

Houston Pilots Forecast Package



Updated: 12:00 AM CT

Tuesday, March 5, 2024

Forecaster: Jonathan Kipper

Weather Headlines

- Scattered rain chances will be possible into the AM. **Localized stronger storms cannot be ruled out.**
- Winds will be generally calm over the next few days outside of under a stronger cell this AM (better risk N of Stations)
- **Sea fog risks will remain in play through late week. See slides below for additional information.**



Radar/NWS Alerts: 12:00 AM CT

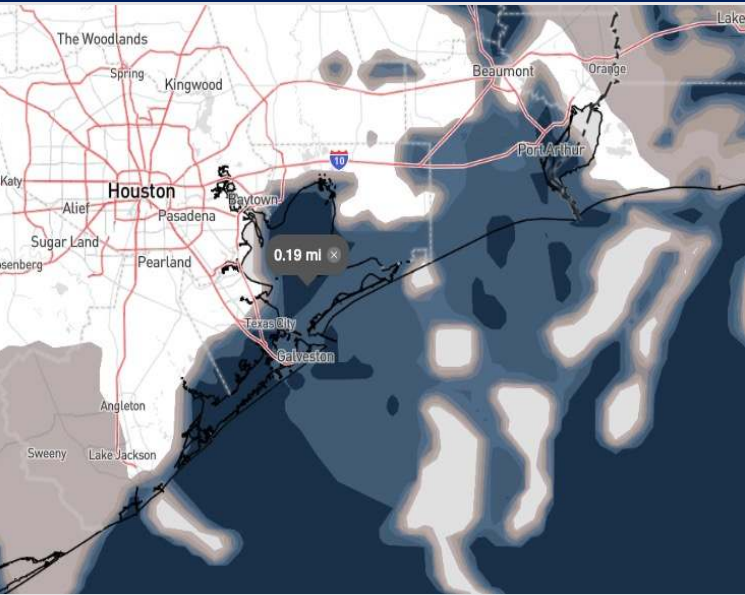


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on Clarity or our on-call number, **(317)-560-8122** press 1 for forecast questions.

