

Houston Pilots Forecast Package



Updated: 5:00 AM CT

Tuesday, January 17, 2023

Forecaster: Vince Bryan

Weather Headlines

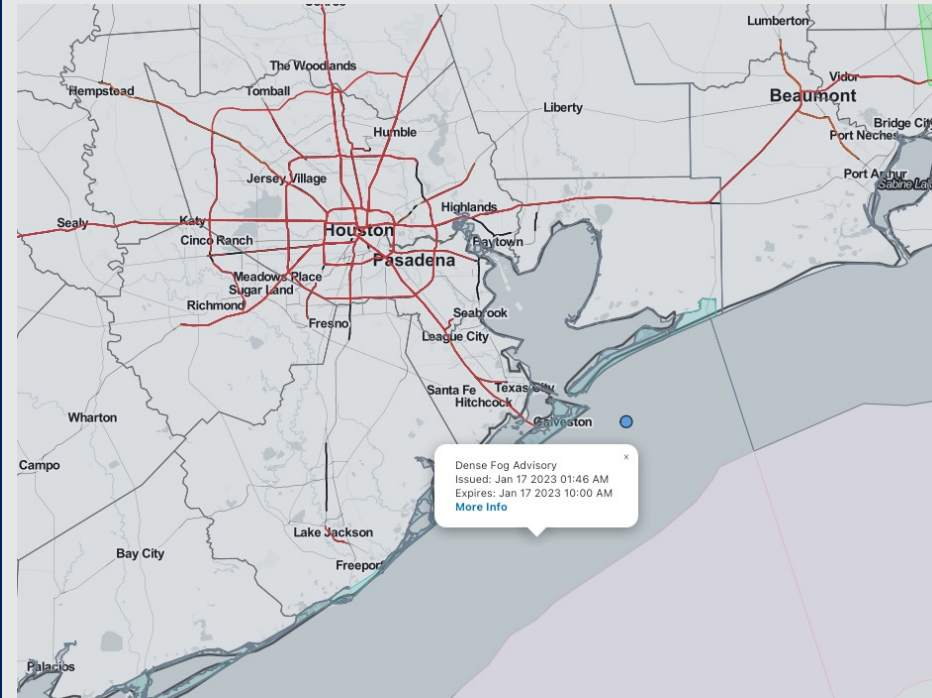
➤ Ongoing fog around the area will be a concern today as winds continue from the south. More on the slides below.

➤ Fog will be a risk until Wednesday PM when a front works through the area and turns winds out of the NW

➤ Eyeing the next higher % rain chances to come on Wednesday out ahead of a cold front. Thursday will be another dry day.

➤ Looking at elevated winds on Wednesday with the risk of the Boarding Station seeing gusts 20+ knots ahead of the cold front. Today and Thursday will have calmer winds.

➤ After the cold front passes through Wednesday PM, sea fog should not be an issue through Sunday.



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.

