

Houston Pilots Forecast Package



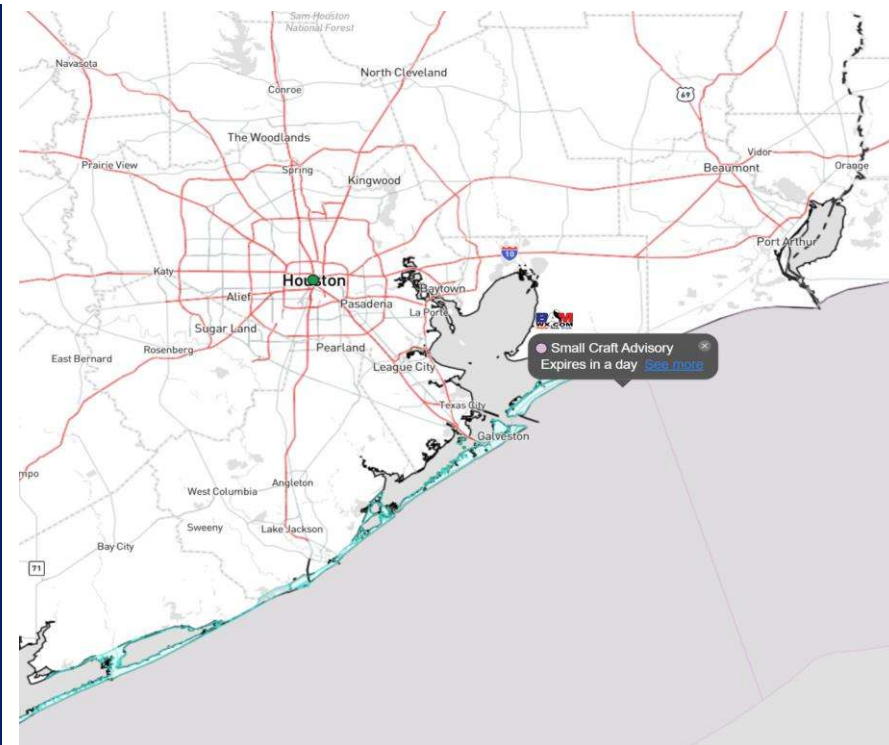
Updated: 1:30 PM CT

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: 1:30 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 Wave Height Update



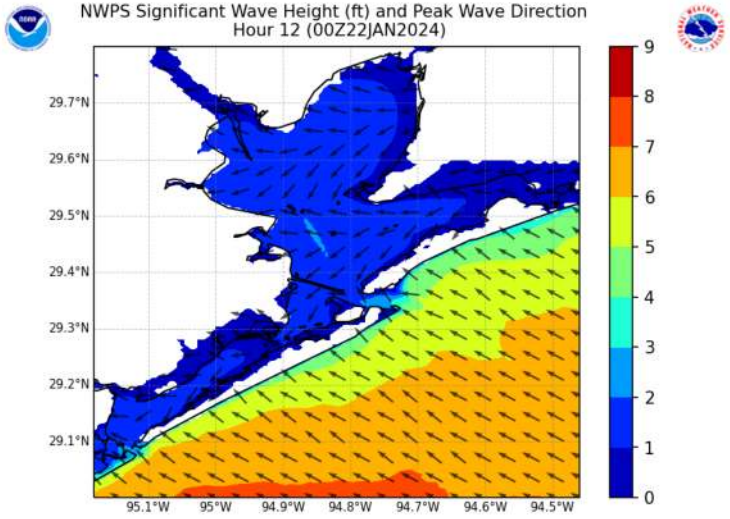
Port Condition	34 KTS+ Sustained Winds	6 Foot Waves	Time Remaining/Trigger End
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	NO	N/A	N/A
Yankee	NO	N/A	N/A
Zulu	NO	IN EFFECT	12 AM CT TUE

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 9 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.

