

Houston Pilots Forecast Package



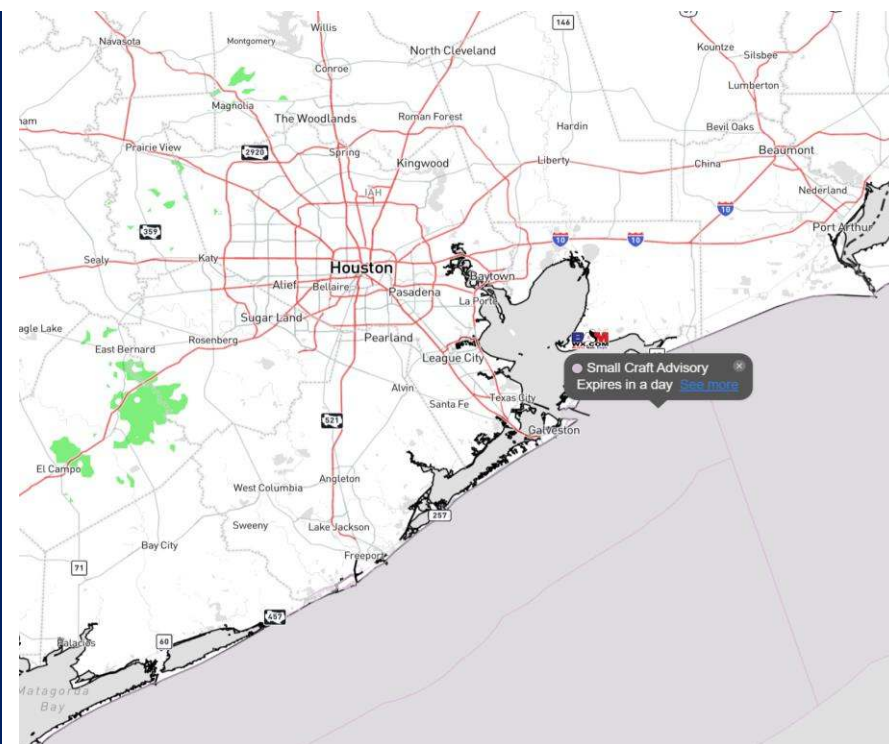
Updated: 10:15 AM CT

Sunday, January 21, 2024

Forecaster: Xander Lowry

Weather Headlines

- Dry conditions favored this morning, however scattered showers expected to return this afternoon with heavy rainfall beginning MON.
- Winds expected to increase later this morning. They will become quite elevated this evening - Monday early PM
- A Zulu port condition has been issued due to anticipated wave heights to reach near 6 ft starting towards 6 PM CT SUN. Check the wave/text slide for more details
- While no visibility concerns are favored for the remainder of the weekend, Sea fog threats look possible starting TUE/WED with numerous shots of showers/thunderstorms. Low confidence exists if sea fog can be observed due to heavy rain and gusty winds helping to mix the atmosphere. Nonetheless, the "ingredients" are still present for sea fog risks



Radar/NWS Alerts: 10:06 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 Wave Height Update



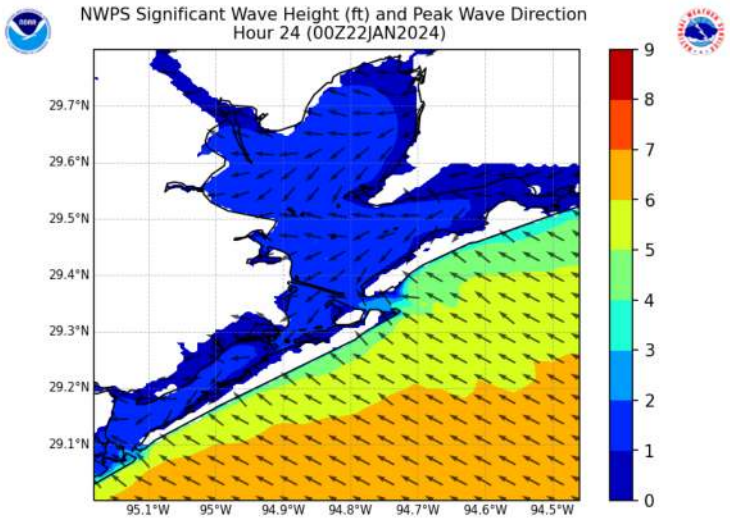
Port Condition	34 KTS+ Sustained Winds	6 Foot Waves	Time Remaining/Trigger End
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	NO	N/A	N/A
Yankee	NO	N/A	N/A
Zulu	NO	IN EFFECT	12 AM CT TUE

Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	Yes
Yankee	24 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	Yes
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	Yes

- Please view the following slide for a visual representation regarding increasing wave heights tomorrow during the early afternoon. 4–5-foot waves can start to develop near 6 AM CT this morning. Waves would not start reaching the 6-foot threshold until roughly 6 PM in the afternoon but note the risk time would be 3 PM CT at the earliest to see an occasional 6 -ft swell.
- From **6 PM today - 3 PM MON waves will be capable of exceeding 6 ft. Peak waves will occur near 12 AM MON - 3 PM MON** before waves start to decline into the afternoon/evening
- Favoring waves to be 4 -6 ft by 9 PM ET Monday evening. With heights of <6 ft after midnight Tuesday.

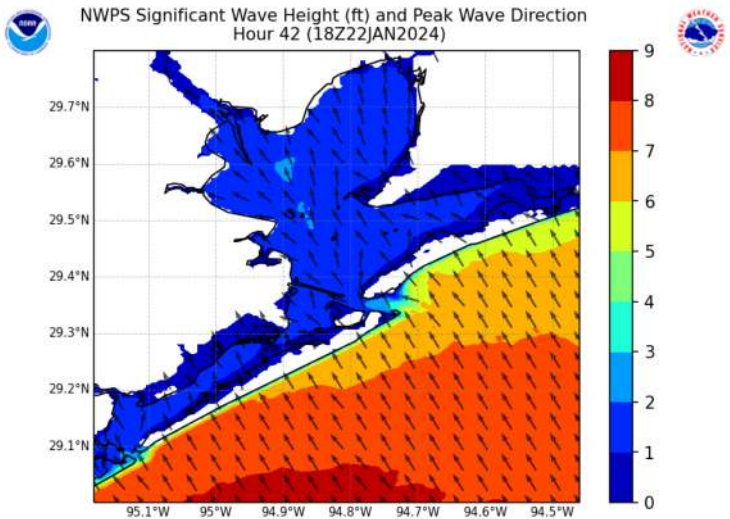
Houston Pilots Wave Height Update

Significant Wave Height Image



6 PM CT SUN

Wave heights will continue to increase throughout the late morning and into the afternoon. Earliest chances of seeing 6ft waves would be by 3PM-CT with waves reaching 5-7ft by 6PM.



12 PM CT MON
(Peak Heights)

Wave heights will continue to increase into the evening and early Monday morning, with peak waves reaching from 12 AM MON - 3 PM CT. Wave heights during this time can peak at 6 - 8 feet, with a few swells to 9 ft. Waves then begin a weakening process PM MON and becoming below 6 ft after 12 AM CT TUE.

Houston Pilots Extended Range Visibility Report



Wednesday 1/24/24

Monitoring potential for patchy fog to occur in gaps between showers Wednesday AM.



Friday 1/25/24

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



Thursday 1/25/24

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



Chance for Fog

Wednesday AM	Possible
Wednesday PM	Possible
Thursday AM	Likely
Thursday PM	Possible
Friday AM	Likely
Friday PM	Possible

Houston Pilots Visibility Chart (miles)