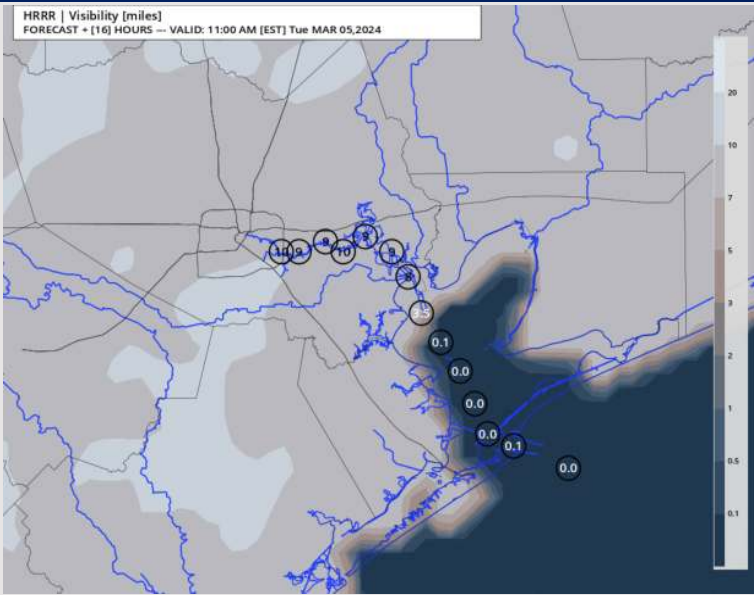
Houston Pilots Visibility Report



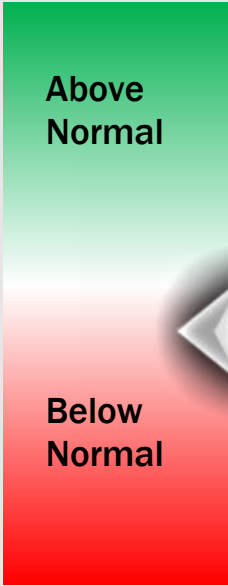
CURRENT VIS. as of 12:45 AM CT



10 AM CT TUE VISIBILITY



Confidence

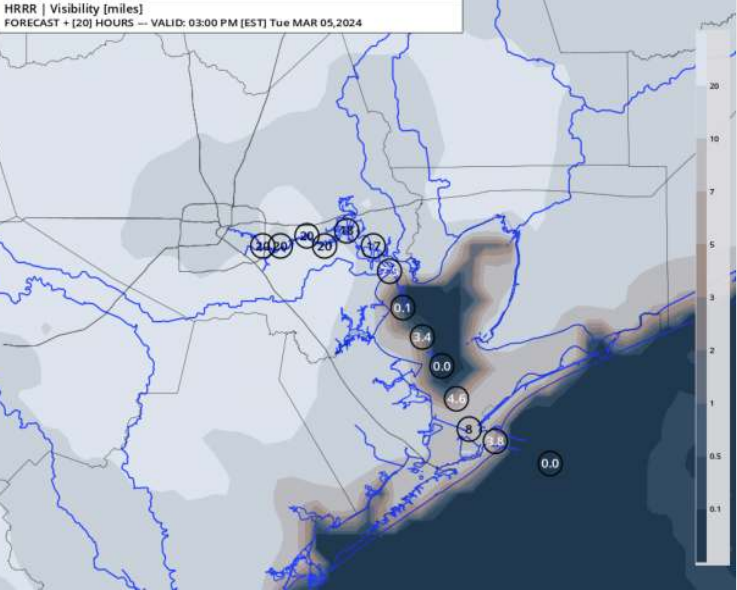


TIMEFRAME DISCUSSED	THREAT
Current – 12 PM TUE	MED - HIGH

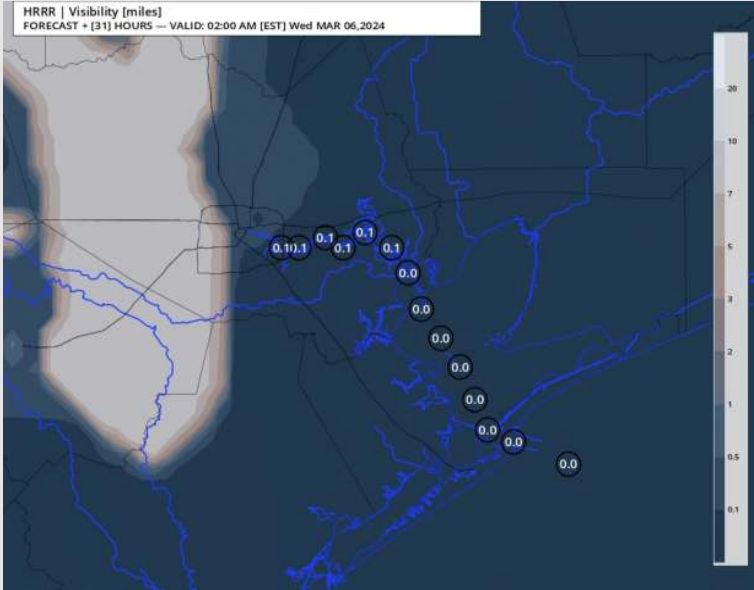
- Dense / patchy dense fog is expected to be a continued risk across the Galv. Bay / Houston Metro region throughout the evening, overnight and into tomorrow. Scattered showers and storms will bring opportunities to break this fog up, causing it to be patchier in nature at times, however the threat may not completely exit until FRI when the winds shift out of the NNW.
- Light winds out of the ESE are keeping dense sea fog around, reducing visibilities to 0.75 mile or less for stations S of Morgan's Point in a patchy to widespread fashion. South of Station 11/12 to the Boarding Station continues to see visibilities dropping to 0.25 mile. This fog risk will only continue to creep N over the next few hours, impacting stations N of Morgan's Point as well.
- Fog will remain widespread and dense through the overnight, becoming patchier once again for stations N of 11/12 by 11 AM Tuesday. Winds are currently favored to be very light to near calm by 12 PM CT this afternoon, brining a low-end chance of some breaks in the fog, however still favoring patchy dense fog to linger for stations N of 11/12.
- Slightly lower confidence remains, but overall, currently we are not seeing a guaranteed time slot for clear visibility today as widespread fog is favored to return S of Morgan's Point by ~9PM.

Houston Pilots Visibility Report

2 PM CT TUE VISIBILITY



1 AM CT WED VISIBILITY



Confidence

Above
Normal

Below
Normal

TIMEFRAME DISCUSSED

THREAT

12 PM TUE – 11 AM WED

MED - HIGH

- As winds become variable in nature this morning, dense fog is anticipated to become patchier for Stations S of Morgan's Point and through 11/12. This will help to improve visibilities to greater than 3-4 miles through 6 PM. Stations 11/12 and Boarding Station are favored to have lingering dense fog and reduced visibilities of 0.5-1 mile through the afternoon.
- After 6 PM, widespread dense fog with reduced visibilities of 0.25-0.5 miles will progress Northward from Stations 11/12. Lower confidence on exact timing but current favored progression would have dense fog at all stations S of Morgan's Point ~9 PM CT and possible at ALL stations by ~1 AM CT WED
- Anticipating dense fog to gradually taper off N of Morgan's Point starting around 7-8 AM CT WED, clearing out by ~11 AM.
- Lower confidence remains for dense fog progression for stations S of Morgan's Point, but favoring a similar set up to TUE with patchy fog lingering between Morgan's Point and Station 11/12 during the afternoon with widespread coverage returning in the evening.

