

# Houston Pilots Forecast Package



Updated: 3:30 PM CT

Tuesday, January 23, 2024

Forecaster: Will Danby

## Weather Headlines

- Scattered to hit/miss showers continue today with more widespread threats entering WED AM. A low-end severe threat with some of these storms are possible early WED AM.
- Winds generally stay rather light under 15 knots over the next 72 hours outside of storm induced gusts.
- **Sea fog threats continuing into Wednesday morning with rain often times mixing in with fog. Lower confidence exists for exact coverage. Please see visibility slide for more info.**



Radar/NWS Alerts: 3:50 PM CT



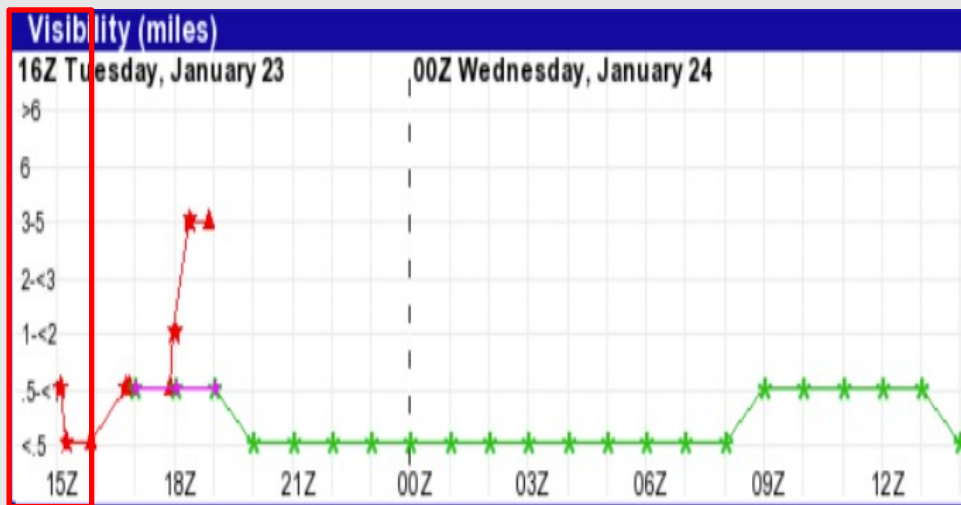
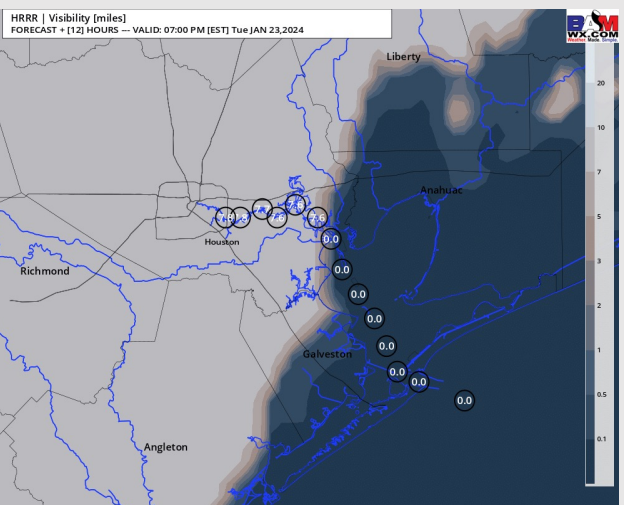
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report

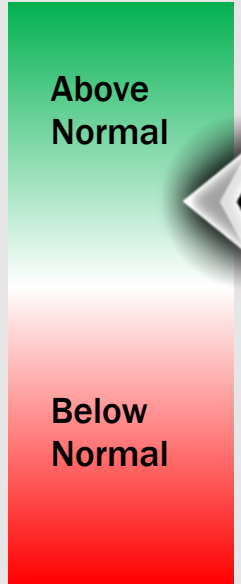


## 6 PM CT Visibility      Boarding Station Modeled Visibility

## Confidence



Visibility range



TIMEFRAME DISCUSSED	THREAT
CURRENT - 6 AM WED	High

- Widespread dense fog of 1-2 miles with locally less than 0.5 miles will continue into this afternoon, especially for stations 63/64 and points south
- **North of Morgan's Point:** Fog can be patchier in nature with visibility remaining within 2 - 4 miles. As we head towards sunset, it is likely that fog will become dense in nature again, with visibility remaining at one mile or less
- **South of Morgan's Point:** Due to consistent flow of winds from the SSE at speeds of around 7 - 12 kts, it is unlikely there will be much of a break with the dense fog this afternoon and across the next 18 hours through sunrise Wednesday. Visibility will likely stay at less than one mile. If there would be a **potential window where there can be some breaks in fog**, favoring near 2 AM - 7 AM when some heavier rains can move in and promote some mixing/breaking. The concern is this would still leave dense patches of fog in a sporadic fashion. Another hint at some breaks in fog would be from now through roughly 8 PM at Morgan's Point through 63/64. Otherwise, visibility will struggle to get above 1 mi.

