

# Houston Pilots Forecast Package



Updated: 4:00 PM CT

Monday, August 21, 2023

Forecaster: John Kemper

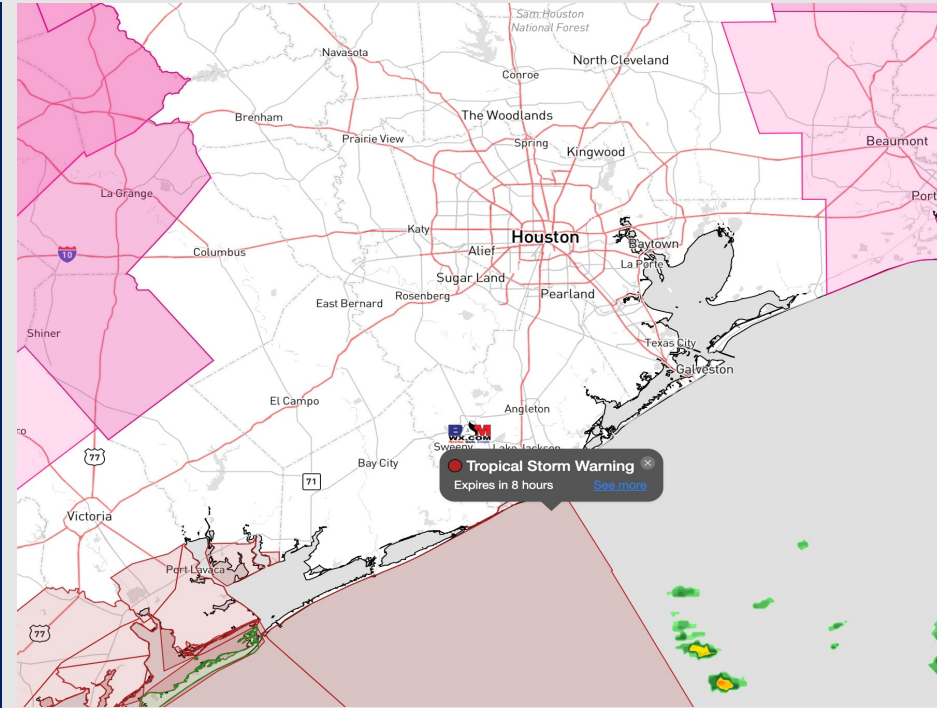
## Weather Headlines

➤ **CLICK HERE FOR VIDEO UPDATE:**  
[Video Update](#)

➤ Tropical system expected to stay south. However, wave heights near 6' will be possible, mainly into TUE AM.

➤ 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: 4:00 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 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>1 PM CT TUE</b>