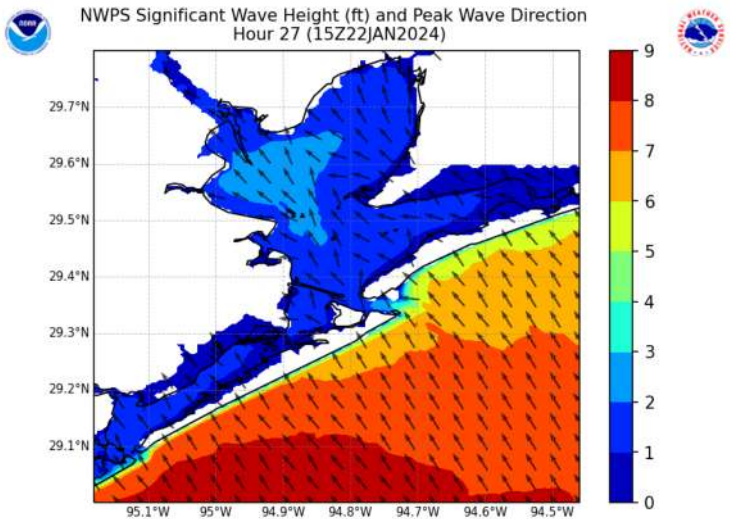
Houston Pilots Wave Height Update

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.



9 AM CT MON
(Peak Heights)

Wave heights will continue to increase into the evening and early Monday morning, with peak waves reaching from 9 AM MON – 6 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.



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



Friday 1/25/24

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



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



Time	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	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am		
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	5	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	5	2	2	3	2	3	3	2	2	3	3	3	3	3	3	3	4
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	2	2	4	2	4	3	2	2	3	3	3	3	3	3	3	4	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	4	2	6	2	4	4	2	2	3	3	3	3	3	3	3	4	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	4	2	6	2	4	5	2	2	3	3	3	3	3	3	3	4	
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	6	2	7	4	4	6	2	2	3	4	4	4	3	3	4		
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	7	2	7	4	6	6	2	2	3	4	4	4	3	3	4		
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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 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	Mon 12pm	Mon 1pm	Mon 2pm	Mon 3pm	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	
610 Bridge	10	10	10	11	11	12	13	13	15	15	15	16	16	16	15	17	16	18	17	18	18	18	18	18	17	13	12	10	9	8	7	6	7	6	6	6	
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Kinder 1	10	10	10	11	11	12	13	13	15	15	15	16	16	16	15	16	16	16	17	17	18	18	18	18	17	14	12	11	9	8	7	6	7	6	6		
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Greens Bayou	9	10	10	10	11	11	12	12	13	14	15	15	16	16	15	15	16	15	16	16	18	18	18	18	17	14	13	11	9	7	6	7	6	6	6		
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Shell Crude	10	10	10	11	11	12	13	13	14	15	15	16	16	16	15	16	16	16	16	17	18	18	18	17	14	13	11	10	9	8	7	7	6	6	6		
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Exxon 3	10	10	10	11	12	13	13	14	14	15	15	16	16	16	16	16	16	16	17	17	18	18	18	16	14	12	12	11	9	8	7	7	6	6	6		
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1 & 2 Bravo	21	21	22	22	23	23	24	23	23	22	22	21	21	20	20	19	20	20	20	20	21	21	21	20	18	18	17	17	14	12	13	12	10	10	9	9	9
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Houston Pilots: Sun. 01/21/2024



