

Houston Pilots Forecast Package



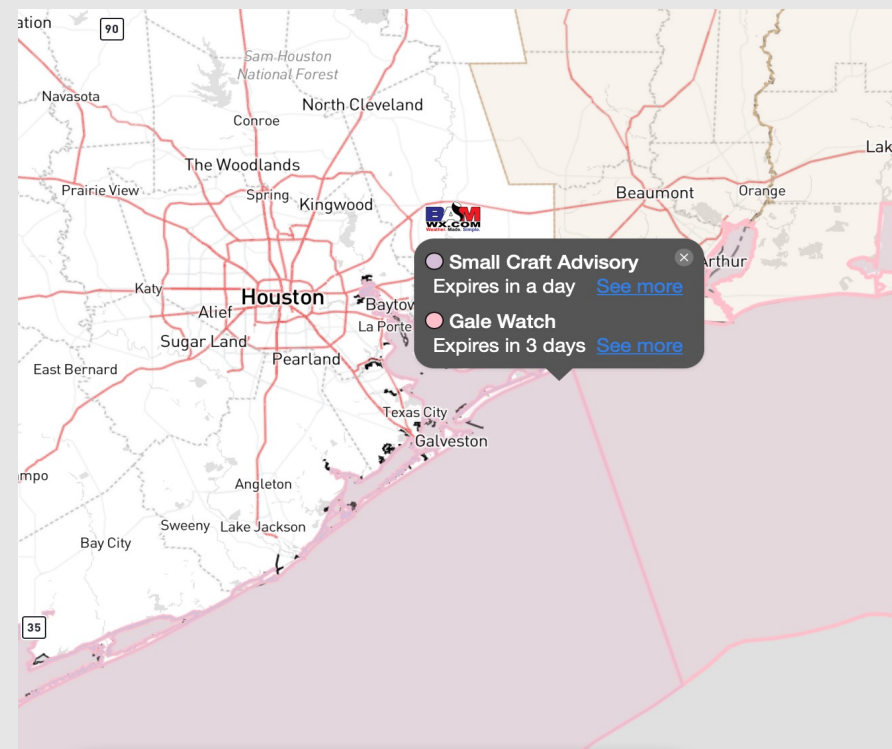
Updated: 1:20 AM CT

Sunday, January 7, 2024

Forecaster: Jonathan Kipper

Weather Headlines

- Favoring a dry rest of the weekend. Watching Monday AM ~7 AM at the earliest for rain chances to enter.
- Winds will remain generally calm throughout this morning, however watching for strong gust potential starting this afternoon with incoming rain showers and continue to start the week.
- **Anticipating reduced visibilities to be possible with rain chances/storms on MON with a low end fog threat prior.**
- **A low end-severe threat will be possible with storms on Monday as well.**



Radar/NWS Alerts: 1:15 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 Extended Range Visibility Report



Wednesday 1/10/24

No visibility concerns for Wednesday.

Forecast Confidence



Friday 1/12/24

No visibility concerns for Friday.

Forecast Confidence



Thursday 1/11/24

No visibility concerns for Thursday.

Forecast Confidence



Chance for Fog

Wednesday AM	Unlikely
Wednesday PM	Unlikely
Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Time	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	Mon 12am	Mon 1am	Mon 2am	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	2	2	2	2	
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	4	4	2	2	
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	6	6	2	2	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8	2	2	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	2	2	
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	2	2	
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	4	2	
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	4	2	
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	3	2	
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	7	7	7	

NOTE: This is the Visibility Log from the AM update. Currently dealing with data issues on initializing hourly visibility data. Check SAT PM slide for more details.