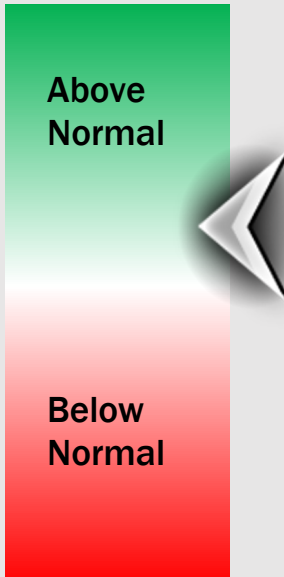
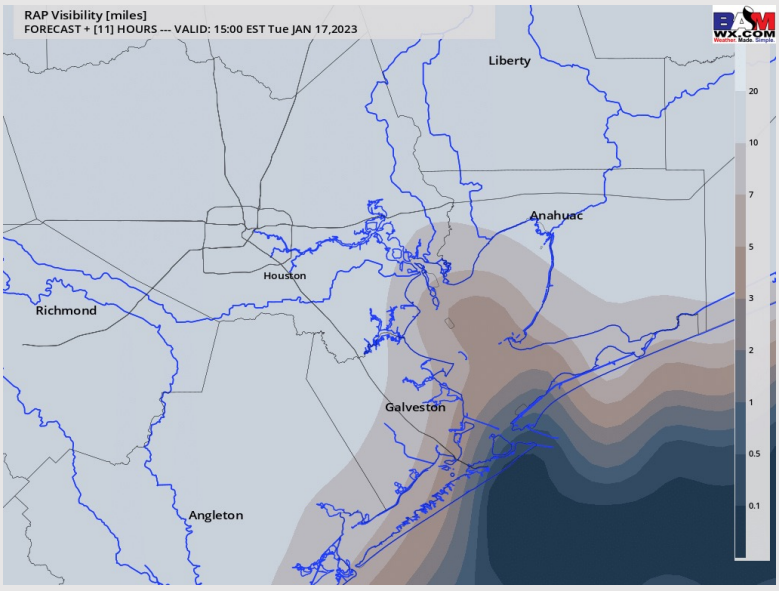
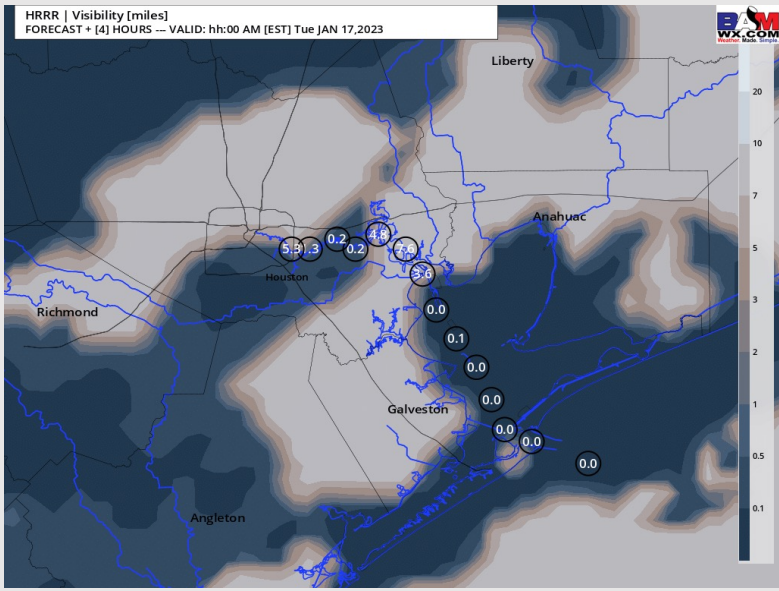
Houston Pilots Visibility Report



9 AM CT TUE VISIBILITY

12 PM CT TUE VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 5 PM TUE	Medium - High

- Expecting widespread areas of visibility less than 3-4 miles to be ongoing until 9 AM across all stations. Pockets of dense fog with reduced visibilities <2 miles will continue to be possible at all stations as well (best risks coming near 11/12 & Boarding Station)
- Best locations to see any reduced visibility lift first would be north of Morgan's Point, and that likely happens between 9-11 AM.
- The rest of the stations likely see visibilities <3 miles through 10A - 12 P today. This is when we expect visibility issues to become a bit more scattered.
- Lower confidence into the afternoon, but we believe there can still be scattered areas of reduced visibility (via low clouds and/or fog) possible, especially for stations south of 51/52 after 12 PM. This is not expected to be a widespread concern.