Forecast Discussion

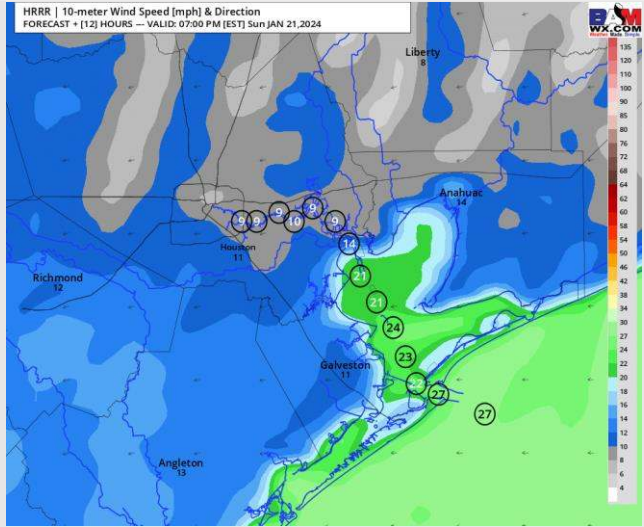
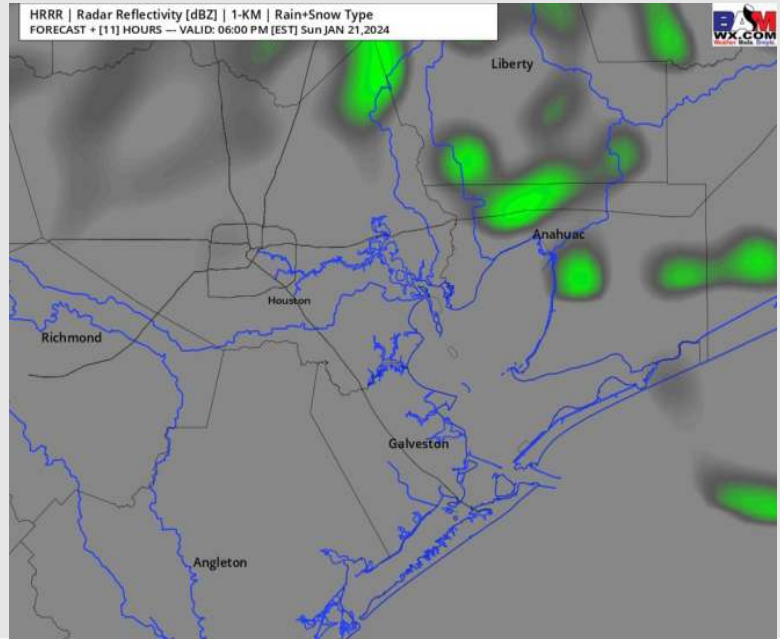
Precip: Scattered shower/drizzle will continue to be possible throughout the afternoon and evening. Anticipating low-end chances (10-20%) through midnight.

Wind: Winds will remain out of the ESE throughout the remainder of the day. **N of Morgan's Point:** Winds will be 7 - 12 kts throughout the rest of the day. **S of Morgan's Point:** Winds will be 17 - 22 kts for the remainder of the day. Winds near the Boarding Station can remain slightly higher at 22-27 kts for the rest of the day. **Wind gusts of up to 30 - 35 kts can be possible south of Morgan's Point after 8PM.**

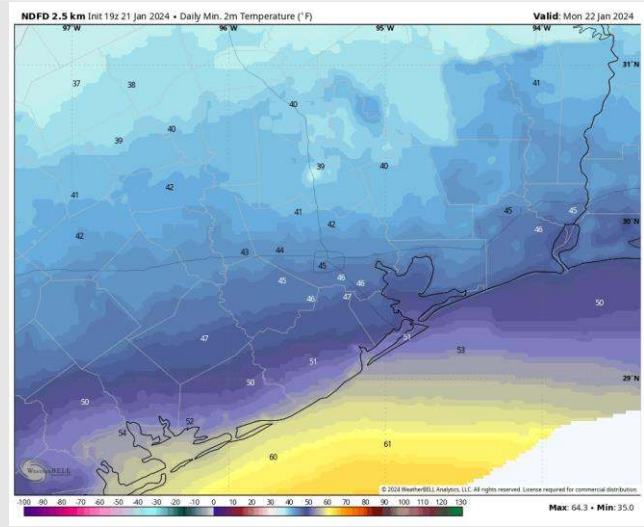
Low Temps: **N of Morgan's Point:** Mid 40s F. **S of Morgan's Point:** Low 50s F.

Visibility: No visibility concerns for today.