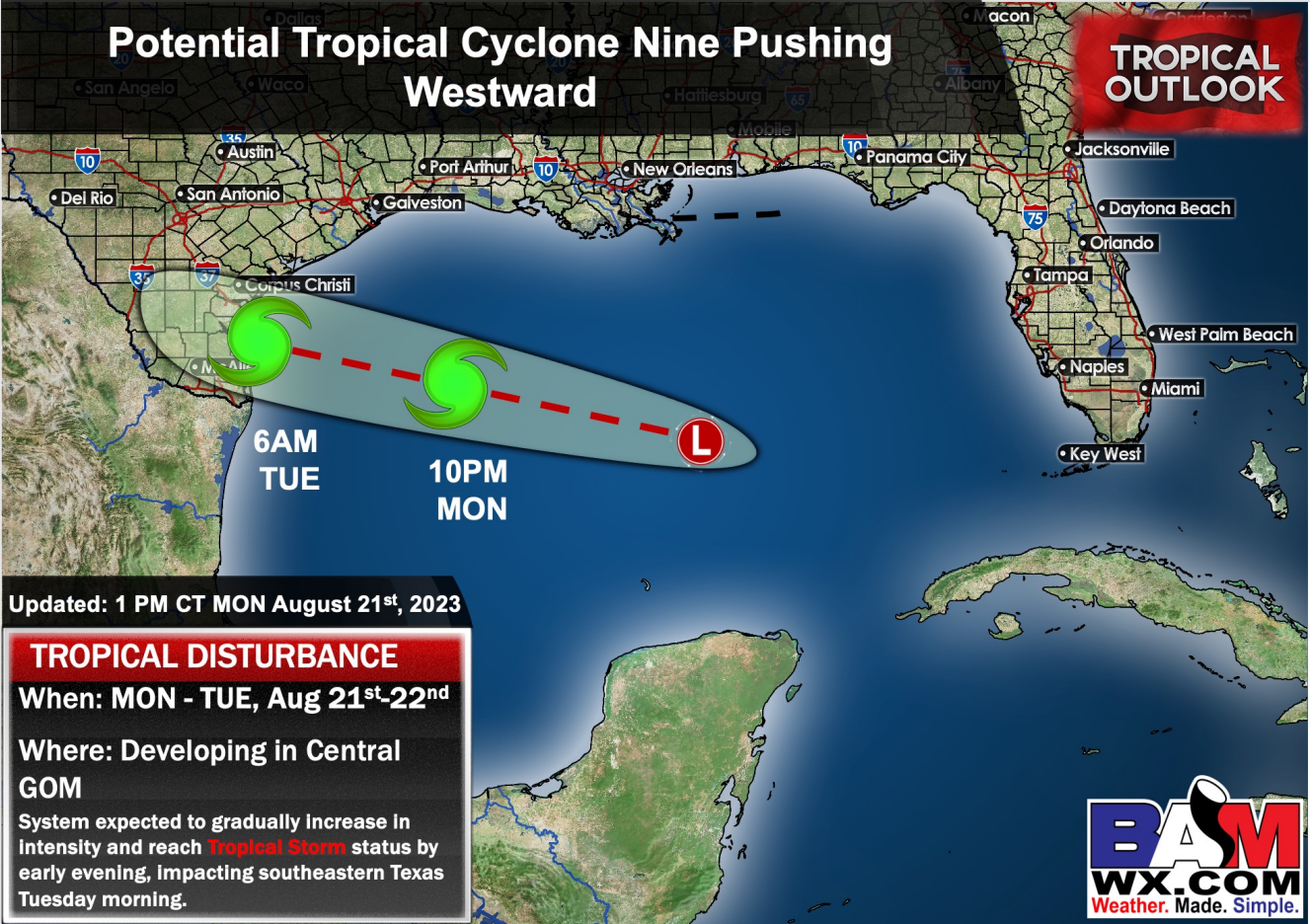
Port Condition	Trigger Definition	Trigger Reached?
Victor	Hurricane entering/developing in Gulf of Mexico that's a threat to the area	No
Whiskey	72 hours prior to predicted sustained winds of 34+ KTS	No
X-Ray	48 hours prior to predicted sustained winds of 34+ KTS or <b>6' wave height</b>	<b>Yes</b>
Yankee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

- **Recent data continues to maintain 5-6' wave height potential associated with TUE tropical storm toward the HOU area.** While there is lower confidence the 6'+ wave height threshold is met for nearshore stations, data trends have made this an associated risk relating to storm swells as a result of incoming storm.
- **The timing most at risk to see these increased wave heights would be 4 AM to 1 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.**
- There will be the risk that as this system develops and starts to move West toward the TX Coast, wave height data will start to trend lower once again, and the Zulu Trigger could be lifted tonight/tomorrow morning. At present, we believe the risk exists and thereby the trigger issuance is warranted. **The core of the tropical system still will track further toward TX/MX border.**

# Houston Pilots Tropical Update



## Potential Tropical Cyclone Nine System Track



Potential Tropical Cyclone 9 expected to reach Tropical Storm Status by early evening. Hurricane development is not favored.

