

# Houston Pilots Forecast Package



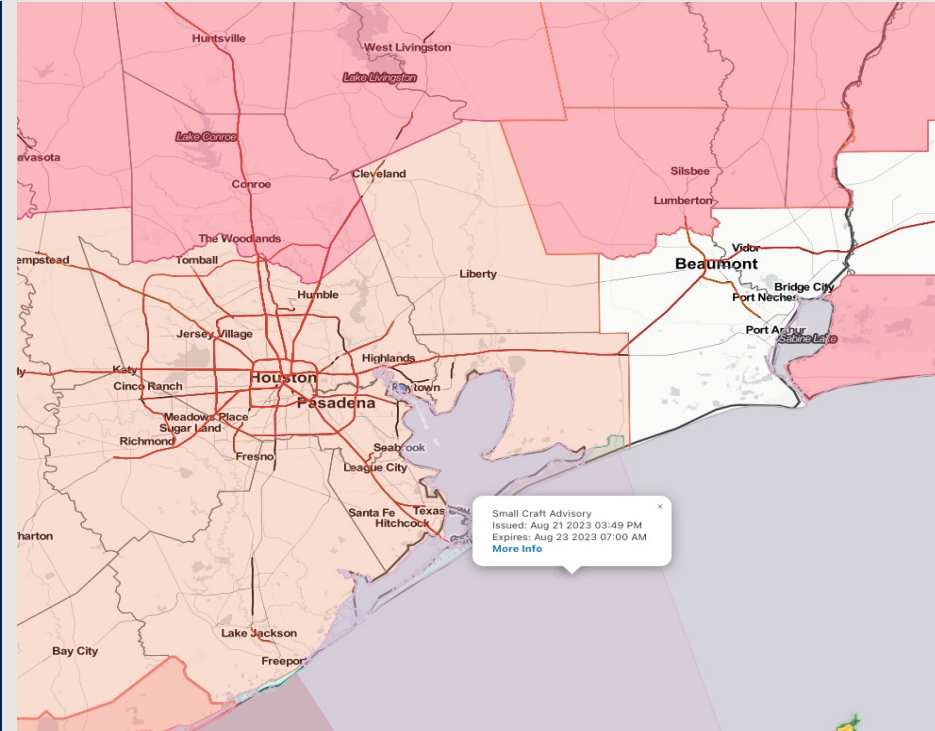
Updated: 4:00 AM CT

Tuesday, August 22, 2023

Forecaster: Matt Griffin

## Weather Headlines

- **Tropical Storm Harold** expected to make landfall along the SE Texas coast at 8 – 9 AM. Wave heights near 6' will be possible through about 2 PM.
- Bulk of precipitation chances look to go south. However, scattered storms will still be possible.
- A few minor precipitation chances exists later into the week with limited wind issues.



**Radar/NWS Alerts: 3:45 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 Tropical 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	N/A	N/A	N/A
Yankee	N/A	N/A	N/A
Zulu	<b>NO</b>	<b>IN EFFECT</b>	<b>2 PM CT TUE</b>

