. Increasing chances for showers and storms will exist for Tuesday and Wednesday thanks to a cold front expected to work through the area.
- Winds will be generally from the SE for today and tomorrow with a frontal passage shifting winds from the NW and keeping winds from the NW for awhile on Wednesday – Saturday.
Tuesday/Wednesday look to be a breezy days with wind gusts of 25 – 30 kts possible.
- **The front passing Wednesday AM will wipe out fog chances. Low to almost 0 fog threat for the back half of the week with NW winds.**



Radar/NWS Alerts: 3:00 PM CT

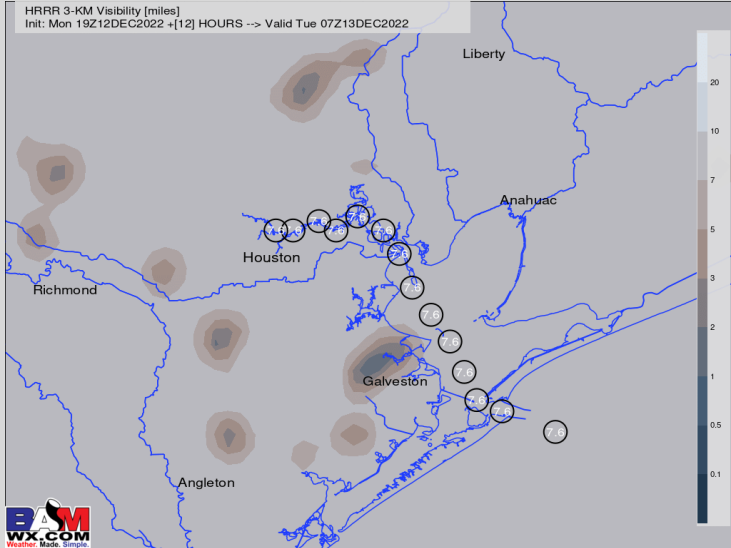


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

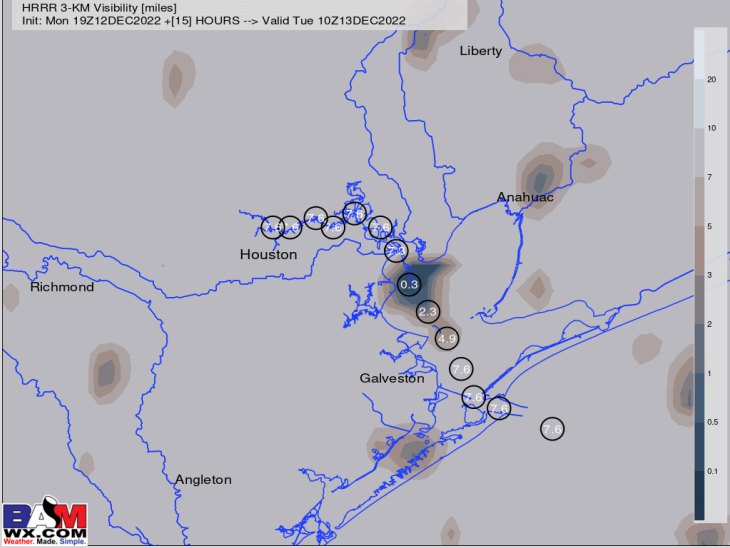
Houston Pilots Visibility Report



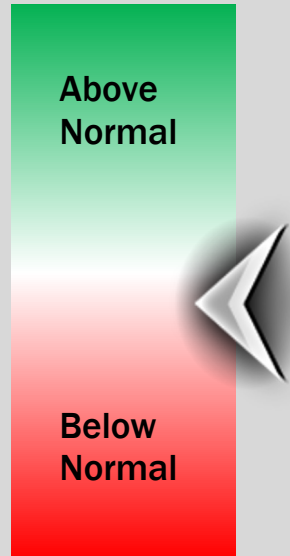
1 AM CT Visibility



5 AM Visibility



Confidence



Reduced Visibility Threat

10 PM MON – 9 AM TUE

Low

- Favoring the 10 PM timeframe for when some patchy fog can begin to fill in the area between Morgan's Point and 25/26. As with previous forecasts, the initialization time of fog could be delayed a couple hours to 12 AM, as lower confidence exists for the start time.
- Generally favoring more of a low cloud deck with misty conditions for the evening and overnight, especially north of Station 75/76. For the rest of the bay stations, misty conditions will persist with some patchy fog. Not anticipating visibilities to reach less than 3 miles here, but visibilities of 3 to 6 miles will be likely after 10 PM through 5 AM.
- At the Boarding station, patchy fog will also be likely starting at 11 PM and lasting until 7 AM. As with the other stations, not anticipating visibility to be less than 3 miles, as winds look to be a little too elevated for the overnight to allow for a dense fog setup.
- Around 7 AM the winds look to shift more southerly. When this happens, patchy fog will begin to breakup. Favoring the 7 - 9 AM timeframe for any lingering fog to dissipate.

Houston Pilots Extended Range Visibility Report



Thursday 12/15/22

Northwesterly dry air expected. No fog concerns.



Friday 12/16/22