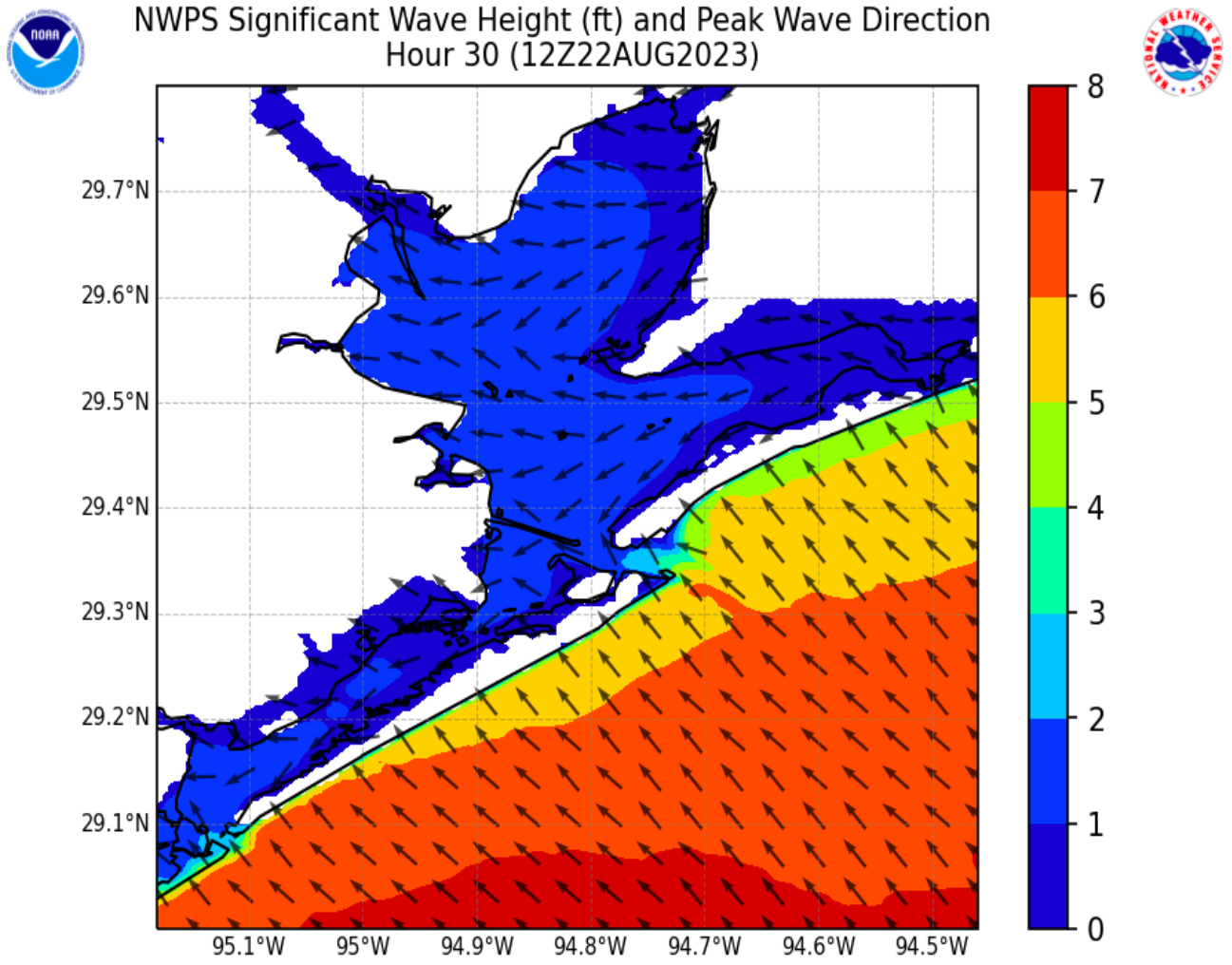
Regardless, this system is anticipated to make **landfall well south of the Houston area** with very good model agreement/consensus. Current timing is around 7 - 10 AM TUE morning for this to occur.