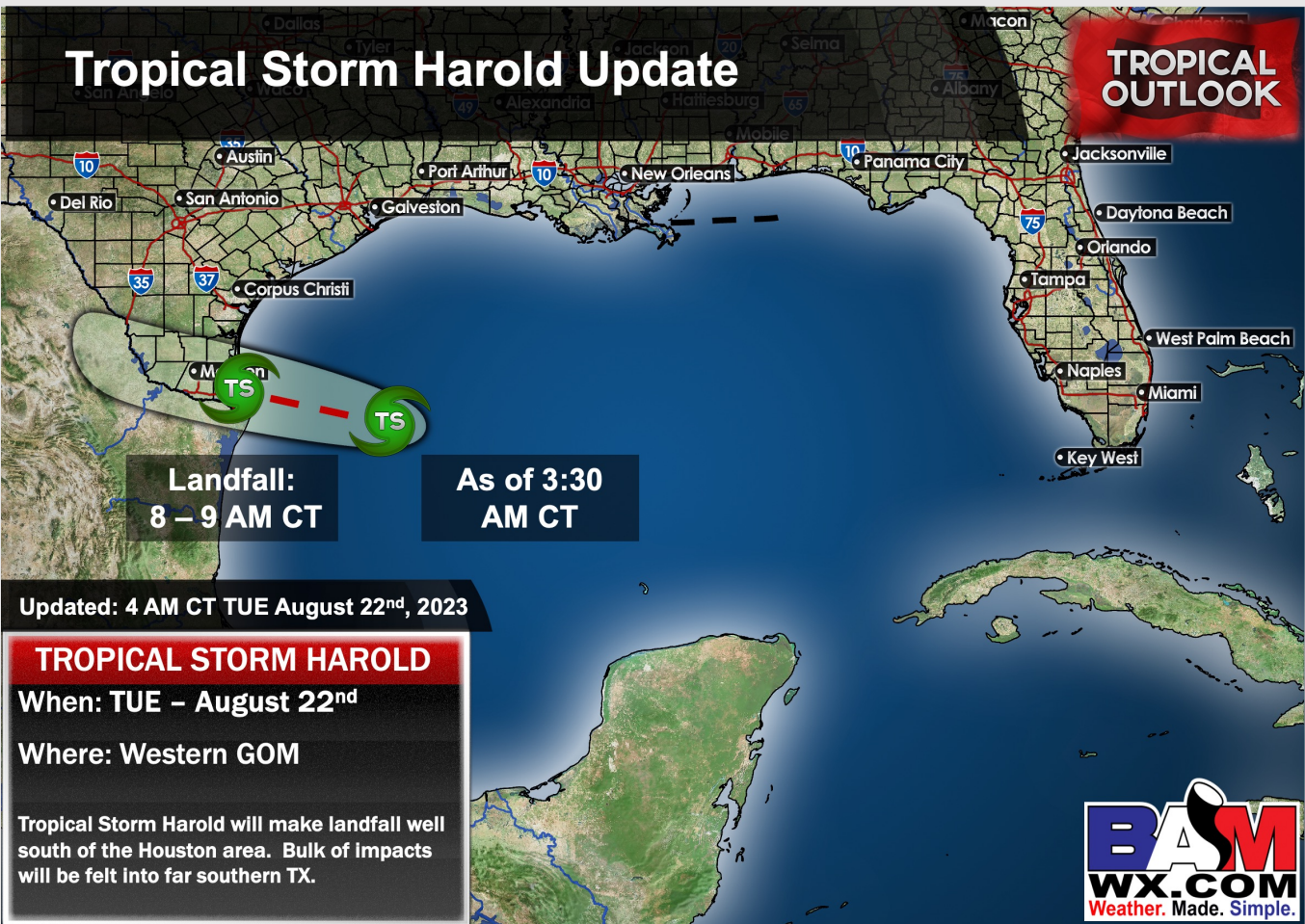
Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or <b>6' wave height</b>	<b>Yes</b>
Yankee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

- **Data continues to maintain 5-7' wave height potential associated with Tropical Storm Harold for the boarding station.** The nearby buoy has already reported some significant wave heights near 6.6 feet.
- **The timing most at risk to see these increased wave heights would be through 2 PM TUE.** The boarding station is at greatest risk to see these wave heights. **ALL OTHER STATIONS WILL REMAIN WELL BELOW 6' THRESHOLD WITH HIGH CONFIDENCE.**
- **The core of the tropical storm will make landfall toward TX/MX border.**

# Houston Pilots Tropical Update



## Tropical Storm Harold Track



Tropical Storm Harold is expected to make landfall later this morning around 8 – 9 AM well south of the Houston area.

Currently not anticipating Harold to reach Hurricane status.

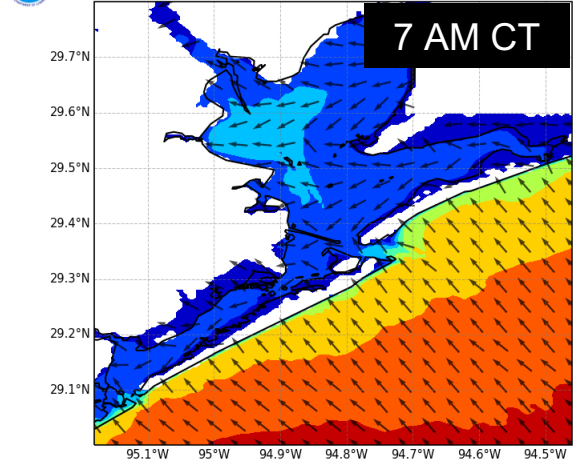
Winds at Houston will be elevated from this system allowing for sustained winds around 20 – 25 knots in general with gusts of 25-30 knots. Cannot fully rule out isolated/ brief gusts of higher, especially if caught under a storm (near 35 knots).

Of greatest concern will be wave heights. Current thinking is that significant wave heights near 6' will continue to be possible through about 2 PM this afternoon.

