

Houston Pilots Forecast Package



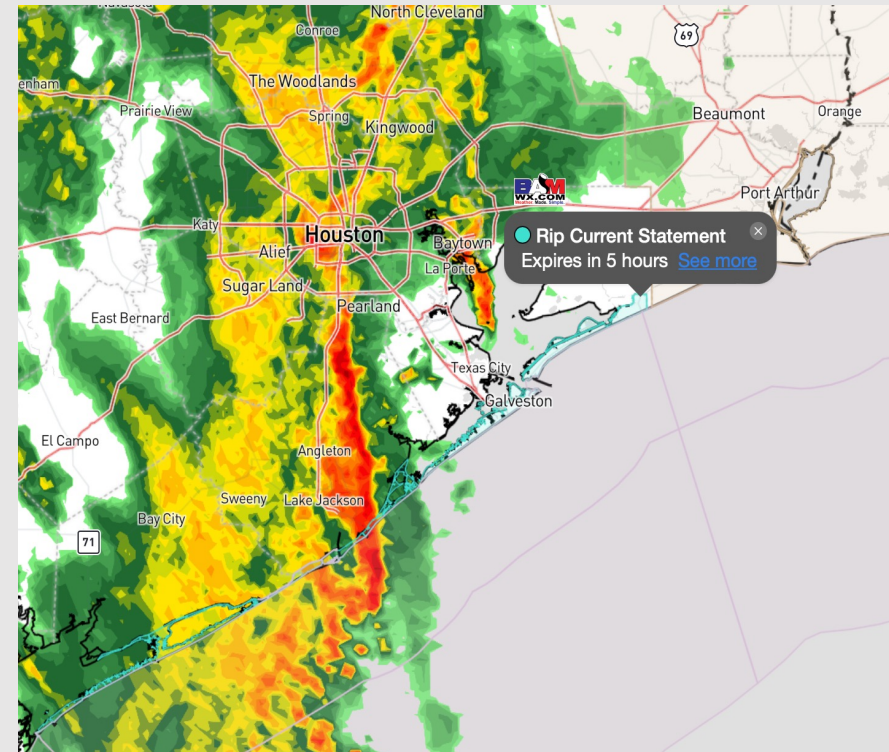
Updated: 12:30 PM CT

Monday, January 22, 2024

Forecaster: Alyssa Elliott

Weather Headlines

- Scattered showers are continuing to become widespread. 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 reaching 6 ft through 6 PM CT today. Check the wave/text slide for more details**
- **Sea fog threats look possible starting this evening and continuing into Wednesday morning with fog often times mixing in with rain. Lower confidence exists for exact coverage. Please see visibility slide for more info.**



Radar/NWS Alerts: 12:30 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

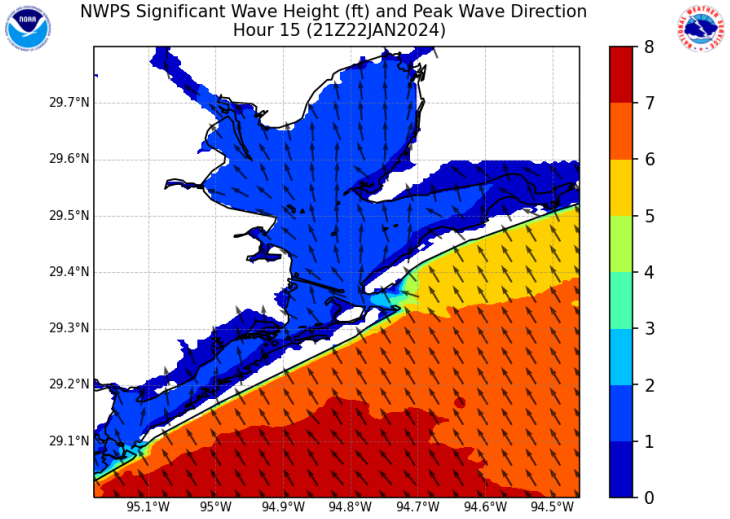
Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or 6' wave height	Yes
Yankee	24 hours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

- Through **6 PM today waves will be capable of exceeding 6 ft.** Waves start to decline into the late evening and into Tuesday.
- Favoring waves to be 4 - 5 ft after 6 PM. Wave heights of 3 - 4 ft favored after midnight and throughout the day Tuesday.