**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 to locally 35 knots.**

**Of greatest concern will be wave heights. Significant Wave heights will be flirting with the 6' threshold. With current anticipation for a general 5 - 6' wave heights tomorrow morning/ afternoon (more info on the following slide).**

# Houston Pilots Tropical Update

## Significant Wave Heights at 7 AM CT TUE



The image to the left shows the peak wave heights and peak wave direction associated with the incoming tropical system.

The best time frame for peak wave heights in the 5' - 6' range are 4 AM TUE - 1 PM TUE.

# 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	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	
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	10	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	10	10	10	10	10	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	10	10	10	10	10	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	10	10	10	10	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	10	10	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	10	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



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

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## Forecast Discussion

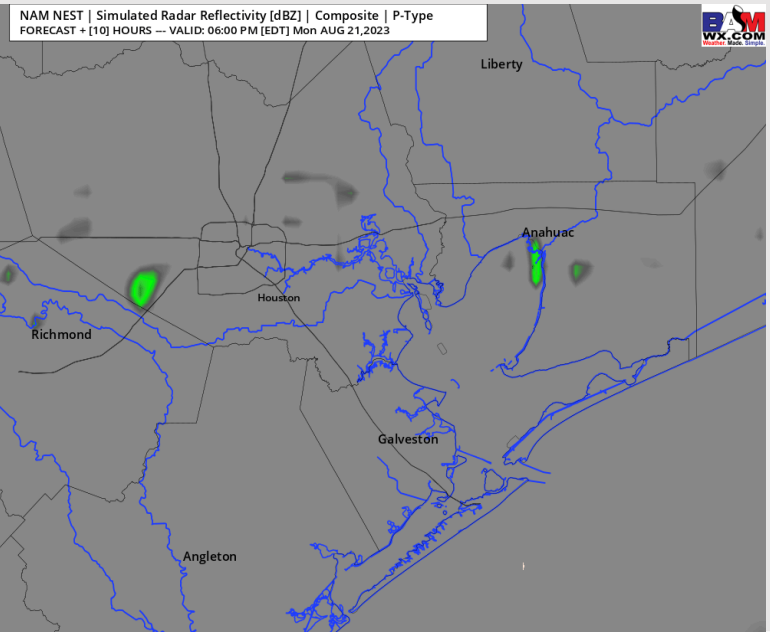
**Precip:** Bulk of storm/ rain activity is expected to stay mostly south of HOU today. Will include a 10% chance from 3 PM – 8 PM of a isolated storm or brief shower.

**Wind:** Winds to continue to shift out of the ESE into the afternoon/ evening with a notable uptick in winds after 7 PM CT. By 10 PM CT winds at the boarding station are expected to be sustained around 17 – 21 with gusts of 25 to locally 30 knots possible. Sustained winds from the ESE will continue to build into TUE AM. Between Morgan's point and the boarding station, sustained winds are expected to be around 13 – 17 knots sustained with gusts near 25 knots by 10 PM CT. Winds will be lighter for points north.

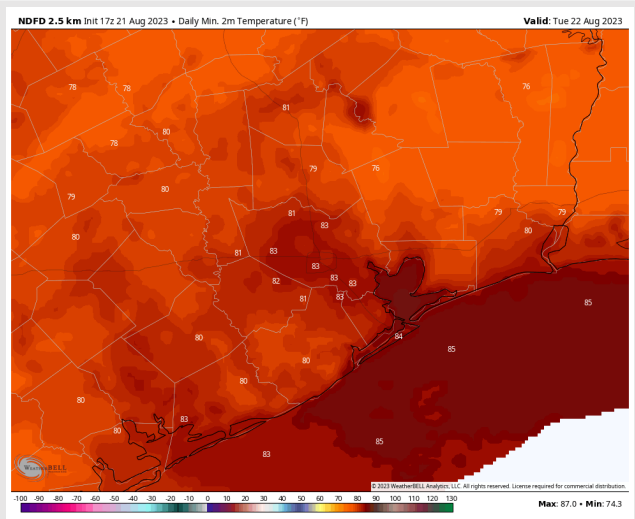
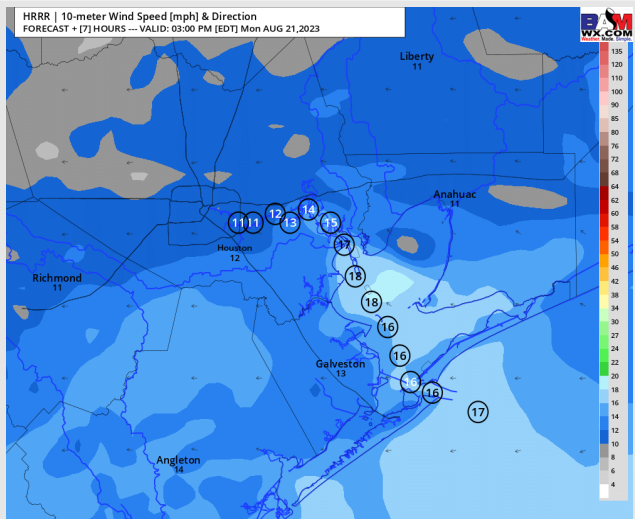
**Low Temps:** S of Morgan's Point: Mid 80's F. N of Morgan's Point: Lower 80s