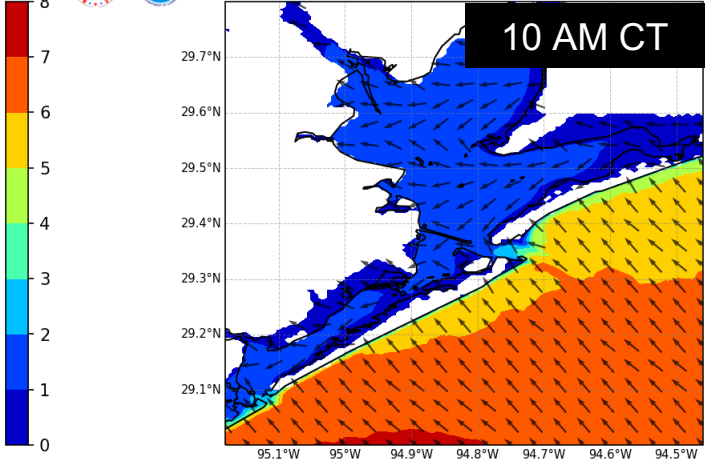
# Houston Pilots Tropical Update

## Significant Wave Height 4-Panel

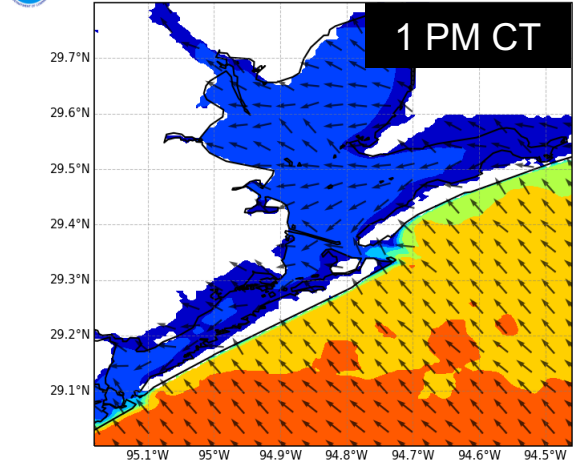
NWPS Significant Wave Height (ft) and Peak Wave Direction  
Hour 6 (12Z22AUG2023)



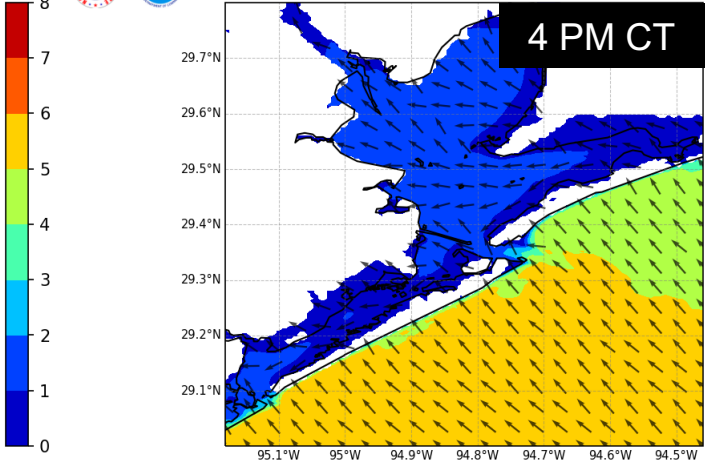
NWPS Significant Wave Height (ft) and Peak Wave Direction  
Hour 9 (15Z22AUG2023)



NWPS Significant Wave Height (ft) and Peak Wave Direction  
Hour 12 (18Z22AUG2023)



NWPS Significant Wave Height (ft) and Peak Wave Direction  
Hour 15 (21Z22AUG2023)



The Images to the left show significant wave heights through the afternoon today.

Current thinking is the risk of 6' drops off around 2 PM where we will lift the Zulu threshold.

# Houston Pilots Visibility Chart (miles)



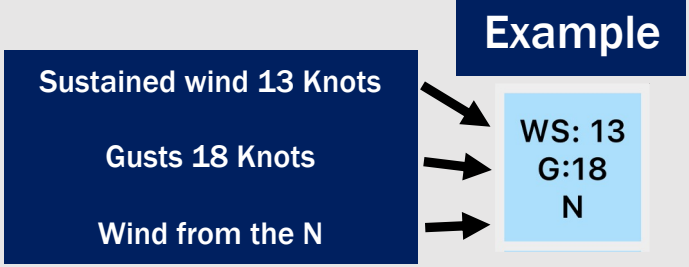
## Forecast Confidence



Time	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	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	
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	7	7	6	7	10	10	10	10	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	8	7	7	8	10	10	10	10	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	8	8	8	8	10	10	10	10	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	9	8	8	8	10	10	10	10	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	8	8	8	8	10	10	10	10	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	8	8	10	10	10	10	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	8	10	10	10	10	10	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	10	10	10	10	10	10	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	10	10	10	10	10	10	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	10	10	10	10	10	10	10	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	10	10	10	10	10	10	10	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	10	10	10	10	10	10	10	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	10	10	10	10	10	10	10	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	10	10	10	10	10	10	10	10	10	10

