

# Houston Pilots Forecast Package



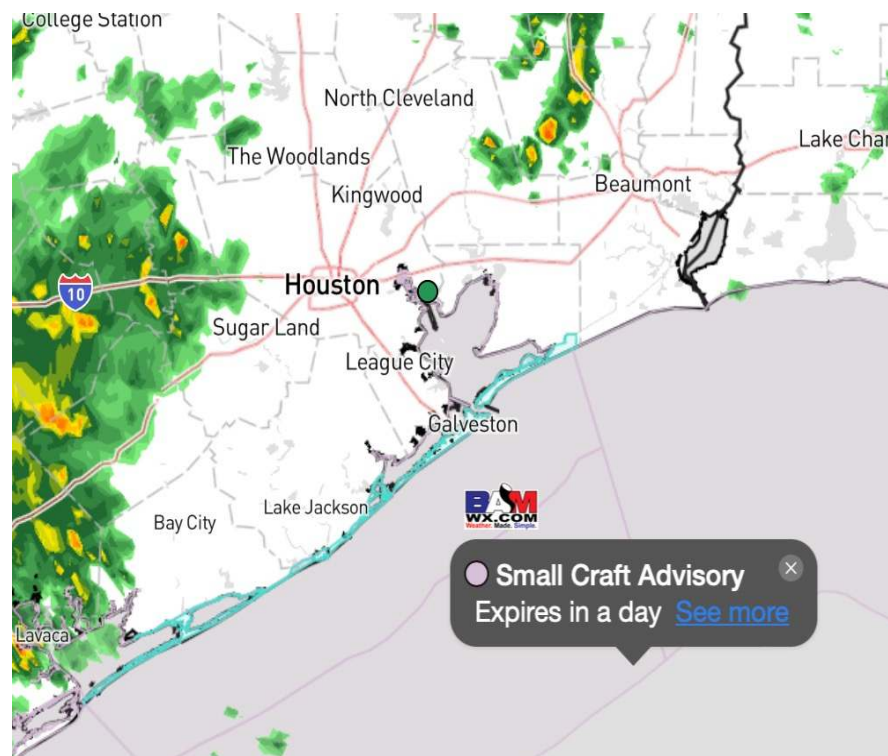
Updated: 2:00 AM CT

Monday, January 22, 2024

Forecaster: Tyler Riggles

## Weather Headlines

- Favoring scattered showers to gradually expand in coverage this AM. Multiple shots of moisture will be present to begin the week.
- Winds expected to remain elevated through the early PM today.
- A Zulu port condition has been issued due to anticipated wave heights to be capable of exceeding 6 ft through 3 PM CT today. Check the wave/text slide for more details
- 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: 1:55 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

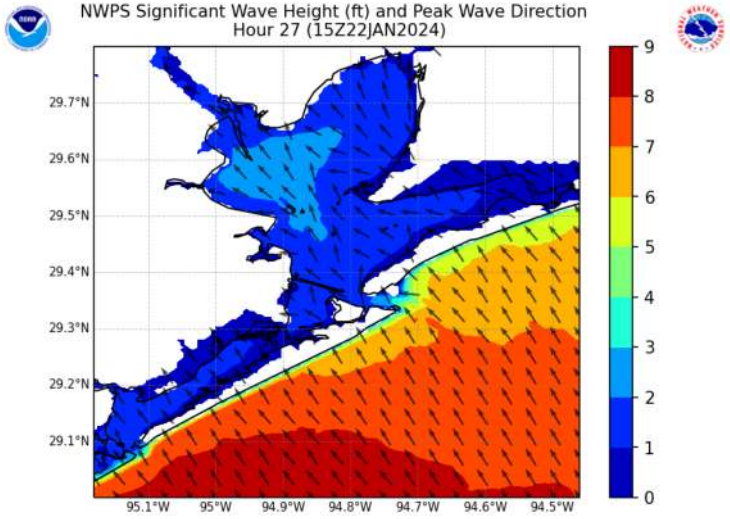
Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	Yes
Yankee	24 hours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

- Through 3 PM today waves will be capable of exceeding 6 ft. Peak waves will occur near 9 AM - 3 PM today before waves start to decline into the afternoon/evening
- Favoring waves to be 4 -6 ft by 9 PM ET this evening. With heights of <6 ft after midnight Tuesday.