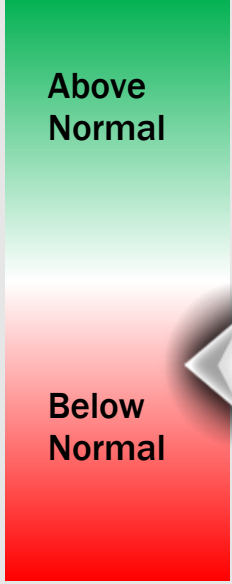
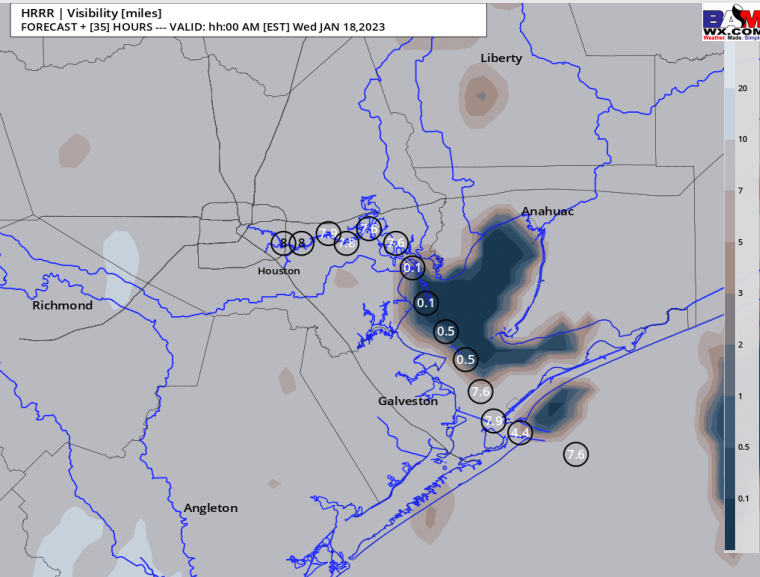
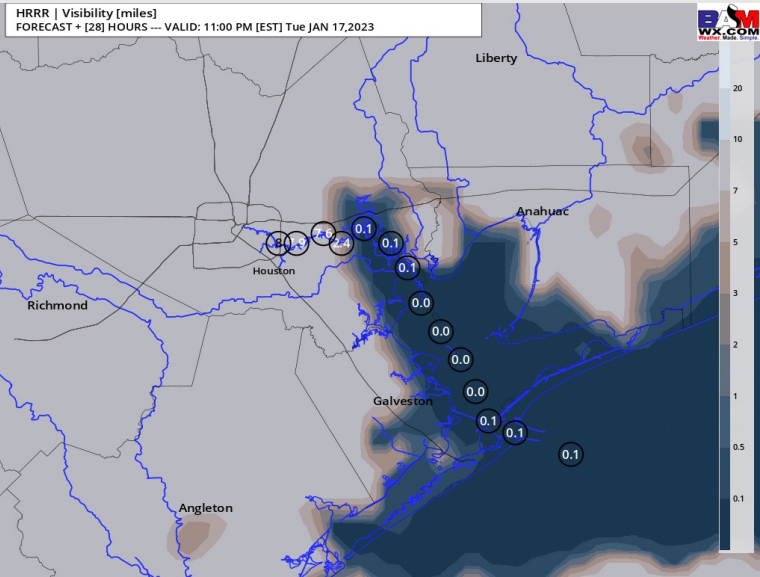
Houston Pilots Visibility Report



10 PM TUE VISIBILITY

5 AM WED VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
6 PM TUE – 2 PM WED	Medium

- As discussed in the previous visibility slide, the southern stations are at risk of visibility in 1 – 4-mile range at times throughout the afternoon today.
- By 10 PM, favoring patchy fog to be possible across all stations South of Morgan's point with visibility of less than 3 miles.
- Into early Wednesday morning, there is a bit better potential for breaks/gaps in the fog vs. this AM. Slightly stronger winds may help keep things a bit more on the patchy side vs widespread.
- Between 1 AM – 5 AM fog could become more patchy in nature with pockets of visibility improving to up to 6 miles.
- Pockets of lower visibility (2-4 miles) will continue to be possible until ~2 PM when the front passes the area. Visibilities will not be a concern after that.

Houston Pilots Extended Range Visibility Report



Friday 1/20/23

Fog is not expected for Friday. Winds will shift from the NE to ENE.



Saturday 1/21/23

Easterly winds will continue for Saturday, with the possibility of them shifting from the N by the afternoon. Visibility reduction could be possible due to moderate rain but not fog.



Sunday 1/22/23

Northerly to northwesterly winds favored for Sunday.



