

Houston Pilots Forecast Package



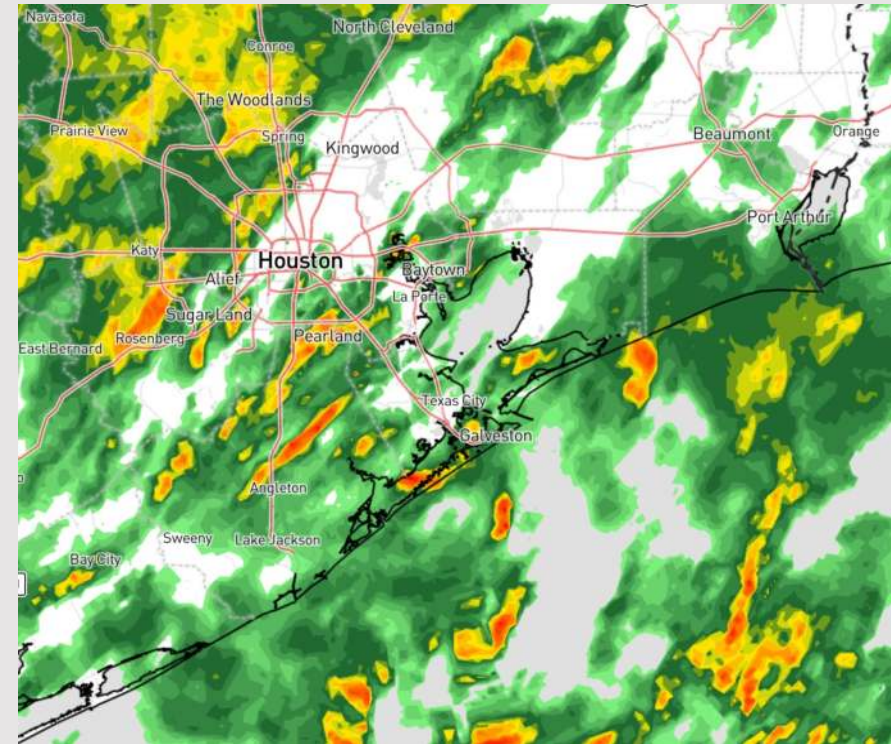
Updated: 2:00 PM CT

Wednesday, January 24, 2024

Forecaster: Alyssa Elliott

Weather Headlines

- Keeping an eye on severe storm potential through the early AM hours on Thursday.
- Stronger wind gusts up to 40-50 kts will be a risk associated with these Thursday AM storms.
- **Sea fog threats continuing this evening, often mixing with rain. Lower confidence exists for exact coverage into Thursday and Friday. Please see visibility slides for more info.**