# Houston Pilots Wave Height Update

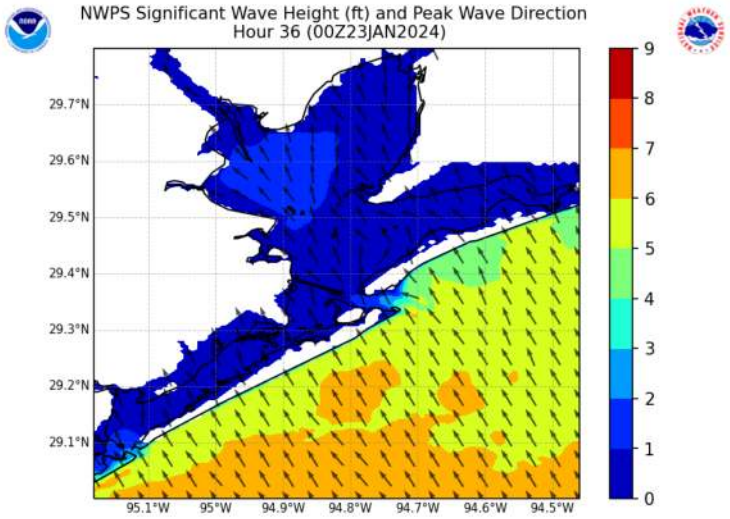


## Significant Wave Height Image



9 AM CT MON  
(Peak Heights)

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



6 PM CT MON

# Houston Pilots Extended Range Visibility Report



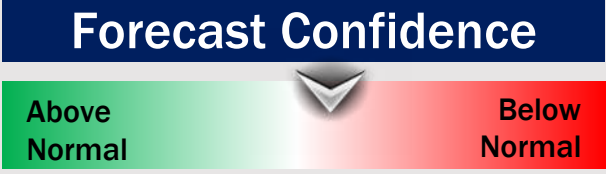
## Thursday 1/25/24

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



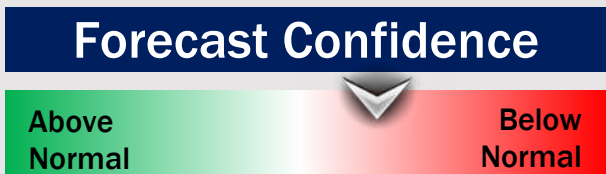
## Friday 1/25/24

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



## Saturday 1/26/24

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



## Chance for Fog

Thursday AM	Likely
Thursday PM	Possible
Friday AM	Likely
Friday PM	Possible
Saturday AM	Likely
Saturday 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	3	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	4
Greens Bayou	10	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	4
Shell Crude	10	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	4
Lynchburg Ferries	10	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	4
Exxon 3	10	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	3	3	4	
Morgans Point	10	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
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	3	7	4	6	6	2	3	3	4	5	4	4	4	
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	3	7	4	6	6	3	3	4	5	6	4	4	4	
51/52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	3	6	6	6	6	4	3	4	6	5	4	4	4	
37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	5	6	6	6	5	4	3	4	6	5	4	4	4	
25/26	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	9	9	9	7	6	6	6	6	7	6	3	4	7	6	4	4	4	
11/12	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	10	10	9	9	9	6	7	7	6	5	7	7	6	6	7	6	4	4	4	
1 & 2 Bravo	10	10	10	10	10	10	10	7	8	6	6	6	10	10	10	10	9	9	9	9	9	9	6	7	9	6	6	7	7	7	7	7	7	7	3	3	3

**NOTE: Currently experiencing a data error. This data represents the visibility forecast from the SUN PM update. Check visibility forecast on the slides below.**