Houston Pilots Extended Range Visibility Report



Friday 3/8/24

Not favoring a fog risk for Friday.

Forecast Confidence



Sunday 3/10/24

Fog not favored for Sunday with Northerly winds.

Forecast Confidence



Saturday 3/9/24

Calm winds after Friday rains can allow for fog formation Saturday AM.

Forecast Confidence



Chance for Fog

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

Houston Pilots Visibility Chart (miles)



Time	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
610 Bridge	9	2	2	0.7	0.5	0.5	0.2	0.2	2	8	10	10	10	10	10	10	10	10	10	10	10	10	10	8
Kinder 1	5	2	0.5	0.2	0.5	0.5	0.2	0.2	2	8	10	10	10	10	10	10	10	10	10	10	10	10	10	6
Greens Bayou	4	0.7	0.2	0.2	0.2	0.2	0.2	0.2	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	6
Shell Crude	4	0.7	0.2	0.2	0.2	0.2	0.2	0.2	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	6
Lynchburg Ferries	3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	5	10	10	10	10	10	10	10	10	10	10	10	10	10	6
Exxon 3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4	10	10	10	10	10	10	10	10	10	10	10	10	9	6
Morgans Point	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	4	10	10	10	10	10	10	10	10	10	10	9	6	4
75/76	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	1	0.5	0.5	9	9	10	9	5	1	0.2	0.2	0
63/64	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	1	2	1	8	8	9	8	2	0.5	0.2	0.2	0
51/52	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	1	2	2	5	5	5	5	0.2	0.2	0.2	0.2	0
37/38	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	1	2	2	4	4	4	2	0.2	0.2	0.2	0.2	0
25/26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	1	2	2	2	1	1	0.7	0.2	0.2	0.2	0.2	0
11/12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	3	2	2	0.2	0.2	0	0	0	0	0	0	0
1 & 2 Bravo	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	2	3	2	3	0.2	0.2	0	0	0	0	0	0	0