Northwesterly winds in the AM are expected to shift from the NW by noon for Friday. No fog concerns here.



Saturday 12/17/22

Strong winds from the NE possibly in the low 10-15 kt range. No fog expected.



Chance for Reduced Visibility

Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely
Saturday AM	Unlikely
Saturday PM	Unlikely

Houston Pilots Visibility Report



Confidence

Above Normal

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Below Normal

Time	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	Wed 12am	Wed 1am			
610 Bridge	10	10	10	10	10	10	8	6	6	6	6	6	5	5	5	5	6	6	6	10	10	10	10	10	10	9	9	7	7	7	7	6	6	6	6	6	6		
Kinder 1	10	10	10	10	10	10	7	6	6	6	6	5	5	5	5	5	5	5	6	6	10	10	10	10	10	10	9	9	7	7	7	7	7	6	6	6	6	6	
Greens Bayou	10	10	10	10	9	10	7	6	6	6	6	5	5	5	5	5	7	6	7	10	10	10	10	10	10	9	9	7	7	7	7	7	7	7	6	6	6	6	
Shell Crude	10	10	10	10	9	10	8	7	7	7	7	6	6	5	5	5	7	7	7	10	10	10	10	10	10	9	9	7	8	8	8	8	7	7	6	6	6	6	
Lynchburg Ferries	10	10	10	10	9	10	8	7	7	7	7	6	6	5	5	5	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	7	6	6	6	5	
Exxon 3	10	10	10	10	10	10	10	8	9	9	9	7	9	7	6	6	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	7	6	6	6	5	
Morgans Point	10	10	10	10	10	10	10	8	9	9	9	7	9	7	7	7	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	7	6	6	6	5	
75/76	10	10	10	10	10	10	10	8	9	9	9	7	9	7	7	7	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	7	6	6	6	5	
63/64	10	10	10	10	10	10	10	8	9	9	9	7	9	7	7	7	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	6	6	6	6	5	
51/52	10	10	10	10	10	10	10	8	9	9	9	7	9	7	7	7	7	7	7	9	10	10	10	10	10	9	9	7	8	8	8	8	7	5	5	6	6	5	
37/38	10	10	10	10	10	10	10	8	9	9	9	7	9	7	7	7	7	7	7	9	10	10	10	10	10	8	9	7	8	8	8	8	7	6	6	7	7	7	
25/26	10	10	10	10	10	10	10	8	9	7	9	7	8	7	7	7	7	7	7	9	10	10	10	10	10	8	9	7	8	8	8	8	8	7	7	7	8	8	
11/12	10	10	10	10	10	10	8	8	9	7	9	7	7	7	7	7	7	7	7	7	10	10	10	10	9	7	8	7	8	8	8	8	8	7	8	8	8	8	
1 & 2 Bravo	10	10	10	10	10	10	8	8	7	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9	9	8	7	7	7	8	8	8	8	8	7	8	8	8	8

Please check visibility slides above for official thinking on fog as the chart isn't 100% perfect.