Precip Image: 5 PM CT



**Wind Speed:
6 PM CT**



**Low Temps
Monday**

Houston Pilots: Mon. 01/22/2024



Forecast Discussion

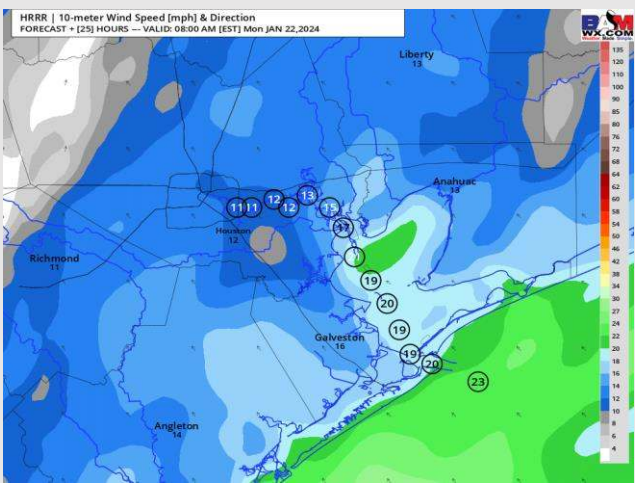
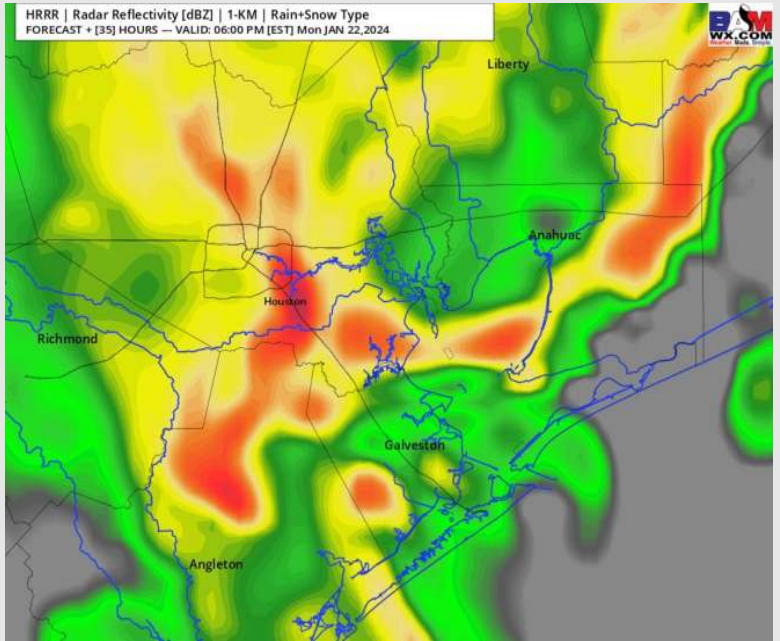
Precip: Scattered rain chances to continue through 5 AM MON before widespread moderate to heavy rain showers enter the area for the majority of the day on Monday beginning at 9AM. Favoring this precip to start working out at 6PM.

Wind: Winds out of the SE through the AM MON before being out of the SSW during the after 9PM. **N Morgan's Point:** 11-16 kts through 12 PM before a slight decrease to 7-12 kts. **S of Morgan's Point:** 17-23 kts through 12 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.**

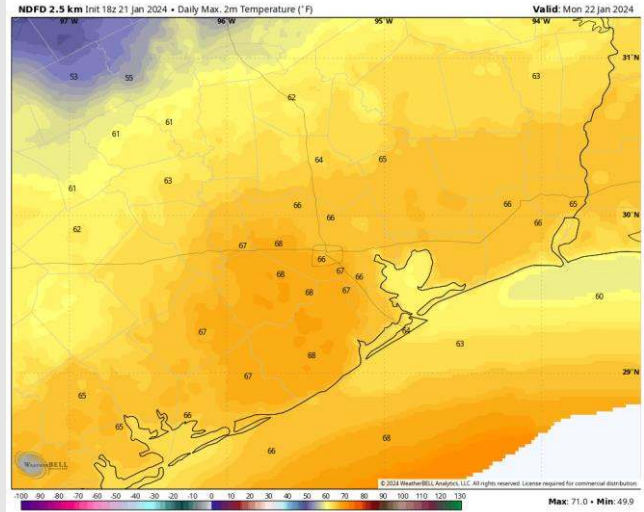
High Temps: **N of Morgan's Point:** Mid 60s F **S of Morgan's Point:** Low 60s F.

