

Houston Pilots Forecast Package



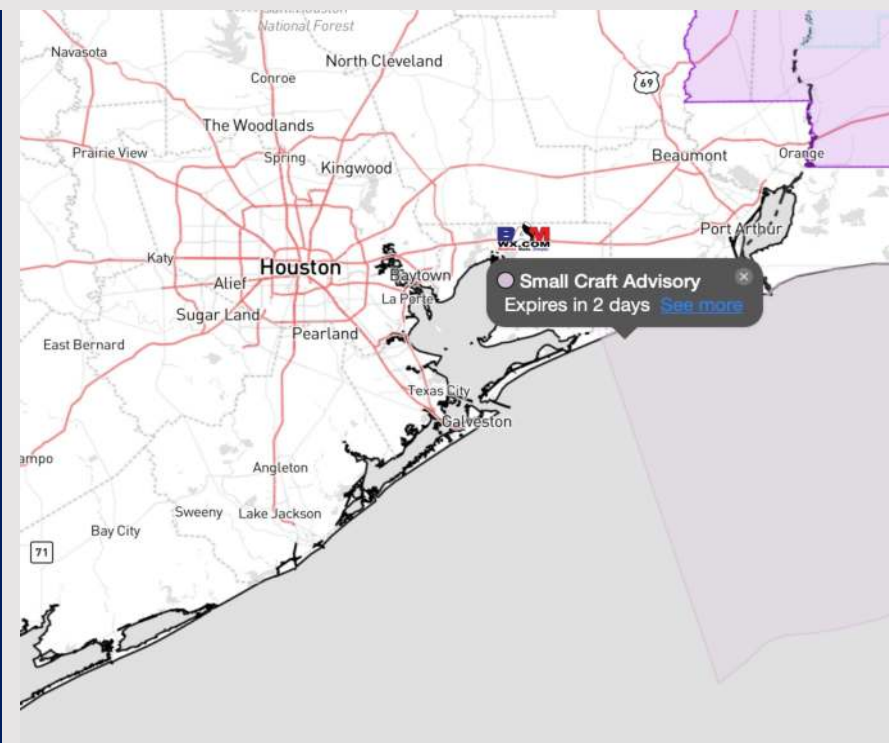
Updated: 2:30 PM CT

Saturday, January 20, 2024

Forecaster: Will Danby

Weather Headlines

- Dry conditions favored today and SUN AM, however scattered showers expected to return SUN PM with heavy rainfall beginning MON.
- Winds over the short term will be calm but are going to begin an increasing trend mid morning tomorrow. They will become quite elevated Sunday PM - Monday early PM
- **An X-ray 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: 2:04 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



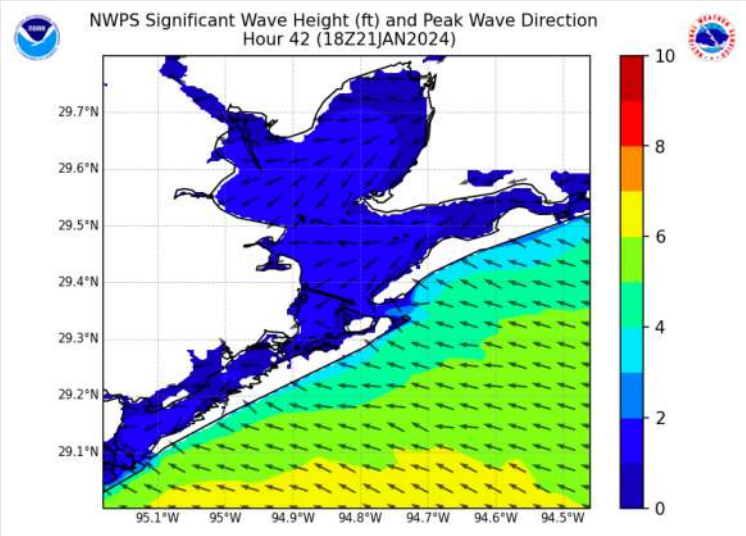
Port Condition	34 KTS+ Sustained Winds	6 Foot Waves	Time Remaining/Trigger End
Victor	N/A	N/A	N/A
Whiskey	N/A	N/A	N/A
X-Ray	NO	IN EFFECT	6 PM CT SAT
Yankee	NO	6 PM CT SAT	6 AM CT SUN
Zulu	NO	6 AM CT SUN	12 AM CT TUE