Houston Pilots: Mon. 12/12/2022



Forecast Discussion

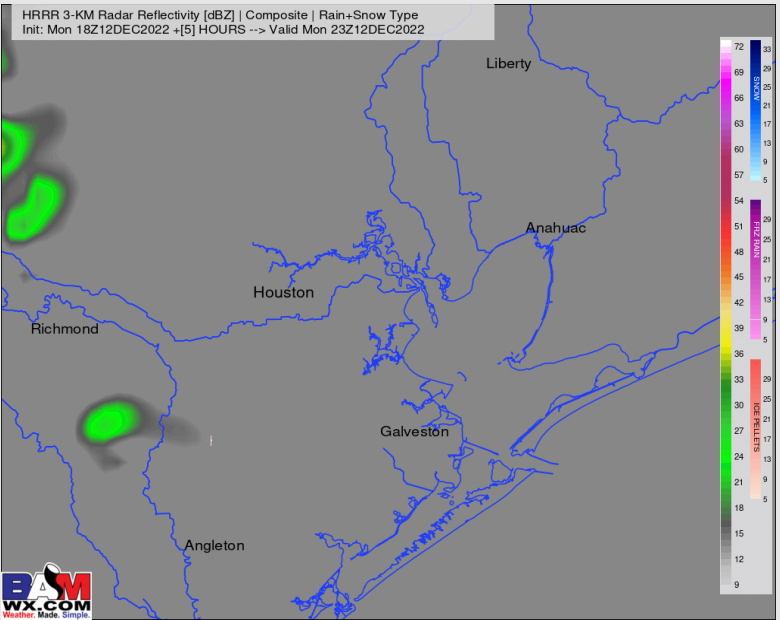
Precip: Anticipating dry conditions for the afternoon and evening, however a 10% chance for a pocket of drizzle will be possible N of Morgan's Point.

Wind: ESE winds for this afternoon and evening, shifting more SE around midnight. Winds N of Morgan's Point will be 8 – 12 kts, and S of Morgan's Point will be 12 – 17 kts. An occasional gust of up to 23 kts will be possible at the Boarding Station from 6 – 10 PM.

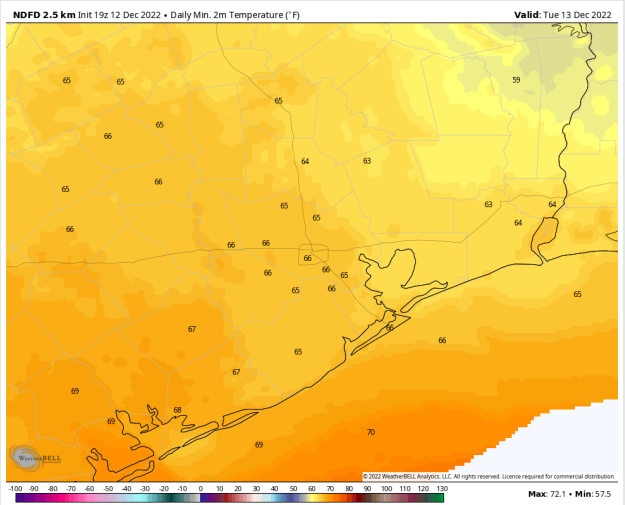
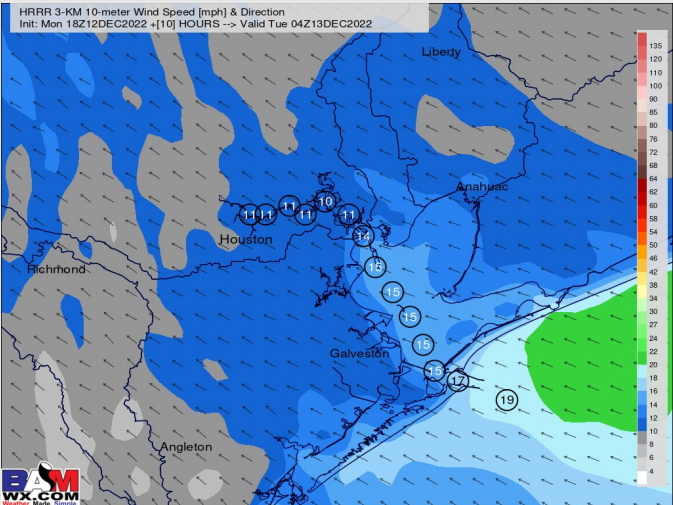
Temps: Low temperatures Tuesday morning will be in the mid 60s F across all stations.