Houston Pilots Wave Height Update

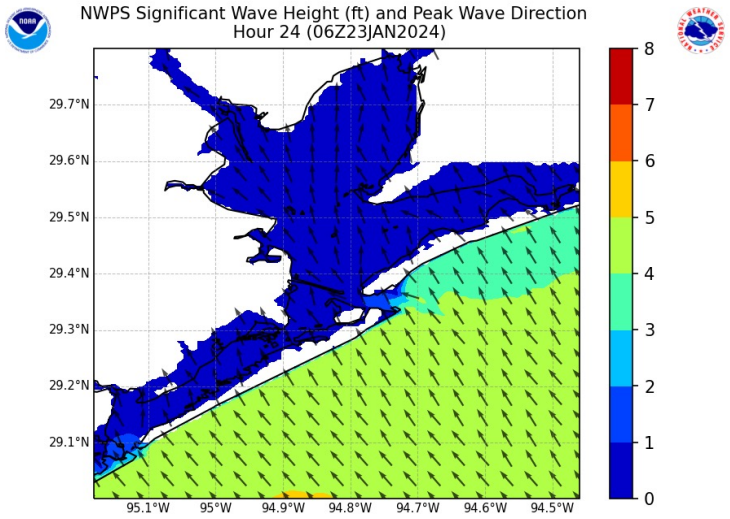


Significant Wave Height Image



3 PM CT MON

Wave heights will continue to sit within the 5 – 6 ft range for stations 11/12 and the Boarding Station through 6 PM-CT. From there, wave heights will continue to gradually decrease to 4 – 5 ft throughout the rest of the evening.



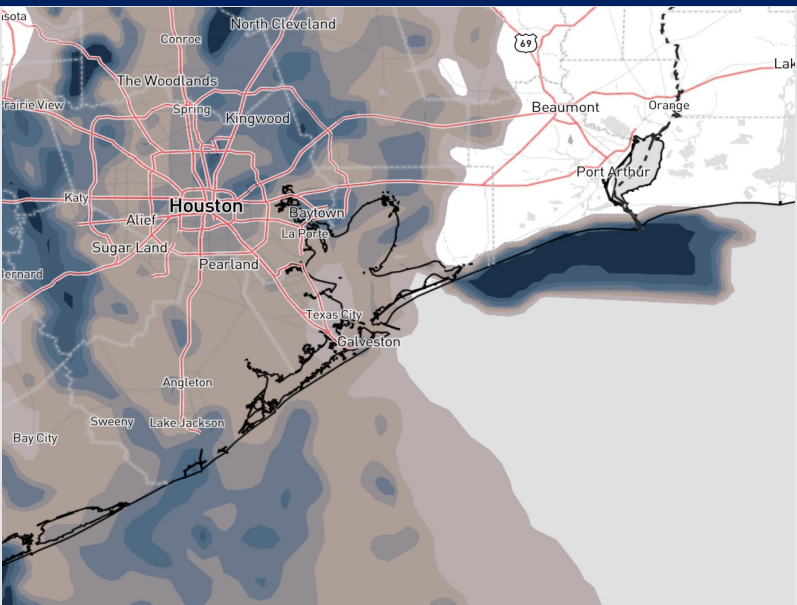
12 AM CT TUE

Waves will continue the weakening process after 12 AM-CT Tuesday. Heights throughout Tuesday will then sit at 3 – 4 ft for stations 11/12 and the Boarding Station with waves not dropping to 2 – 3 ft until late WED AM.