**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



Time Knots	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	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	
610 Bridge	7	7	8	8	9	10	11	12	13	13	13	13	13	13	12	12	10	8	7	6	5	4	4	4	2	2	2	2	4	4	4	5	6	8	6	6	6
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	ENE	NNE	NNE	NE	NE	ENE	ENE	ENE	E	ESE	SE		
Kinder 1	7	7	8	8	9	10	10	12	13	13	13	13	13	13	12	12	9	8	7	6	5	4	4	2	2	2	2	4	4	4	5	5	6	6	6	6	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	ENE	NNE	NNE	NNE	NE	ENE	ENE	E	ESE	SE			
Greens Bayou	7	7	8	8	9	10	10	12	13	13	13	13	13	13	12	11	9	8	7	6	5	4	3	2	2	2	2	4	4	4	5	5	6	6	6	6	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	E	NNE	NNE	NNE	NE	ENE	ENE	E	ESE	SE			
Shell Crude	7	7	8	8	9	10	11	12	13	14	13	13	13	14	13	12	11	9	8	7	6	5	4	4	2	2	2	4	4	4	5	5	6	7	7	7	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SE	E	NNE	NNE	NNE	NE	NE	ENE	E	ESE	SE		
Lynchburg Ferries	7	8	8	8	9	10	11	12	13	14	14	14	14	15	14	13	11	10	9	7	6	6	5	4	4	3	3	4	4	4	5	5	6	7	7	7	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	ENE	NNE	NNE	NNE	NE	NE	ENE	E	ESE	SE		
Exxon 3	9	9	9	9	10	11	11	13	14	14	14	14	14	15	14	13	12	11	9	8	7	7	6	5	4	3	3	3	4	4	5	6	6	6	6	8	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	E	NNE	NNE	NNE	NE	NE	E	ESE	SE	SE			
Morgans Point	11	11	11	11	12	12	13	13	15	15	15	15	15	16	15	14	13	12	11	10	9	8	8	7	5	4	4	4	4	5	5	5	6	7	9	10	
	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SE	ENE	NE	NNE	NE	NE	E	ESE	SE	SE			
75/76	15	16	16	15	16	16	15	15	16	16	16	17	17	18	17	16	15	13	12	12	11	10	9	7	6	5	4	6	6	6	6	5	5	6	7	9	
	E	ENE	ENE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ENE	NE	NE	E	ESE	SE	SE			
63/64	17	17	18	17	17	17	17	17	18	18	17	17	17	17	16	16	15	14	13	12	11	10	9	7	6	5	4	5	7	6	5	4	5	7	9	10	
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51/52	16	17	17	17	17	17	17	17	18	18	17	17	17	16	16	15	14	13	12	12	11	10	8	7	6	5	4	5	6	6	5	4	5	6	8	8	
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37/38	17	17	17	18	17	17	18	18	18	18	17	17	16	15	15	14	13	12	12	11	10	9	8	7	6	4	3	4	6	6	5	5	5	6	7	8	
	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	ESE	ENE	NE	NE	E	ESE	SE			
25/26	16	17	17	17	17	17	17	17	17	17	17	16	15	14	13	13	12	11	10	10	9	8	7	6	5	4	3	4	5	6	5	5	6	6	7	8	
	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	NE	NE	ENE	ESE	SE			
11/12	16	17	17	17	17	17	17	17	17	16	16	15	15	14	13	13	12	11	10	10	9	9	8	6	5	4	3	4	5	6	6	6	6	7	8	8	
	E	E	E	E	E	E	E	E	E	E	ESE	E	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ENE	NE	NE	ENE	ENE	ESE	SE		
1 & 2 Bravo	20	21	21	21	21	20	21	19	19	17	17	17	15	15	14	14	14	13	12	11	10	9	8	6	6	4	5	6	6	4	5	5	5	6	6	6	
	E	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	E	ENE	NE	NE	ENE	ESE	SE			