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	No
Zulu	12 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	No

- 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 Sunday. Waves would not start reaching the 6-foot threshold until roughly 6 PM in the afternoon but note the risk time would be 2 PM CT at the earliest to see an occasional 6-ft swell.
- From **6 PM SUN - 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
- Favoring waves to be 4 -6 ft by 9 PM ET Monday evening. With heights of <6 ft after midnight Tuesday.

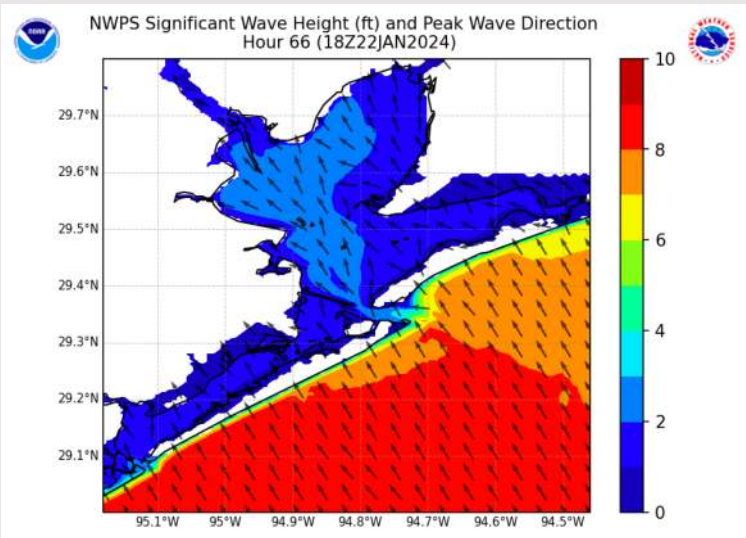
Houston Pilots Wave Height Update

Significant Wave Height Image



12 PM CT SUN

Wave heights will begin a gradual increase starting early tomorrow AM near 3 AM. By noon (image on left), wave heights of around 4 - 6 feet are possible.



12 PM CT MON
(Peak Heights)

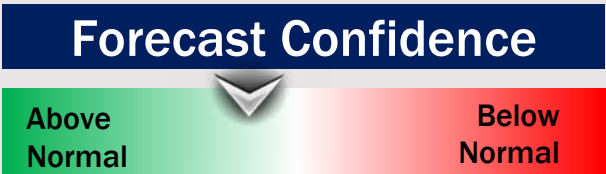
Wave heights will slowly increase into the afternoon, with peak waves reaching from 12 AM MON - 4 PM CT. Wave heights during this time can peak at 6 - 8 feet, with a few swells to 9 ft. Waves then begin a weakening process in the afternoon.

Houston Pilots Extended Range Visibility Report



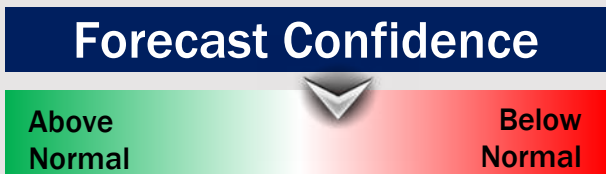
Tuesday 1/23/24

Keeping an eye on potential for sea fog during the morning hours. Low confidence on timing exits, but reduced visibilities likely due to either sea fog or lingering rain.