Chance for Reduced Visibility

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

Houston Pilots Wind Report



Confidence



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	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	Wed 2pm						
610 Bridge	3	3	4	4	3	3	5	6	7	5	6	7	9	9	8	9	9	9	9	9	9	9	9	9	10	11	13	14	16	15	15	16	16	15	15	16	15	14	12			
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Kinder 1	3	3	3	4	3	3	5	6	7	5	5	6	7	9	9	8	8	9	9	9	9	9	9	9	10	11	13	14	15	15	15	16	16	15	14	12	12					
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Greens Bayou	3	3	3	4	4	3	5	6	7	6	5	6	7	9	9	8	8	9	9	9	9	9	9	9	9	10	11	13	14	14	15	15	15	16	16	15	14	12	12			
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Shell Crude	3	3	2	4	4	3	5	6	7	6	5	7	8	9	9	8	8	9	9	9	9	9	9	9	9	10	11	12	13	13	14	14	15	16	16	15	14	12	12			
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Lynchburg Ferries	3	3	2	3	4	3	5	6	6	5	5	7	8	9	9	9	9	9	9	9	9	9	9	9	9	10	11	12	12	13	13	14	14	15	16	15	14	12	12			
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Exxon 3	3	3	2	3	4	3	4	5	5	5	6	8	9	9	9	9	9	9	9	9	9	9	9	9	9	10	11	11	12	12	12	12	12	13	15	14	13	12	12			
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Morgans Point	3	3	3	2	3	2	3	4	4	6	7	8	9	9	10	10	9	10	9	9	9	9	9	9	9	9	11	11	12	12	12	12	12	13	14	14	13	12	12			
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Forecast Discussion

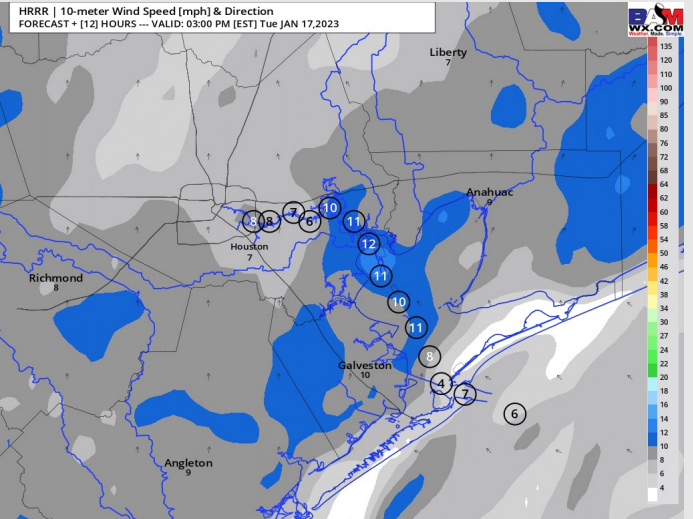
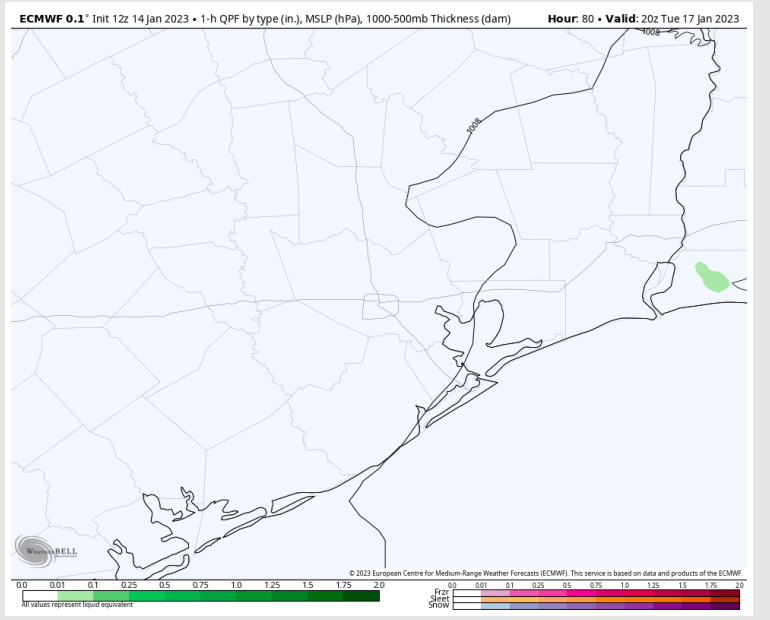
Precip: Favoring dry conditions today with a 10% chance for an isolated shower in the late afternoon/early evening hours.