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	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	Mon 12am	Mon 1am	Mon 2am	Mon 3am	Mon 4am	Mon 5am	Mon 6am	Mon 7am	Mon 8am	Mon 9am	Mon 10am	Mon 11am
610 Bridge	2	1	2	2	2	2	2	1	3	2	4	4	5	5	5	7	7	8	9	9	9	9	10	11	11	12	12	13	14	15	16	17	18	18	18	20	21
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	NNE	SE	SSW	NNE	NNE	NNE	ENE	NE	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE
Kinder 1	2	1	1	2	2	2	2	1	3	2	4	4	5	5	5	7	7	8	8	8	9	9	10	11	11	11	12	13	14	15	16	17	18	18	18	20	21
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	NNE	SE	SSE	NNE	NNE	NNE	ENE	NE	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	
Greens Bayou	3	1	1	2	2	2	2	1	3	2	4	4	5	5	5	6	7	8	8	8	9	9	10	11	11	11	12	13	13	15	16	17	18	18	18	20	21
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Shell Crude	2	1	1	2	2	2	2	1	3	2	4	4	5	5	5	6	7	8	8	8	9	9	10	11	11	11	12	13	14	15	16	17	18	17	18	20	21
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Lynchburg Ferries	3	1	1	2	2	2	2	1	3	2	4	4	5	5	5	6	8	8	8	8	9	10	11	11	11	12	12	13	14	16	17	17	18	17	18	20	20
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Exxon 3	3	1	2	3	2	2	2	2	3	2	3	4	5	5	5	6	8	9	9	9	10	10	11	11	12	12	13	14	14	16	17	17	18	17	18	20	20
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Morgans Point	4	2	3	3	3	3	3	4	4	4	5	6	6	6	6	5	9	10	10	11	11	12	13	13	14	14	14	15	15	16	17	18	18	18	19	21	
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63/64	8	6	4	5	6	7	7	7	7	8	8	8	8	7	6	8	10	12	14	15	15	16	17	18	19	18	18	19	18	19	20	20	20	19	19	20	20
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25/26	9	7	4	6	6	6	7	6	7	7	7	7	8	9	9	9	11	11	12	13	13	14	15	16	16	16	16	17	17	17	18	19	19	19	20	21	
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11/12	9	7	5	5	6	6	7	7	7	8	8	8	8	9	10	10	9	11	11	12	13	14	14	15	16	17	16	16	17	17	17	18	19	19	19	20	21
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1 & 2 Bravo	11	9	6	6	8	8	9	9	9	9	9	10	10	11	11	11	12	14	15	16	17	18	19	19	21	20	20	20	21	21	21	21	22	21	21	20	21
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NOTE: This is the wind Log from the AM update. Currently dealing with data issues on initializing hourly wind data.
Check SAT PM slide for more details.

Houston Pilots: Sun. 01/07/2024

Forecast Discussion

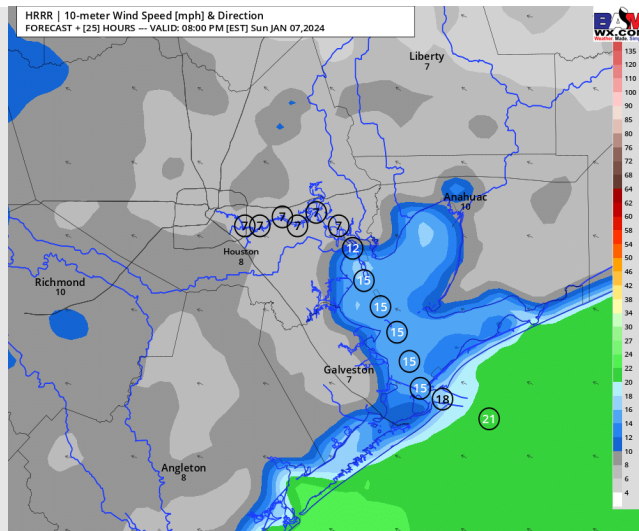
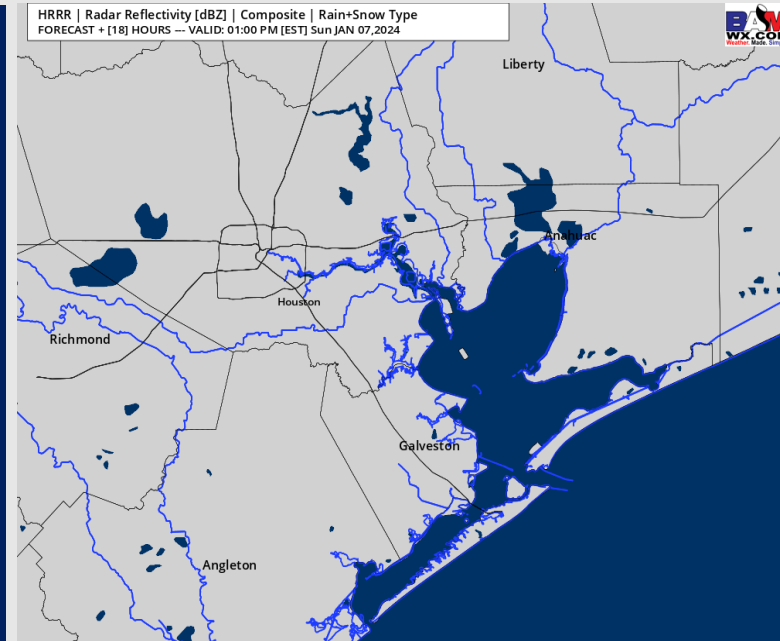
Precip: Favoring dry conditions to continue through today.