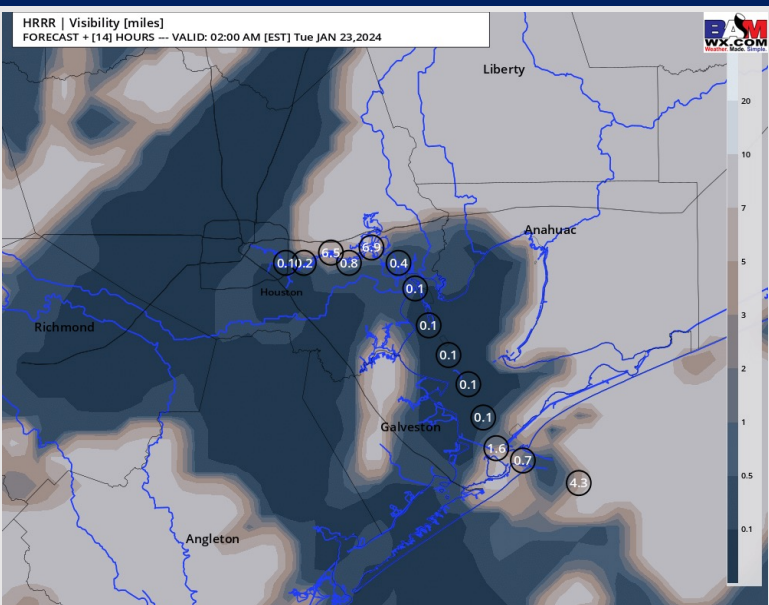
Houston Pilots Visibility Report



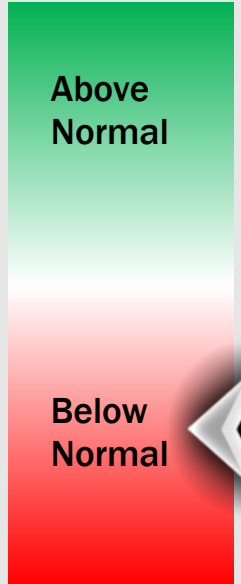
CURRENT VISIBILITY



Forecasted Visibility at 1 AM-CT TUE



Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 12 PM WED	Medium

- Anticipating patchy / patchy dense fog to mix in with scattered showers moving into the evening. This risk is favored after 6 PM-CT where wind begins to die down N. of station 11/12. This will allow for fog to begin to set in within the bay. Lower confidence on exact coverage as this fog will still be mixing in with rain, but there will be risk for visibilities reduced to 1 - 3 miles with instances of visibility at less than 1 mile.
- Favoring this patchy fog risk begins to creep S. towards the Boarding Station around 8 - 9 PM as winds continue to gradually decrease in intensity. This fog is then expected to become the most widespread (for Morgan's Point and stations S) and dense (visibility at less than 1 mile) after 2 AM-CT Tuesday. Stations N. of Morgan's Point favored to see a patchier risk.
- At this time, this risk for fog being widespread and dense for stations S of Morgan's Point has the potential to last through the AM hours Wednesday.

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 1/26/24

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



Saturday 1/27/24

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	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	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	
610 Bridge	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	4	5	4	3	2	3	3	3	3	3	2
Kinder 1	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	4	4	5	5	4	2	3	4	4	4	3	3
Greens Bayou	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	4	4	5	5	4	2	4	4	4	4	4	4
Shell Crude	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	4	4	5	5	4	3	4	4	4	4	4	4
Lynchburg Ferries	2	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	4	4	5	5	4	3	4	4	4	4	4	4
Exxon 3	3	2	1	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	4	4	5	5	4	3	4	4	4	4	4	4
Morgans Point	3	2	1	1	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	4	4	4	5	5	4	3	4	4	4	4	4	4
75/76	3	2	1	1	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	4	4	4	5	5	3	3	4	4	4	4	4	4
63/64	3	2	1	1	1	2	3	2	3	3	3	4	4	3	3	4	4	3	3	2	2	2	2	3	4	4	4	5	4	3	3	3	3	3	3	3	3
51/52	3	3	1	1	1	2	3	3	3	3	4	4	6	4	3	4	4	3	3	2	2	2	2	3	4	4	4	4	4	3	3	3	3	3	3	3	2
37/38	4	3	1	1	1	2	3	3	3	3	4	5	6	4	3	4	4	3	3	2	2	2	2	3	4	4	4	4	4	3	3	2	2	3	2	2	
25/26	4	4	1	1	1	2	2	3	3	3	4	5	6	4	4	4	4	3	3	3	3	3	3	2	3	5	4	4	4	4	3	2	2	2	2	2	2
11/12	4	4	2	1	1	2	2	3	3	3	4	5	6	4	4	4	4	3	3	2	2	2	2	3	4	4	4	4	4	3	2	2	2	2	2	2	2
1 & 2 Bravo	4	4	2	1	2	2	3	4	2	3	3	5	6	5	4	2	2	1	1	0.7	0.83	1	1	2	3	3	3	3	3	2	2	2	2	2	2	2	1

