

Houston Pilots Forecast Package



Updated: 5:00 AM CT

Tuesday, February 7, 2023

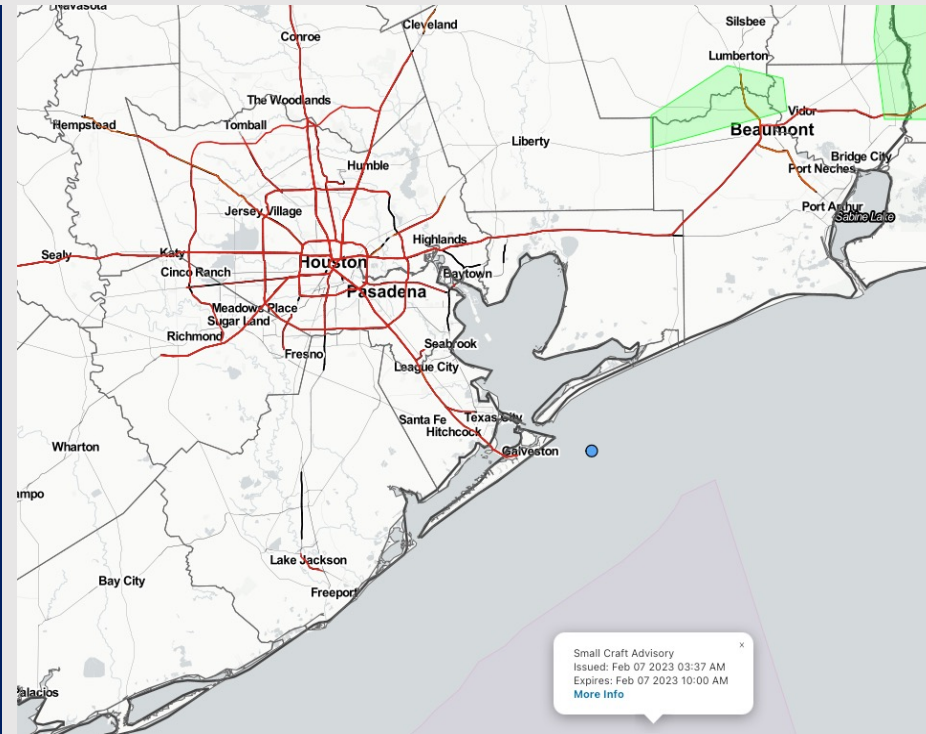
Forecaster: Vince Bryan

Weather Headlines

➤ Check the visibility slides below for initial thinking of a tricky forecast regarding exact fog details. The general fog threat would be present through late Wednesday afternoon. A cold front will pass the area during the late PM hours wiping out sea fog.

➤ Spotty showers will be possible throughout the day today with showers and thunderstorms in the picture again for Wednesday, mainly in the afternoon. Thursday will be a dry day.

➤ Elevated winds will be at play over the next 48 hours with sustained winds in the 10 – 15 –kt range with persistent wind gust threats at 22 – 25 kts. Thursday will hold near calm winds before another front passes late THU/ early FRI.



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.