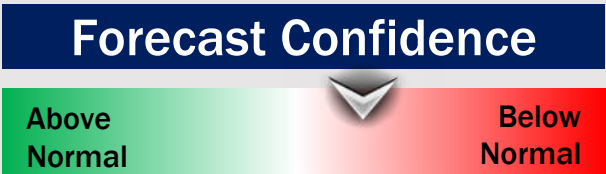
Thursday 1/24/24

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



Wednesday 1/24/24

Monitoring potential for patchy fog to occur in gaps between showers Wednesday AM. Lower confidence at this time.



Chance for Fog

Tuesday AM	Possible
Tuesday PM	Likely
Wednesday AM	Possible
Wednesday PM	Possible
Thursday AM	Likely
Thursday PM	Possible

Houston Pilots Visibility Chart (miles)



Forecast Confidence

Above Normal

Below Normal

Time	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	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	
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	9	10	9	9	10	10	10	
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	10	9	9	10	10	10	
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	10	10	9	10	10	10	
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	10	9	9	10	10	10	
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	10	9	10	10	10		
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	10	9	9	10	10	10	
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	10	10	9	10	10	10	
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	9	10	10	10	9	10	10	
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	9	10	10	9	9	10	10	
51/52	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	9	9	9	9	10	10
37/38	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	9	9	9	9	10	10
25/26	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	9	9	9	9	10	10
11/12	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	9	9	9	9	10	10
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	9	9	9	9	9	9	9	9	9	

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only

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	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	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	Sun 12am	Mon	
610 Bridge	7 NE	6 NE	6 NE	6 NE	6 NE	5 NE	5 NE	5 ENE	5 ENE	6 ENE	6 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	9 ENE	10 E	10 E	10 E	10 E	11 E	10 E	10 E	10 E	11 E	11 E	11 E	13 E	13 E	14 E	14 E	15 E	16 E	
Kinder 1	7 NE	6 NE	6 NE	6 NE	6 NE	5 NE	5 NE	5 ENE	5 ENE	6 ENE	6 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	9 ENE	10 E	10 E	10 E	10 E	10 E	11 E	11 E	11 E	12 E	12 E	13 E	13 E	14 E	14 E	15 E	16 E	
Greens Bayou	7 NE	7 NE	6 NE	7 NE	6 NE	5 NE	5 NE	5 ENE	5 ENE	6 ENE	6 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	9 ENE	10 E	10 E	10 E	10 E	10 E	11 E	11 E	11 E	12 E	12 E	14 E	14 E	15 E	15 E	17 E	17 E	
Shell Crude	7 NE	7 NE	7 NE	7 NE	6 NE	5 NE	5 NE	5 ENE	6 ENE	6 ENE	6 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	9 ENE	10 E	10 E	10 E	10 E	10 E	11 E	11 E	11 E	12 E	12 E	14 E	14 E	15 E	15 E	17 E	17 E	
Lynchburg Ferries	7 NE	7 NE	7 NE	7 NE	6 NE	5 NE	5 NE	6 ENE	6 ENE	6 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	9 ENE	10 E	10 E	10 E	10 E	10 E	11 E	11 E	11 E	12 E	12 E	13 E	13 E	14 E	14 E	15 E	16 E		
Exxon 3	7 NE	7 NE	7 NE	7 NE	6 NE	6 NE	7 ENE	7 ENE	7 ENE	8 ENE	8 ENE	8 ENE	9 ENE	9 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	10 ENE	11 E	11 E	11 E	12 E	12 E	12 E	13 E	13 E	14 E	14 E	15 E	15 E		
Morgans Point	8 NE	8 NE	8 NE	8 NE	8 NE	8 NE	8 NE	9 ENE	9 ENE	10 ENE	10 ENE	10 ENE	11 ENE	11 ENE	11 ENE	12 ENE	12 ENE	12 ENE	12 ENE	12 ENE	12 ENE	12 ENE	12 ENE	13 E	12 E	12 E	13 E	14 E	14 E	14 E	15 E	15 E	16 E	16 E	16 E	16 E		
75/76	9 NE	9 NE	9 NE	10 NE	10 NE	11 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	
63/64	9 NE	9 NE	9 NE	10 NE	10 NE	11 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE
51/52	10 NE	9 NE	9 NE	10 NE	10 NE	11 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE
37/38	10 NE	9 NE	9 NE	9 NE	10 NE	10 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE
25/26	10 NE	11 NE	11 NE	10 NE	10 NE	11 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE
11/12	10 NE	9 NE	9 NE	9 NE	10 NE	10 NE	11 NE	11 ENE	12 ENE	12 ENE	13 ENE	13 ENE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE	16 ENE
1 & 2 Bravo	12 NE	11 NE	11 NE	12 NE	12 NE	13 NE	13 NE	14 ENE	14 ENE	15 ENE	15 ENE	16 ENE	16 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE	17 ENE