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	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	Tue 1am	Tue 2am	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm						
610 Bridge	19	18	15	11	10	8	6	4	5	5	6	5	7	7	6	6	7	7	8	9	11	11	13	14	16	17	19	21	21	20	20	19	18	16	15	13	12	12	9	8	8	6
	SE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	S			
Kinder 1	19	18	15	12	10	8	5	5	5	5	6	5	7	7	6	6	7	7	8	9	10	11	12	13	16	17	19	21	21	20	20	19	17	15	13	10	9	7	8	6		
	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	S				
Greens Bayou	19	18	15	12	10	8	5	5	5	5	6	5	7	6	6	6	7	7	8	9	10	11	12	13	16	17	19	21	21	20	19	17	15	13	10	9	7	8	6			
	SE	SE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSE	S	S				
Shell Crude	19	18	15	12	11	8	5	5	5	5	5	5	6	6	6	6	7	7	8	9	10	11	12	15	16	17	19	19	18	18	18	16	14	13	12	11	11	9	8	7	6	
	SE	SE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S		
Lynchburg Ferries	19	18	16	13	11	8	6	6	6	6	6	6	7	6	6	6	6	7	8	8	10	11	11	12	12	12	12	12	11	10	9	8	8	7	7	7	6	6				
	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S			
Exxon 3	19	19	16	13	11	8	7	6	6	6	6	6	7	7	6	6	7	7	8	9	10	11	12	14	15	16	18	18	17	17	15	13	12	11	10	9	7	7	6			
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Morgans Point	19	18	16	13	11	9	8	7	7	7	7	7	7	7	7	7	8	8	8	9	10	11	11	11	11	11	11	12	11	11	11	11	9	9	8	7	7	6				
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75/76	18	17	17	13	11	11	10	9	8	8	8	8	9	9	9	9	10	10	11	12	12	12	12	12	12	11	11	12	11	12	12	10	10	9	8	8	8	8				
	SE	SE	SE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S		
63/64	18	17	17	13	11	11	11	9	8	8	8	8	9	9	9	9	10	10	11	12	12	12	12	12	12	11	11	12	11	12	12	11	10	9	8	8	8	8				
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	ESE	SE	SE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S			
37/38	18	17	15	14	12	10	10	8	7	7	7	8	8	8	8	8	8	9	10	11	12	13	13	14	15	16	16	15	14	13	11	11	10	9	8	7	8	8				
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1 & 2 Bravo	18	17	16	15	13	13	10	9	8	8	9	9	9	10	9	9	10	10	11	12	12	13	13	13	13	12	12	11	12	11	11	10	10	10	10	10	10					
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NOTE: Currently experiencing a data error. This data represents the visibility forecast from the SUN PM update. Check wind forecast on the slides below.

Houston Pilots: Mon. 01/22/2024



Forecast Discussion

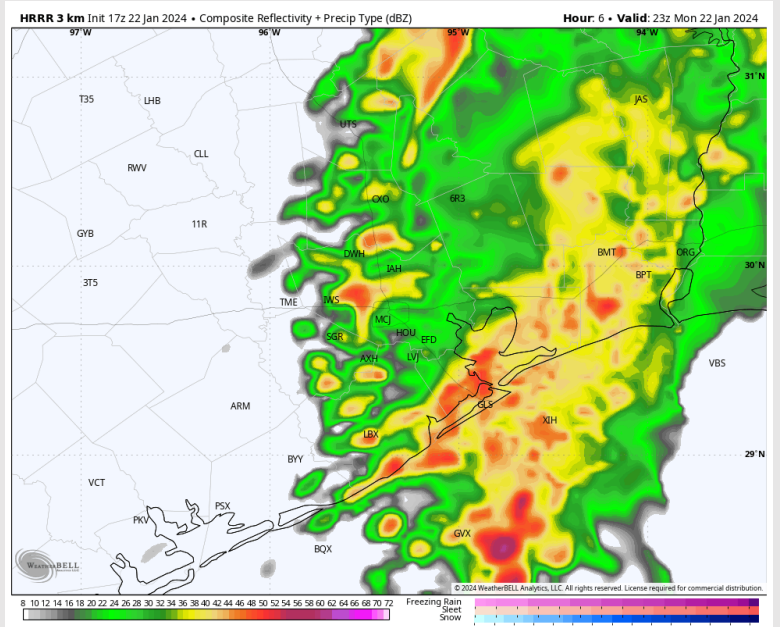
Precip: Scattered showers have transitioned into widespread moderate to heavy rain showers and will continue through ~6PM-CT today before activity once again becomes more scattered (50-60%) where this scattered potential will continue through the rest of the evening.