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: 5 PM CT



Wind Speed:
7 AM CT



High Temps
Monday

Forecast Discussion

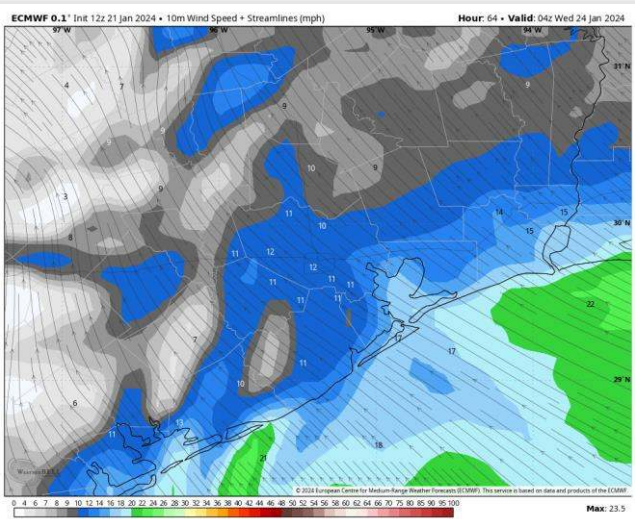
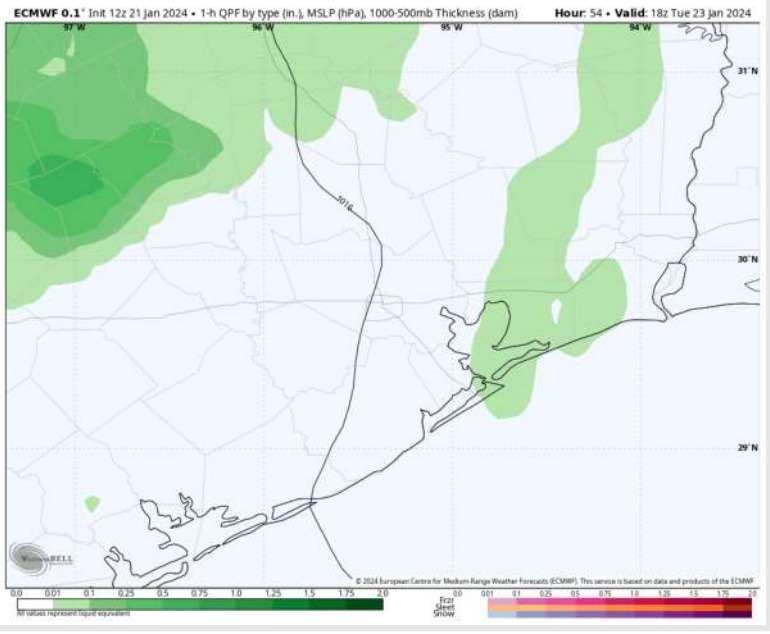
Precip: Scattered rain showers to continue through ~1 PM TUE. After 1 PM, isolated pockets of rain will be possible, however better coverage will remain to the N/W.

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 9-14 Kts. **S of Morgan's Point:** 8-13 kts through 4 PM before a slight increase to 11-16 kts

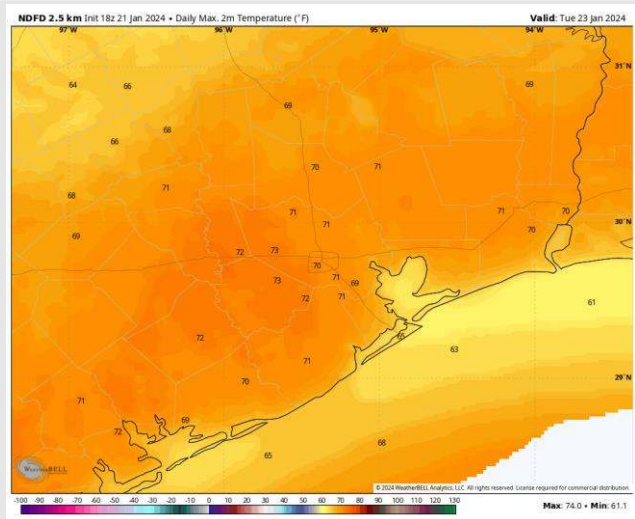
High Temps: **N of Morgan's Point:** Near 70 F **S of Morgan's Point:** Low 60s F

Visibility: Fog will continue to be a threat for TUE, with greatest risk in the PM hours.