**Visibility:** No visibility issues outside of isolated storms.

## Precip Image: 5 PM CT



Wind Speed:  
2 PM CT



Low Temps  
TUE AM

## Forecast Discussion

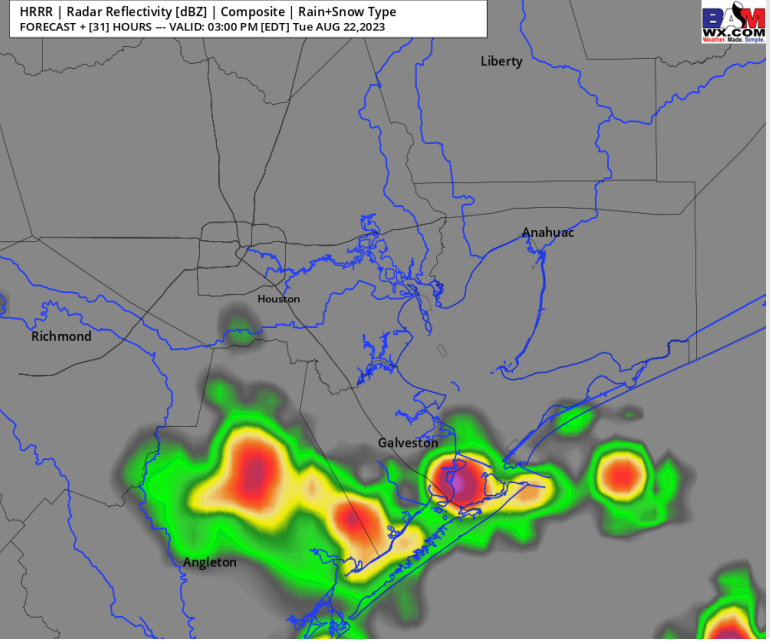
**Precip:** Continue to favor the bulk of storms to stay south of Houston. However, a few scattered storms will be possible in the AM (around 20%). Into the afternoon about 25% chances exist through about 7 – 8 PM.

**Wind:** ESE winds continue to drive into the HOU area through the morning hours of TUE. Towards the boarding station, winds are expected to be 17 – 22 knots sustained with gusts near 26 – 30 knots, locally up to 35 knots. Between Morgan's point and the boarding station, sustained winds are expected to generally be 13 – 17 knots sustained with gusts up to 21 – 26 knots and will have more of an easterly component. Winds into the afternoon will start to gradually wane after 1 – 3 PM for locations south of Morgan's Point (likely pick up for locations north of Morgan's point into the afternoon). By 6 PM, winds are expected to be from the SE sustained around 13 – 17 knots for locations south of Morgan's Point with gusts near 20 knots possible. Winds north of Morgan's Point by 7 PM look to be sustained near 13 – 15 knots with gusts up to 20 knots.