Radar/NWS Alerts: 2:00 PM CT

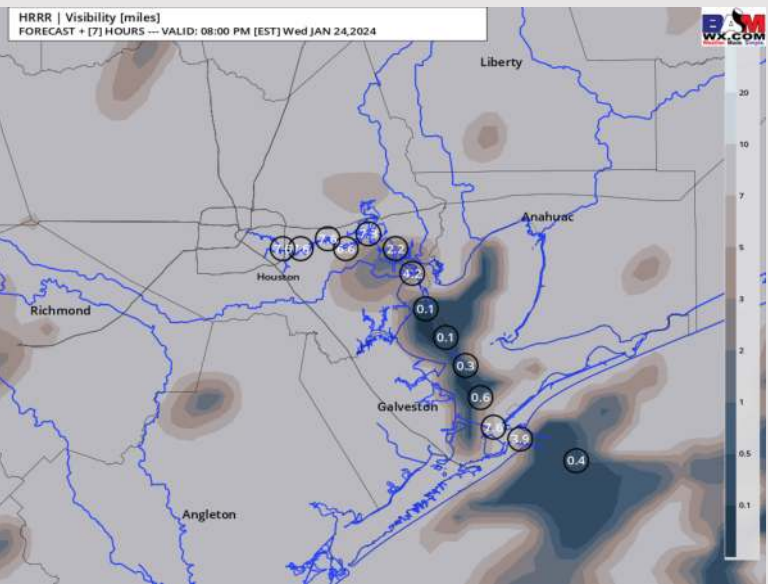


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

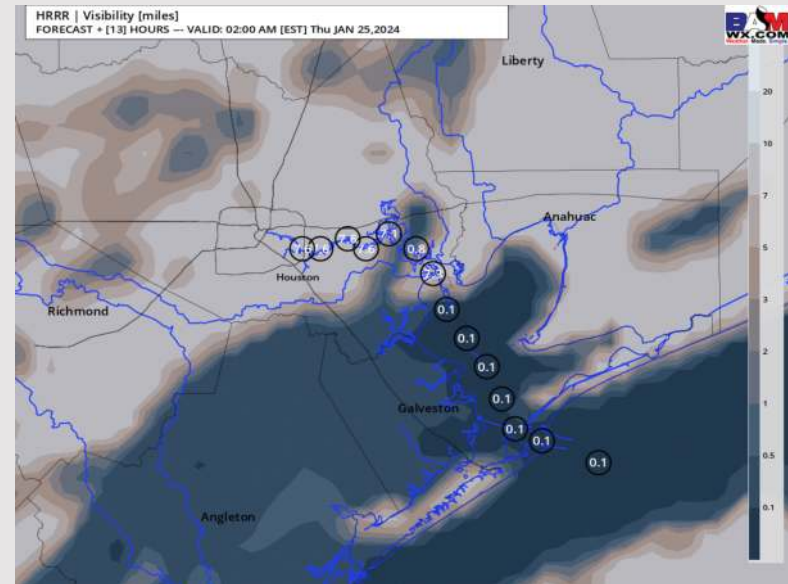
Houston Pilots Visibility Report



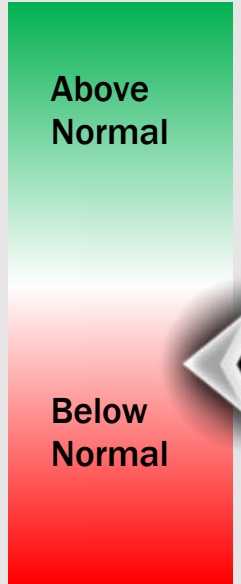
7 PM CT WED Visibility



1 AM CT THU Visibility



Confidence



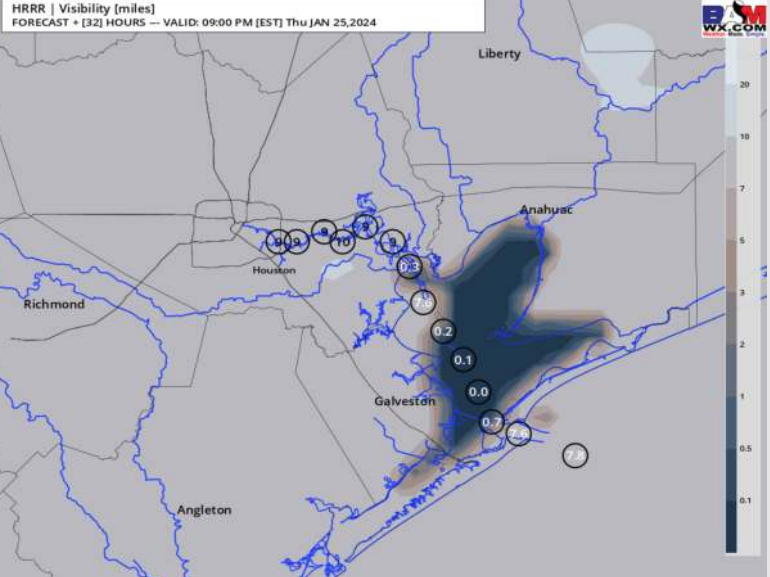
TIMEFRAME DISCUSSED	THREAT
3 PM WED - 5 AM THU	Medium

- Confidence is low this afternoon for fog potential in the bay.
- **North of Morgan's Point:** With orientation of winds and rain, overall think this threat will be very limited – but rain showers/ storms can themselves reduce visibility.
- **South of Morgan's Point:** Confidence is overall below normal for the fog risk this evening. Latest hi res suggest winds calm over the Bay by 3 PM-CT which may allow for gradually redevelopment of patchy fog for Morgan's Point to stations 51/52. Then winds look to shift back from the east/ southeast by 6 PM which can help usher in the potential for more widespread fog development within the Bay, reducing visibility to 1 – 3 miles, at times less than 1 mile.
- An important factor to note are the rain showers and storms which tend to scour out lower visibilities/ fog. So as these showers mix in, it could cause fog risk to be patchier in nature rather than widespread.
- With all this being said, we need to watch for patchy fog from 3 PM until 5 AM-CT (then front pushes out the fog from the NW to the SE). At times, visibilities can reach below 1 mile, with the most widespread risk for this low visibility occurring between 1 AM – 4 AM-CT Thursday.