Forecast Confidence

Above Normal

Below Normal

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	9	9	10	6	5	3	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	9	9	10	7	6	4	3	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	9	9	10	7	7	5	4	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	9	9	10	7	7	5	4	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	9	9	10	7	7	5	4	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	9	9	10	7	7	5	4	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	9	9	10	7	7	5	4	3
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	6	4	4	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	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	7	7	8	8	8	8	9	9	9	10	10	10	11	11	10	10	11	11	12	12	12	14	16	16	16	16	16	16	16	16	16	16	18	17	18	16	16	
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Kinder 1	7	7	8	8	8	8	9	9	9	10	10	10	11	11	10	10	11	11	11	12	12	14	16	15	16	16	16	14	15	16	16	17	18	17	18	16	16	
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Greens Bayou	7	7	8	8	8	8	9	9	9	10	10	10	10	10	10	10	11	11	11	12	12	14	15	15	15	15	15	15	14	15	15	16	17	18	17	16	16	
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Shell Crude	7	8	8	8	8	8	9	9	9	10	10	10	10	10	10	11	11	11	11	12	12	14	15	15	15	15	15	15	14	15	16	16	17	16	18	17	16	
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Lynchburg Ferries	8	8	8	9	9	9	9	9	10	10	11	10	10	10	10	10	11	11	11	11	12	12	14	15	15	15	15	15	16	17	17	19	17	19	17	16	16	
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1 & 2 Bravo	17	17	17	18	18	19	19	20	21	22	21	22	20	20	20	21	21	23	22	23	23	22	22	22	22	20	21	20	20	21	22	22	21	21	21			
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Houston Pilots: Sun. 01/21/2024



Forecast Discussion

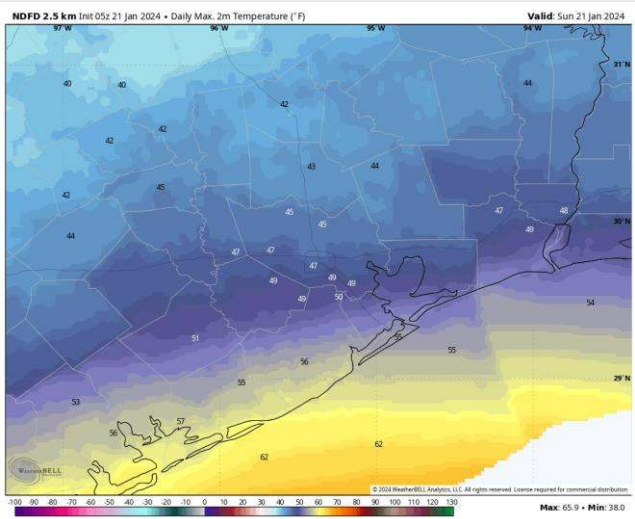
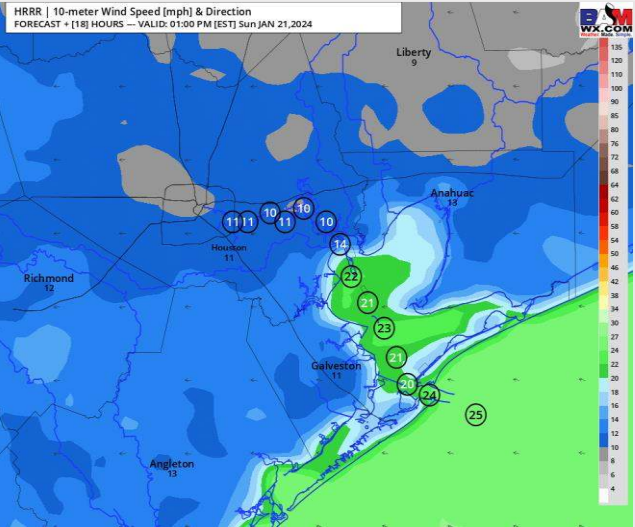
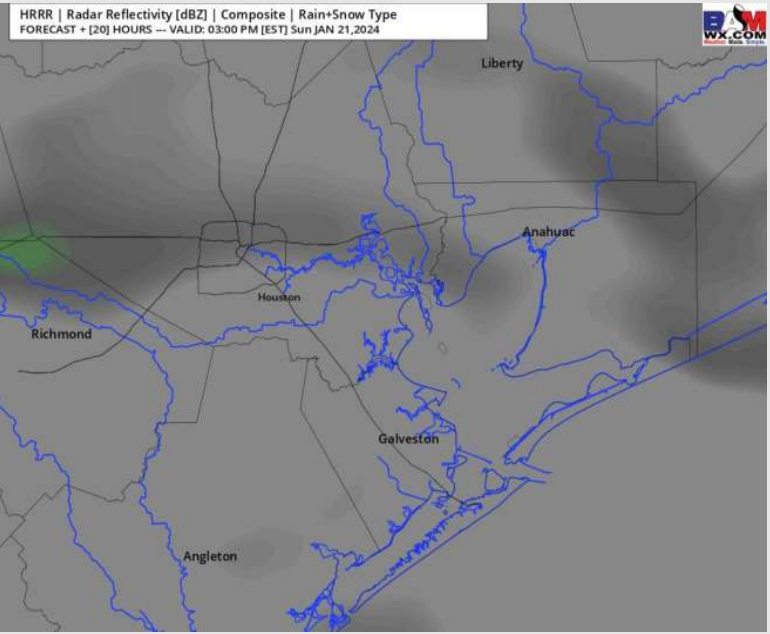
Precip: Dry conditions favored through 12 PM, with scattered shower/drizzle building in from the West after that time. Most coverage would not enter the area until roughly after midnight, keeping PM chances isolated (20%)