# 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	13	15	15	15	16	16	15	15	17	16	18	17	18	18	18	18	17	13	12	10	9	8	7	6	7	6	7	6	6
Kinder 1	15	15	15	17	17	18	19	19	20	23	23	23	24	24	23	23	25	24	27	26	27	27	28	25	20	18	16	13	12	11	10	7	7	10	9	10	
Greens Bayou	15	15	15	16	16	17	19	19	20	22	23	23	24	24	23	23	24	23	25	25	27	27	28	25	22	20	17	14	13	11	10	10	10	9	9		
Shell Crude	15	15	15	16	17	18	19	19	20	22	23	23	24	24	23	23	24	23	24	24	26	27	27	28	25	22	20	17	15	13	11	10	10	10	9	9	
Lynchburg Ferries	14	14	15	16	16	17	18	18	19	20	22	22	23	23	22	23	23	24	24	26	27	28	28	26	22	19	17	15	13	11	10	10	9	9	9		
Exxon 3	14	15	15	16	17	18	18	19	19	20	22	21	22	23	22	22	23	22	23	24	26	27	28	28	25	21	18	17	15	13	11	10	10	9	8	9	
Morgans Point	15	16	16	17	18	19	19	20	19	20	22	21	21	22	22	22	22	22	23	24	25	26	27	24	21	19	18	16	14	12	10	10	9	8	9		
75/76	17	17	18	19	20	20	21	22	21	21	22	21	22	22	22	22	22	23	23	25	25	26	25	23	21	19	19	17	15	13	11	10	10	9	10		
63/64	17	18	18	19	21	21	23	23	22	23	24	22	22	22	22	22	22	23	22	23	25	24	25	24	24	21	20	18	17	15	13	11	11	10	9	10	
51/52	18	19	19	19	21	22	23	23	23	23	25	22	22	22	21	21	22	22	22	22	23	24	24	24	21	20	18	16	14	12	10	10	9	9	9		
37/38	20	20	20	20	22	22	24	24	24	25	26	23	22	21	20	20	21	21	22	23	24	25	24	24	23	21	18	16	14	12	10	9	9	8	9		
25/26	20	20	20	20	22	22	24	25	26	26	26	23	21	21	20	20	21	21	22	23	24	24	24	24	25	23	22	19	16	14	11	10	9	9	8	8	
11/12	20	20	21	21	22	23	24	25	26	26	25	23	21	21	20	21	21	22	23	23	24	24	23	24	23	22	19	17	15	12	10	10	9	8	8		
1 & 2 Bravo	21	21	22	22	23	24	23	23	22	22	21	21	21	20	19	20	20	20	20	21	21	21	21	20	18	17	14	12	13	12	10	10	10	9	9	9	

NOTE: Currently experiencing a data error. This data represents the visibility forecast from the SUN PM update. Check wind forecast on the slides below.