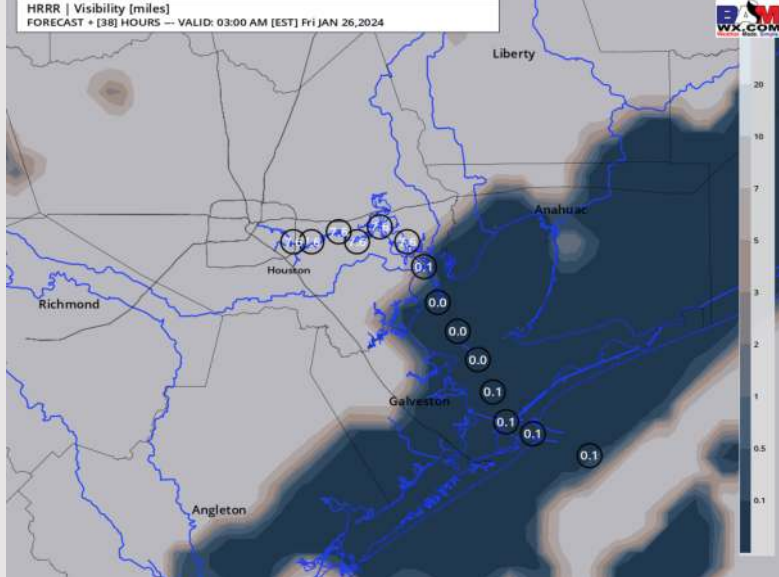
Houston Pilots Visibility Report



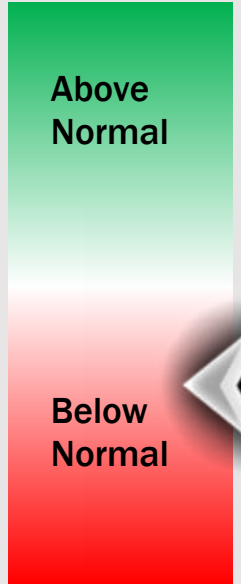
8 PM CT THU Visibility



2 AM CT FRI Visibility



Confidence



TIMEFRAME DISCUSSED	THREAT
6 PM THU - 1 PM FRI	Medium

- Confidence overall continues to remain low for fog coverage and density, however at this time, favoring patchy fog will begin to redevelop within the Bay as early as 6 PM-CT Thursday, reducing visibility to 1 – 3 miles with locally less than 1 mile being a risk.
- This fog will only increase in coverage and density (less than 1 mile) for stations S of Morgan’s Point through the late evening and early AM hours, becoming widespread for stations S of Morgan’s Point by 3 AM-CT Friday.
- From 3 AM-CT to 6 AM-CT, this fog will then finally begin to creep N/NW towards stations N of Morgan’s Point, reducing visibility for stations with HOU Metro.
- Beginning around 9 AM-CT, the fog risk will gradually become patchier in nature for all stations, continuing to slowly break up until it finally clears around 1 PM-CT Friday.

Houston Pilots Extended Range Visibility Report



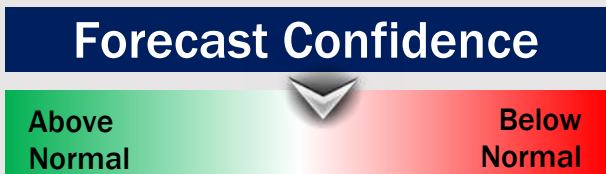
Saturday 1/27/24

Monitoring potential for patchy to widespread fog, especially during the AM hours on Saturday. If front can push through quicker, this will eliminate the risk.



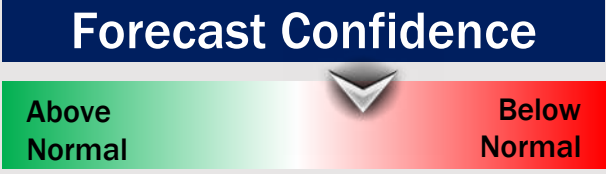
Monday 1/29/24

No visibility concerns favored for Monday.



Sunday 1/28/24

No visibility concerns favored for Sunday.