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## Forecast Discussion

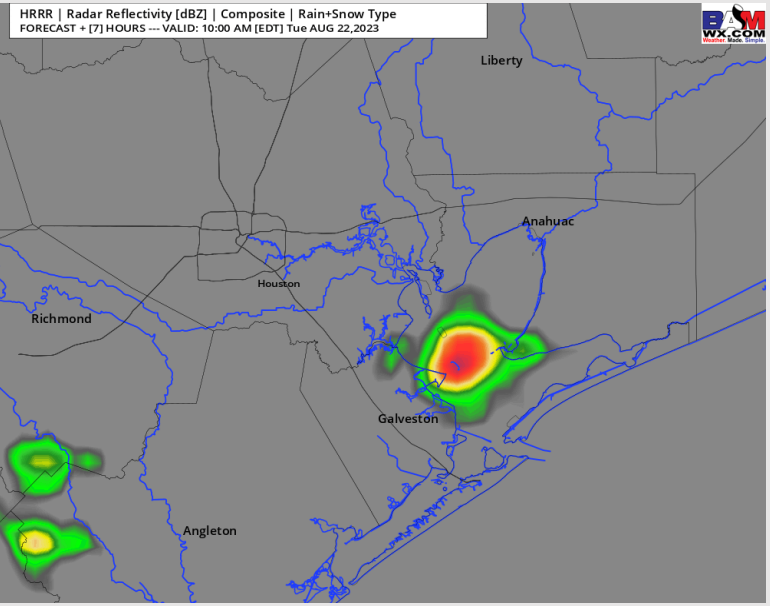
**Precip:** Continue to favor the bulk of storms to stay south of Houston. However, a few scattered storms will be possible starting between 6 AM (around 20%). Into the afternoon about 25% chances exist through about 7 PM. If caught under a storm, wind gusts near 35 knots will be possible.

**Wind:** ESE winds continue through the AM with sustained winds around 20 – 24 knots for the boarding station with gusts near 25 – 30 knots and 15 – 20 knots sustained between Morgan’s Point and the Boarding Station with gusts up to 26 knots. For locations north of Morgan’s Point, winds will pick up through the morning becoming sustained around 9 – 12 knots by 11 AM. Winds will steadily weaken into the afternoon as we lose influence from Harold. By 4 PM, winds south of Morgan’s Point are expected to sustained around 15 – 18 knots wight gusts near 20 knots. North of Morgan's Point winds are expected to be sustained around 12 – 16 knots by 4 PM. Winds will continue to weaken through the overnight while remaining from the SE. By 9 PM, sustained winds at the boarding station are expected to be sustained around 12 – 15 knots with gusts to 18 knots with weaker winds expected north of the boarding station.

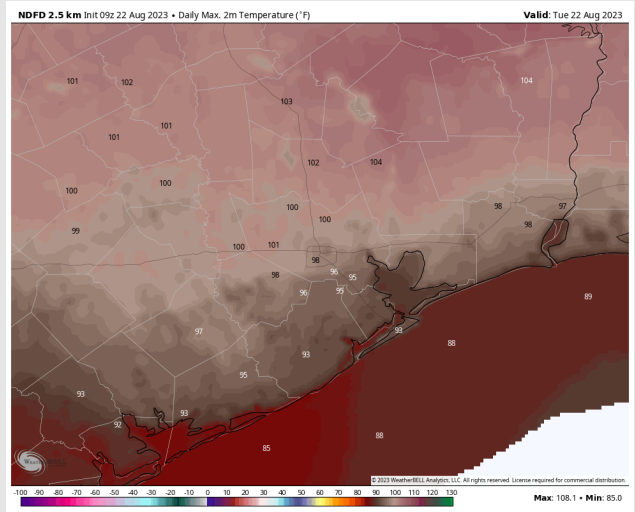
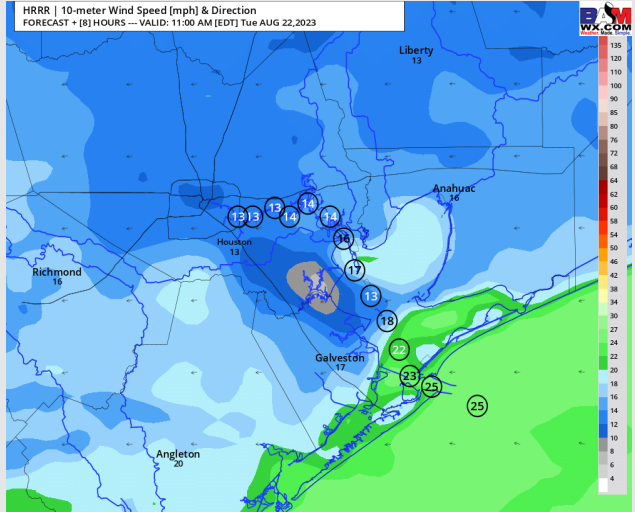
**High Temps:** High Temps expected to be in the low 90’s F over open waters with high temperatures in the mid to upper 90’s F north of Morgan’s Point.