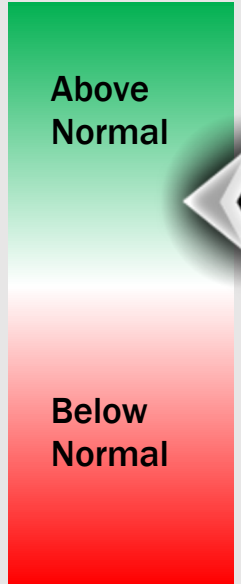
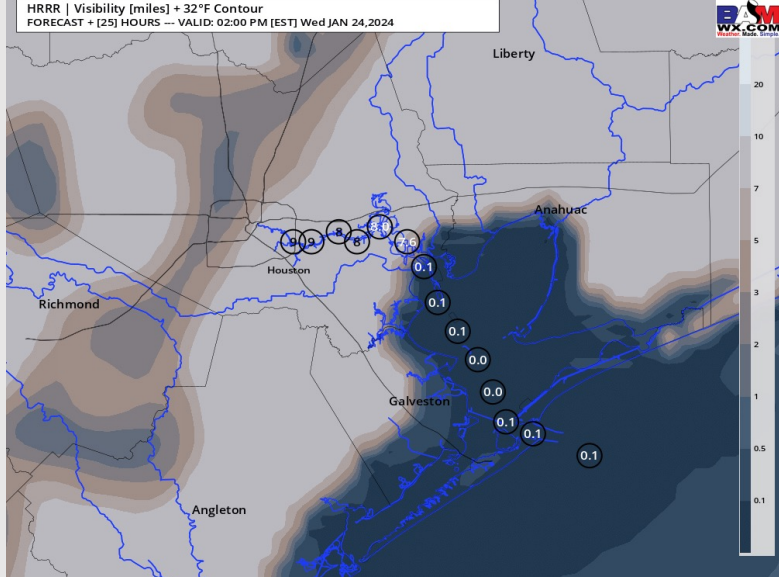
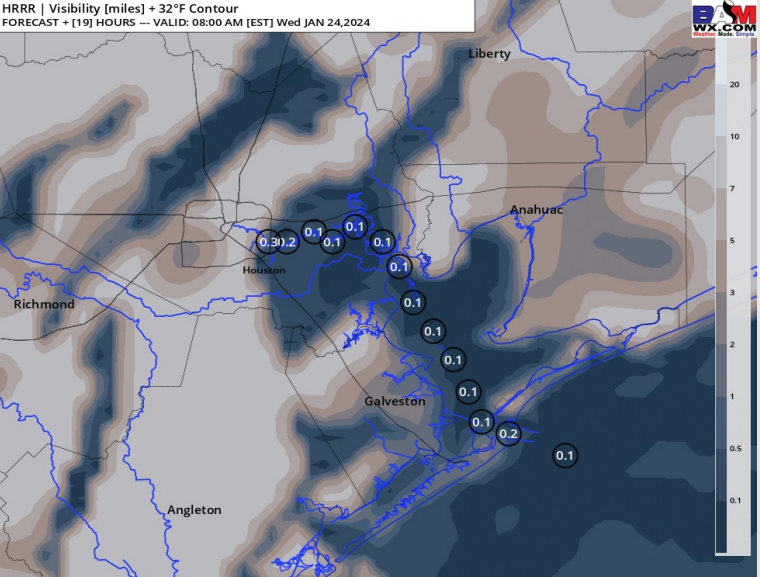
# Houston Pilots Visibility Report



## 8 AM CT Visibility

## 2 PM CT Visibility

## Confidence



TIMEFRAME DISCUSSED	THREAT
6 AM WED – 6 PM WED	High

- Dense fog looks to stay rather persistent over another 12 hour window, especially south of Morgan's Point. Remarks below offer up potential breaks in sea fog, but for the most part it will be hard to see visibility rise above 2 mi.
- As noted in the previous slide, if there can be a period where the dense fog become patchier in nature, it would only be just after the first line of storms exits near 6-7 AM CT. The issue is winds remain from the SSE and are on the light side at 9 - 14 kts towards the Boarding Station.
- This will create a setup where the pattern continues to have transport of sea fog from the Southeast.
- Locations south of Morgan's Point are favored to see visibility remain at two miles or less.
- For locations north of Morgan's Point, the best opportunity for visibility to rise above 2-4 Mi range will be in the late AM where heating during the day can burn off more of the "land based" fog. Favoring into the 2-5 PM timeframe for fog to work back in again where visibility will run the risk of being <2 mi once more.