Visibility: Check the slides above for the threat of reduced visibility this evening into tomorrow AM.

Precip Forecast: 5 PM CT



Wind Speed
10 PM CT



Low Temps
Tues AM

Houston Pilots: Tue. 12/13/2022



Forecast Discussion

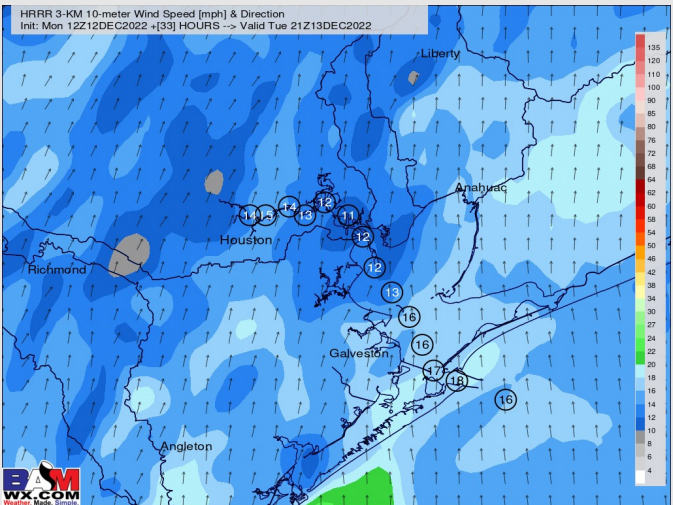
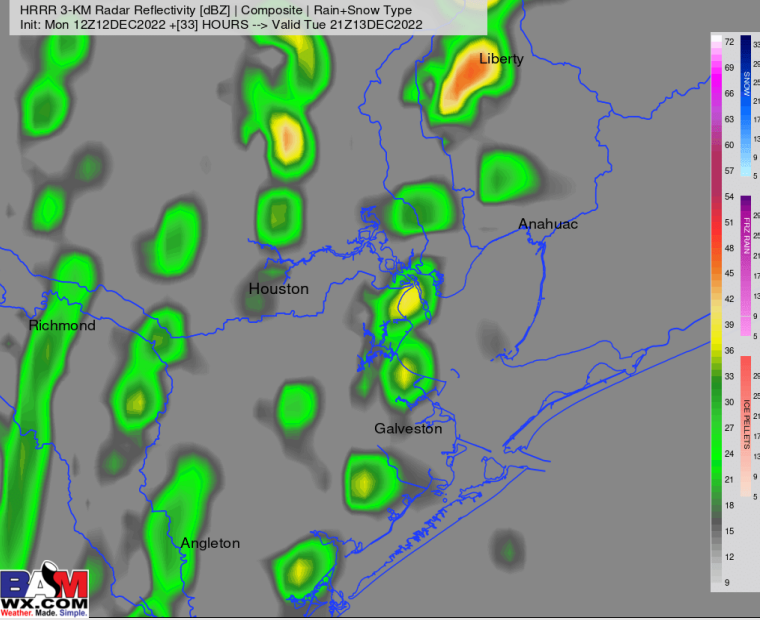
Precip: Favoring dry conditions for the early morning hours. At around 7 AM, very hit and miss rain showers will enter the region and last through mid-afternoon (40% chances). Increased chances for precipitation (showers and thunderstorms) happen between 4 – 11 PM. Spotty showers could linger through midnight as a cold front passes the area.

Wind: SSE winds in the morning and afternoon will be before shifting out of the SW after sundown. Winds will start out at 8 – 13 kts in the morning then increase to 14 – 17 kts by noon with gusts of 18 – 23 kts at the Boarding Station. Winds likely calm closer to midnight before the next front arrives early Wed AM.