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Houston Pilots Wind Chart



Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

Example

WS: 13
G:18
N

Time Knots	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
610 Bridge	3	3	3	2	2	3	3	3	3	4	4	4	4	4	5	5	5	4	3	4	4	4	4	4
	7	6	4	4	4	5	5	4	5	7	7	8	8	8	10	11	10	8	7	8	8	9	9	8
	SSE	SE	S	SSE	SSW	SSW	N	NW	WNW	WNW	W	WNW	NW	NW	NW	NW	NE	ESE	SE	SSE	SSE	S	S	
Kinder 1	3	3	3	2	2	3	3	3	3	4	4	4	4	4	5	5	5	4	3	4	4	5	4	4
	7	7	5	4	4	5	4	5	6	8	7	8	7	8	10	10	10	8	7	8	8	9	8	7
	SSE	SE	SSE	SSE	SSW	SSW	N	N	WNW	WNW	W	WNW	WNW	NW	NW	NW	NE	ESE	SE	SSE	SSE	S	S	
Greens Bayou	3	3	3	3	2	2	2	3	3	4	3	4	4	4	5	5	5	4	4	4	4	4	4	3
	7	6	5	4	4	4	4	5	6	7	7	7	7	8	10	10	10	9	8	8	8	8	8	7
	SSE	SE	SE	SSE	S	S	N	NE	W	WNW	W	W	WNW	WNW	WNW	NNW	N	NE	ESE	SE	SSE	S	SSE	
Shell Crude	3	3	3	3	2	3	3	3	3	4	3	3	3	4	4	5	5	4	4	4	4	4	4	3
	7	6	5	4	4	5	5	5	6	7	7	7	7	7	9	10	9	9	8	8	8	9	8	7
	SSE	SE	SE	SSE	S	S	N	N	W	WNW	WNW	WNW	NW	WNW	NW	N	ENE	ESE	SE	SSE	S	S	SSE	
Lynchburg Ferries	3	3	3	3	2	2	3	2	3	3	3	3	4	4	5	5	4	4	4	4	4	4	3	3
	7	6	5	5	4	4	4	4	5	7	7	7	7	8	9	10	9	8	8	8	7	8	7	6
	SSE	SSE	SSE	SSE	SSE	SE	NE	ENE	WSW	WNW	W	W	NW	W	W	N	N	E	SE	SSE	SSE	SSE	SSE	SSE
Exxon 3	3	3	3	3	2	2	3	2	3	3	4	4	4	5	5	5	5	5	6	5	5	5	4	4
	7	6	6	5	4	4	5	4	6	7	8	8	9	9	10	11	10	10	8	8	8	8	7	
	SSE	SSE	SE	SSE	SE	E	NE	NNW	W	WNW	WNW	W	W	SW	SSE	E	ESE	SE	SSE	SSE	SSE	S	SSE	SSE
Morgans Point	4	3	3	2	2	3	3	3	3	3	3	4	4	4	5	5	5	6	6	5	5	5	4	3
	7	7	7	4	4	4	5	4	6	6	7	8	8	8	9	9	10	10	8	8	8	8	7	
	SSE	SE	SE	SSE	SSE	E	NNE	WNW	WNW	WNW	WNW	SSW	SSW	S	SSE	SE	SE	SSE	SSE	S	S	SSE	SSE	
75/76	7	5	5	3	3	3	3	3	4	4	4	4	5	5	6	7	8	10	10	9	9	7	7	6
	10	8	7	4	4	4	5	4	6	7	8	8	10	10	12	12	13	14	15	13	13	10	10	9
	SE	SE	SE	S	S	NNE	NE	NNW	NW	NW	WSW	SSW	SSE	S	SSE	SSE	SSE	SE	SSE	SSE	S	S	S	S
63/64	7	5	5	3	2	2	3	3	4	3	4	4	5	5	5	6	8	9	9	9	8	7	6	6
	9	6	7	4	4	4	4	4	6	7	8	9	10	11	12	12	13	14	14	13	12	9	9	9
	SE	SE	SE	S	S	N	NNE	WNW	NNW	NW	W	S	SSE	S	SE	SSE	SSE	SSE	SSE	S	S	S	S	S
51/52	5	4	5	4	2	2	2	3	4	3	4	4	5	5	5	5	7	9	9	8	7	6	5	5
	8	6	8	6	4	4	4	5	6	7	8	8	9	9	10	11	12	13	13	12	10	8	8	7
	SE	SE	SE	NW	S	NE	N	NW	NNW	NW	N	S	S	SSE	SE	SSE	SSE	SSE	S	S	S	S	S	S
37/38	5	4	6	3	2	2	2	3	4	4	4	4	5	5	5	6	7	9	8	8	7	6	6	5
	7	6	8	6	4	4	4	5	7	7	8	8	9	9	10	10	12	13	12	12	10	9	9	6
	SSE	SE	SE	SE	WNW	NE	N	NW	NNW	WNW	N	S	SSW	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S
25/26	4	4	5	3	3	2	3	3	3	3	4	4	5	5	5	5	7	8	8	7	6	5	5	4
	6	6	8	7	4	4	4	5	7	7	8	8	9	9	9	9	11	12	12	11	9	8	8	7
	SE	SE	SE	SE	WNW	N	NNE	NW	NNW	WNW	NNE	S	SW	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S
11/12	4	4	4	5	3	2	3	3	3	3	3	4	5	5	5	5	7	6	6	5	5	4	4	3
	7	7	7	9	6	4	4	5	6	6	7	8	9	7	8	8	9	9	9	8	7	8	6	6
	SE	SE	SE	SE	W	NW	N	NW	NNW	NNW	N	E	NE	SSE	SSE	S	S	S	S	S	S	S	S	S
1 & 2 Bravo	6	6	6	7	5	4	4	4	4	3	5	4	4	5	5	5	7	7	8	7	7	7	6	6
	8	9	9	12	8	8	6	7	7	7	8	7	8	8	9	9	10	10	12	11	10	10	10	9
	SE	SE	SE	SE	SW	WNW	NNW	NNW	NNW	N	NW	W	S	S	S	S	S	S	S	S	S	S	S	SSW

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Houston Pilots: Tue. 3/5/2024