Wind: Winds out of the ESE through 3 PM-CT there winds will then transition out of the S at the Boarding Station while becoming calm and slightly variable north of station 11/12. **N Morgan's Point:** 18-23 kts through 6 PM before calming. **S of Morgan's Point:** 18-23 kts through 8 PM before a slight decrease to 13-18 kts. **Wind gusts of up to 25-30 kts will be possible at all stations through ~6 PM MON, with gusts up to 25 kts possible S of Morgan's Point after 6 PM.**

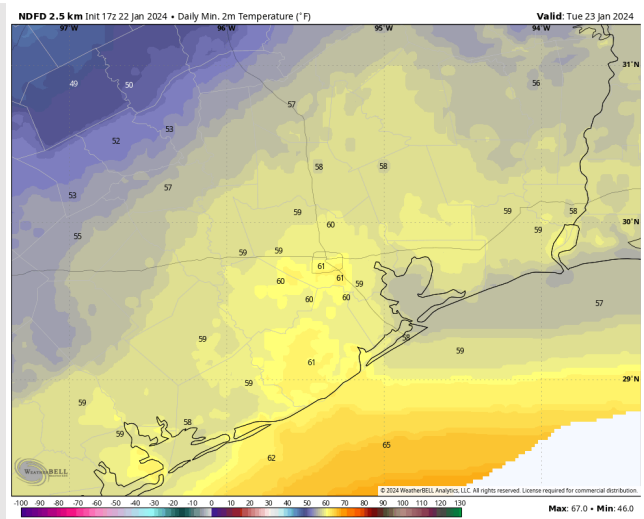
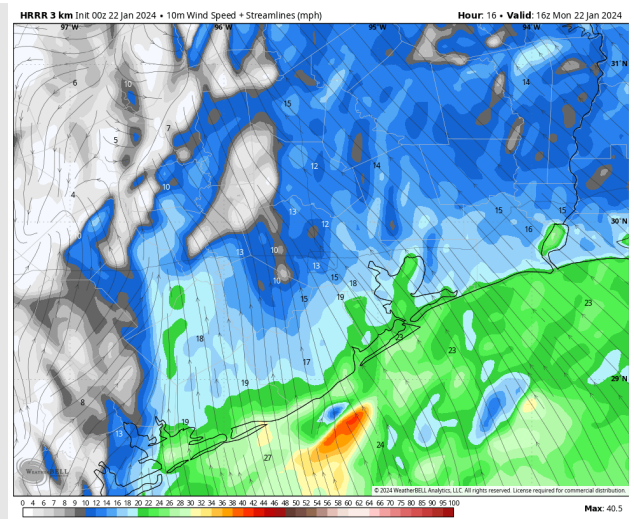
Low Temps: **N of Morgan's Point:** Upper 50s F, **Near 60 F S of Morgan's Point:** Mid to Upper 50s F.

Visibility: Reduced visibilities will be possible under heavier downpours, with periods of fog able to mix in after 6 PM when rain becomes more scattered. See Visibility Slide.