Wind: Winds from the NE will veer clockwise to being out of the E by 10 AM and SE by 7 PM. **N Morgan's Point:** 3- 7kts through 4PM before increasing to 5 - 10 kts. **S of Morgan's Point:** 5 - 10 kt through 4 PM before increasing to 9 - 14 knots, then to 12 - 17 kts by 8 PM. The Boarding station will remain at 7 - 12 kts, increasing to 12 - 17 kts by 4 PM, then 17 - 22 kts by 7 PM. **Gusts of up to 25 kts cannot be ruled out after 6 PM for stations S of Morgan's Point and up to 30 kts at the Boarding Station after 9 PM.**

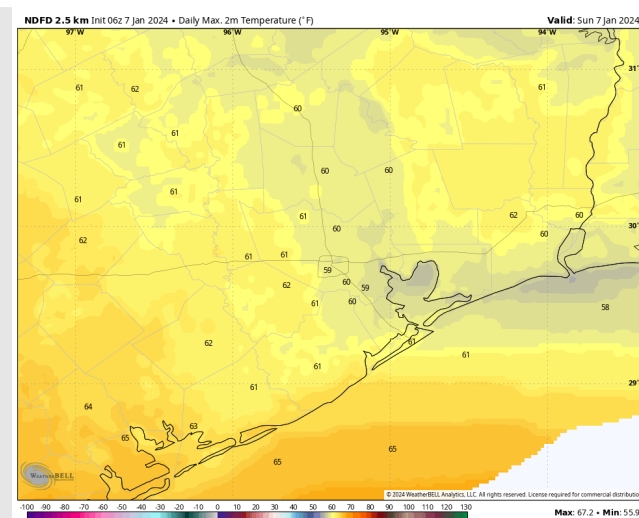
High Temps: **N of Morgan's Point:** Near 60 F. **S of Morgan's Point:** Lower 60s F.

Visibility: No visibility concerns for today.

Precip Image: 12 PM CT



Wind Speed:
7 PM CT



High Temps
Today

Forecast Discussion

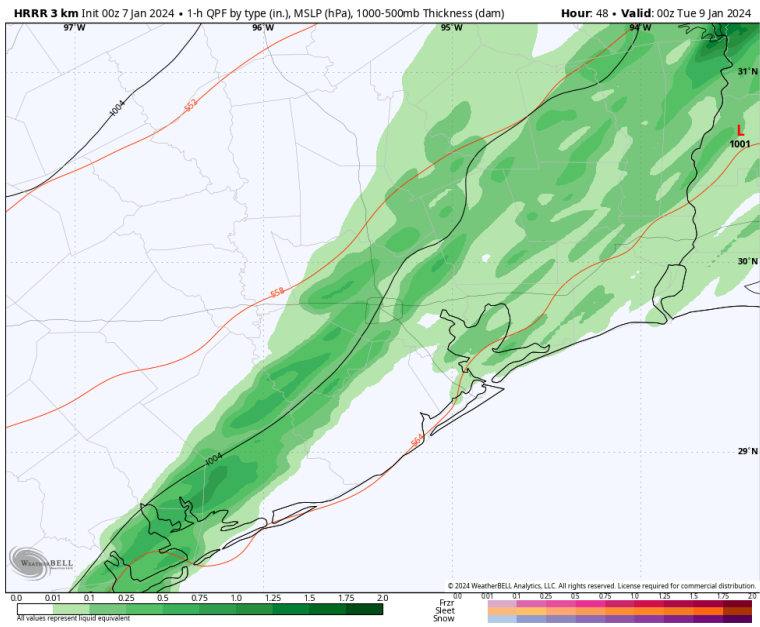
Precip: Anticipating showers/storms to push in from the West around 7-9 AM MON. While there is lower confidence at this time, storms will have potential to be severe in nature. Main threats will be gusty winds of up to 40 kts with locally higher gusts. Small hail and an isolated tornado cannot be ruled out mainly from 10 AM - 8 PM (timeframes will need narrowed down). Anticipating Storms to be out of the area by 9 PM CT with lingering light showers the rest of the evening