NOTE: This is automated data that may/may not agree with the official BAM thinking that's found on the daily slides or special visibility report slides. This data should be used as a guide only

Houston Pilots: Sat. 01/20/2024



Forecast Discussion

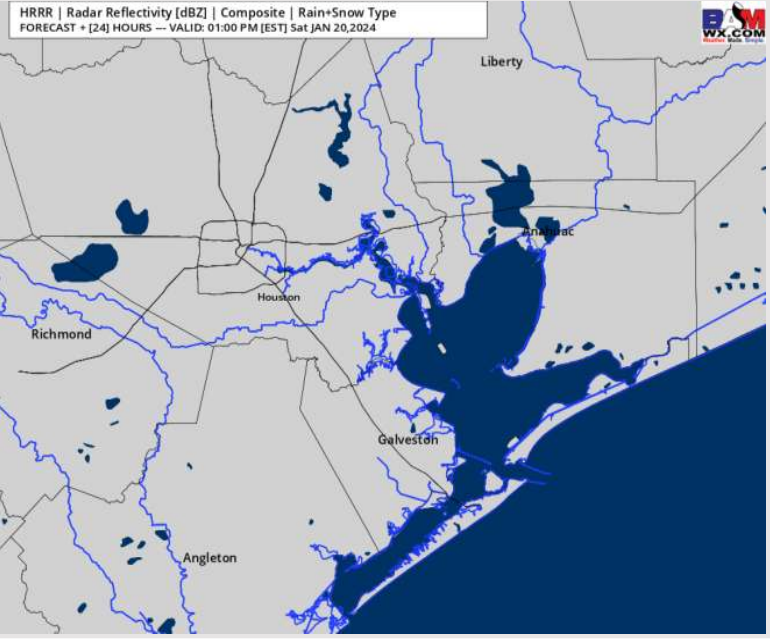
Precip: Dry conditions will persist this afternoon

Wind: Winds expected to remain out of the NE through the late afternoon before veering out of the ENE in the late evening (~9 PM). **N of Morgan's Point:** Sustained at 4 - 8 kts. **S of Morgan's Point:** Sustained at 8 - 13 kts. **Boarding Station** will continue to run slightly higher at 13 - 18 kts rather consistently. Gusts will seldom reach 20 kts this afternoon at the Boarding Station.