Precip Image: 5 PM CT



**Wind Speed:
10 AM CT**



**Low Temps
TUE AM**

Forecast Discussion

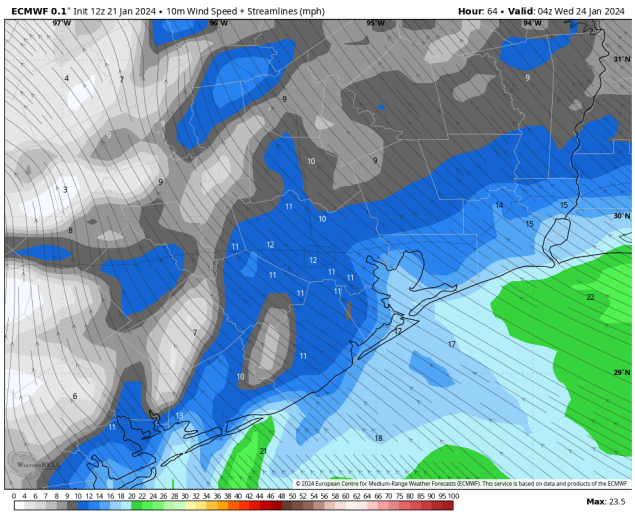
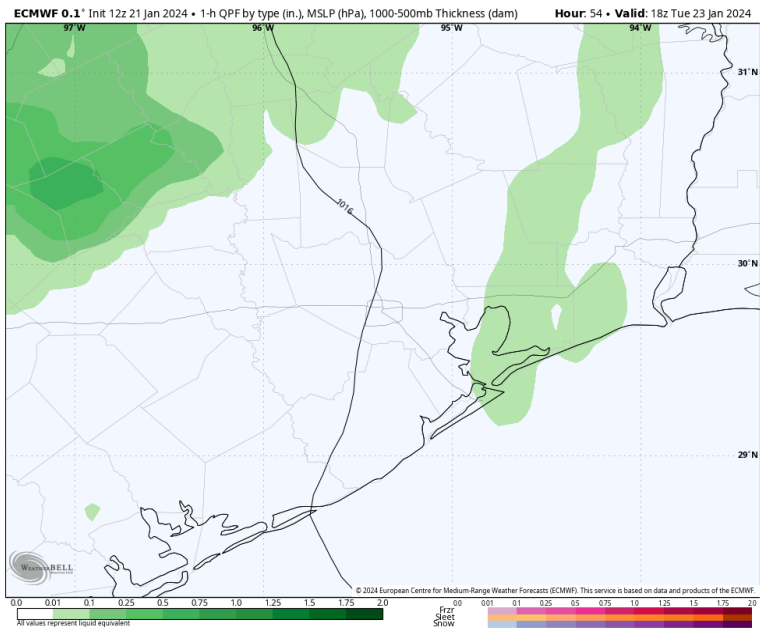
Precip: Scattered rain showers to continue through ~1 PM TUE. After 1 PM, isolated pockets of rain will be possible, however better coverage will remain to the N/W.

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

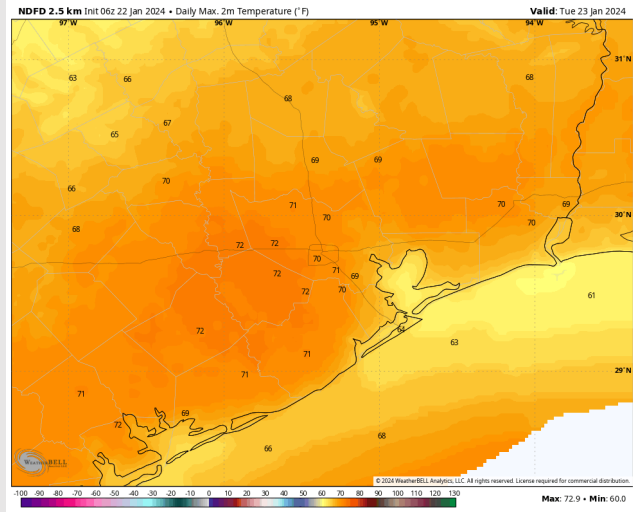
High Temps: **N of Morgan's Point:** Near 70 F **S of Morgan's Point:** Low 60s F