Forecast Discussion

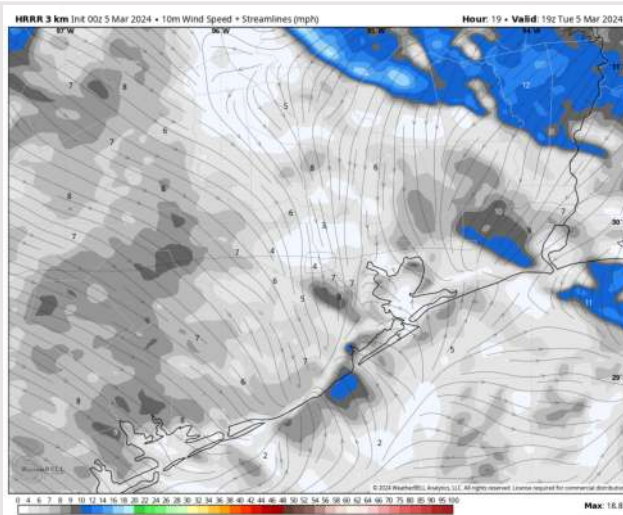
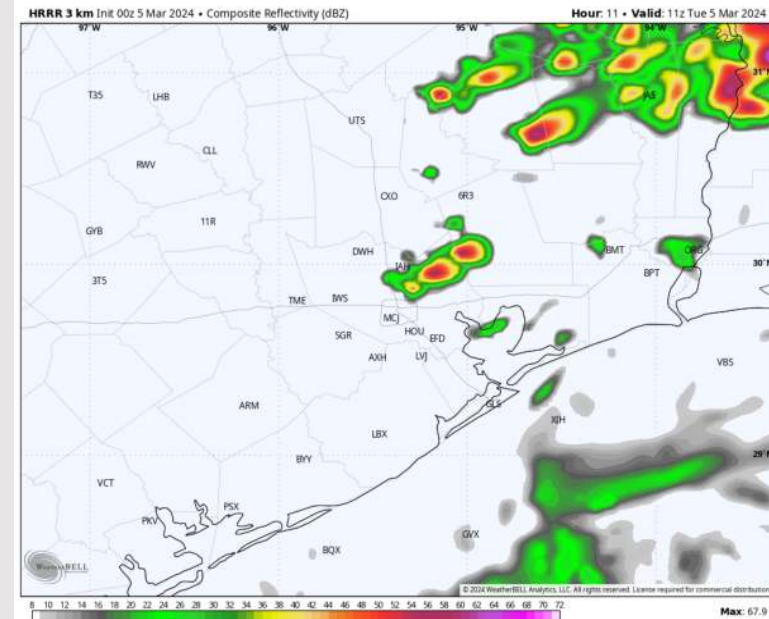
Precip: An advancing front will bring showers and storms through 7-8 AM. Main risks with storms will be lightning and small hail. Isolated showers (10-20%) will then continue through 6PM.

Wind: Winds will be variable through much of the day, settling out of the S/SE by 7 PM. **N of Morgan's Point:** Winds at 3 – 7 kts throughout Tuesday. **S of Morgan's Point:** Winds slightly elevated at 7-12 kts through 4 AM with the passing front, but will calm to 4-8 kts thereafter. **With the passage of the front wind gusts of 20 – 25 kts will be possible through 7 AM. Although the risk is generally low, we cannot rule out thunderstorm induced wind gusts of 40 – 45 MPH to be possible (better risk N of Stations).**

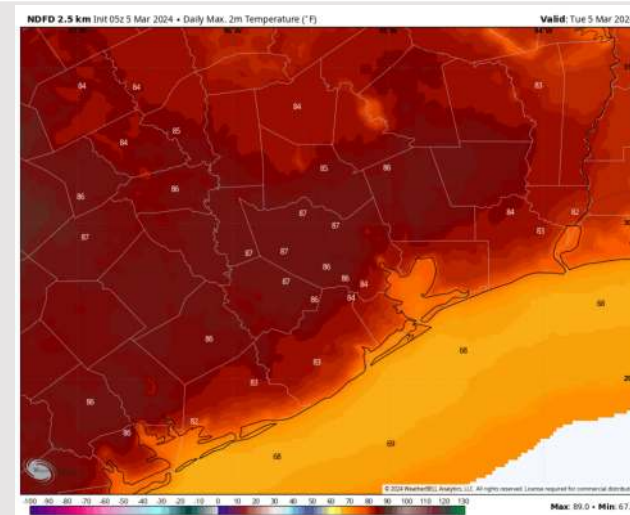
High Temps: **N of Morgan's Point:** Mid 80s F. **S of Morgan's Point:** Low 70s-Upper 60s F.