Wind: Winds will remain out of the ENE throughout the day Sunday before becoming more ESE near 10 AM - 12 PM. **N Morgan's Point:** Winds will be at 5 - 10 kts through 10 AM CT, increasing to 8-13 kts after that time. **S of Morgan's Point:** 13 - 18 kts prior to 6 AM, increasing to 17 - 22 kts thereafter. Winds near the Boarding Station can remain slightly higher at 22-27 kts after 9 AM **Wind gusts of up to 25 - 28 kts can be possible south of Morgan's Point.**

High Temps: **N of Morgan's Point:** Near 50s F. **S of Morgan's Point:** Low 50s F.

Visibility: No visibility concerns for today.

Precip Image: 2 PM CT



High Temps Today

Houston Pilots: Mon. 01/22/2024



Forecast Discussion

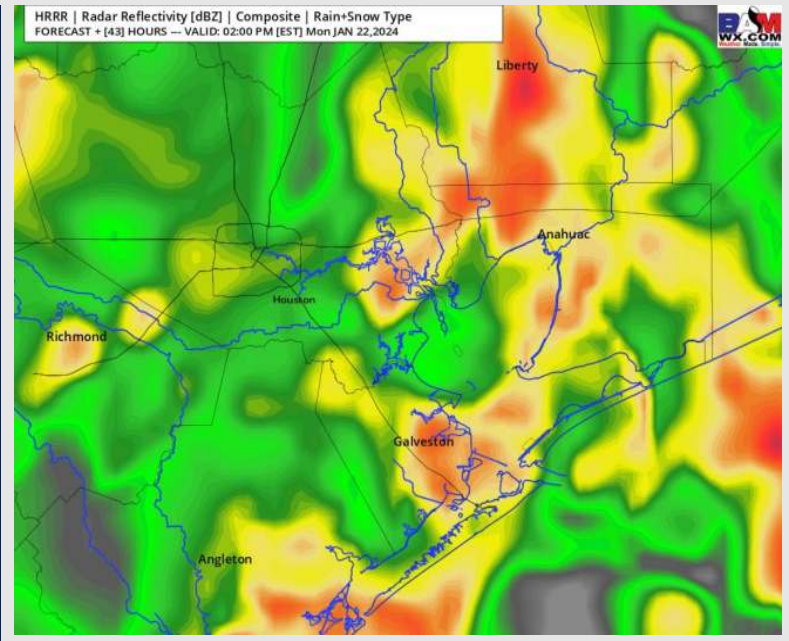
Precip: Scattered rain chances to continue through 5 AM MON before widespread moderate to heavy rain showers enter the area for the majority of the day on Monday. Chances can become slightly more scattered after 5 PM