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

Precip Image: 12 PM CT



**Wind Speed:
10 PM CT**



**High Temps
Tuesday**

Forecast Discussion

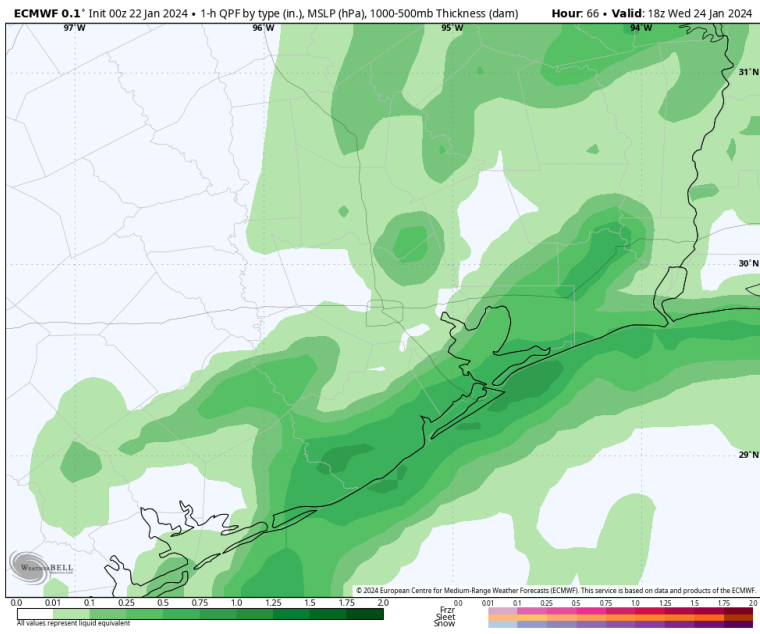
Precip: Scattered showers (60-70%) enter the area shortly after 12 AM and impact all Stations through 5 PM. After 5 PM, hit/miss showers (30-40%) remain for Stations S of 51/52 through the remainder of the evening.

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.

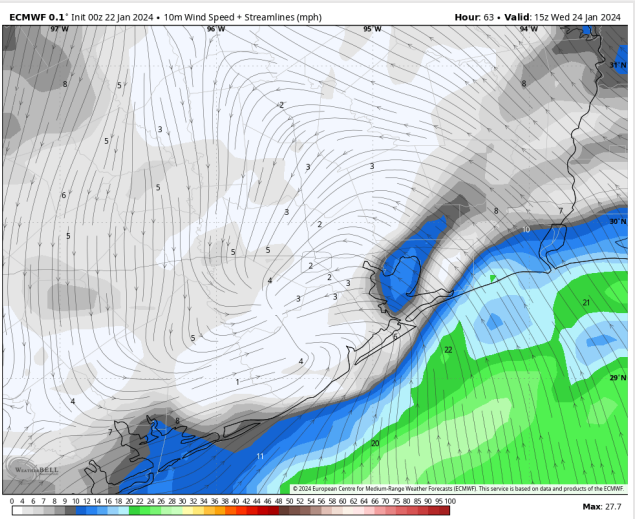
High Temps: **N of Morgan's Point:** Low 70s F. **S of Morgan's Point:** Mid 60s F.