Wind: SW winds in the AM hours and early afternoon will shift from the SE by 5 PM and remain as such for the evening. Winds north of Morgan's point will be 3 – 8 kts and south of Morgan's Point will be 5-10 kts. From 11 AM – 6 PM winds will be at 3 – 8 kts across all stations before picking back up again at 5 - 10 kts south of Morgan's Point.

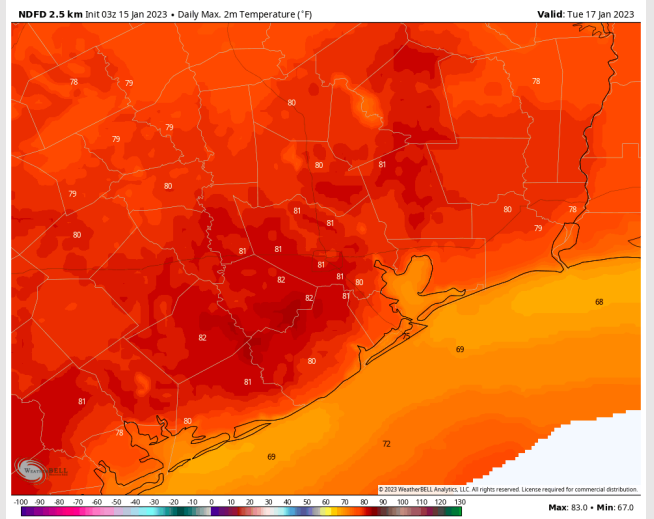
Temps: Unseasonably warm today with temperatures near 80 F north of Morgan's Point and in the lower 70s F south of Morgan's Point.

Visibility: Check fog slides above for the latest thinking on fog today.

Precip Forecast: 2 PM CT



Wind Speed
2 PM CT



High Temps
Today

Houston Pilots: Wed. 1/18/2023



Forecast Discussion

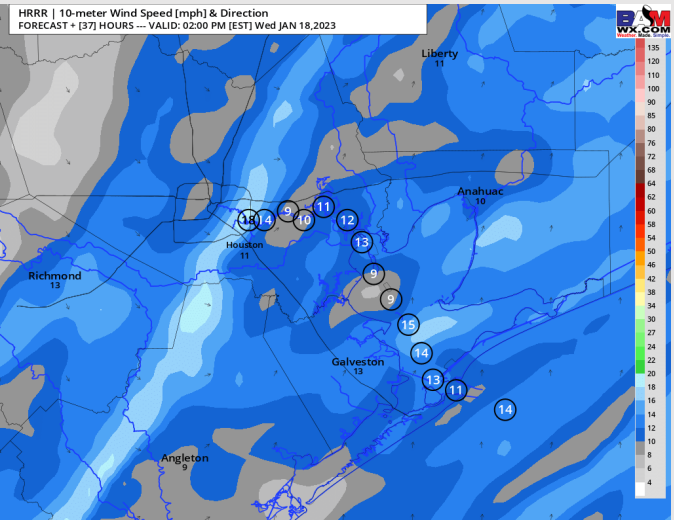
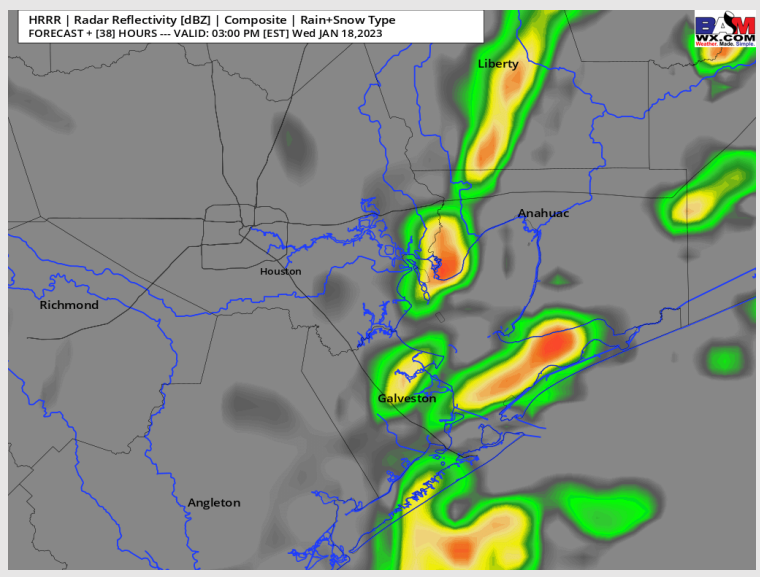
Precip: A few hit and miss light showers (30-40%) will be possible through the morning hours. 11 AM – 4 PM looks to be the best window (60-70%) for showers and thunderstorms associated with the next cold front. While a few stronger thunderstorms are possible, the better severe weather risk sits a bit north of the area.