Wind: Winds out of the SE through the AM MON before being out of the SSE during the PM hours. **N Morgan's Point:** 11-16 kts through 5 PM before a slight decrease to 7-12 kts. **S of Morgan's Point:** 17-23 kts through 5 PM before a slight decrease to 11-17 kts. **Wind gusts of up to 25-28 kts will be possible at all stations through ~6 PM MON.**

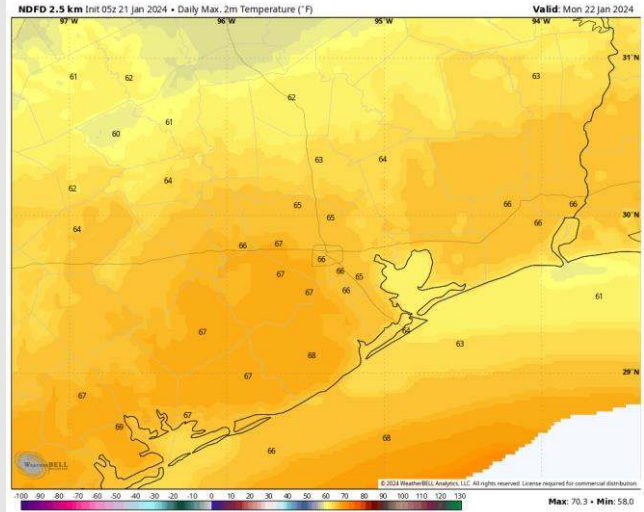
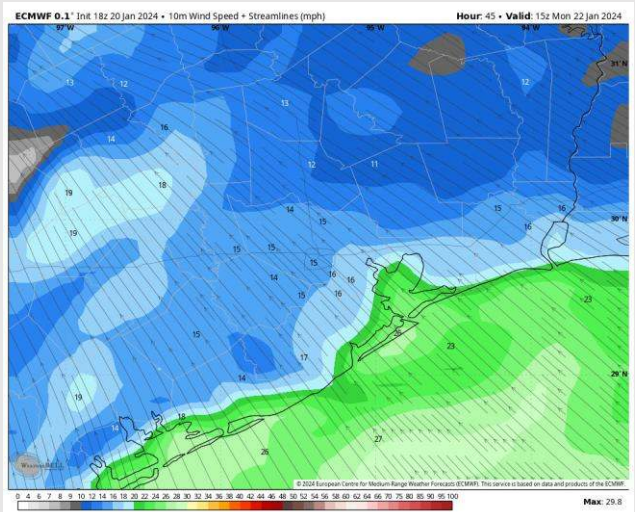
High Temps: **N of Morgan's Point:** Mid 60s F **S of Morgan's Point:** Low 60s F.

Visibility: Reduced visibilities will be possible under heavier downpours, with periods of fog able to mix in after 5 PM when rain becomes more scattered. Gusty winds however may limit widespread nature of PM fog