Visibility: Patchy to widespread dense fog will be a risk throughout the morning. Visibility will slightly improve moving into the early afternoon with the risk possibly becoming dense once again through this evening. **More details in visibility slide.**

Precip Image: 5 AM CT



Wind Speed:
1 PM CT



High Temps
Today

Houston Pilots: Wed. 3/6/2024

Forecast Discussion

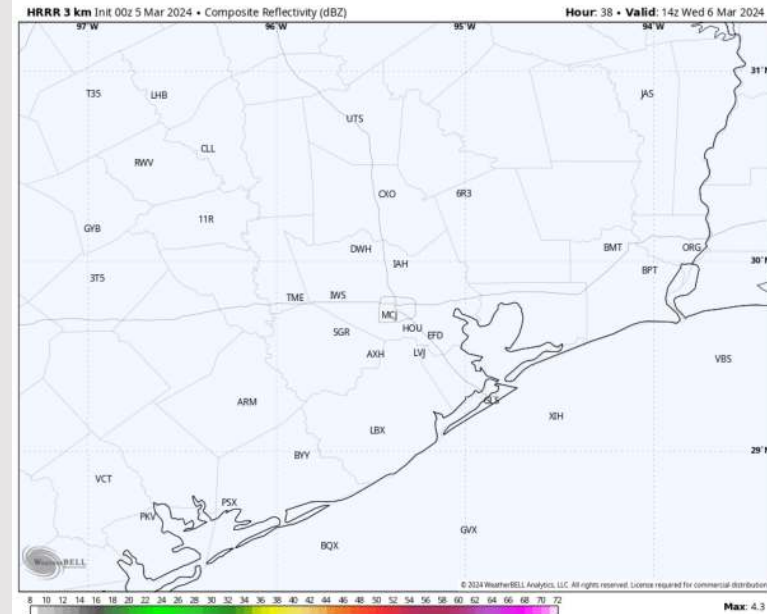
Precip: Dry conditions favored for Wednesday.

Wind: Winds out of the S initially will become variable by 3 AM, then settle out of the S/SE by 2 PM. **N Morgan's Point:** 3-8 kts throughout the day. **S of Morgan's Point:** Winds at 4 - 9 kts through 7 PM before increasing slightly to 6-11 kts.

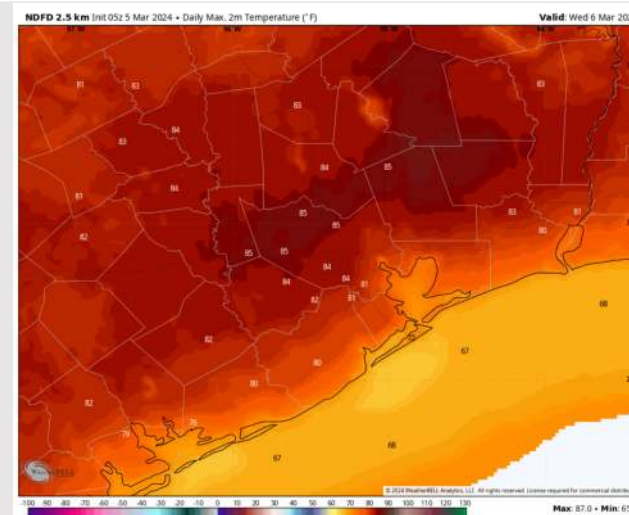
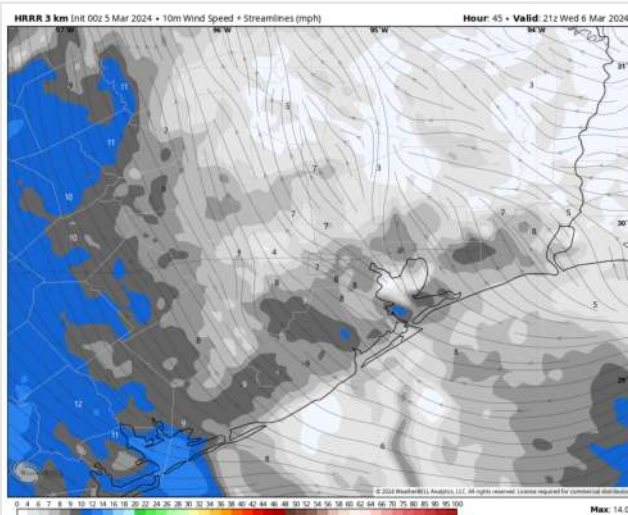
High Temps: **N of Morgan's Point:** Low 80s F. **S of Morgan's Point:** Upper 60s-Low 70s F.

Visibility: Lower confidence at this time, but calm wind out of the SW WED AM can make adequate conditions for sea fog formation that can linger into the PM.