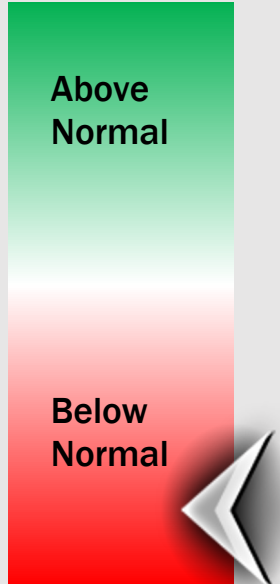
Houston Pilots Visibility Report



VISIBILITY

Confidence

No model data shows this threat on a future visibility image



TIMEFRAME DISCUSSED	THREAT
CURRENT- 12 AM Wed	Low - Medium

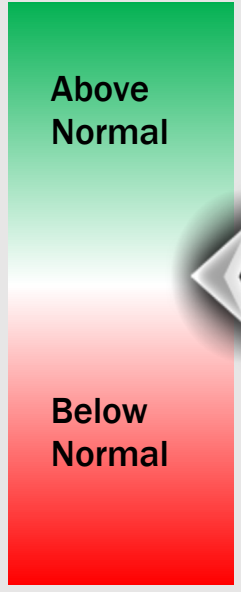
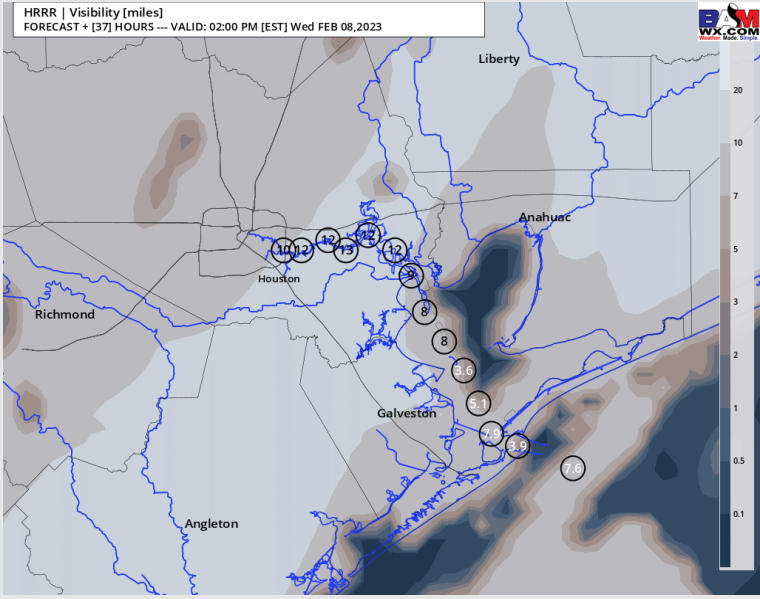
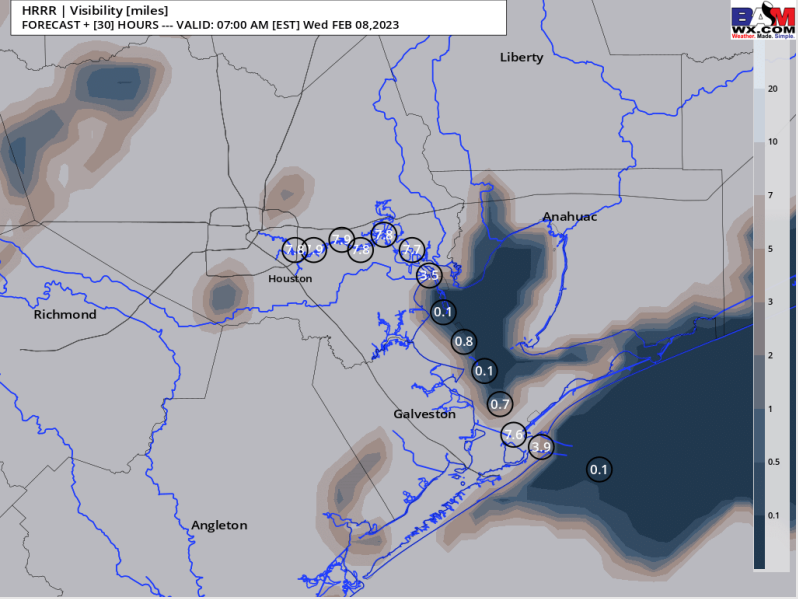
- While any fog development has been quite limited to this point in the morning, we will continue the mention of something patchy possible through the 9 AM timeframe.
- Confidence will likely to continue to remain low on specifics through today as guidance continues to struggle with handling temperatures over water across the area.
- Working past the mid - late AM hours, concerns are rather low of any fog working into the picture for the early PM. An isolated instance of reduced visibility is not 100% impossible starting near sundown, however this threat appears low for now.
- The better opportunity for fog development comes starting 11P Tue - 12A Wed and then continues through the early morning hours of Wed (next slide).