# Houston Pilots Extended Range Visibility Report



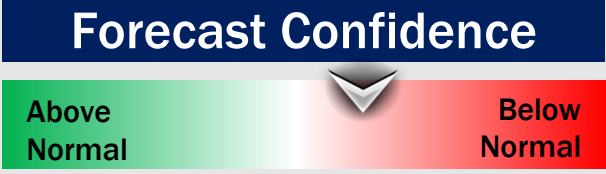
## Friday 1/26/24

Monitoring potential for patchy to widespread fog, especially during the AM hours on Friday.



## Saturday 1/27/24

Monitoring potential for patchy to widespread fog, especially during the AM hours on Saturday. A front will come through sometime in the Late AM, wiping out fog chances for the PM.



## Sunday 1/28/24

No visibility concerns favored for Sunday.



## Chance for Fog

Friday AM	Likely
Friday PM	Likely
Saturday AM	Likely
Saturday PM	Low-end
Sunday AM	Unlikely
Sunday PM	Unlikely

# Houston Pilots Visibility Chart (miles)



Time	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	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	
<b>610 Bridge</b>	2	2	3	3	3	2	1	1	0.42	0.42	0.29	0.42	1	1	2	2	2	2	1	1	2	2	1	2	2	2	2	2	2	2	3	3	2	2	1	0.48	
<b>Kinder 1</b>	2	2	3	3	3	1	1	1	0.42	0.42	0.29	0.42	1	1	2	2	2	2	2	2	2	2	1	2	2	4	3	3	3	2	3	3	2	2	1	0.48	
<b>Greens Bayou</b>	2	2	2	2	2	1	1	1	0.4	0.39	0.29	0.39	1	1	2	2	2	3	4	3	2	2	1	2	3	5	4	5	5	2	3	3	2	2	1	0.48	
<b>Shell Crude</b>	2	2	2	2	2	0.77	0.58	0.58	0.53	0.37	0.37	0.37	0.58	1	2	2	2	3	6	3	2	2	1	2	3	6	4	6	6	2	3	2	2	1	0.96	0.48	
<b>Lynchburg Ferries</b>	1	1	2	1	2	0.77	0.55	0.53	0.41	0.41	0.41	0.41	0.53	1	1	2	2	3	6	3	1	2	1	2	3	6	4	6	6	2	2	2	2	1	0.72	0.48	
<b>Exxon 3</b>	1	1	2	2	2	0.77	0.77	0.53	0.53	0.53	0.53	0.53	0.53	1	1	2	2	3	6	3	1	2	1	2	3	6	4	6	6	2	2	2	2	1	0.72	0.48	
<b>Morgans Point</b>	1	1	2	2	2	0.77	0.77	0.53	0.53	0.53	0.53	0.53	0.53	1	1	2	3	4	6	3	1	3	3	4	3	6	5	6	6	2	2	2	2	1	0.91	0.48	
<b>75/76</b>	1	1	2	2	2	0.77	0.77	0.53	0.53	0.53	0.53	0.53	0.53	1	1	2	3	4	6	3	1	3	3	3	3	2	6	5	6	6	2	2	2	2	1	1	0.48
<b>63/64</b>	1	1	2	2	1	0.95	0.77	0.53	0.53	0.53	0.53	0.53	0.53	0.95	1	2	4	4	6	3	1	4	4	4	2	6	4	6	6	2	2	2	2	2	1	0.62	
<b>51/52</b>	1	1	2	2	1	1	0.77	0.53	0.53	0.53	0.53	0.53	0.53	0.77	1	2	4	4	5	2	1	4	4	4	2	4	3	5	4	2	2	2	2	2	1	0.96	
<b>37/38</b>	1	1	2	2	1	1	0.77	0.53	0.53	0.53	0.53	0.53	0.53	0.72	1	2	3	5	4	2	1	3	3	3	2	3	2	4	2	2	2	2	2	2	1	1	
<b>25/26</b>	2	1	1	1	1	1	0.77	0.53	0.53	0.53	0.4	0.53	0.53	0.53	1	2	4	6	5	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
<b>11/12</b>	2	1	1	1	1	1	0.77	0.53	0.53	0.4	0.29	0.53	0.53	0.53	1	2	3	6	3	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
<b>1 &amp; 2 Bravo</b>	2	1	1	1	1	1	0.77	0.53	0.53	0.29	0.29	0.34	0.53	0.53	0.77	1	2	4	0.87	1	1	1	1	1	1	2	1	1	1	2	2	1	1	0.59	0.89	0.58	

**NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only**



# Houston Pilots Wind Chart



## Forecast Confidence



## Example

Sustained wind 13 Knots  
Gusts 18 Knots  
Wind from the N

WS: 13  
G:18  
N

Time Knots	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	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Wed 12am	Thu 1am	Thu 2am			
610 Bridge	9	9	9	7	7	6	5	4	4	4	4	3	3	5	4	4	4	4	4	5	5	4	5	4	5	6	6	6	5	4	4	4	4	4	4	4	4	4		
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	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	WSW	SW	ENE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	WSW	ENE		
Kinder 1	9	9	9	7	6	5	4	4	4	4	3	3	5	4	4	4	4	4	4	4	5	5	5	5	6	6	6	5	4	4	4	4	4	4	4	4	4	4	3	
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	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	WSW	SW	ENE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	SSW	ENE	
Greens Bayou	10	9	9	8	7	6	5	4	4	4	3	3	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	5	4	4	4	4	4	4	4	4	3		
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	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	WSW	WSW	ENE	E	ESE	ESE	ESE	ESE	ESE	ESE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SSE	SSE	
Shell Crude	10	9	9	8	7	6	5	5	4	4	3	3	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	5	4	4	4	4	4	4	4	4	4	3	
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Lynchburg Ferries	10	10	9	9	7	6	5	5	5	4	4	4	3	4	5	4	4	4	4	4	5	5	5	5	5	6	6	6	6	5	4	4	4	4	4	4	4	4	3	
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Exxon 3	10	10	9	9	8	7	6	5	5	5	4	4	4	4	5	5	5	5	4	6	5	5	5	5	6	6	7	6	6	5	5	5	5	4	4	4	4	4	4	
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Morgans Point	10	10	10	9	8	8	7	6	6	5	5	4	4	4	7	6	6	6	5	6	6	6	6	5	5	6	6	7	7	6	6	5	5	5	5	5	5	4	4	
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75/76	10	10	11	11	10	9	8	8	7	6	7	6	6	6	8	7	8	7	8	7	7	7	6	6	6	7	8	8	7	6	6	6	6	6	6	6	6	5	5	
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63/64	10	10	10	11	10	9	8	8	7	7	7	6	6	6	9	8	8	8	8	7	7	7	6	6	7	8	8	8	7	6	6	6	6	6	6	6	6	6	5	
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37/38	9	10	10	10	9	8	7	6	6	7	7	7	5	6	8	7	7	7	7	7	7	7	7	7	8	8	8	8	7	6	5	5	6	6	6	6	6	6	6	
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25/26	9	9	9	9	8	7	6	6	6	6	7	6	5	5	7	7	7	7	6	7	7	7	7	8	8	8	8	7	6	6	5	5	6	6	6	6	6	6	6	
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	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SW	ESE	ESE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
1 & 2 Bravo	11	10	11	10	10	9	9	9	8	8	8	9	8	7	8	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	10	
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	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	NW	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