Precip Image: 8 AM CT



Wind Speed:
3 PM CT



High Temps
Wednesday

Houston Pilots: Thu. 3/7/2024

Forecast Discussion

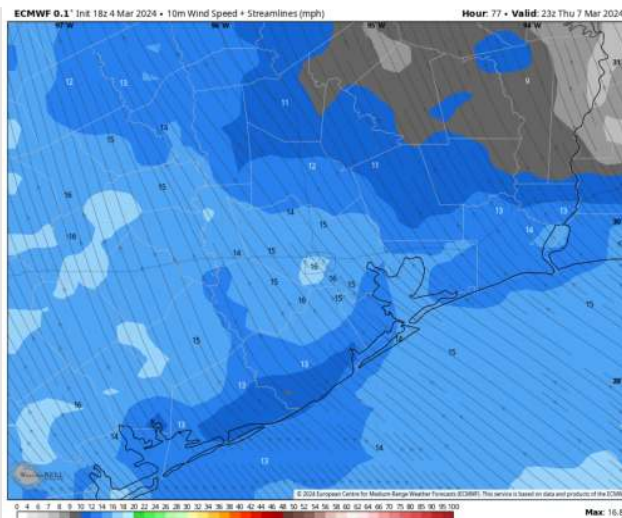
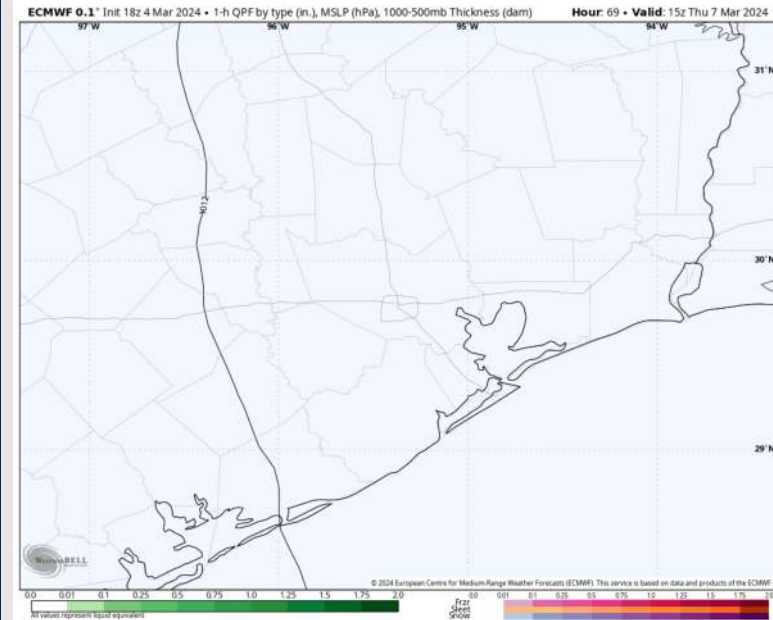
Precip: Dry conditions favored for Thursday

Wind: Winds will be out of the S/SE throughout the day. **N Morgan's Point:** 3-8 kts through 11 AM before increasing to 9-14 kts the rest of the day. **S of Morgan's Point:** Winds will be 9-14 kts throughout the entire day on Thursday.

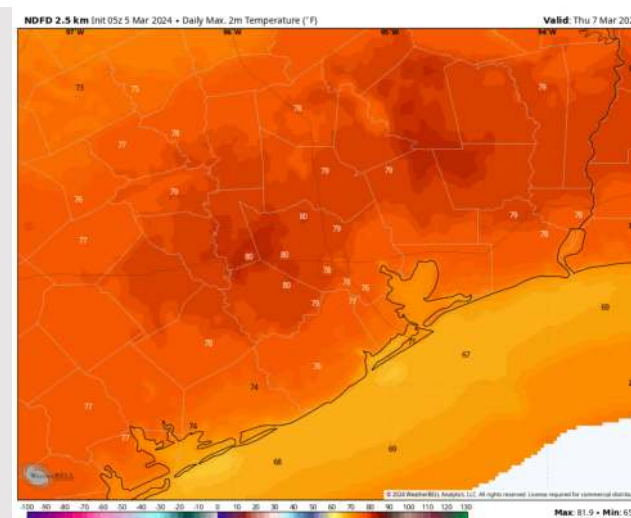
High Temps: **N of Morgan's Point:** Mid 70's F. **S of Morgan's Point:** Upper 60s F.

Visibility: Winds out of the S/SE will help make for favorable conditions for fog development THU AM before winds increase in speed. Lower confidence as to how widespread coverage will be THU AM.