Houston Pilots Visibility Report



6 AM CT WED VISIBILITY 1 PM CT WED VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
1 AM WED- 7 PM WED	Medium

- As mentioned on the previous slide, the overnight hours Tuesday night into early Wednesday look to hold a slightly better threat for fog.
- This risk lingers through most of the morning hours. Dense fog at times will be on the table of <2 mile visibility esp. S of Morgan’s Point. All stations however will be at risk. Confidence of seeing fog early Wednesday AM is slightly higher as moisture does not look to be as much of a concern.
- It is not likely that any one particular station will be caught under prolonged periods of dense fog (<2 mile vis). Patches and breaks in coverage are likely from time to time, especially late AM.
- Reduced visibility via 2-4 mile range and thunderstorms will be possible through the PM hours (esp. after 1 PM) before the front sweeps out visibility concerns around ~6-7 PM Wednesday.

Houston Pilots Extended Range Visibility Report



Friday 2/10/23

Sustained winds will be from the NW on Friday in the 10-20 kt range making fog potentials highly unlikely.



Sunday 2/12/23

Southerly to southeasterly winds in the 10 - 15 kt range will be possible. As such, sea fog may be possible towards the late evening hours Sunday.



Saturday 2/11/23

Northwesterly winds will continue for Saturday, albeit calmer than Friday's winds. Winds will begin to veer from the west and southwest towards the early PM hours.



Chance for Reduced Visibility

Friday AM	Unlikely
Friday PM	Unlikely
Saturday AM	Unlikely
Saturday PM	Unlikely
Sunday AM	Unlikely
Sunday PM	Possible

Houston Pilots Visibility Report



Time	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	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	7	7	6	6	6	5	4	4	2	1	2	4	5	6	6
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	7	7	6	6	6	5	4	4	3	2	4	5	7	8	7
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	7	7	6	6	7	5	4	4	4	5	6	7	8	9	7
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	6	6	6	7	4	4	4	4	8	9	9	9	9	7
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	6	6	6	7	4	4	4	4	8	9	9	9	9	7
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	6	6	6	7	4	4	4	4	8	9	9	9	9	7
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	7	7	7	7	4	4	4	4	8	9	9	9	9	9
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63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	6	6	6	6	4	4	4	4	8	9	9	9	9	9
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1 & 2 Bravo	10	10	10	10	10	10	8	9	10	10	10	10	10	10	10	9	8	8	8	8	5	8	5	4	3	3	3	3	3	3	2	8	7	7	7	7

Refer to the slides above for the official BAM forecast. The chart is likely not 100% accurate with fog.

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	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	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm		
610 Bridge	5	4	4	7	5	5	6	9	10	10	11	12	13	11	10	13	13	13	13	14	14	13	13	13	13	13	14	13	14	13	14	12	13	12	12	12	11	
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Shell Crude	5	5	6	6	5	4	5	7	7	9	10	12	11	11	10	13	13	13	12	13	13	13	13	13	12	12	12	13	12	13	12	12	12	12	11	11		
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Houston Pilots: Tue. 2/7/2023