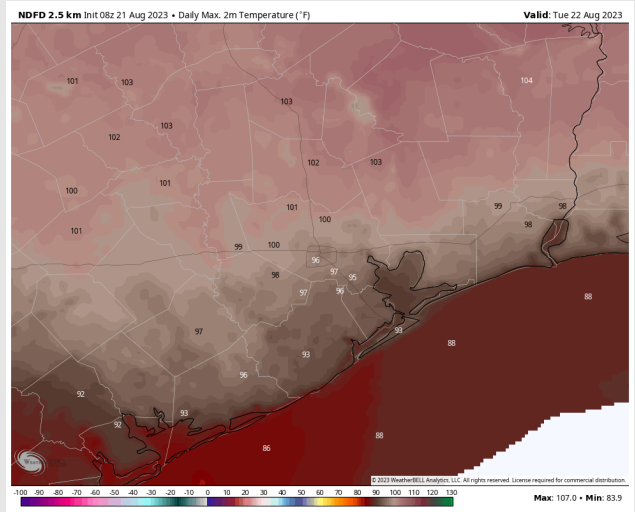
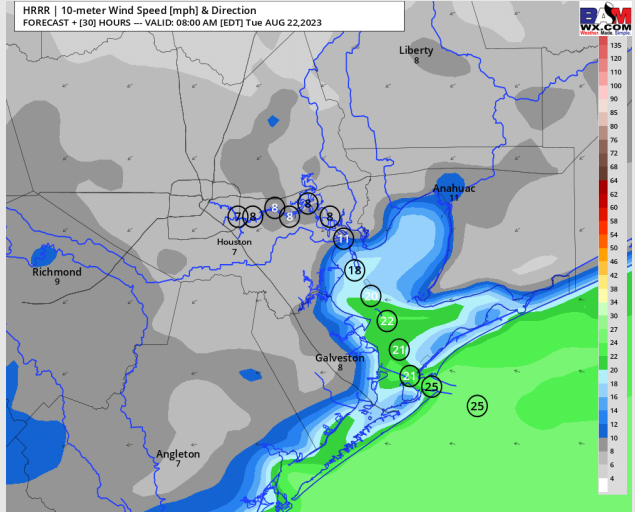
**High Temps:** S of Morgan's Point: Low 90's F. N of Morgan's Point: Mid-to-upper 90's F.

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

## Precip Image: 2 PM CT



**Wind Speed:  
7 AM CT**



**High Temps  
Tuesday**



# Houston Pilots: Wed. 8/23/2023



## Forecast Discussion

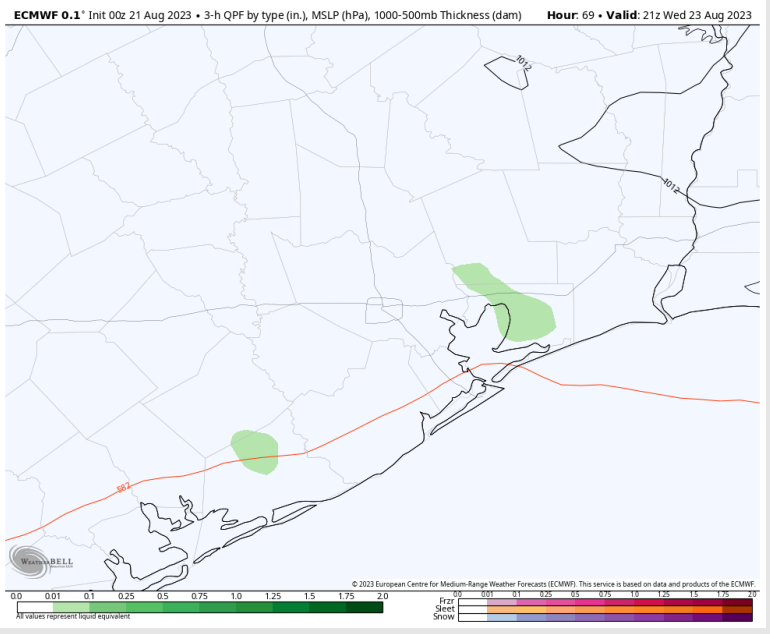
**Precip:** Dry weather is favored on Wednesday. However, will keep a mention of a 10% chance into the afternoon.