Chance for Fog

Saturday AM	Possible
Saturday PM	Low-End
Sunday AM	Unlikely
Sunday PM	Unlikely
Monday AM	Unlikely
Monday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Forecast Confidence



Time	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	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm						
610 Bridge	6	4	2	2	2	2	3	4	4	4	4	3	3	3	2	2	2	2	2	2	2	2	5	7	10	10	10	10	10	10	10	10	10	10	10	8	6	5	3			
Kinder 1	6	4	3	2	2	2	3	4	4	4	4	3	3	2	2	2	2	3	2	2	2	5	7	10	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4		
Greens Bayou	5	4	3	2	2	2	3	4	4	4	3	3	3	2	2	2	2	4	4	4	4	5	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	
Shell Crude	6	4	3	2	2	2	3	4	4	4	4	3	3	2	2	2	3	5	5	5	5	6	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	6	
Lynchburg Ferries	6	4	3	2	2	2	3	3	4	4	3	3	3	2	2	1	3	5	5	5	5	6	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	6	
Exxon 3	6	4	3	2	2	2	3	4	4	4	3	3	3	2	2	1	5	5	5	5	5	6	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	6	
Morgans Point	6	4	3	2	2	2	3	4	4	4	4	3	3	2	2	1	5	5	5	5	5	6	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	8	
75/76	6	5	3	2	2	2	3	4	4	4	4	4	3	2	2	1	5	5	5	5	5	6	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	7
63/64	6	5	3	2	2	2	3	4	4	4	4	4	3	2	2	1	5	5	5	5	5	6	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	6	6
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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	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	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm
610 Bridge	6	6	6	6	6	6	6	6	6	6	5	4	5	6	10	8	7	6	6	5	6	5	6	6	6	5	5	4	4	3	2	3	2	3	2	
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	ENE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	NE	NE	NNE	NNW	S	NW	NNW	N	N	NNE	NNW	N	NNW	NNW	N	NNW	N	NNW	N	NNW	NNW	NE	NNE	NNE	NW	
Kinder 1	6	6	6	6	6	6	6	6	6	6	5	4	4	5	6	9	8	7	6	6	5	6	6	6	5	5	4	4	3	2	3	2	2	2		
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Greens Bayou	6	6	6	6	6	6	6	6	6	6	5	4	4	5	6	9	8	7	6	5	5	6	6	6	5	5	4	4	3	2	3	2	2	2		
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Shell Crude	7	6	6	6	6	6	6	6	6	6	5	4	4	4	5	9	8	7	6	6	5	6	6	6	5	5	4	4	3	2	3	2	3	2		
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Lynchburg Ferries	6	6	6	6	6	7	6	6	7	5	5	4	4	5	9	8	7	6	6	6	6	6	6	6	5	5	4	3	3	3	3	3	3			
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Exxon 3	7	7	6	6	7	7	6	7	7	6	5	4	5	5	8	8	7	6	6	6	6	6	6	6	5	5	4	3	3	3	3	3	3			
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Morgans Point	7	7	6	7	7	7	7	7	7	6	5	5	6	8	8	8	8	7	6	6	6	6	6	6	5	5	4	4	4	4	4	4	4			
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63/64	6	7	6	7	7	8	8	7	7	7	6	5	5	6	9	9	9	10	8	8	7	8	7	8	7	6	6	6	6	5	4	4	4	4		
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25/26	7	7	7	7	7	6	6	6	6	6	6	5	5	6	8	8	8	7	7	7	7	7	7	6	6	5	4	3	3	3	3	3				
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11/12	8	7	7	7	7	7	6	6	6	7	7	8	7	6	6	7	7	8	8	8	7	7	7	7	6	6	6	4	4	4	4	4	4	4		
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1 & 2 Bravo	9	8	8	8	8	8	8	7	8	8	9	10	10	9	7	8	10	9	10	10	9	7	8	8	7	6	6	6	6	5	4	5	5	5		
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	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	E	E	E	E	ESE	E	NNW	NNW	NNW	N	N	SSW	NNW	N	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	

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Forecast Discussion

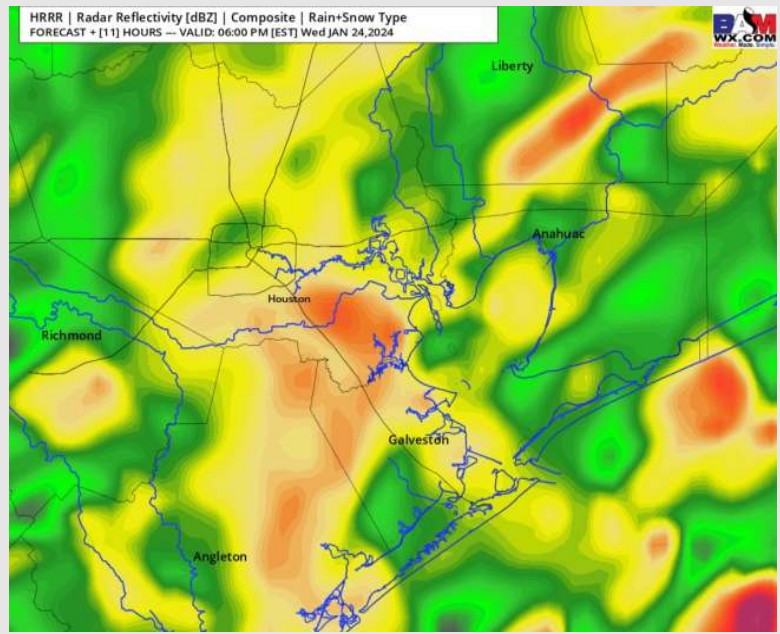
Precip: Scattered showers and storms (60-70%) will continue to be possible throughout the rest of the afternoon, decreasing in coverage (30%) after 10 PM-CT. These showers and storms will consist of moderate to heavy downpours and an occasional stronger gust of wind.