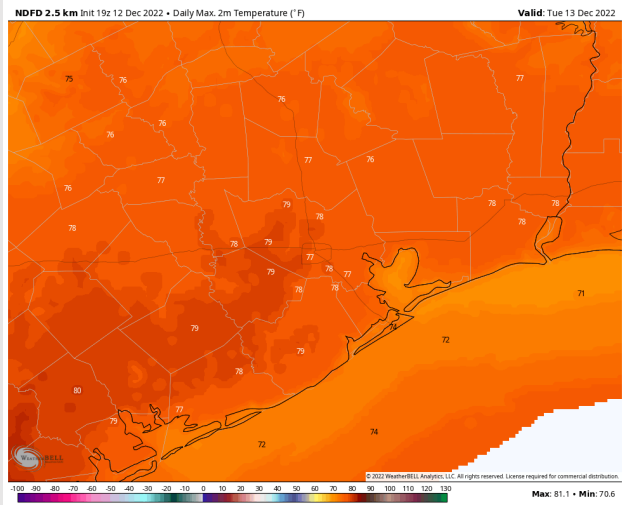
Temps: High temps Tuesday will be in the upper 70s F north of Morgan's Point and in the mid 70s F south of Morgan's Point.

Visibility: Certainly worth watching, but currently favoring winds to be just strong enough to limit fog potential.

Precip Forecast: 3 PM CT



Wind Speed
3 PM CT



High Temps
Tuesday

Houston Pilots: Weds. 12/14/2022



Forecast Discussion

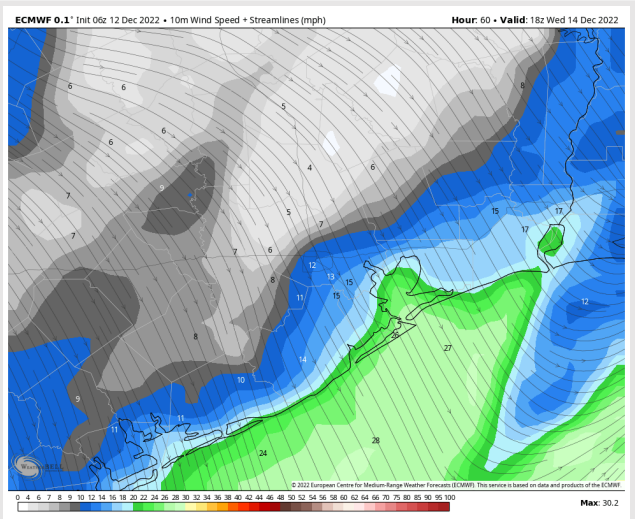
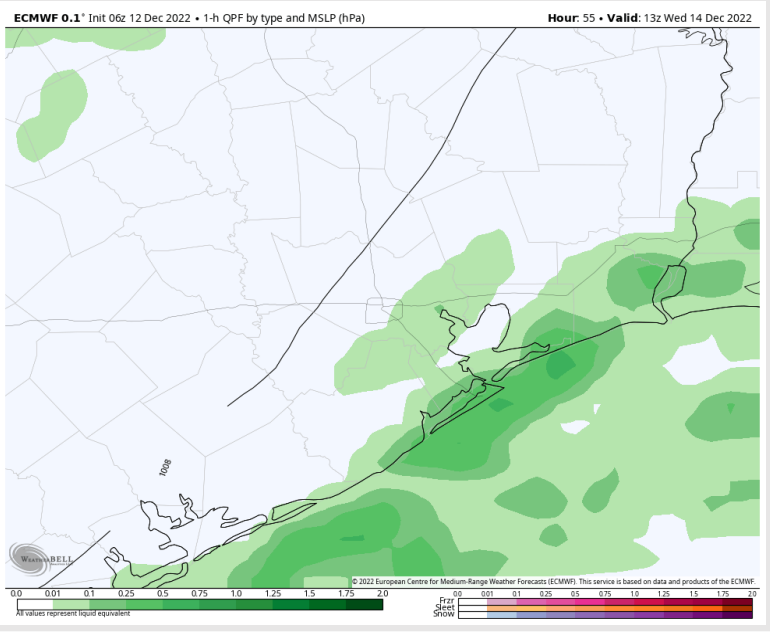
Precip: As a cold front passes the area in the 12-3 AM window Wednesday, showers and a few thunderstorms will be around the area. Lower confidence on exact specifics as data differs on how quickly the front can depart offshore, but hit and miss precip continuing into the afternoon and evening certainly looks possible at this distance. Would favor chances of 40% beyond 6 AM.