**Wind:** SE winds are expected to gradually weaken through the AM and will gradually shift towards the NE the back half of the AM hours. Through about 3 AM, winds at the boarding station will be sustained around 7 – 11 knots before continued weakening. Lighter winds expected north of the boarding station. Winds are expected to shift back to the SE after 2 PM WED with sustained wind around 3 – 9 knots.

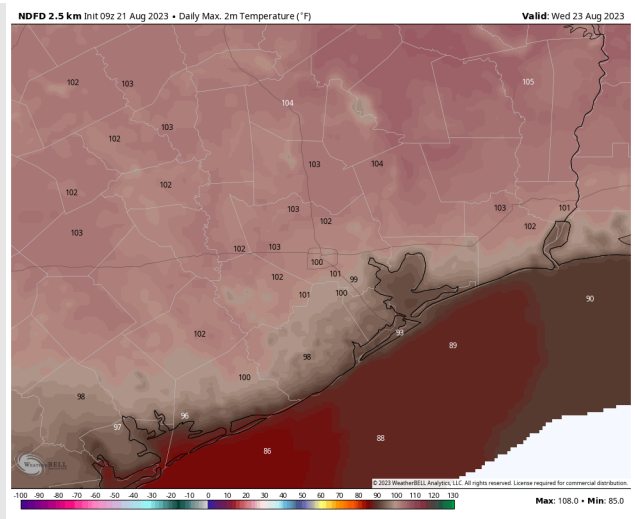
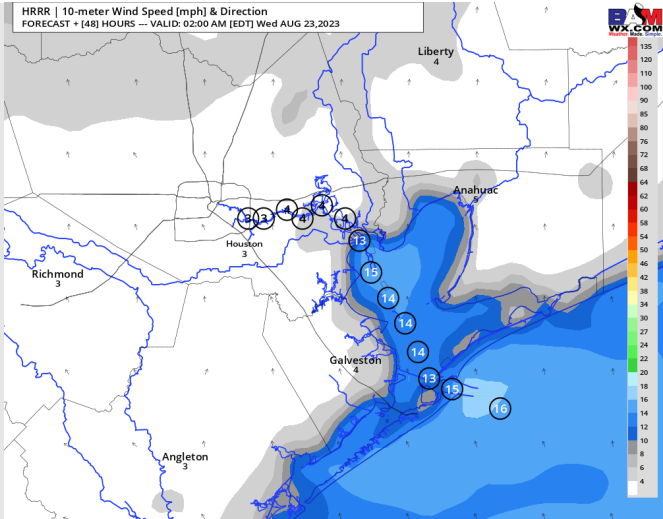
**High Temps:** S of Morgan's Point: Low 90s F. N of Morgan's Point: Upper 90s/Near 100 F.