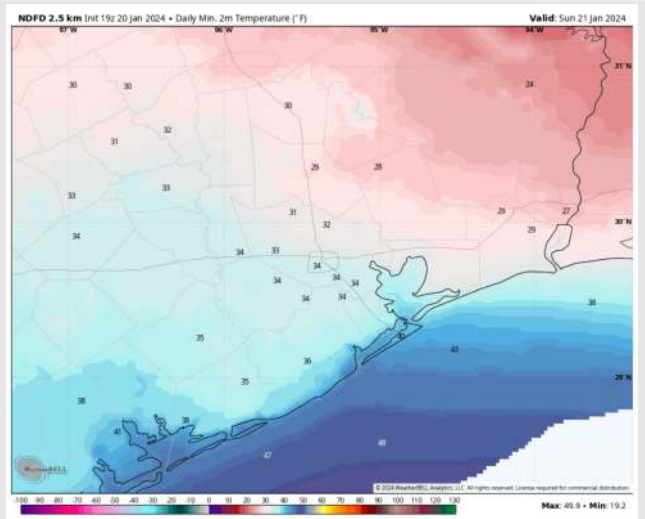
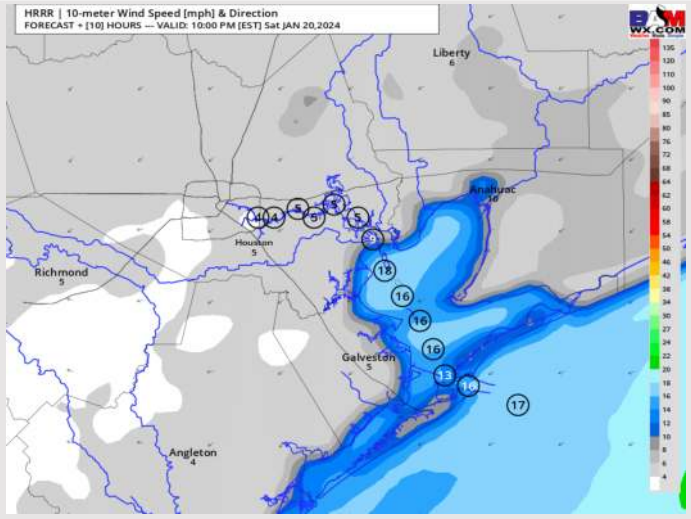
Low Temps: **N of Morgan's Point:** Near 50 F **S of Morgan's Point:** Mid/Upper 40s F

Visibility: No visibility concerns for tomorrow AM.

Precip Image: 5 PM CT



Wind Speed:
10 PM CT



Low temps
Sunday AM

Houston Pilots: Sun. 01/21/2024



Forecast Discussion

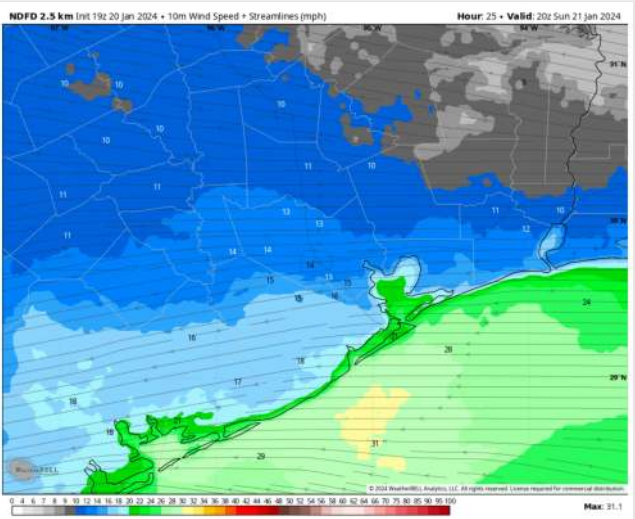
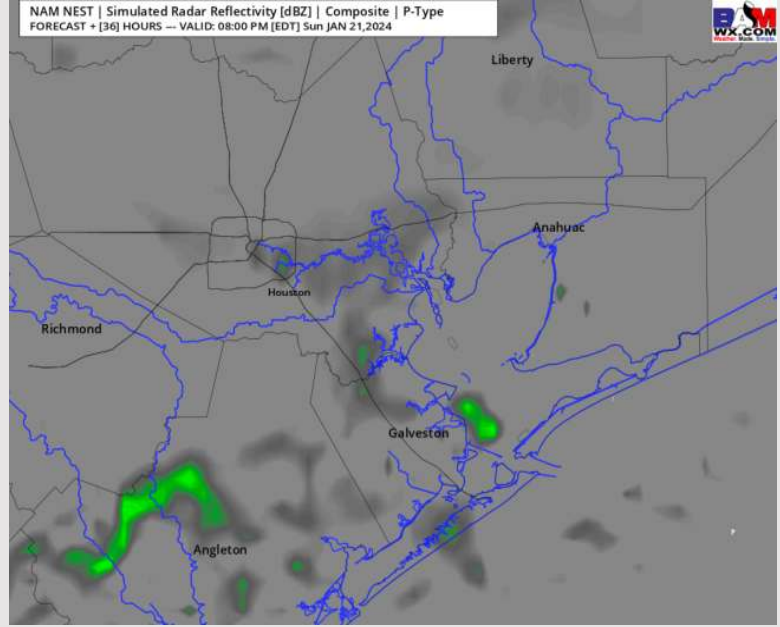
Precip: Some lower confidence present on a start time but would need to watch the 2 - 7 PM for isolated pockets of drizzle. Better opportunities for drizzle/light shower arrives post 7 PM, but intensity will remain light.