## Forecast Discussion

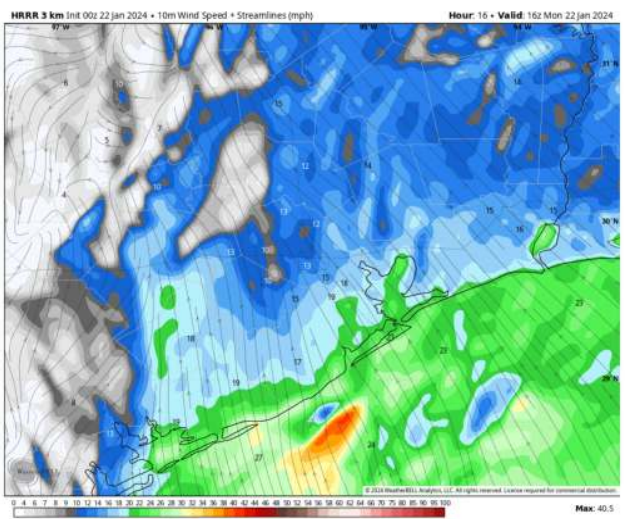
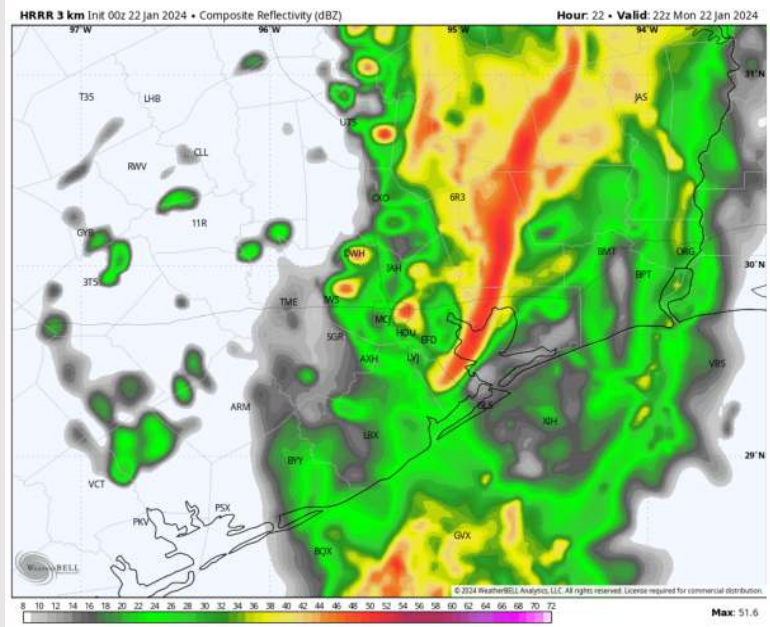
**Precip:** Scattered rain chances to continue through 5 AM before widespread moderate to heavy rain showers enter the area for the majority of the day beginning at 9AM. Favoring this precip to start working out at 6PM.

**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.**

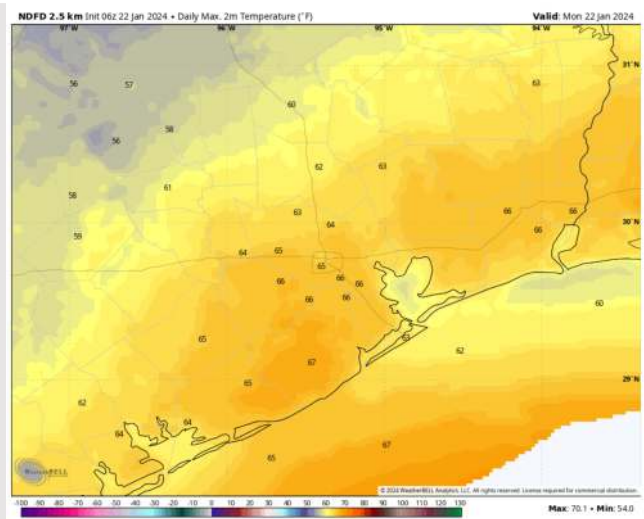
**High Temps:** N of Morgan's Point: Mid 60s F S of Morgan's Point: Low 60s F.