Forecast Discussion

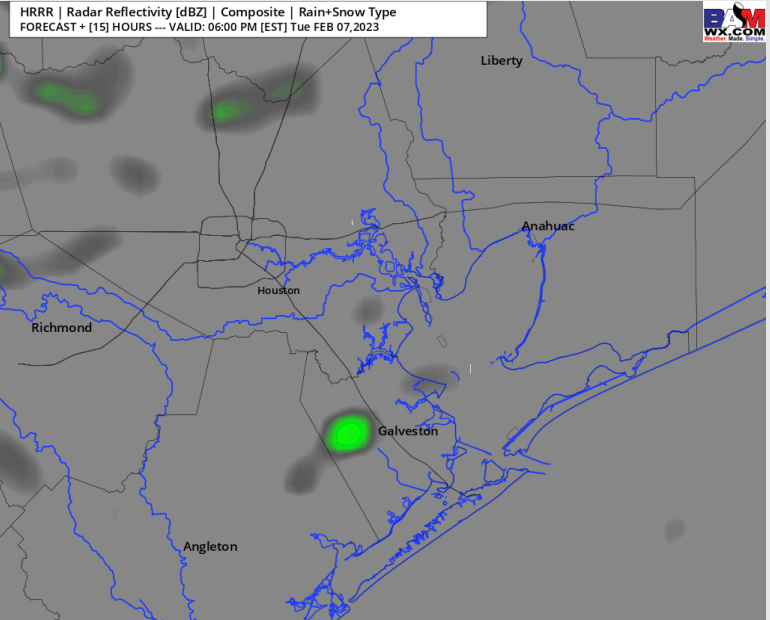
Precip: Anticipating dry conditions until 9 AM with a 20% chance of light showers slowly working their way into the picture through the rest of the day. After 5 PM shower chances will increase slightly to 30%. Plenty of dry time will be found today.

Wind: Sustained winds will continue from the SE. Winds north of Morgan's Point will be 8 - 13 kts, and south of Morgan's point will be 13 - 18 kts. Occasional wind gusts of 18-23 kts will be possible at the boarding station.

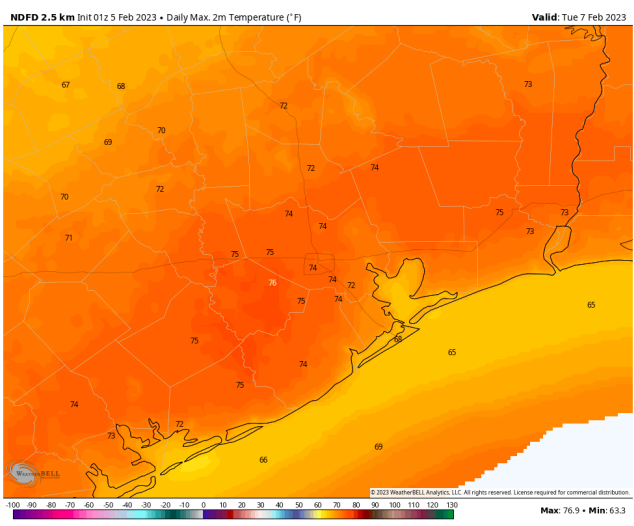
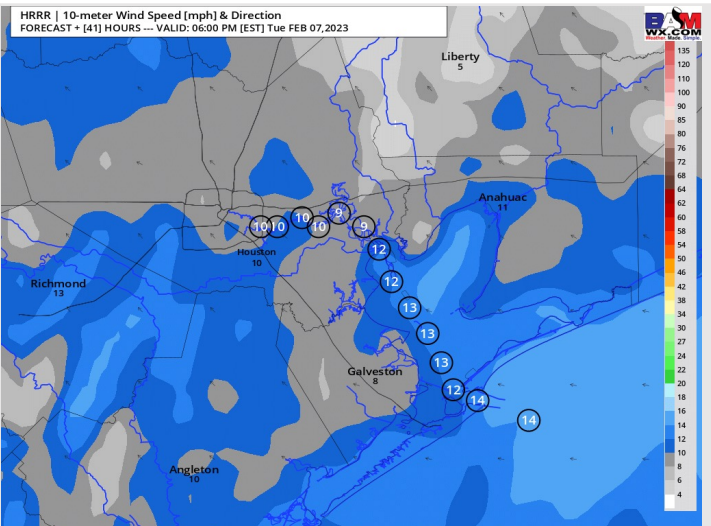
Temps: High temperatures will be in the mid to lower 70s F north of Morgan's Point and in the mid to upper 60s F south of Morgan's Point.