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

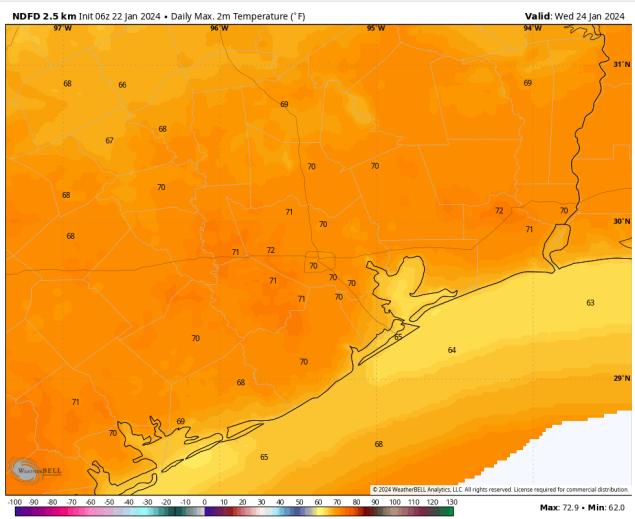
Precip Image: 12 PM CT



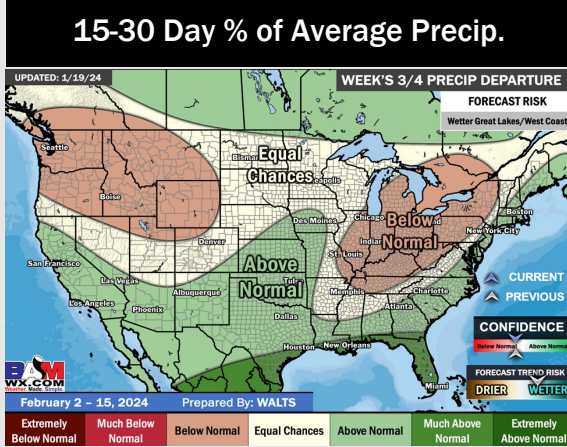
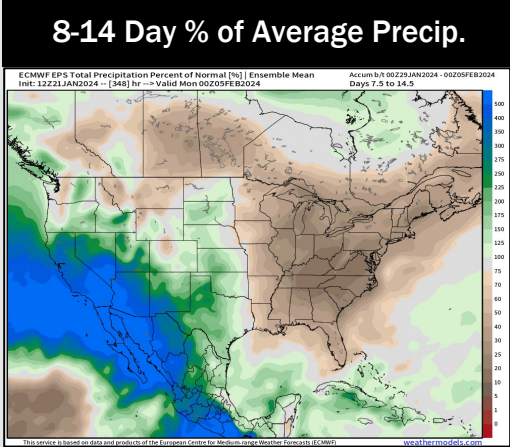
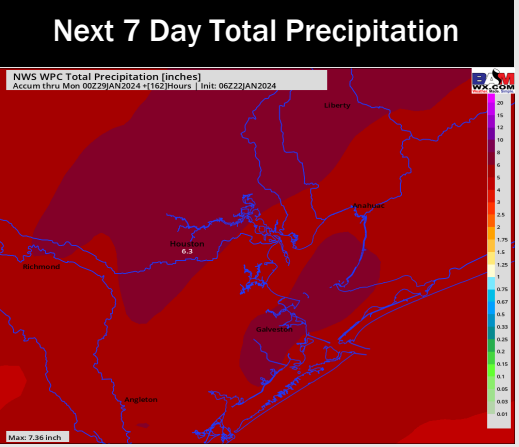
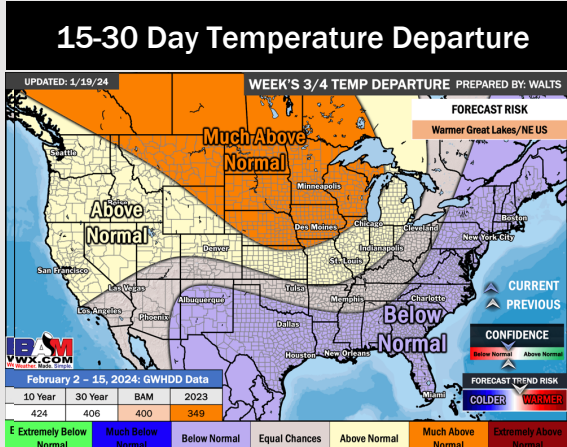
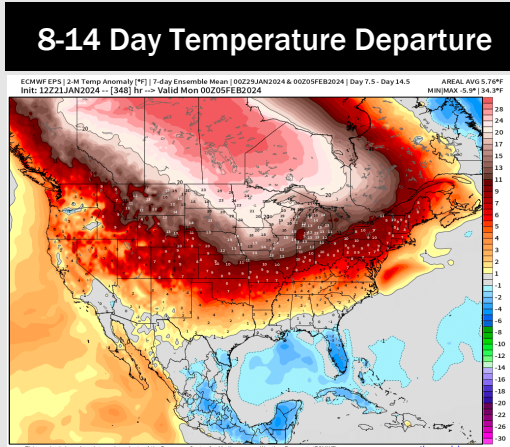
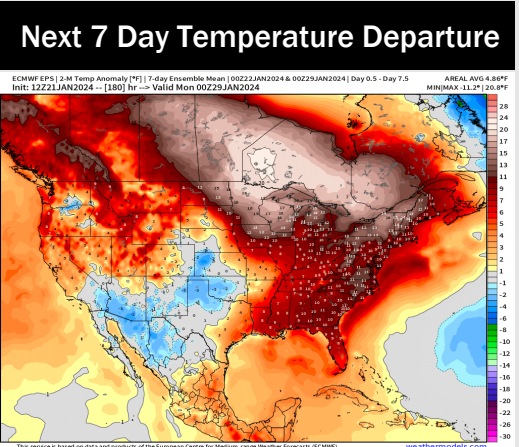
Wind Speed:
9 AM CT



High Temps
Wednesday



Houston Pilots: 1/22/24



- Downpours today through Thursday can yield rainfall amounts of 3 - 5" + rain. Above normal temperatures favored for the week ahead.
- Slightly below to seasonal rain chances are expected for the week 2 timeframe. Temps expected to become seasonal for the week 2 timeframe.
- Below normal temperatures and above normal chances for precipitation are favored in the weeks 3/4 timeframe.