Wind: Winds will remain out of the ENE throughout the day Sunday before becoming E by 12 PM, then ESE towards 10 PM. **N Morgan's Point:** Winds will be at 6 - 11 kts through 10 AM CT, increasing to 9 -14 kts after that time. Winds continue an increasing trend towards 10 PM at 13 - 18 kts. **S of Morgan's Point:** 14 - 19 kts prior to 6 AM, increasing to 18 - 24 kts thereafter. Winds at the **Boarding Station** continue to increase, reaching 23 - 28 kts after 9 AM and for the remainder of the day. **Wind gusts of up to 25 - 28 kts S of Morgan's Point for the entire day. For the Boarding Station, gusts can reach up to 28 - 32 kts after 10 AM.**

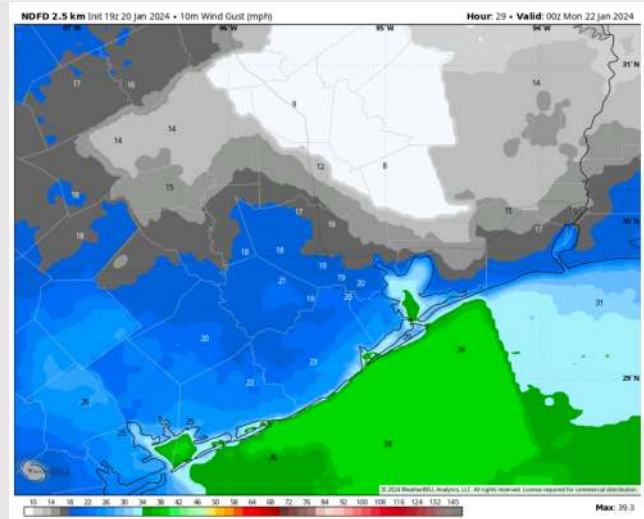
High Temps: **N of Morgan's Point:** Upper 40s to near 50 F. **S of Morgan's Point:** Mid 50s F.

Visibility: No visibility concerns for Sunday.