Visibility: Refer to the text slides above for the latest thinking on fog risks over the next 24-36 hours.

Precip Forecast: 5 PM CT



Wind Speed
5 PM CT



High Temps
Today

Houston Pilots: Wed. 2/8/2023



Forecast Discussion

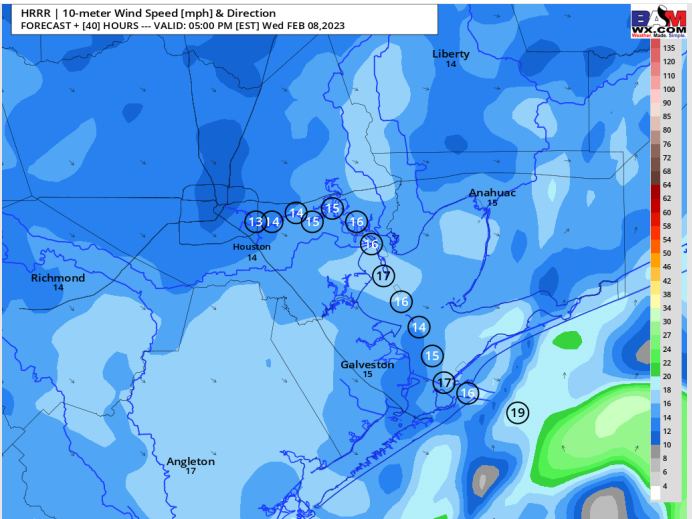
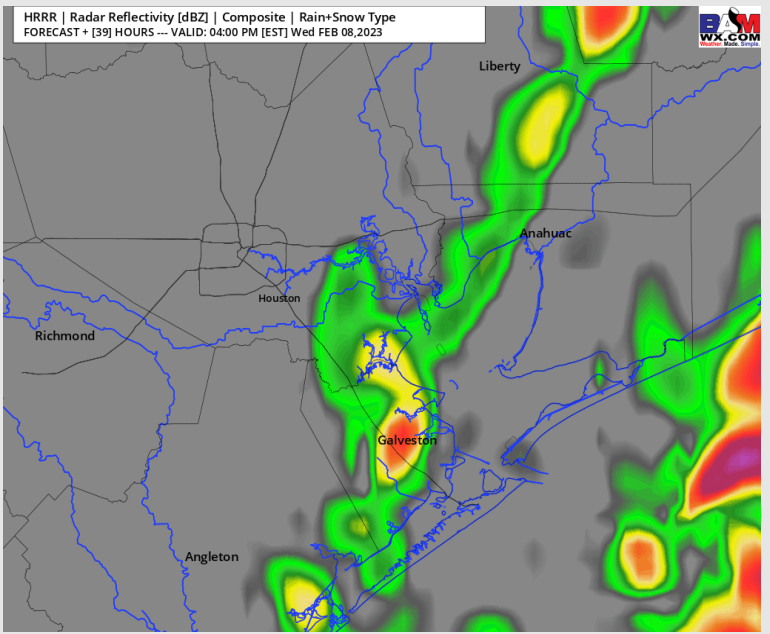
Precip: A few light *scattered* showers will be around for the AM hours (~30%) with better rain chances coming at 3 PM – 6 PM (70%). In this period, a few strong to severe storms cannot be taken off the table. This does not look to be a widespread threat, but something that certainly needs watched for gust potential of 30+ knots under the heaviest of cells. After 8 PM favoring dry conditions for the rest of the evening.