Precip Image: 12 PM CT



Wind Speed:
9 AM CT



High Temps
Monday

Forecast Discussion

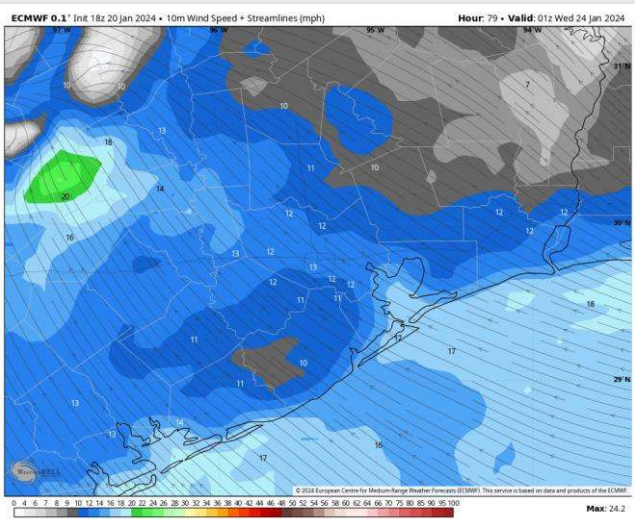
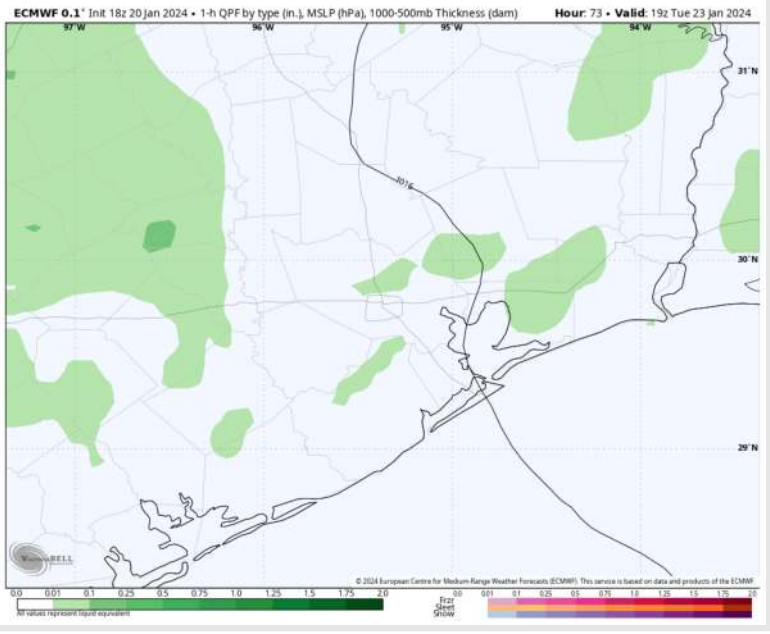
Precip: Scattered conditions to continue through ~1 PM TUE. After 1 PM, isolated pockets of rain will be possible, however better coverage will remain to the N/W.

Wind: Winds out of the SE the entire day TUE. **N of Morgan's Point:** 4-9 kts through 12 PM before an increase to 7-12 Kts. **S of Morgan's Point:** 8-13 kts through 4 PM before a slight increase to 11-16 kts

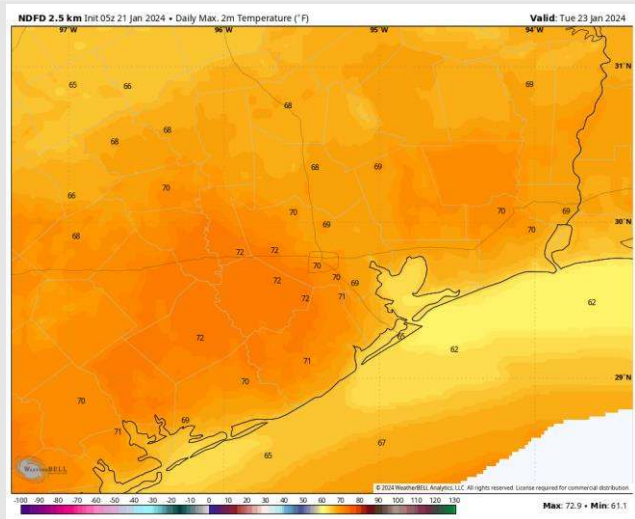
High Temps: **N of Morgan's Point:** Near 70 F **S of Morgan's Point:** Low 60s F

Visibility: Fog will continue to be a threat for TUE, with greatest risk in the PM hours. Lower confidence on exact coverage of fog.