Wind: Winds are expected to be out of the SE through 4 PM before being out of the SW. Winds will then be out of the NW after storms pass after 9 PM. **N of Morgan's Point:** 12 - 17 kts through 8 PM before decreasing to 10-15 kts. **S of Morgan's Point:** 16 - 21 kts in the AM, increasing to 18 - 23 kts in the afternoon. Winds decrease to 15-20 kts after 9 PM. The **Boarding Station** follows the similar progression with speeds higher by a factor of about 2 kts. (18 - 23 kts prior to noon, 20 - 25 kts thereafter). **Under any strong storm cells in the AM, gusts locally of up to 40 kts cannot be ruled out. Most locations will pose the risk for at least 28 - 33 kt gusts under cells, with sustained gusts all day of 25-30 kts towards the Boarding Station**

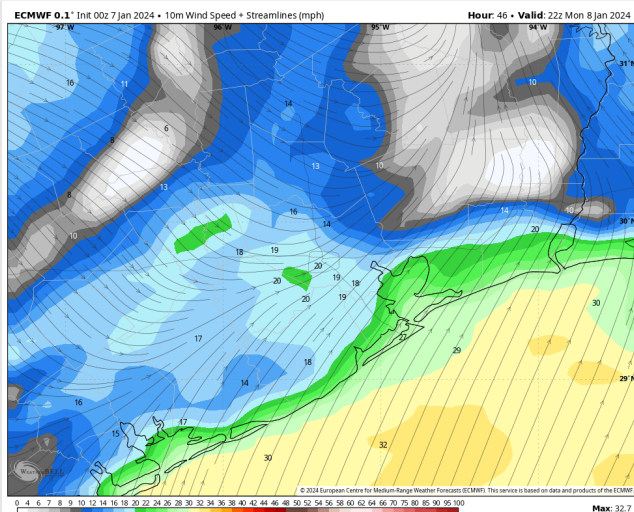
High Temps: Significantly warmer ahead of a cold front. **N of Morgan's Point:** Low 70s F **S of Morgan's Point:** Upper 60s F

Visibility: A low end fog risk MON AM ahead of rain chances, however reduced visibilities of 2-4 miles will be possible under any storm throughout the day on Monday