**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: 4 PM CT



Wind Speed:  
10 AM CT



High Temps  
Today



## Forecast Discussion

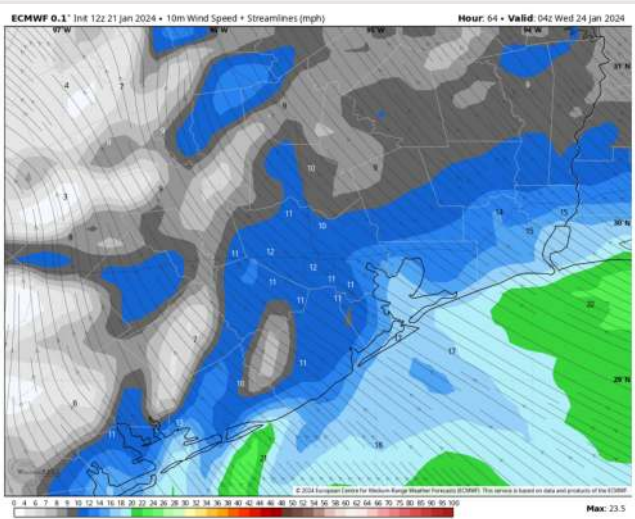
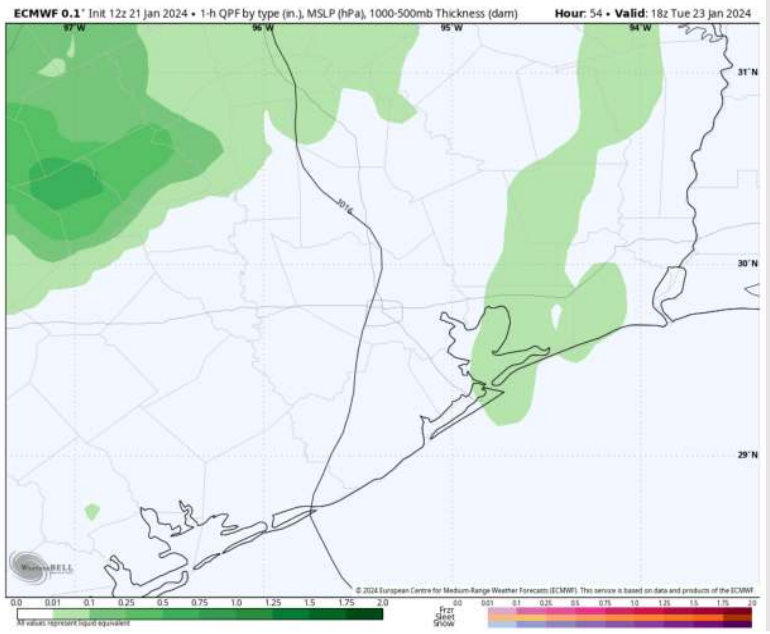
**Precip:** Scattered rain showers to continue through ~1 PM TUE. After 1 PM, isolated pockets of rain will be possible, however better coverage will remain to the N/W.

**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

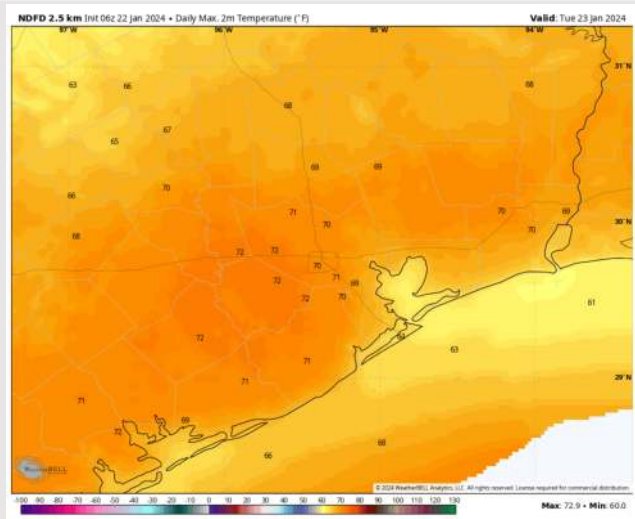
**High Temps:** **N of Morgan's Point:** Near 70 F **S of Morgan's Point:** Low 60s F

**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



## Forecast Discussion

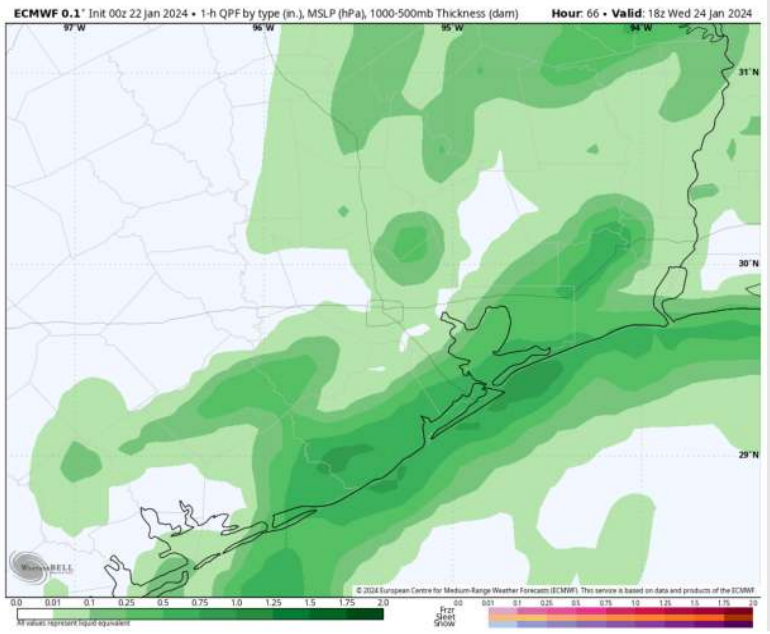
**Precip:** Scattered showers (60-70%) enter the area shortly after 12 AM and impact all Stations through 5 PM. After 5 PM, hit/miss showers (30-40%) remain for Stations S of 51/52 through the remainder of the evening.