Wind: Variable wind direction in the early morning hours from 12 AM - 7 AM will favor a NW wind by 10 AM and remain as such for the rest of the day. Winds north of the Boarding Station will start out at 4 - 7 kts, while the Boarding Station will be around 9 - 12 kts. By 10 AM winds will pickup across all stations to 11 - 14 kts N of Morgan's point and 18 - 24 kts S of Morgan's Point. After 4 PM winds will calm to 3 - 6 kts N of Morgan's Point for the rest of the day, and 8 - 14 kts S of Morgan's point for the rest of the day. **Wind gusts 11AM - 2 PM will be around 25 - 30 kts for a brief period across all stations. After 12 PM, Gusts can be as high as 32 kts S of Morgan's Point. After 3 PM expecting gusty winds to subside, with pockets of up to 20 kts still possible at the Boarding Station.**

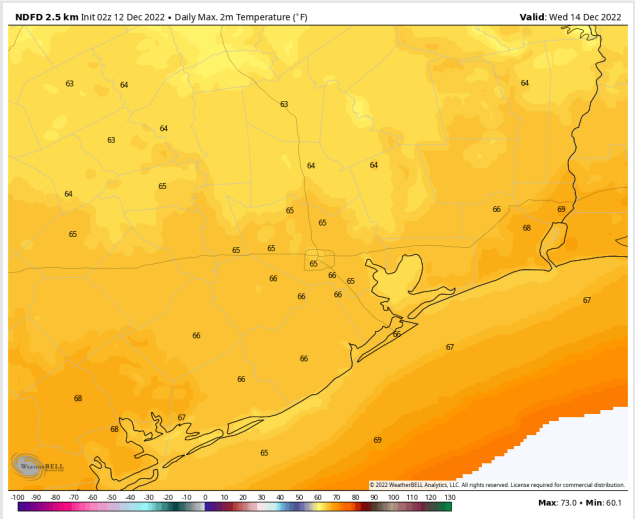
Temps: Much cooler. High temps Wednesday will be in the mid 60s F across all stations.

Visibility: Not anticipating any fog concerns once the front passes. However, heavier thunderstorms could reduce visibilities to less than 2 miles for brief periods mainly at the Boarding Station.

Precip Forecast: 7 AM CT



Wind Speed
12 PM CT

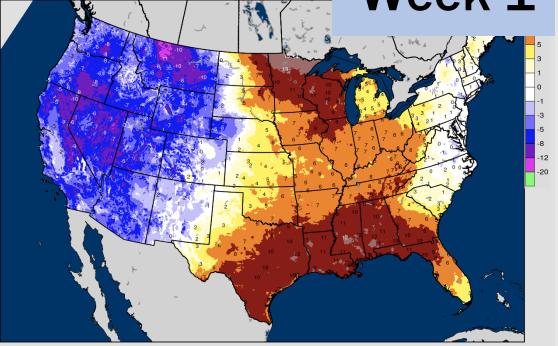


High Temps
Wednesday

Houston Pilots: 12/12/22

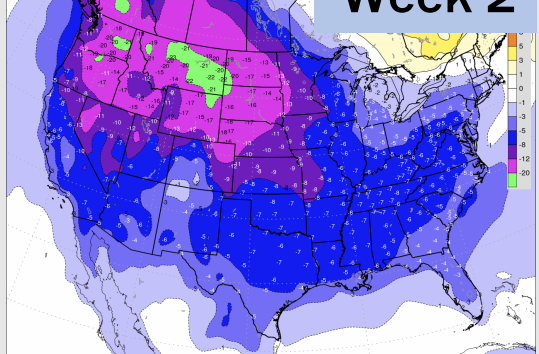
BAMcast Average Temperature Anomaly [°F]
7-DAY AVG for Fri 09DEC2022 thru Thu 15DEC2022 Days 1 to 7