Precip Image: 7 PM CT



**Wind Speed:
2 PM CT**



**Wind Gusts
6 PM CT**

Forecast Discussion

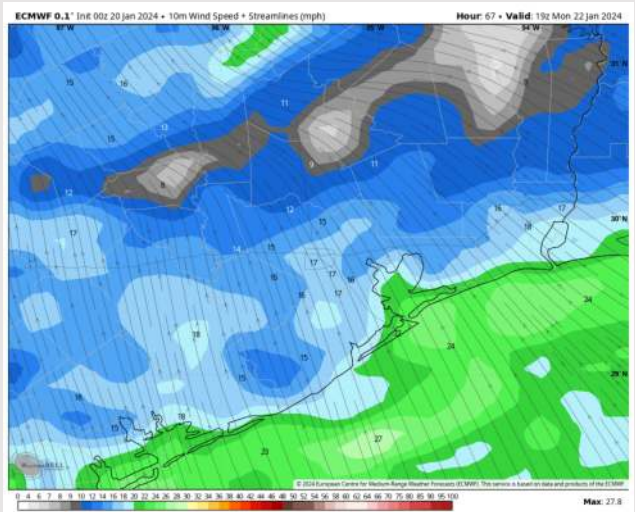
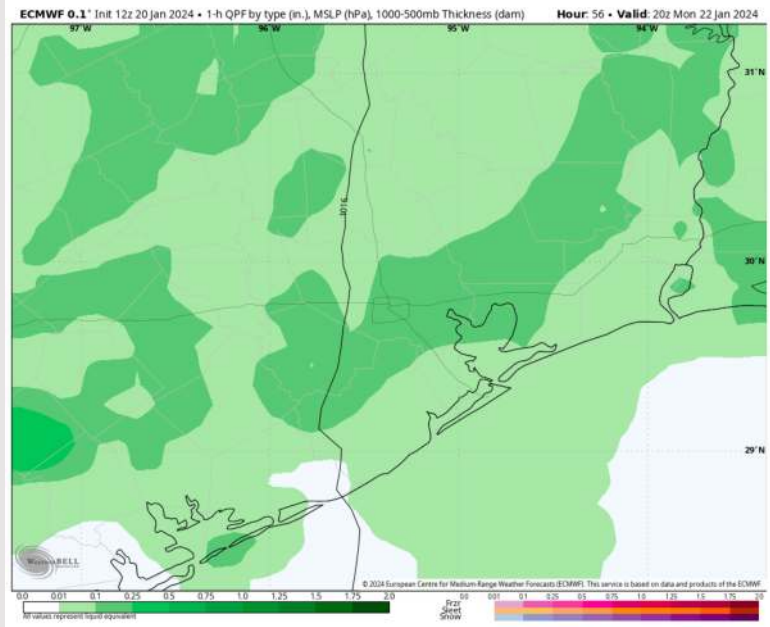
Precip: Scattered rain chances to continue through 5 AM MON before widespread moderate to heavy rain showers enter the area for the remainder of the day on Monday.

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 8 PM before a slight decrease to 9-14 kts. **S of Morgan's Point:** 17-22 kts through 6 PM before a slight decrease to 14 - 19 kts. The Boarding Station will follow a similar progression with wind speeds higher by a factor of about 2 kts. **Wind gusts of up to 25-28 kts will be possible at all stations through ~6 PM MON.**

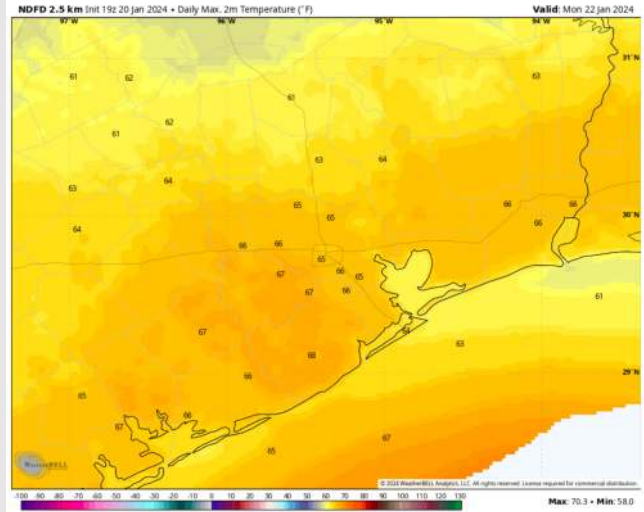
High Temps: **N of Morgan's Point:** Mid 60s **F S of Morgan's Point:** Low to mid 60s F.

Visibility: Fog concerns look fairly limited for now, but a low-end risk could not be ruled out starting near 10 AM. A low to moderate risk would be present especially near 6 PM, however gusty winds and rain would be the limiting factor to help break/mix sea fog up.