**Wind:** Winds will variable in direction throughout the day. **N Morgan's Point:** Winds will be 3-8 kts throughout the day. **S of Morgan's Point:** Winds at 7-12 kts in the early AM will decrease to 4-9 kts by 12 PM. Winds at the Boarding Station will remain slightly higher at 5-10 kts.

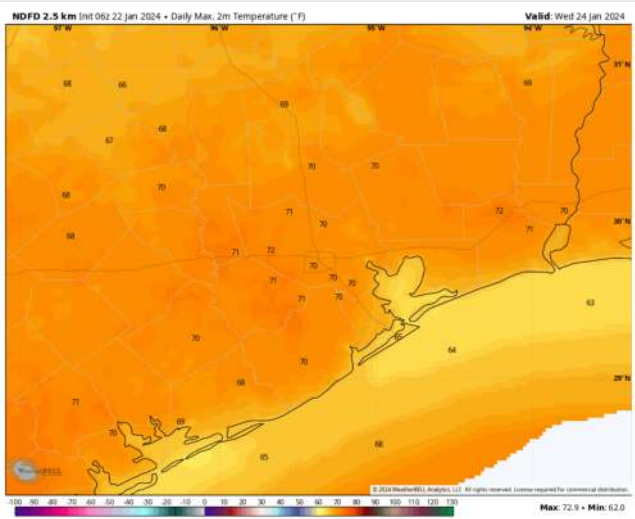
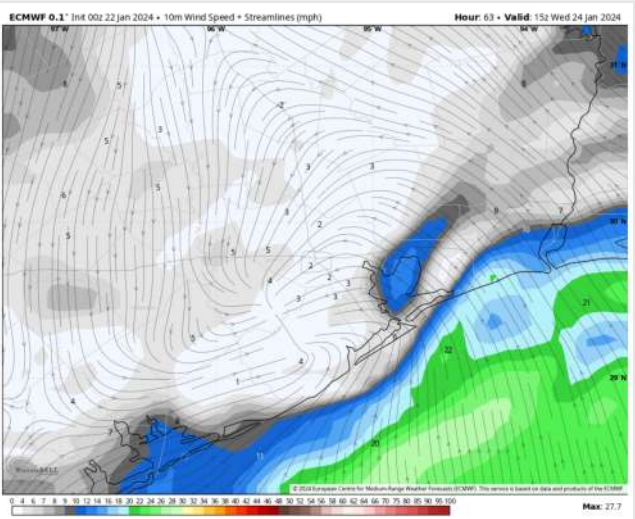
**High Temps:** **N of Morgan's Point:** Low 70s F. **S of Morgan's Point:** Mid 60s F.

**Visibility:** Monitoring potential for patchy fog to occur in gaps between showers Wednesday AM, however showers and winds will aid in mixing the atmosphere.