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## Forecast Discussion

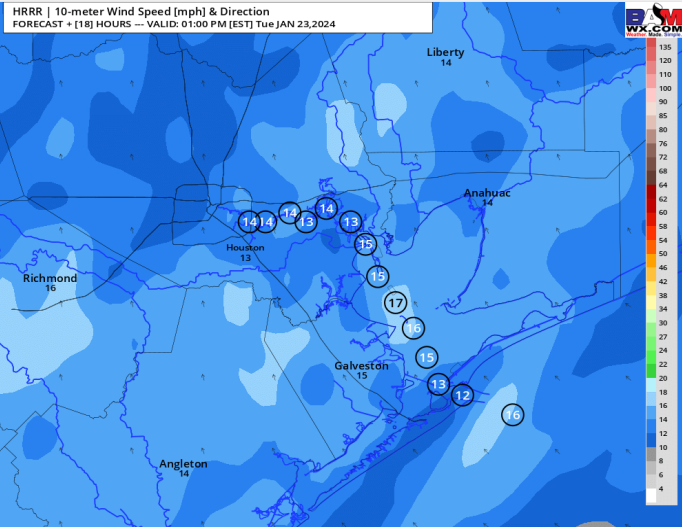
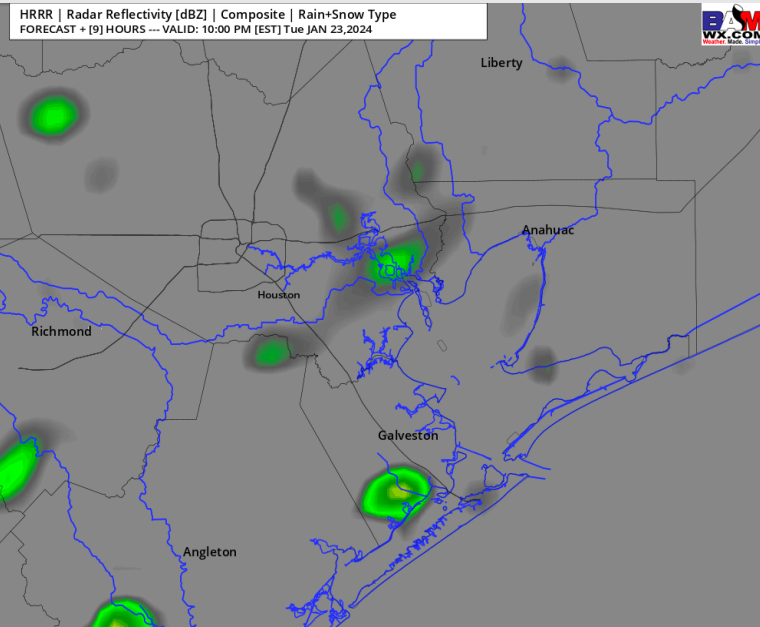
**Precip:** Better opportunities/coverage for moderate pulses of rain look to stay north this afternoon. Lighter intensity of drizzle and showers will be persistent this afternoon across all stations. Need to watch near 1 AM for low end risk for some stronger thunderstorms to work in.

**Wind:** Winds continue from the SE/SSE this afternoon. **N of Morgan's Point:** 4-9 kts, calming slightly to 3 - 7 kts after 9 PM. **S of Morgan's Point:** 7 - 12 kts sustained. The Boarding Station remaining at 9 - 14 kts.

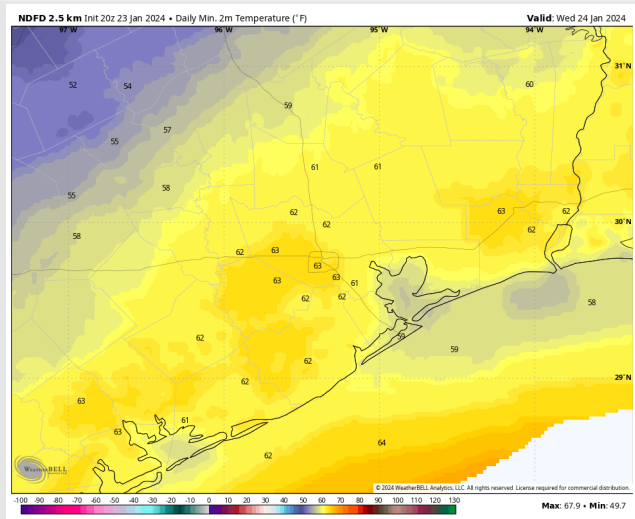
**Low Temps:** **N of Morgan's Point:** Lower 60s F **S of Morgan's Point:** Lower 60s F to upper 50s F.

**Visibility:** Widespread fog continues to be a threat for all Stations this afternoon/evening. Check the visibility slide for expanded details.