Wind: Winds will be variable N of Morgan's Point the early PM, shifting out of the NE by 6 PM then continuing for the rest of the evening. Outside of thunderstorm gust potential, **N Morgan's Point:** Winds will be 7 - 12 kts. **S of Morgan's Point:** Winds at 15 - 20 kts through the rest of the evening with occasional gusts up to 30 kts associated with isolated t-storms and heavy downpours (especially near the Boarding Station).

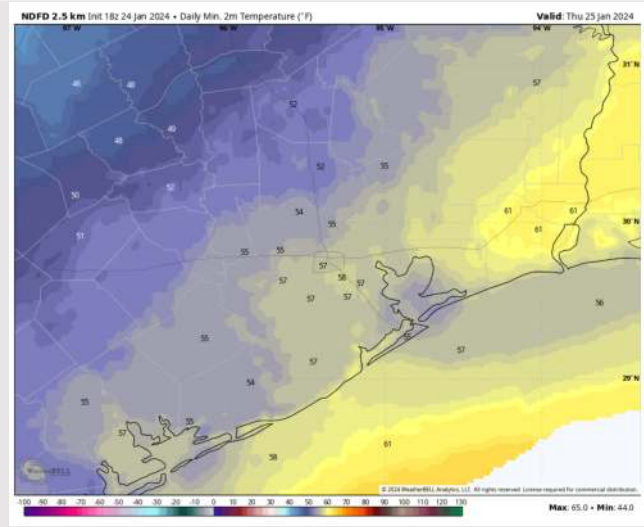
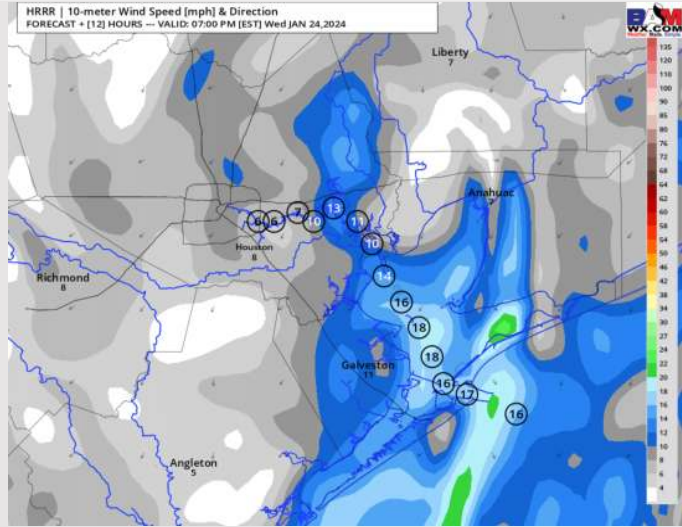
Low Temps: **N of Morgan's Point:** Upper 50s F. **S of Morgan's Point:** Mid 50s F

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 mid AM hours of Wednesday. Visibility likely continues to remain less than 3 mi.