## Precip Image: 12 PM CT



Wind Speed:  
9 AM CT

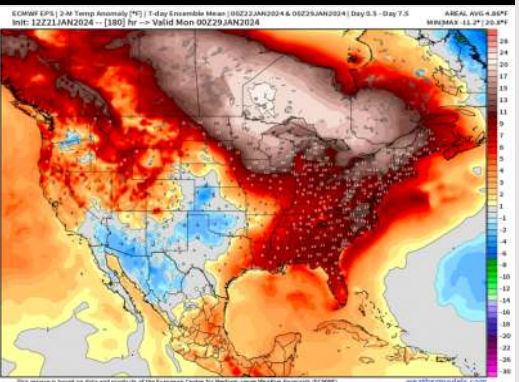


High Temps  
Wednesday

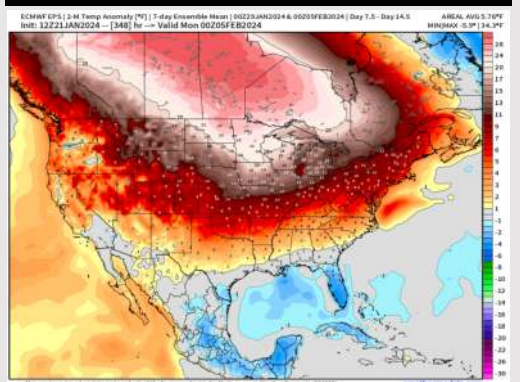
# Houston Pilots: 1/22/24



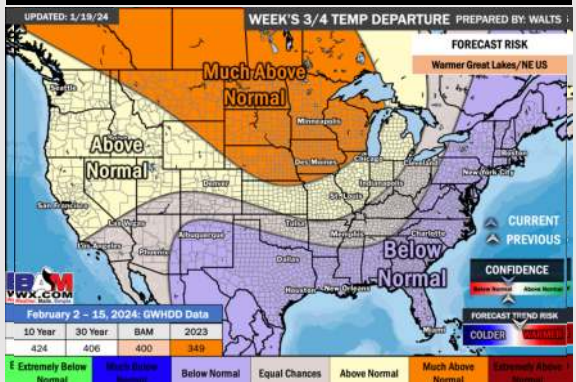
**Next 7 Day Temperature Departure**



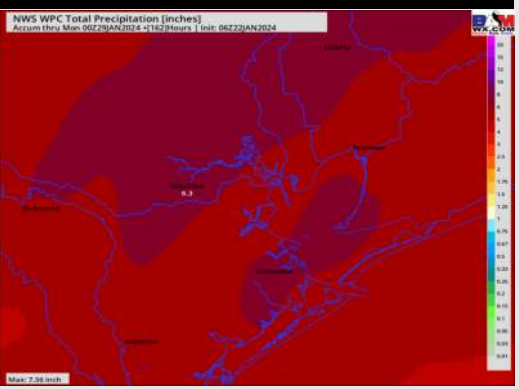
**8-14 Day Temperature Departure**



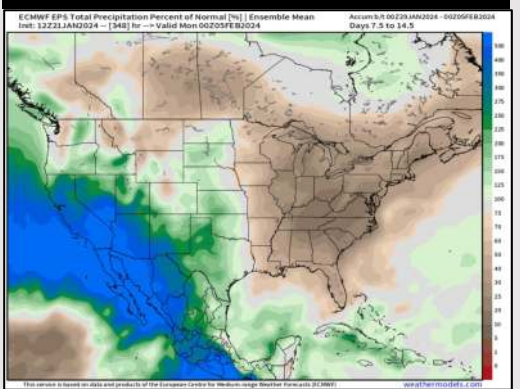
**15-30 Day Temperature Departure**



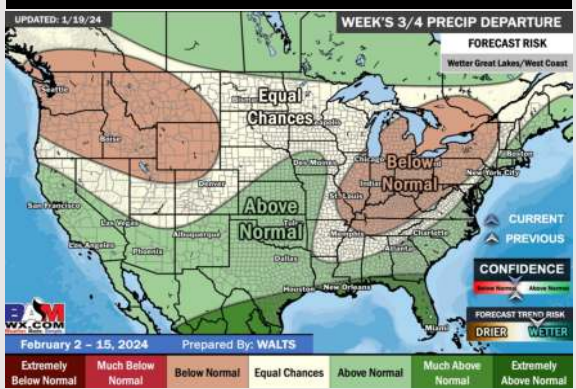
**Next 7 Day Total Precipitation**



**8-14 Day % of Average Precip.**



**15-30 Day % of Average Precip.**



- 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.