Precip Image: 12 PM CT



Wind Speed:
10 PM CT

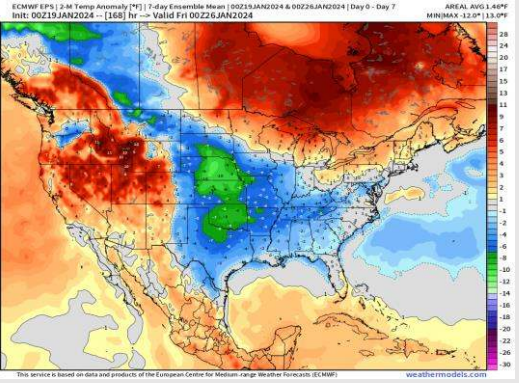


High Temps
Tuesday

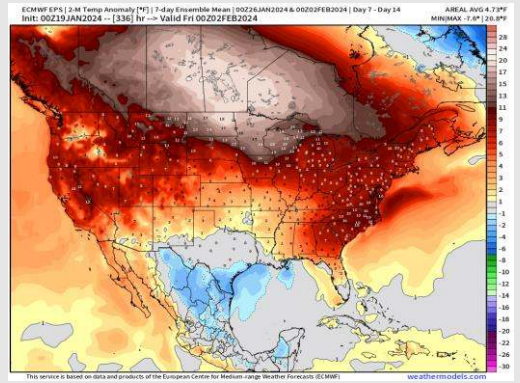
Houston Pilots: 1/21/2024



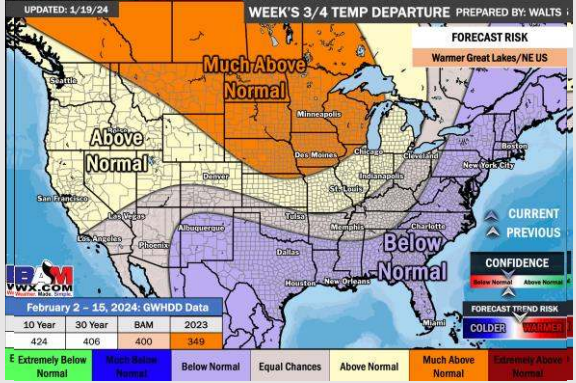
Next 7 Day Temperature Departure



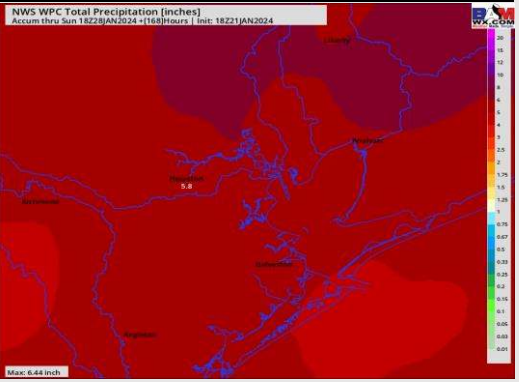
8-14 Day Temperature Departure



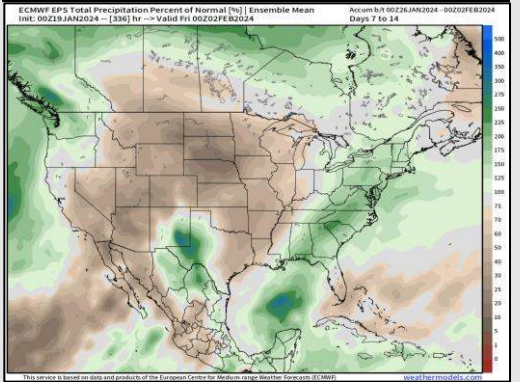
15-30 Day Temperature Departure



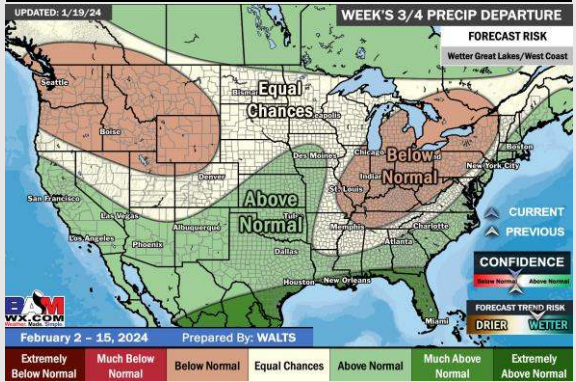
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- Downpours through Thursday can yield rainfall amounts of 3 - 5" + rain. Below normal temperatures favored for the week ahead.
- Slight below 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.