Wind: SSE winds in the AM will shift from the NW between 4-6 PM due to a cold front. Winds north of Morgan’s Point will start out at 5-10kts and south of Morgan’s Point will be slightly elevated at 10-15 kts. By 3 PM winds will increase even more south of Morgan’s Point to 13-18 kts just ahead of the cold front. Once the front passes through (after 6 PM) winds will calm to 3 – 7 kts across all stations. **Wind gusts could range between 18 – 23 kts across all stations between 10 AM and 2 PM.**

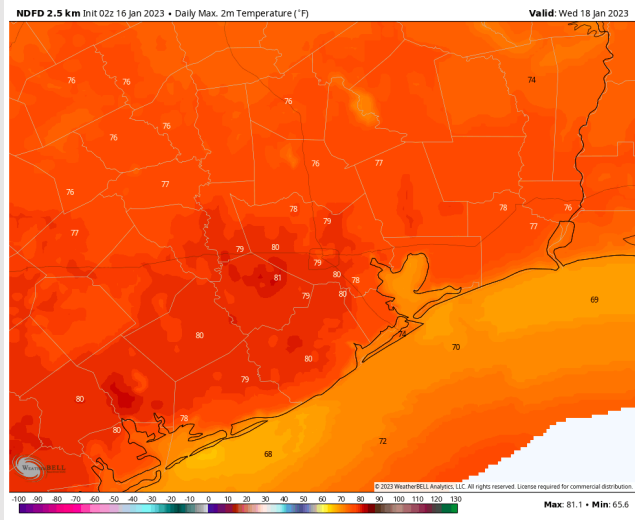
Temps: Temperatures north of Morgan’s Point will be in the upper 70s F and south of Morgan’s point will be in the mid to lower 70s F.

Visibility: Patchy, dense fog will once again be possible into Wednesday AM. The threat does not look to be as widespread as Tuesday AM, but certainly still a risk.