Precip Image: 1 PM CT



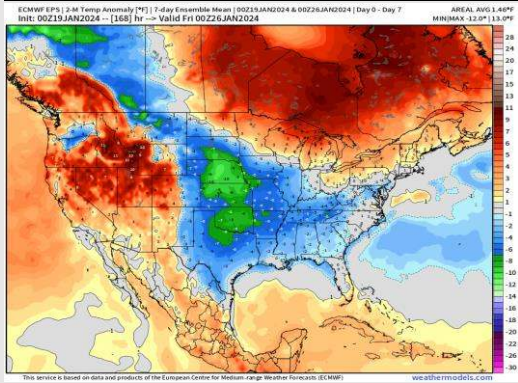
Wind Speed:
7 PM CT



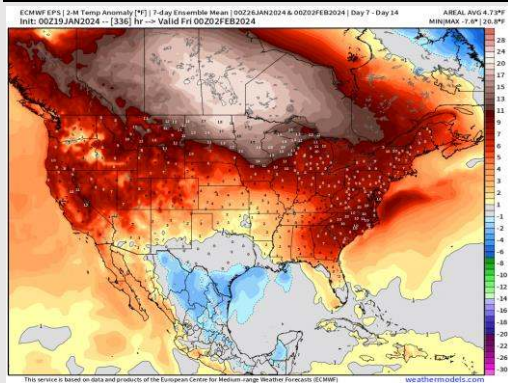
High Temps
Tuesday

Houston Pilots: 1/21/2024

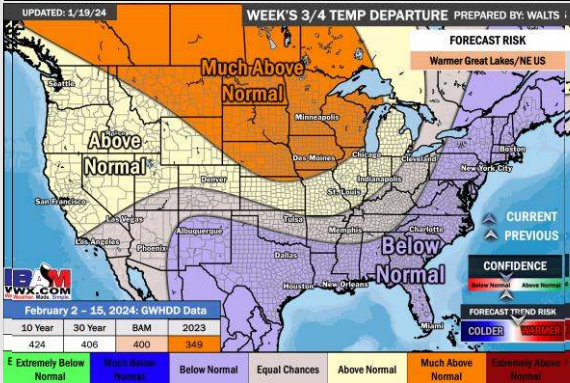
Next 7 Day Temperature Departure



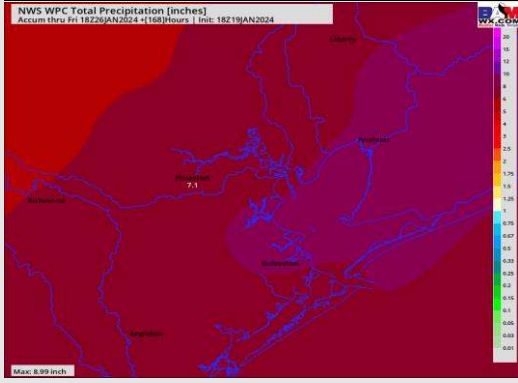
8-14 Day Temperature Departure



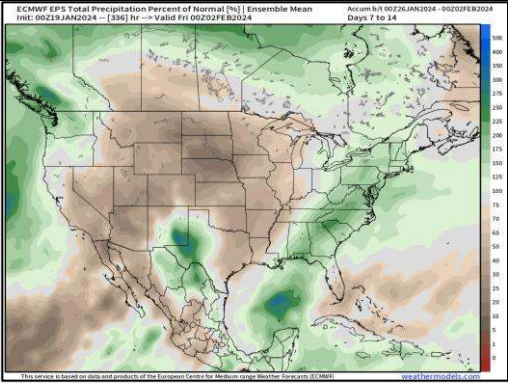
15-30 Day Temperature Departure



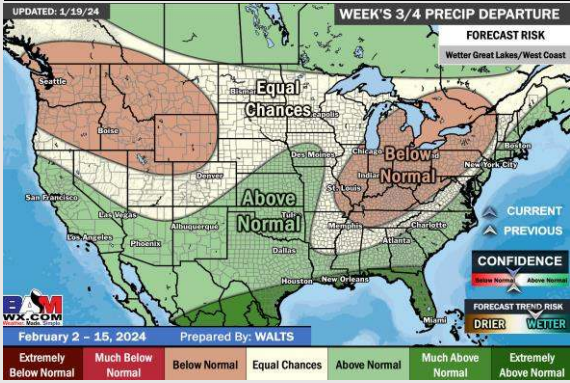
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- Looking at MON for the next chance of significant rain. Downpours through next Thursday can yield rainfall amounts of 3 - 5" + rain. Much below normal temperatures favored for the week ahead.
- Above normal rain chances are expected for the week 2 timeframe. Temps expected to warm up becoming above normal for the week 2 timeframe after a very cold stretch the week prior.
- Below normal temperatures and above normal chances for precipitation are favored in the weeks 3/4 timeframe.