Week 1



BAM EPS-GEFS 7-Day Average | 2-meter Temperature Anomaly [°F]
Init: Fri 0209DEC2022 - (336) HOURS -> Valid Fri 0223DEC2022

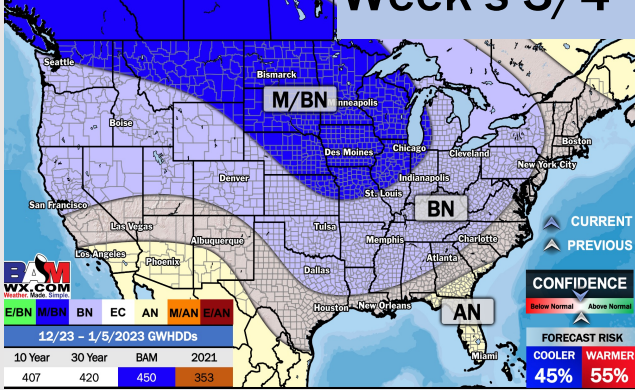
Week 2



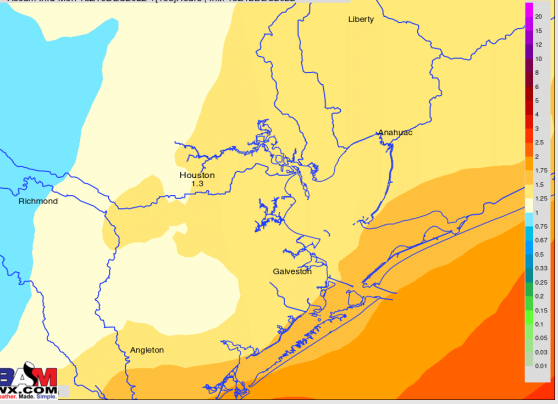
This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

UPDATED: 12/9/22

Week's 3/4

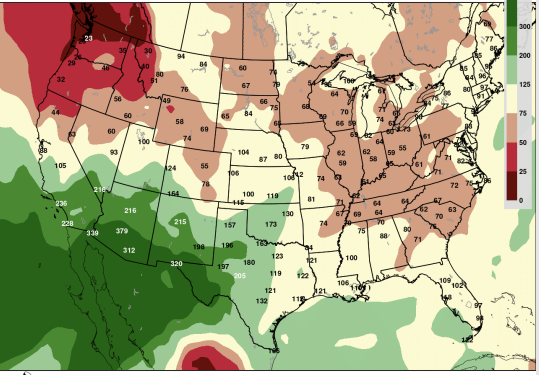


NWS WPC Total Precipitation [inches]
Accum thru Mon 18Z19DEC2022 - (1168) Hours | Init: 18Z12DEC2022



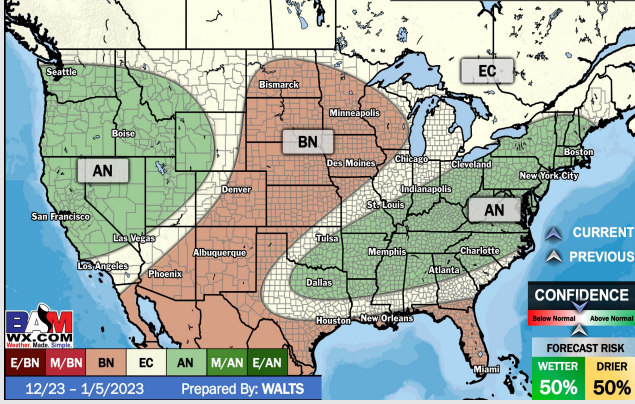
BAM EPS-GEFS-GEPS Precipitation Anomaly [%]
7-Day Anomaly -> Valid Fri 23DEC2022 - (114) Days | Init: 0209DEC2022

Max: 1318%



UPDATED: 12/9/22

WEEK'S 3/4 PRECIP DEPARTURE



- Minor, hit and miss light rain chances will be possible this evening with better rain chances moving in Tuesday and Wednesday. Anticipating temps staying above average.
- Week 2 is expected to be below normal for temperatures and near normal for rain chances for mid December.
- The weeks 3/4 timeframe looks to feature below normal temperatures and equal chances to below normal for precipitation.