Wind: Sustained winds will start out from the SE during the AM hours, then begin to veer more from the south around 2 PM out ahead of the next cold front. After the front passes through around ~6 PM, winds will flip from the NW. Winds across all stations will be around 10 – 15 kts. After the front pushes through, winds will begin to slowly calm from 6 PM to 12 AM to 4 – 7 kts north of Morgan’s Point and 8 – 13 kts south of Morgan’s point by 10 PM. **Wind gusts of 20-30 kts ahead of the front at 11 AM – 4 PM possible for all stations. These gusts would be found inside any stronger cells.**

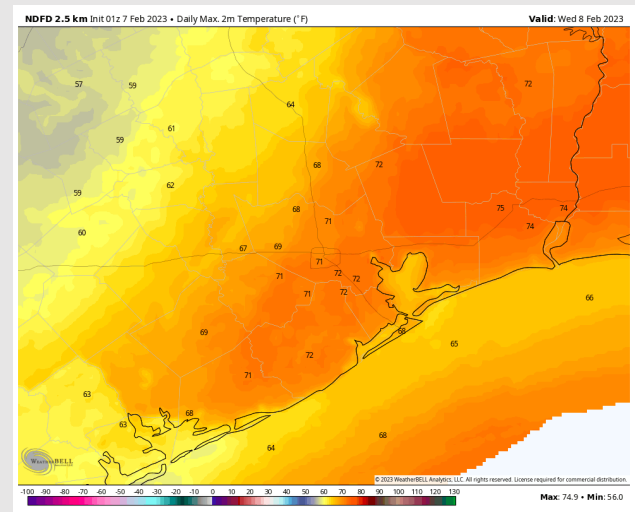
Temps: High temperatures Wednesday will be in the lower 70s F north of Morgan’s Point and in the mid to upper 60s F south of Morgan’s Point .

Visibility: Patchy dense fog will be possible during the AM/ early PM. As the cold front pushes through, visibilities improve late Wed PM. Refer to the fog text slides above for more info.