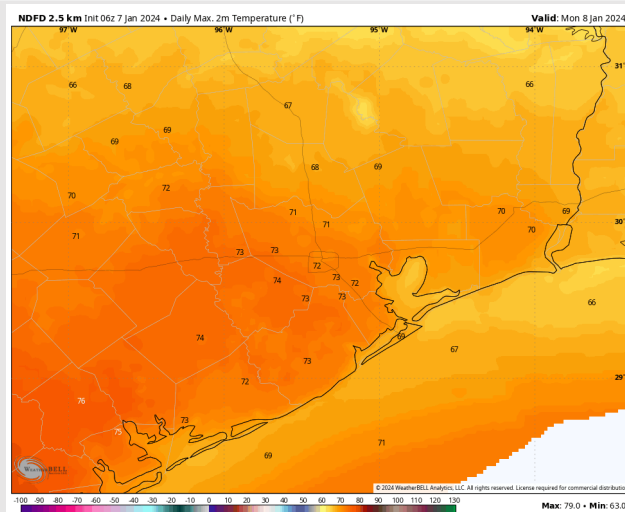
Precip Image: 6 PM CT



Wind Speed:
4 PM CT



High Temps
Monday



Houston Pilots: Tue. 01/09/2024

Forecast Discussion

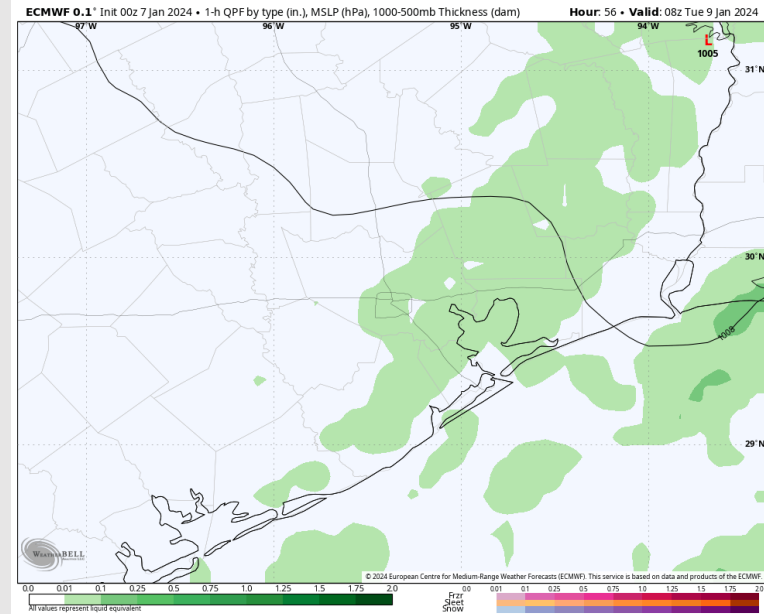
Precip: Favoring dry conditions for TUE outside of light scattered rain lingering through ~7 AM from Monday's activity.

Wind: NW winds the entire day TUE. **N Morgan's Point:** Winds at 10-15 kts through 12 PM, then increase to 13-18 kts. After 9 PM, winds die down to 3-8 kts. **S of Morgan's Point:** 20-25 kts through 5 PM before gradually decreasing to 12-17 kts by 8 PM and 8-13 kts by 11 PM. **Wind gusts of 30-35kts will be possible at all stations from 9 AM to 5 PM TUE.**

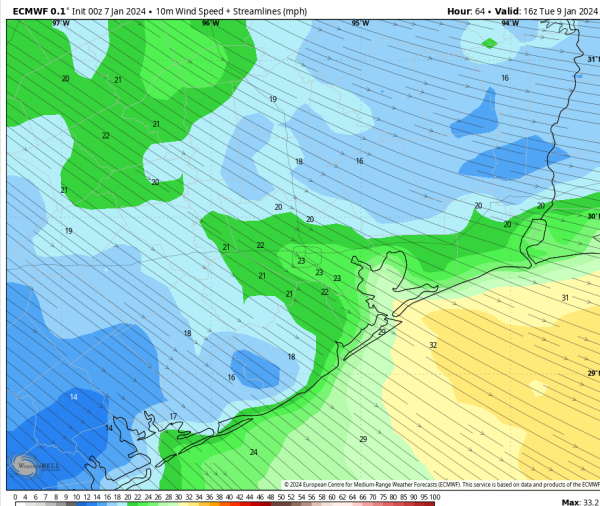
High Temps: Significantly cooler **N of Morgan's Point:** Mid 50s F. **S of Morgan's Point:** Mid 50s F.

Visibility: Not anticipating any visibility concerns Tuesday.