## Precip Image: 9 PM CT



Wind Speed:  
12 PM CT



Low Temps  
WED AM

## Forecast Discussion

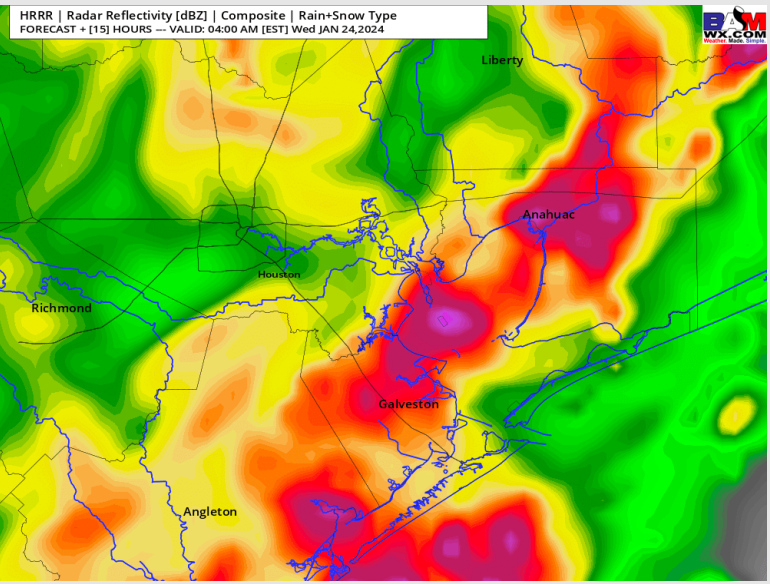
**Precip:** Scattered showers and thunderstorms are favored to move in around 1 AM - 7 AM for greatest widespread coverage (90% chance). Within that window the **1 AM - 4 AM** timeframe would have a low-end risk for strong to severe storms with primary risk being hail and gusty winds of up to 35 - 38 kts. After 7 AM coverage will become more hit/miss to scattered (40 - 60%) for the remaining AM hours. A second pulse of storms looks to enter again near 5 PM - 10 PM.

**Wind:** Winds will be variable in direction throughout the day. Outside of thunderstorm gust potential, **N Morgan's Point:** Winds will be 2-7 kts throughout the day. **S of Morgan's Point:** Winds at 7-12 kts in the early AM will decrease to 4-9 kts by 12 PM. Winds at the Boarding Station will remain slightly higher at 5-10 kts.

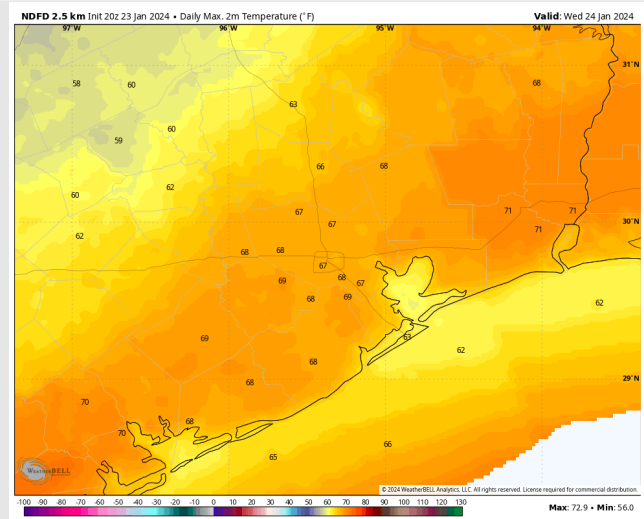
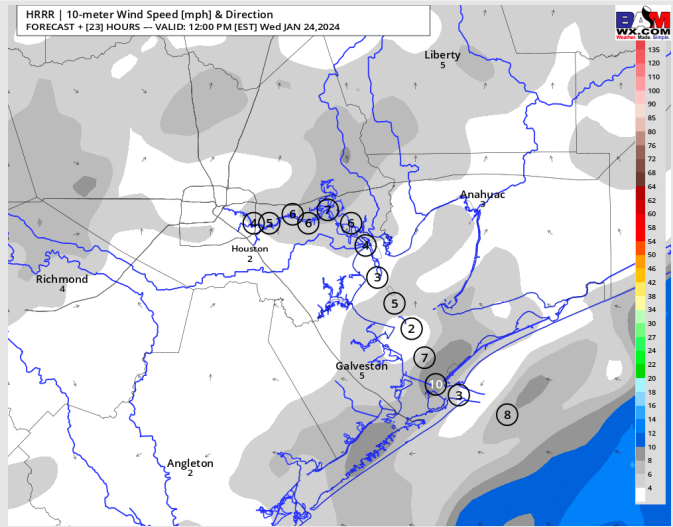
**High Temps:** **N of Morgan's Point:** Upper 60s F. **S of Morgan's Point:** Lower 60s F

**Visibility:** Due to the continued moisture tap from the south with a lack of low-level winds, dense fog will likely be at play, especially south of Morgan's Point into the late AM hours of Wednesday. Visibility likely continues to remain less than 2 mi.