Precip Forecast: 4 PM CT



Wind Speed
4 PM CT



High Temps
Wednesday

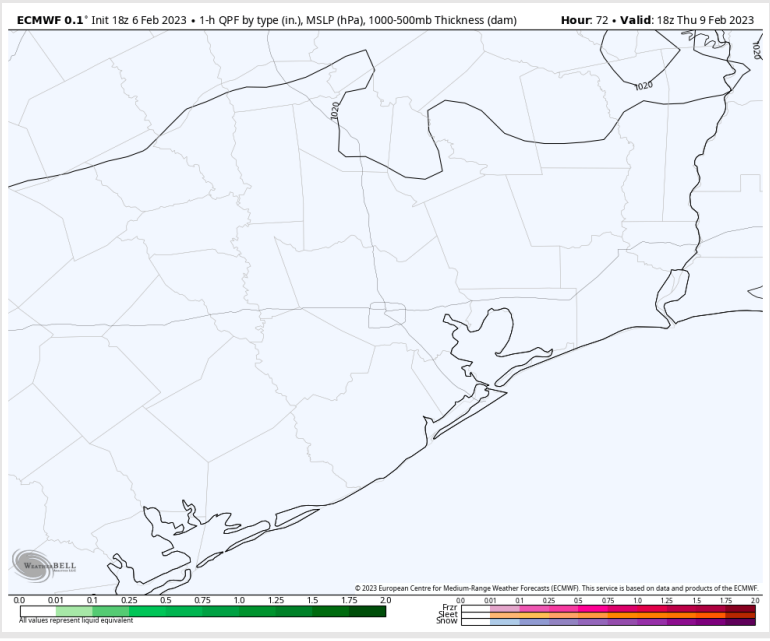
Houston Pilots: Thur. 2/9/2023



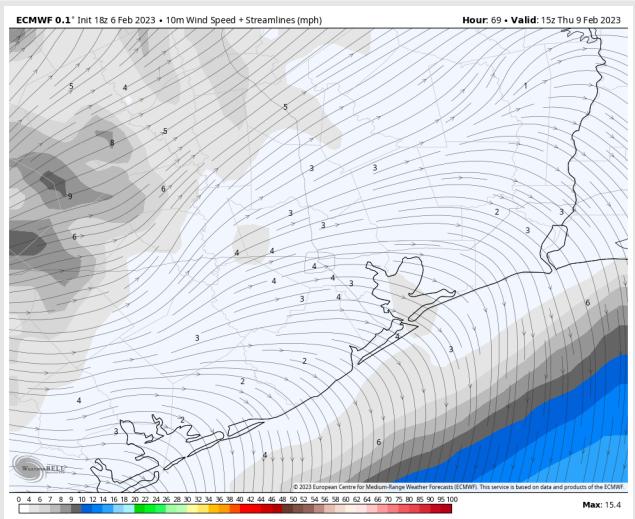
Forecast Discussion

- Precip:** Anticipating dry conditions for Thursday
- Wind:** Winds will be subsiding during the early AM hours behind the exiting cold front to 2– 7 kts across all stations by 6 AM. Winds will then remain at such values for the entire day. Winds will be variable in direction, with the main directions being out of the W / NW.
- Temps:** High temperatures will be in the upper 60s F north of Morgan’s Point and in the mid 60s south of Morgan’s Point. Temps near the Boarding Station will be near 60.
- Visibility:** Not anticipating any visibility concerns at this time.