**Visibility:** Brief Periods of reduced visibility near the Boarding Station associated with heaviest downpours.

## Precip Image: 9 AM CT



Wind Speed:  
10 AM CT



High Temps  
Tuesday

# Houston Pilots: Wed. 8/23/2023



## Forecast Discussion

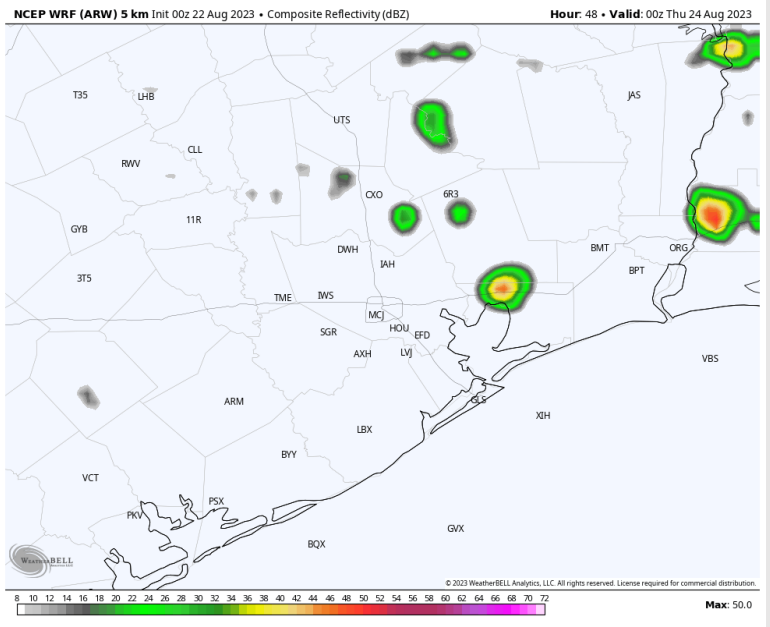
**Precip:** Currently favoring dry weather for Wednesday with isolated (10%) chances from 4 PM – 11 PM.

**Wind:** Winds will be out of the SE WED before shifting to out of the NE by 8 - 9 AM. Through 3-8 PM, winds will gradually veer until out of the S/SW the rest of the day. Winds N of Morgan's Point will be 2-7kts through 4 PM before increasing to 5-10kts the rest of the day. S of Morgan's Point, winds will decrease from 8-13 kts to 2-7kts by 7 AM and remain there until 4 PM. After 4 PM, winds increase to 8-12 knots the rest of the day.

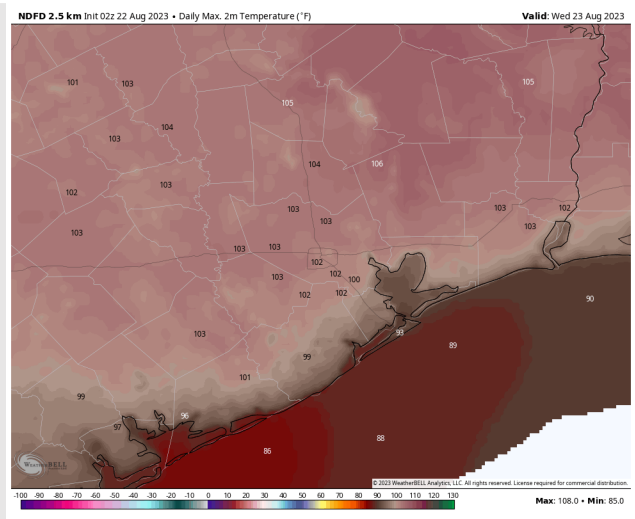
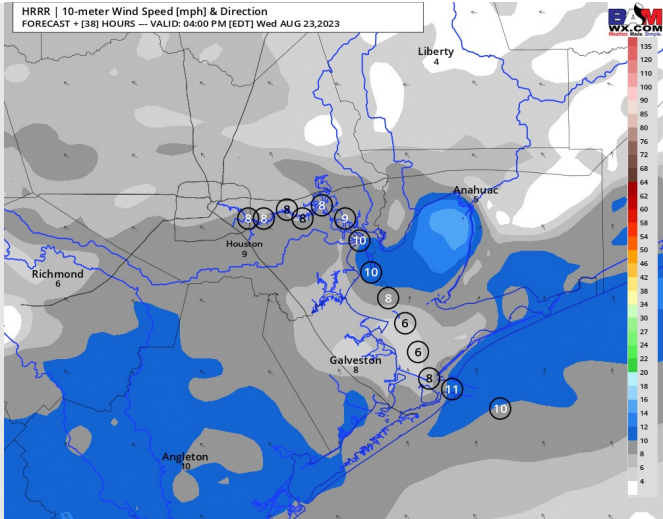
**High Temps:** S of Morgan's Point: Low 90s F. N of Morgan's Point: Upper 90s/Near 100 F.