Precip Forecast: 2 PM CT



Wind Speed
2 PM CT



High Temps
Wednesday

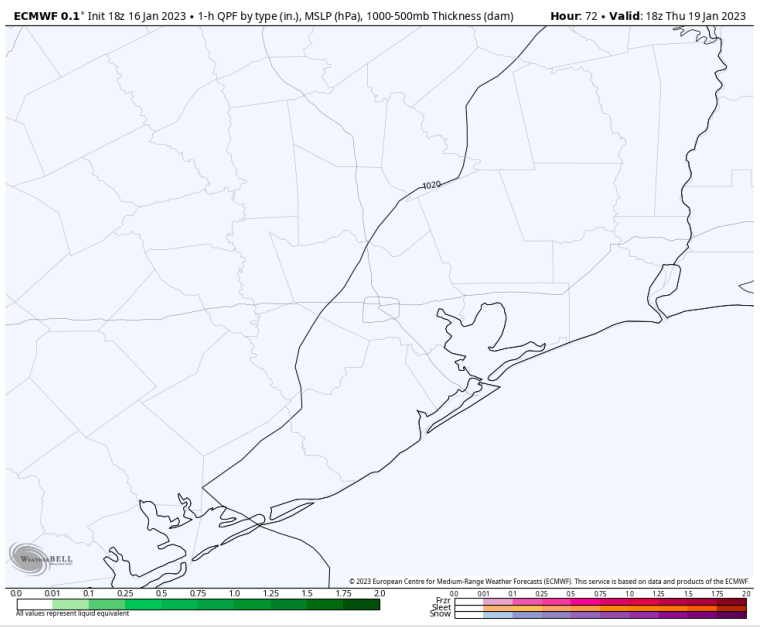
Houston Pilots: Thu. 1/19/2023



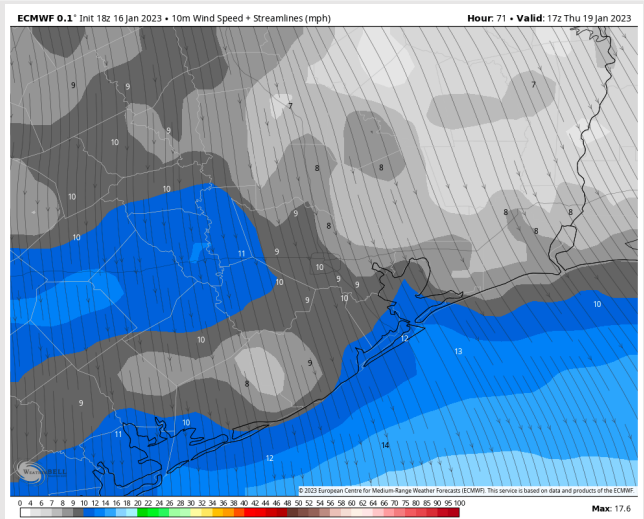
Forecast Discussion

- Precip:** Anticipating a dry day for Thursday.
- Wind:** Winds will be sustained from the NW for the morning hours. After 10 AM winds will begin to veer from the NNW and then finally the NNE by late afternoon. Winds will be 7 – 13 kts across all stations. After 2 PM winds will calm slightly to 4 – 9 kts.
- Temps:** Noticeably cooler. High temperatures will be in the upper 60s F north of Morgan’s Point and in the mid to lower 60s F south of Morgan’s Point.
- Visibility:** Not anticipating any visibility concerns at this time.