Precip Image: 5 PM CT



Wind Speed:
6 PM CT



Low Temps
Thu AM

Houston Pilots: Thu. 01/25/2024



Forecast Discussion

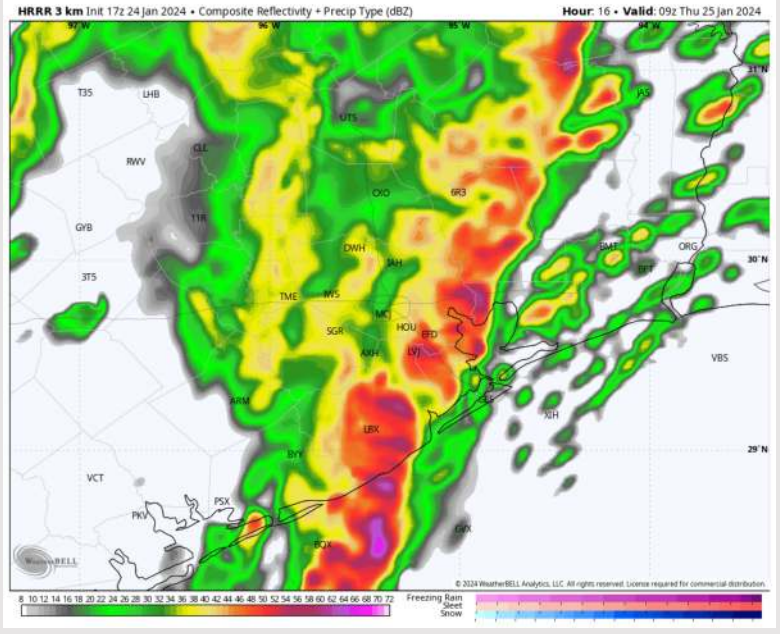
Precip: Monitoring potential for a line of strong storms to work in between 2 AM and 5 AM CT. Lower confidence on specifics remain, however there is a risk for this line of storms to be severe with gusts up to 50 kts, lightning and an isolated risk for hail. Scattered, non-severe showers and storms then favored to hang around through 11 AM-CT.

Wind: Winds settle out of the NNW by 5 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. **Non Thunderstorm wind gusts of 40 - 50. kts will be possible for all stations between 2AM - 5AM prior to storms arrival.**

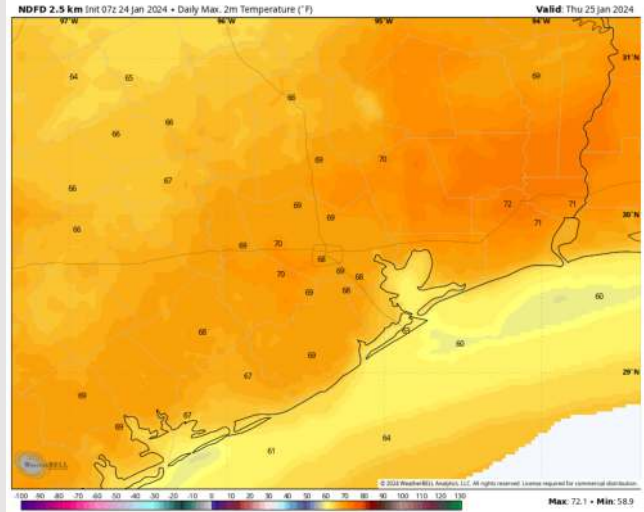
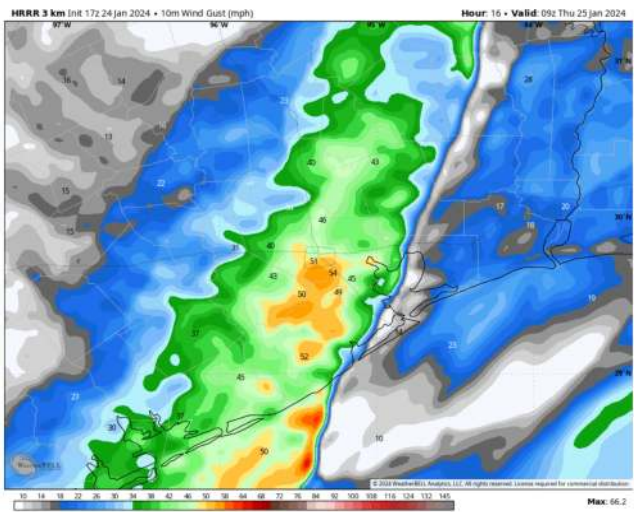
High Temps: **N of Morgan's Point:** Upper 60s F. **S of Morgan's Point:** Low 60s F.

Visibility: Monitoring potential for patchy fog, especially during the AM hours out ahead of the line of storms. This fog then clears out for the early afternoon, likely returning later in the evening within the Bay.