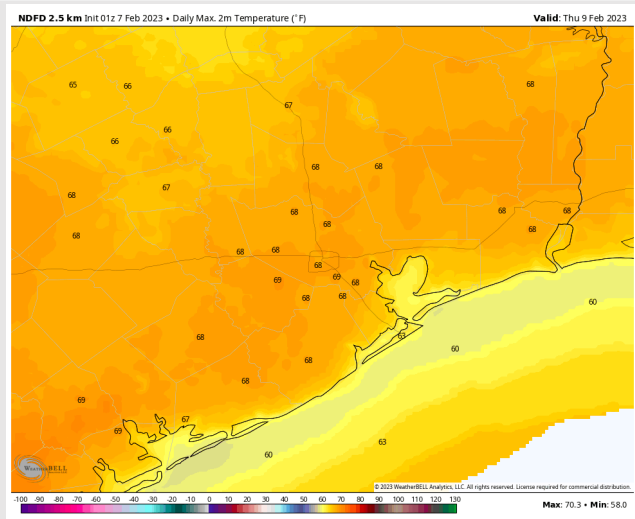
Precip Forecast: 12 PM CT



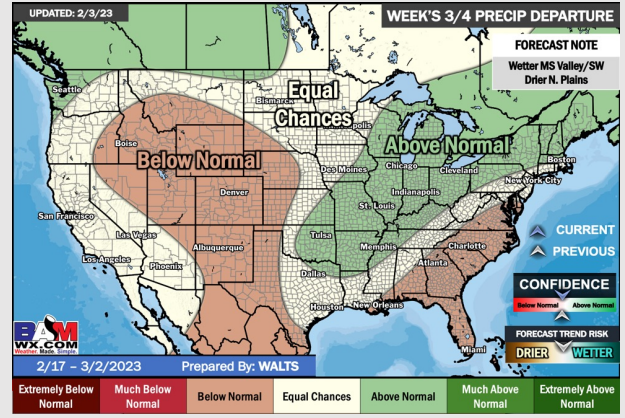
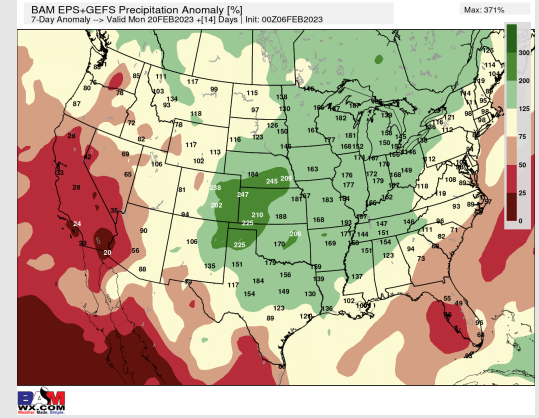
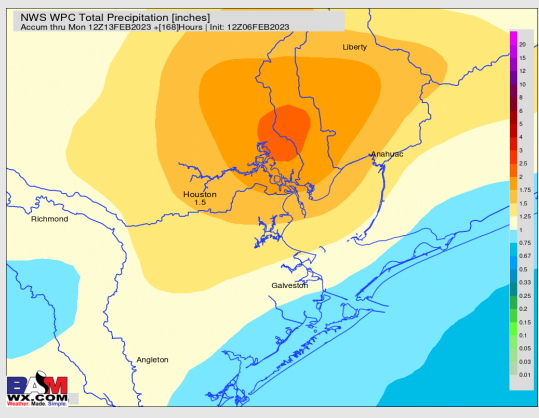
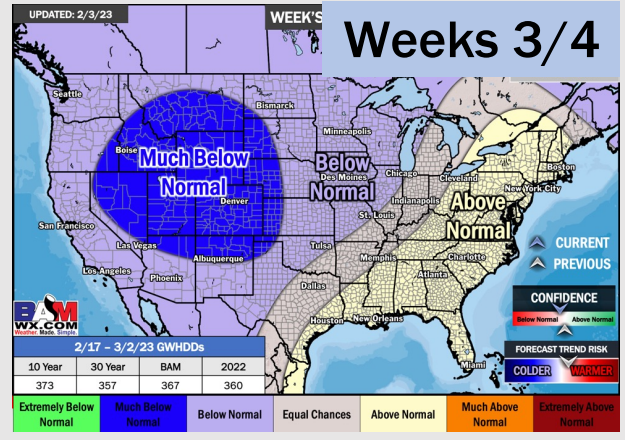
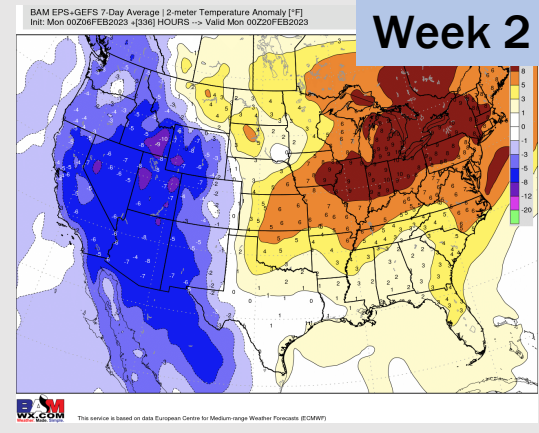
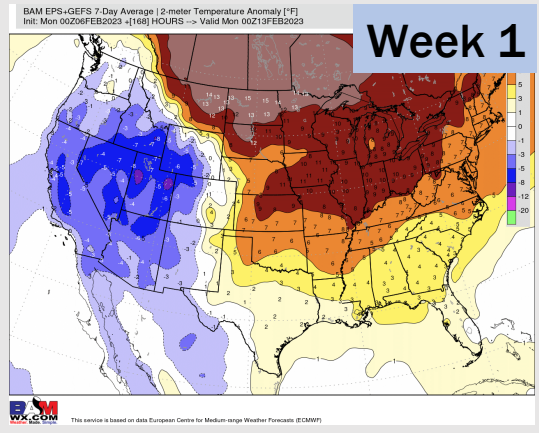
Wind Speed
10 AM CT



High Temps
Thursday



Houston Pilots: 2/7/23



- Wednesday will be the best shots at precip over the next several days (next best chance coming early next week). Temps stay above average.
- Expecting near normal precipitation chances and normal temperatures for the week 2 timeframe.
- Equal chances for precipitation and above normal temperatures favored in the week 3/4 timeframe.