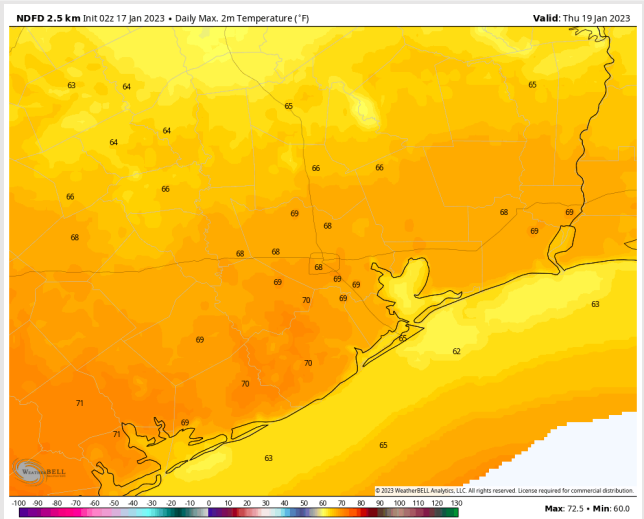
Precip Forecast: 12 PM CT



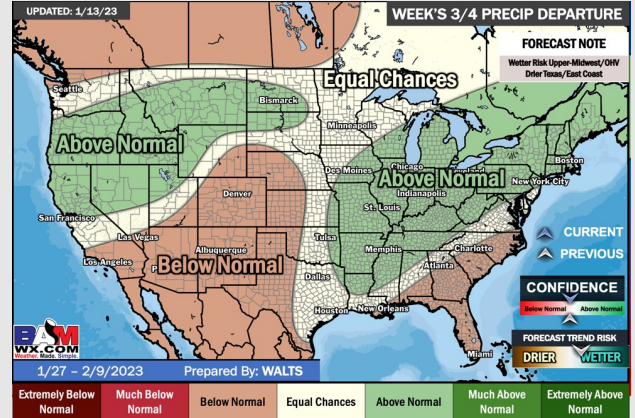
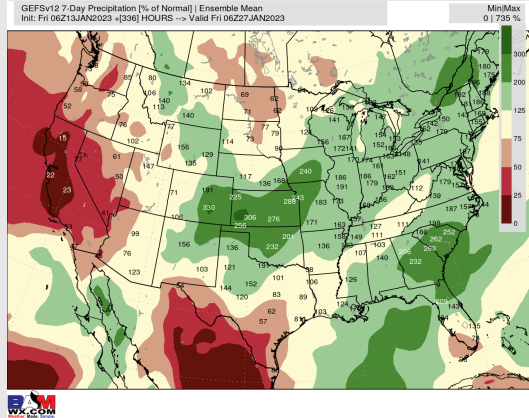
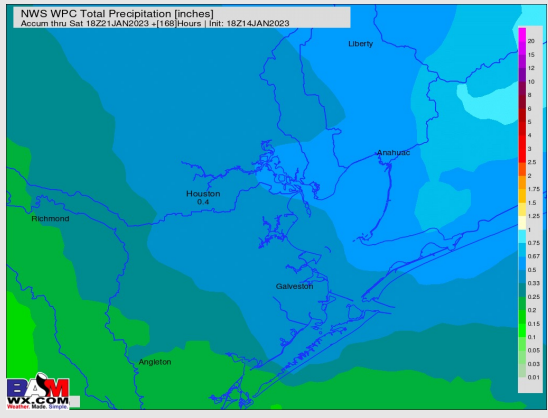
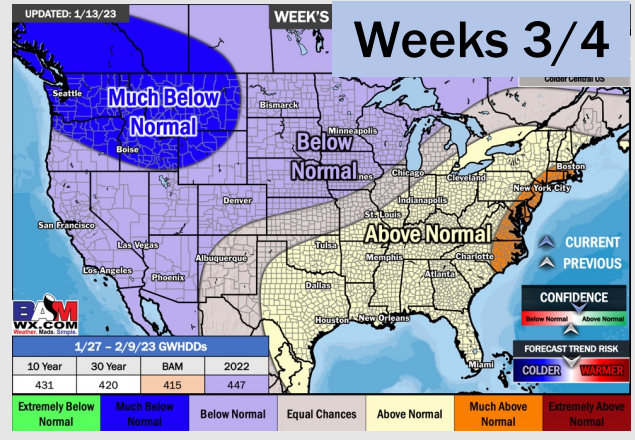
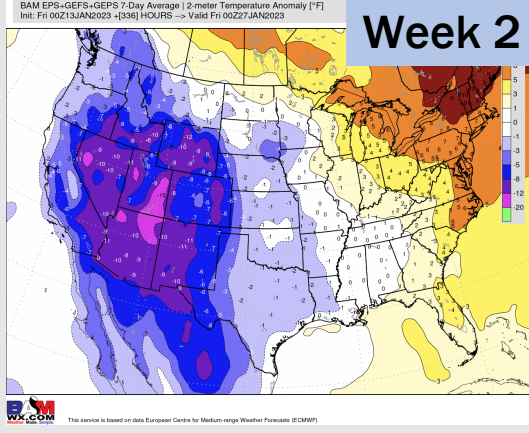
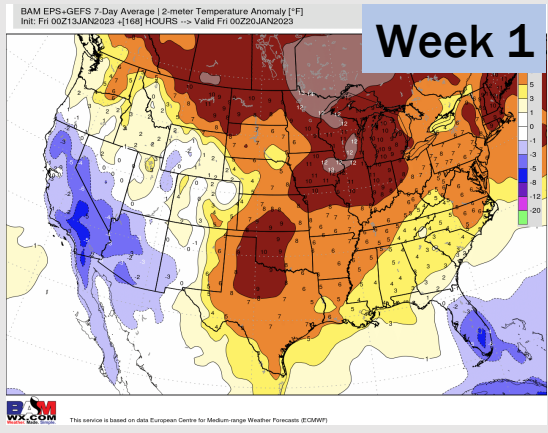
Wind Speed
11 AM CT



High Temps
Thursday



Houston Pilots: 1/17/23



- A generally drier pattern with the best chances for precip coming Wed/Thu with a cold front. Temps will continue to remain above average.
- Week 2 precipitation is expected to be near normal for the week 2 timeframe. Temperatures are to be near normal.
- Near normal precipitation chances and above normal temperatures expected in the weeks 3/4 timeframe.