Precip Image: ~3 AM CT



Wind Gusts:
3 AM CT



High Temps
Thursday

Houston Pilots: Fri. 01/26/2024



Forecast Discussion

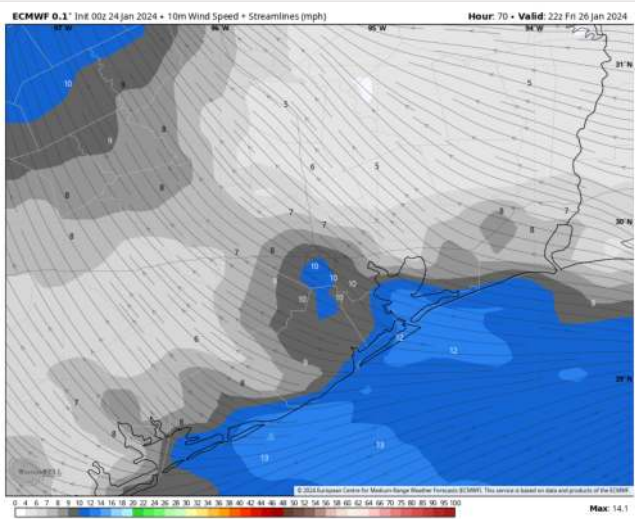
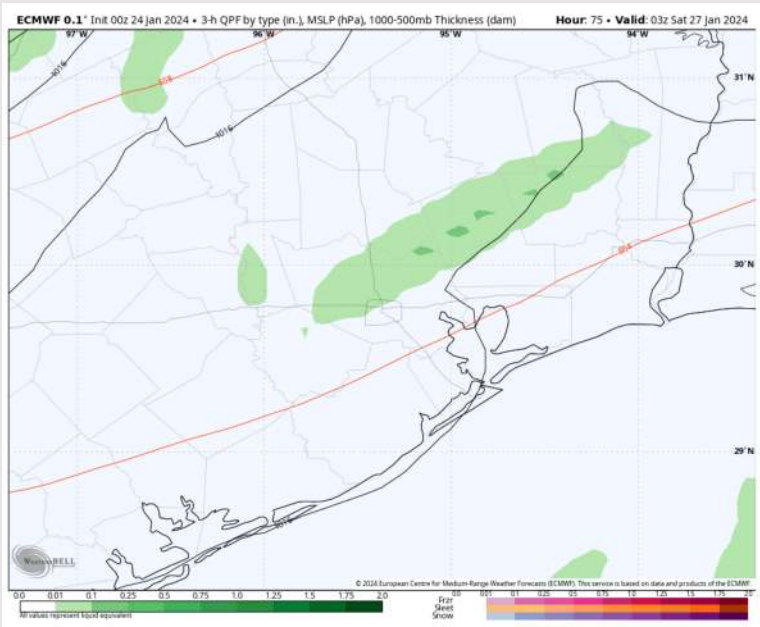
Precip: Lower confidence of exact timing of rain shower chances, but favoring 6 – 11PM to be the best potential for light showers to work into the area, impacting all stations. Not favoring additional thunderstorm risks at this time.

Wind: Winds will start out of the Northeast and become fully out of the Southeast by 10PM. **N of Morgan's Point:** 4-9 kts favored for the entire day. **S of Morgan's Point:** 8 - 12 kts sustained for the entire day.

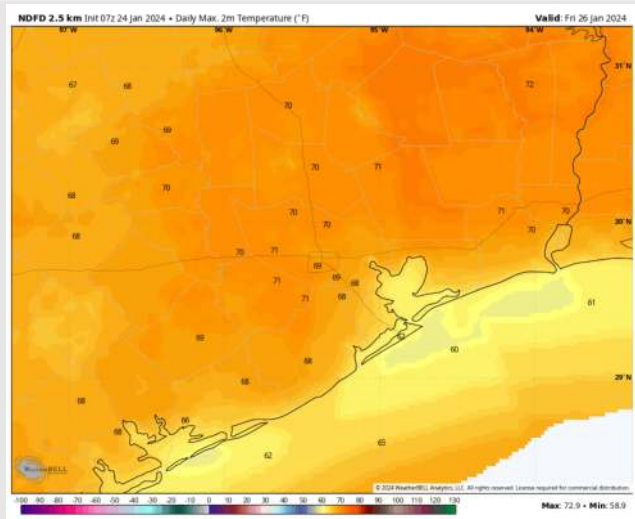
High Temps: **N of Morgan's Point:** Upper 60s F / Near 70 **S of Morgan's Point:** Lower 60s F to upper 50s F.

Visibility: Patchy to widespread fog remains possible for late Friday evening, but will be highly dependent on timing of another weak front.