Precip Image: 2 PM CT



Wind Speed:
1 PM CT

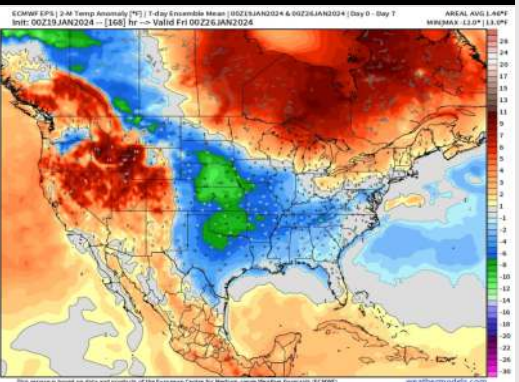


High Temps
Monday

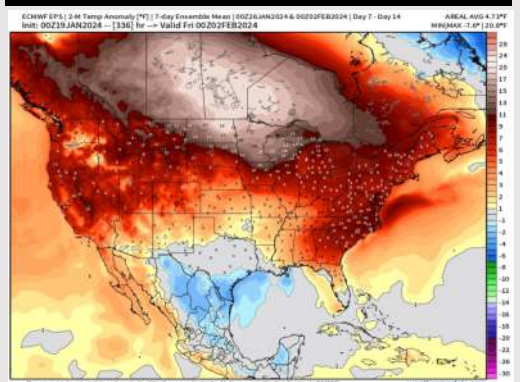
Houston Pilots: 1/20/24



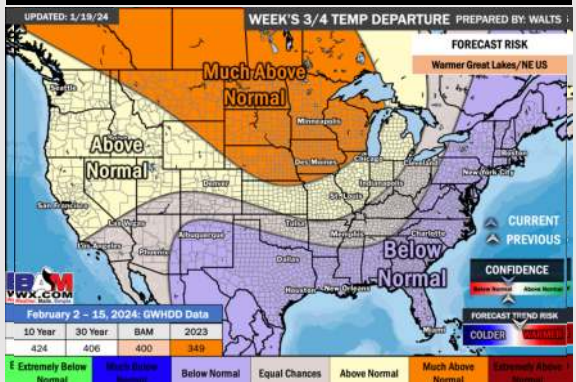
Next 7 Day Temperature Departure



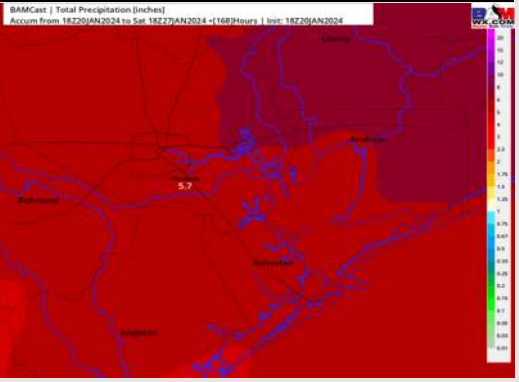
8-14 Day Temperature Departure



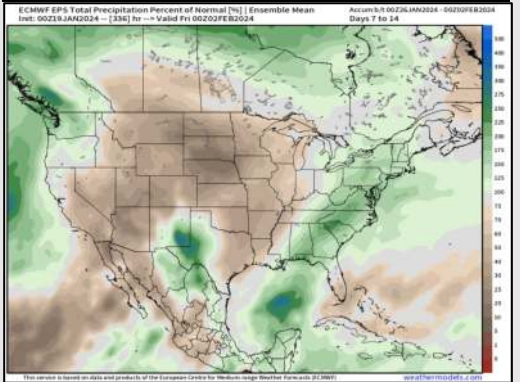
15-30 Day Temperature Departure



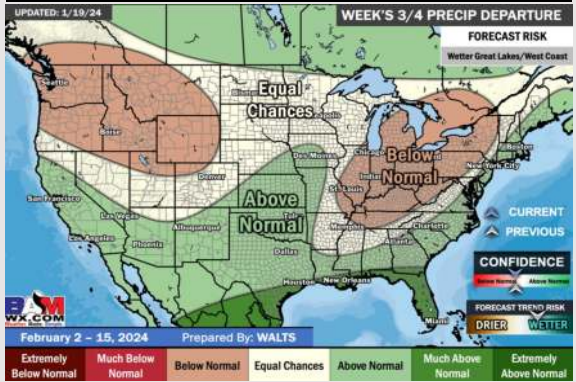
Next 7 Day Total Precipitation



8-14 Day % of Average Precip.



15-30 Day % of Average Precip.



- 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.