**Visibility:** Not anticipating any visibility concerns.

## Precip Image: 4 PM CT

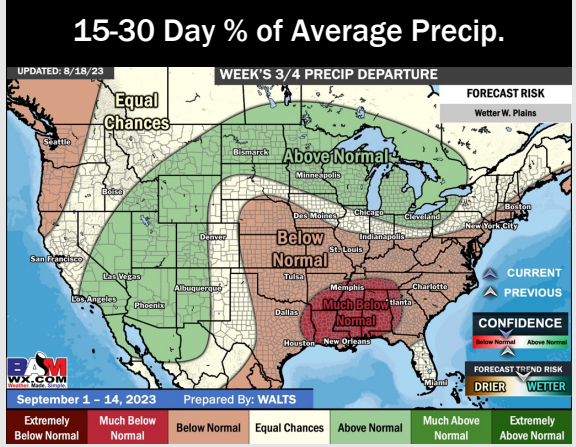
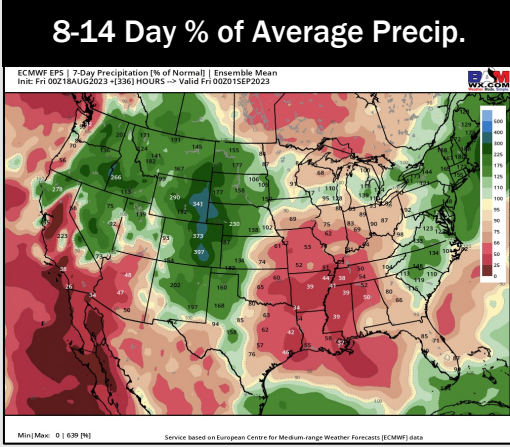
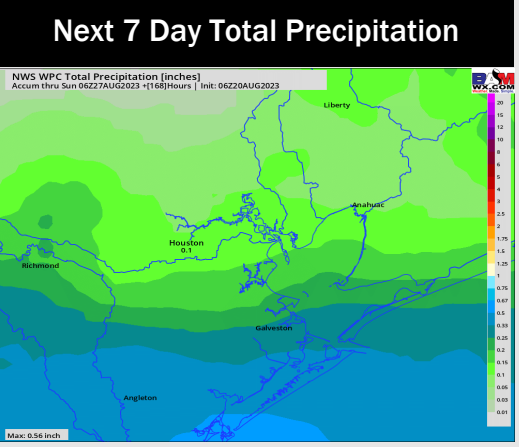
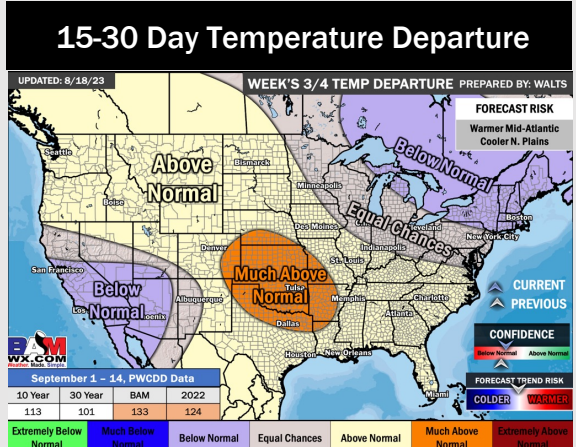
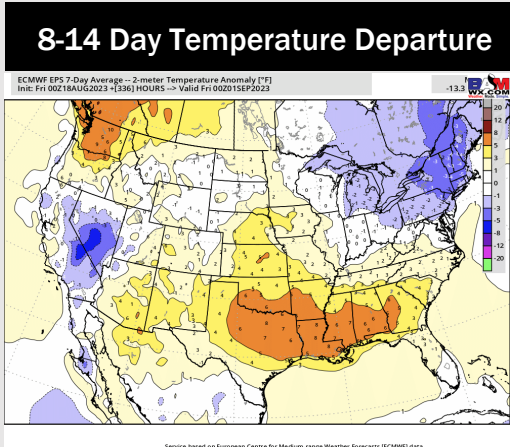
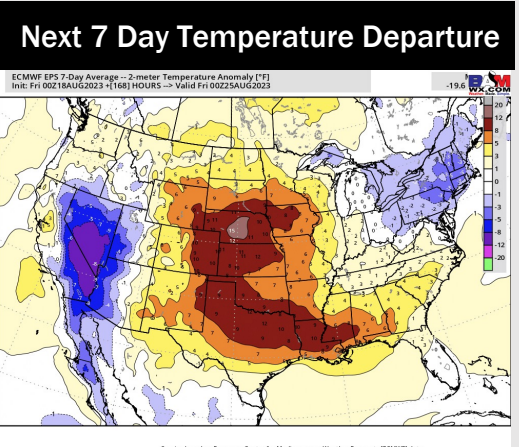


Wind Speed:  
1 AM CT



High Temps  
Wednesday

# Houston Pilots: 8/21/23



- Tuesday will be the “best” precip chance over the next several days with only minor/ isolated chances deeper into the week.
- 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 ¾ timeframe.