Precip Image: 9 PM CT

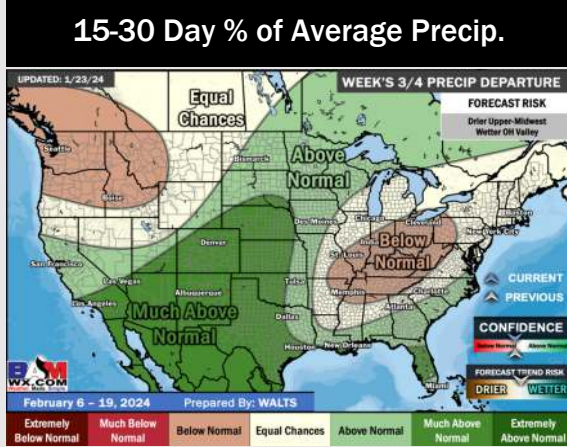
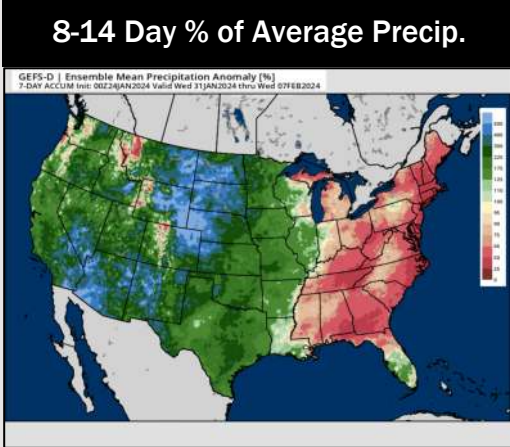
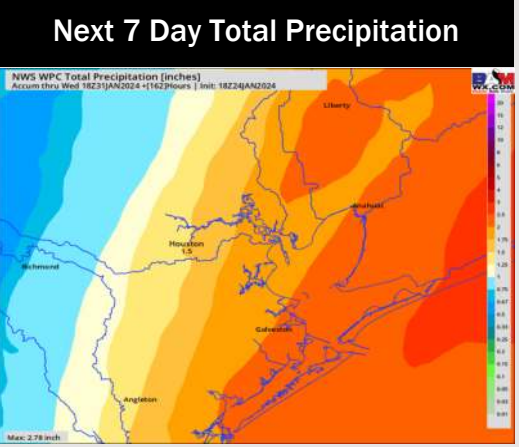
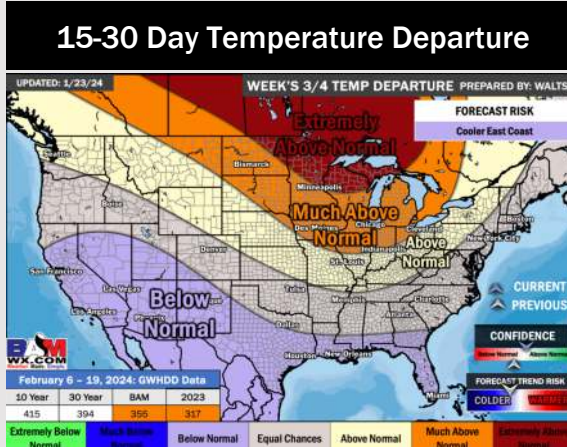
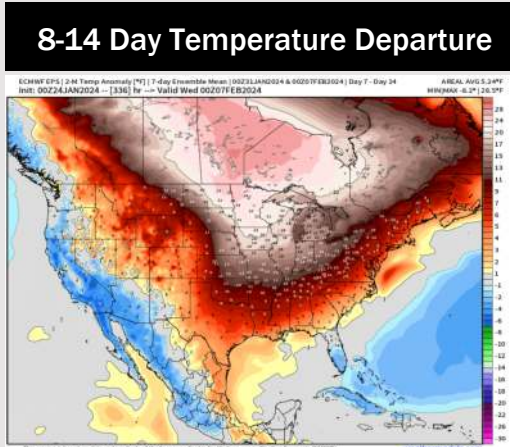
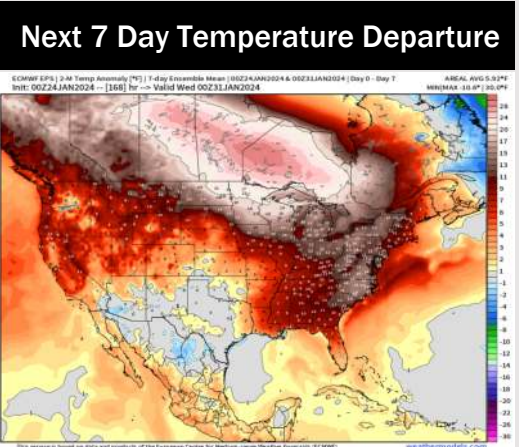


Wind Speed:
12 PM CT



High Temps
Friday

Houston Pilots: 1/24/24



- Rainfall this week through Thursday can produce an additional 2-3" in totals with locally higher amounts. Slightly above normal temperatures favored for the week ahead.
- 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.