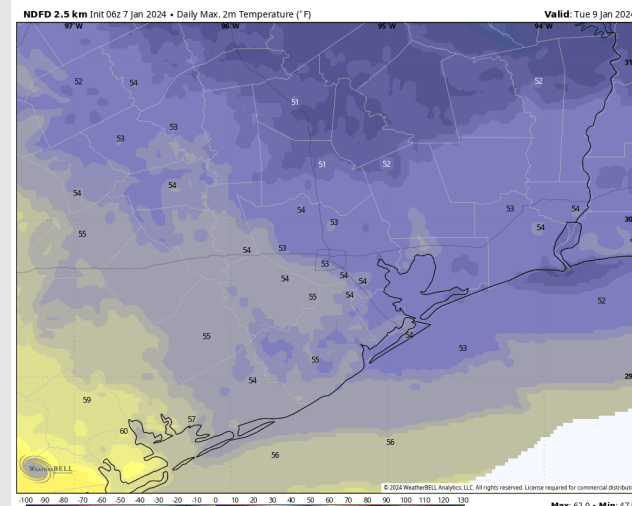
Precip Image: 5 AM CT



Wind Speed:
10 AM CT

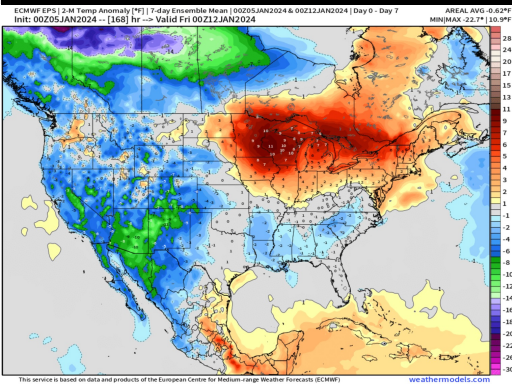


High Temps
Tuesday

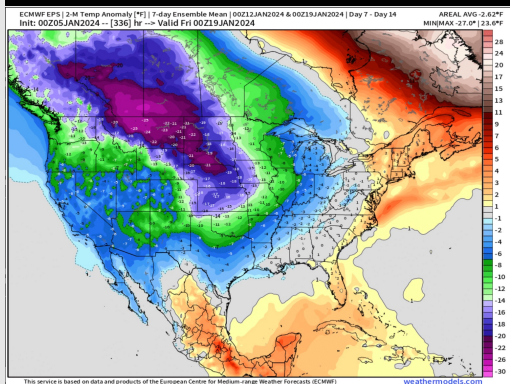


Houston Pilots: 1/7/24

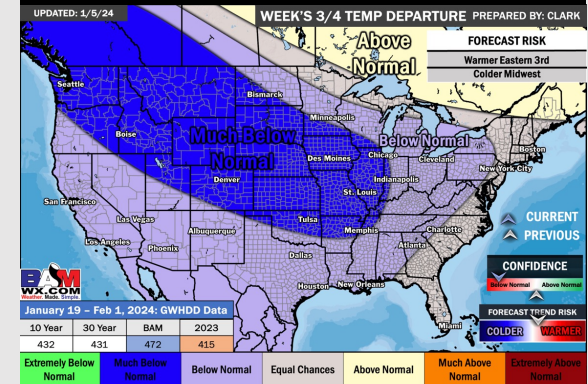
Next 7 Day Temperature Departure



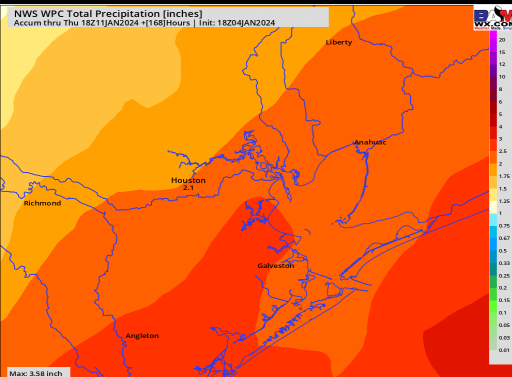
8-14 Day Temperature Departure



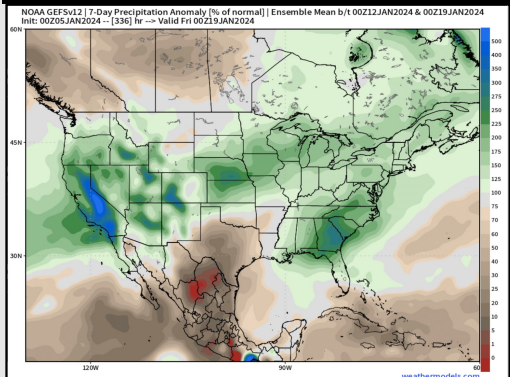
15-30 Day Temperature Departure



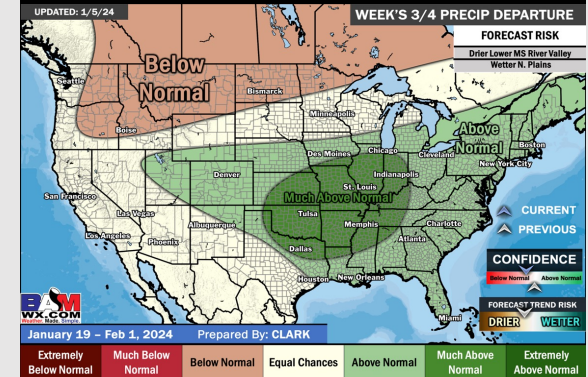
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- Next opportunities for rain will be Monday – Tuesday. Seasonable to slightly below normal temperatures for next week.
- Need to monitor for wetter trends towards the end of next week.
- Below normal temperatures and seasonal chances for precipitation are favored in the weeks $\frac{3}{4}$ timeframe.