**Visibility:** Not anticipating any fog issues at this time.

## Precip Image: 7 PM CT



Wind Speed:  
3 PM CT



High Temps  
Wednesday



## Forecast Discussion

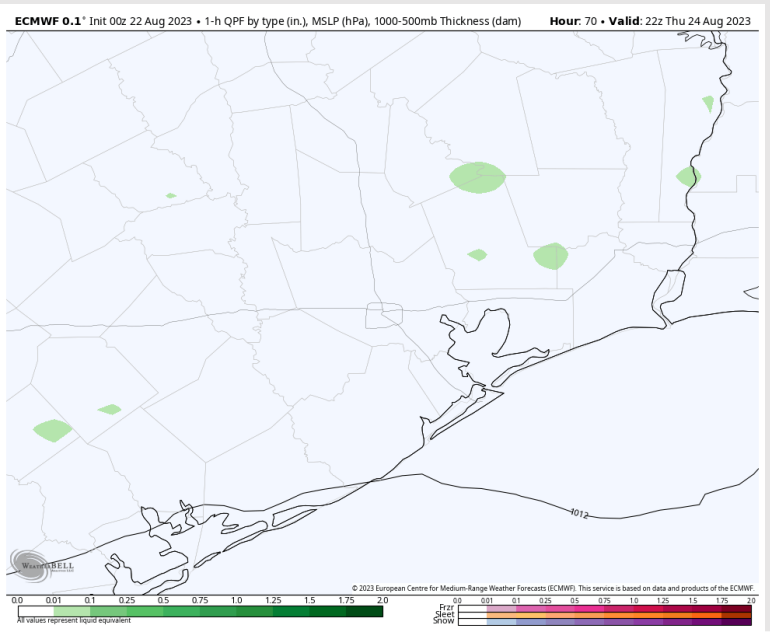
**Precip:** Dry conditions anticipated on Thursday with only a mention of something isolated in the afternoon (10%)

**Wind:** Winds will start out of the W/SW in the early morning before veering to out of the NW by 6-7 AM. After 1 PM, winds will gradually shift to being out of the SW by 5 PM and continue there the rest of the evening. Winds North of Morgan's Point will be 3-8 kts the entire day. Winds South of Morgan's Point will be 7-12 kts throughout the entire day outside of a slight decrease to 4-9kts from 11 AM – 3 PM.

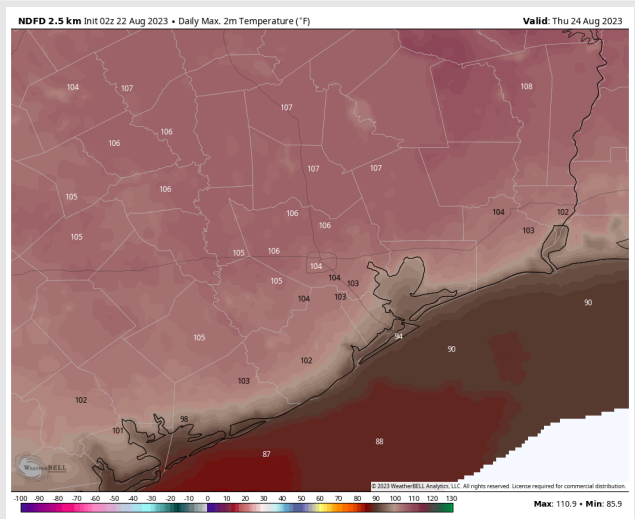
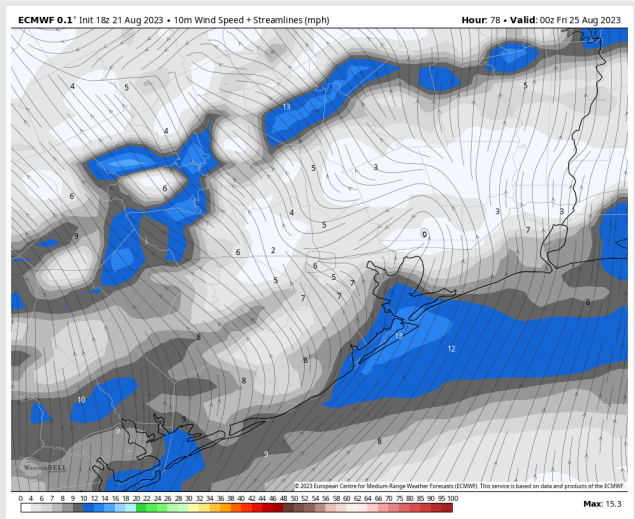
**Low Temps:** S of Morgan's Point: Low 90's F. N of Morgan's Point: Low 100s F.