## Precip Image: 3 AM CT



Wind Speed:  
11 AM CT



High Temps  
Wednesday



# Houston Pilots: Thu. 01/25/2024



## Forecast Discussion

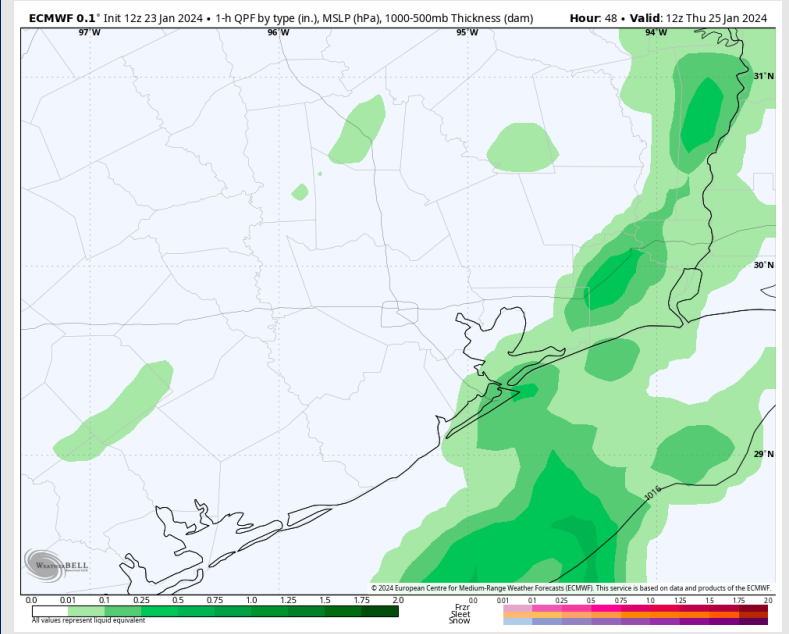
**Precip:** Data has lingered rain chances later into the AM Thursday. Light spotty showers will exit near 6 AM with drizzle chances at play through 12 PM.

**Wind:** Winds settle out of the NNW by 6 AM behind the front, then will begin to rotate clockwise from the NE in the late PM (post 10 PM) **N Morgan's Point:** 5 - 10 kts sustained. In the early PM winds lighten to 3-8 kts. **S of Morgan's Point:** 7 -12 kts through 2 PM, decreasing to 3-8 kts after that time.

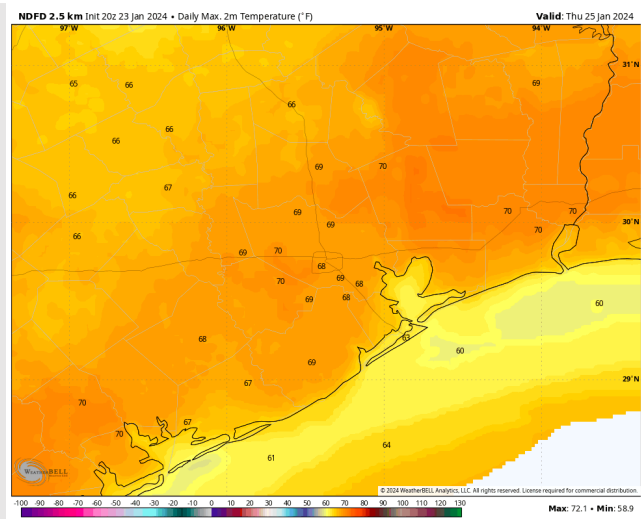
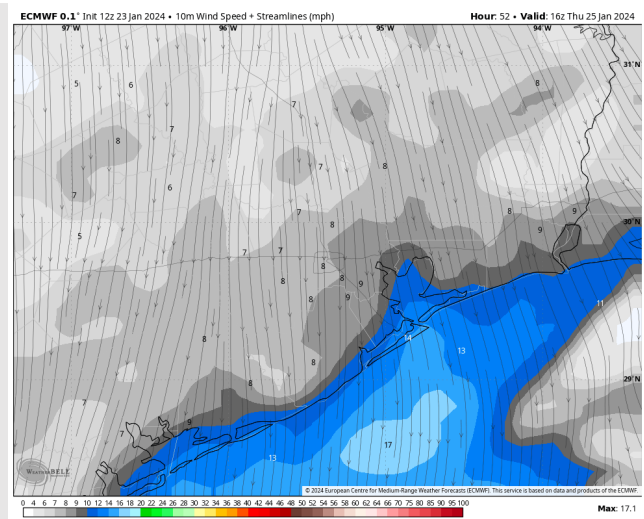
**High Temps:** **N of Morgan's Point:** Upper 60s F. **S of Morgan's Point:** Low 60s F.