Precip Image: 9 AM CT



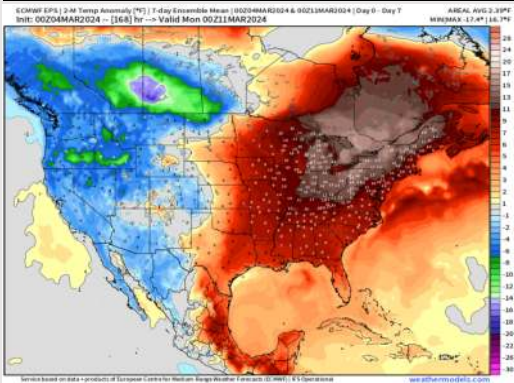
Wind Speed:
5 PM CT



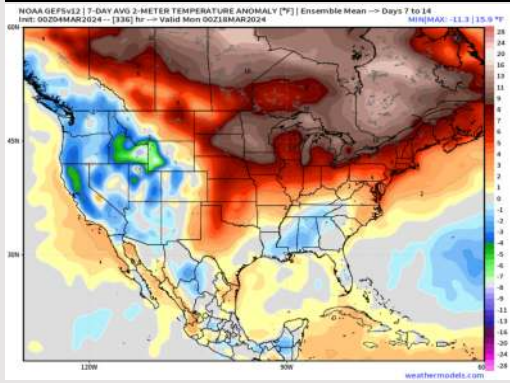
High Temps
Thursday

Houston Pilots: 3/5/24

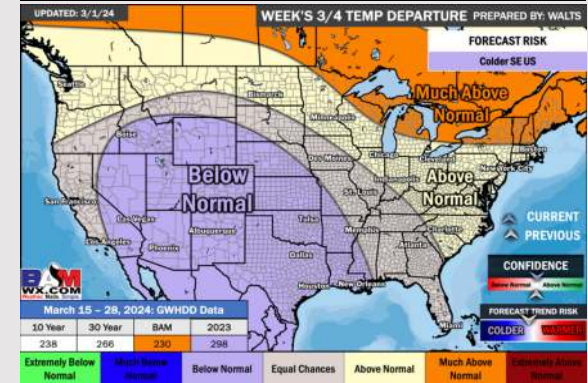
Next 7 Day Temperature Departure



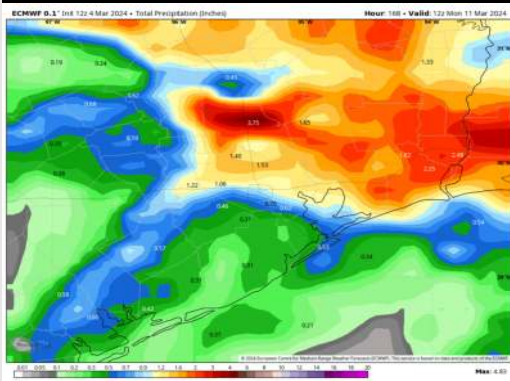
8-14 Day Temperature Departure



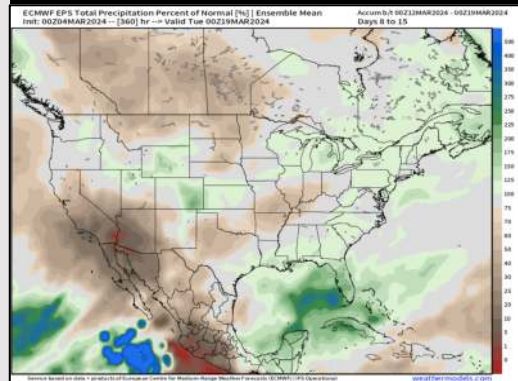
15-30 Day Temperature Departure



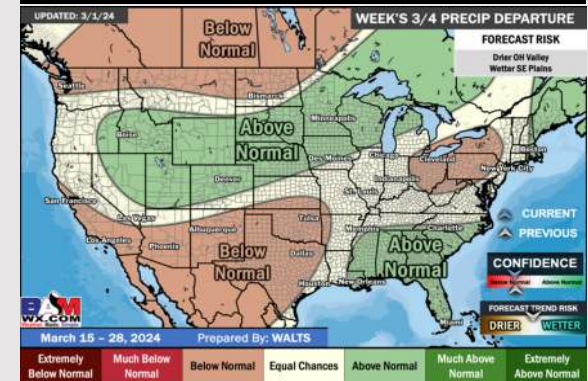
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- Scattered rain chances continue this AM. 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 seasonable to slightly above normal.
- Below normal temperatures and seasonable chances for precipitation are favored in the weeks ³/₄ timeframe.