**Visibility:** No visibility issues expected on Thursday.

## Precip Image: 5 PM CT

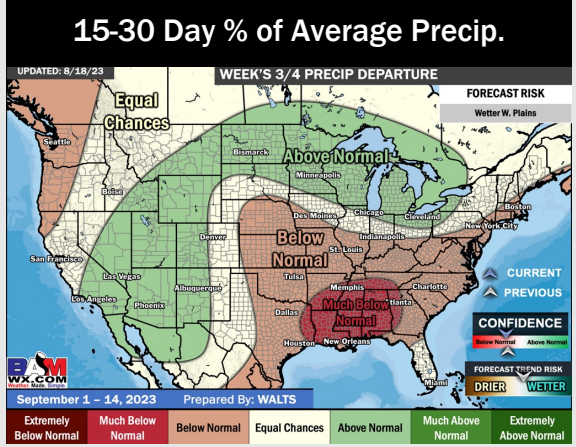
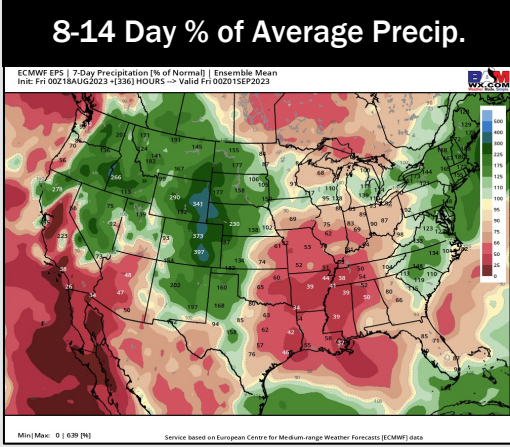
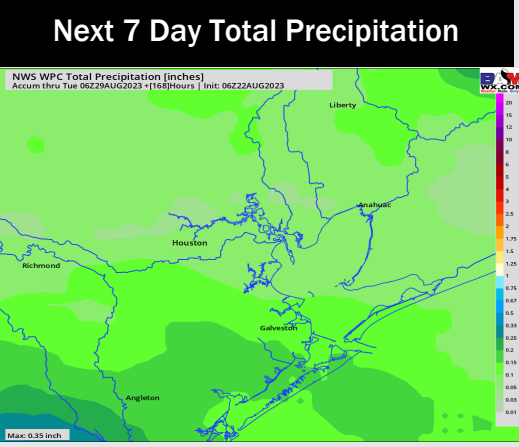
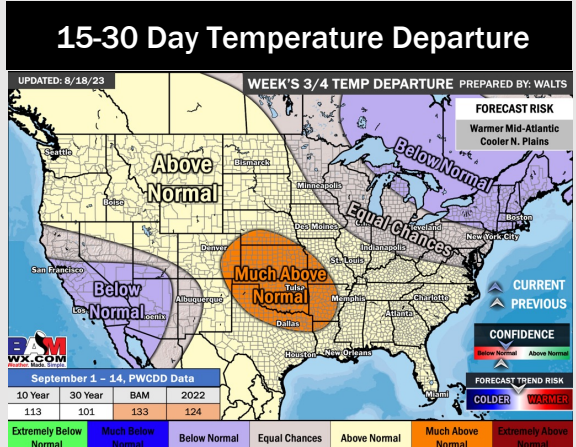
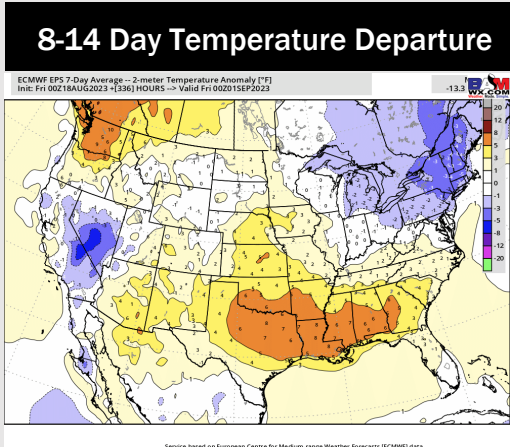
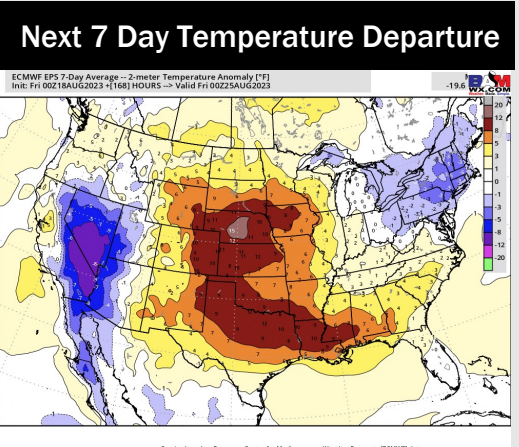


Wind Speed:  
7 PM CT



High Temps  
Thursday

# Houston Pilots: 8/22/23



- Today will be the best day for precipitation upcoming with some additional minor chances later this week. Expect temperatures to continue to remain above normal.
- Expecting below normal precipitation chances and above normal temperatures for the week 2 timeframe.
- Above normal temperatures and below normal chances for precipitation are favored in the weeks 3/4 timeframe.