**Visibility:** Monitoring potential for patchy to widespread fog, especially during the AM hours with start time dependent on exit of rain chances across the area

## Precip Image: 6 AM CT



Wind Speed:  
10 AM CT

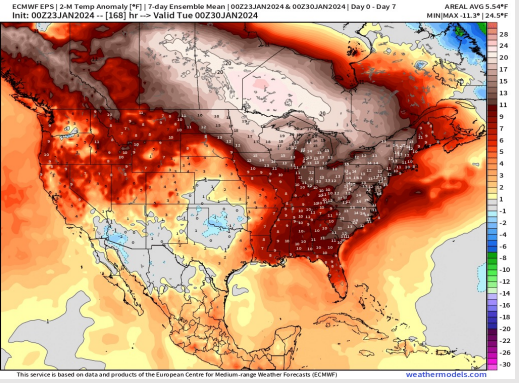


High Temps  
Thursday

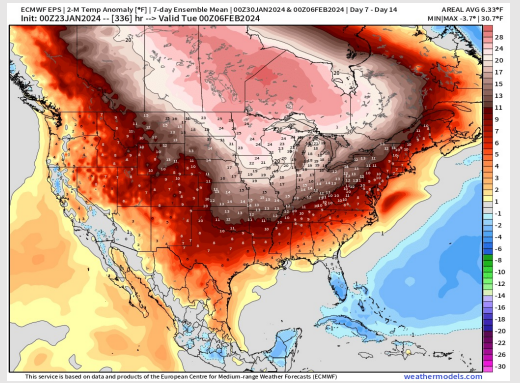
# Houston Pilots: 1/23/24



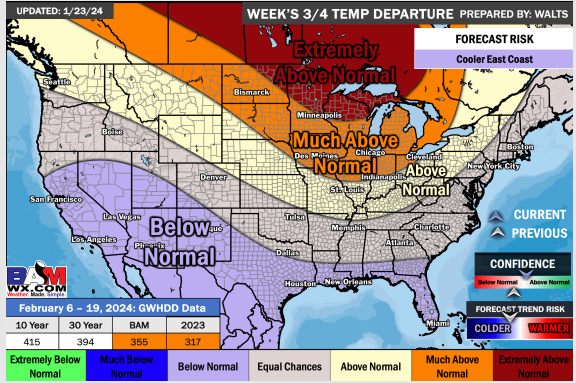
## Next 7 Day Temperature Departure



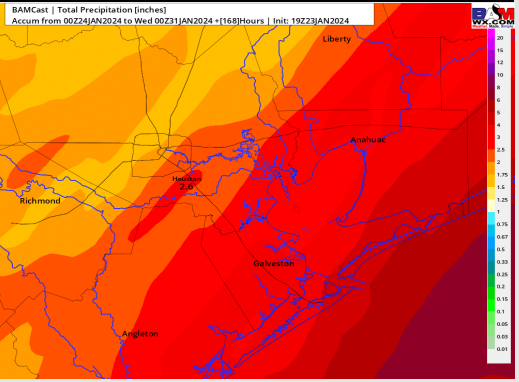
## 8-14 Day Temperature Departure



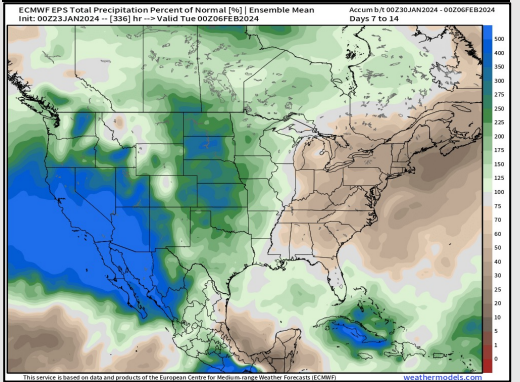
## 15-30 Day Temperature Departure



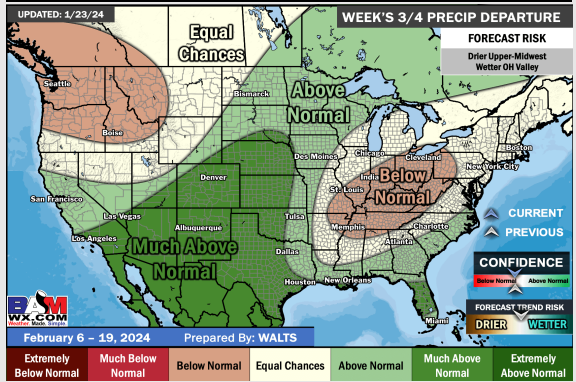
## Next 7 Day Total Precipitation



## 8-14 Day % of Average Precip.



## 15-30 Day % of Average Precip.



- Additional rainfall this week through Thursday can produce 2-3" of rain with locally higher amounts. Above normal temperatures favored for the week ahead.
- Slightly above normal precipitation chances are at play during the week 2 timeframe. Temps expected to be above normal.
- Below normal temperatures and much above normal chances for precipitation are favored in the weeks 3/4 timeframe.