

# Houston Pilots Forecast Package



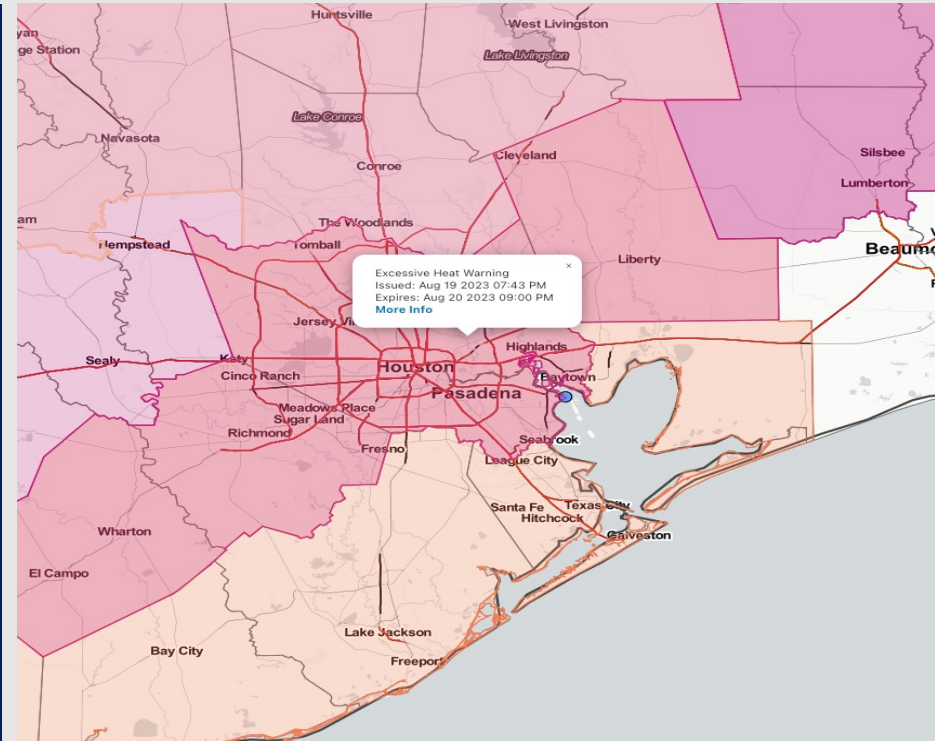
Updated: 5:30 AM CT

Sunday, August 20, 2023

Forecaster: John Kemper

## Weather Headlines

- **Tuesday needs watched for increased rain/wind potential due to potential tropical disturbance. Timing/details will continue to be updated. (See Tropical Update Slides Below)**
- **Afternoon “feels like” temps will continue to sit 103-107F across the area.**
- **Rain chances steadily increasing through the early week.**



**Radar/NWS Alerts: 5:15 AM CT**



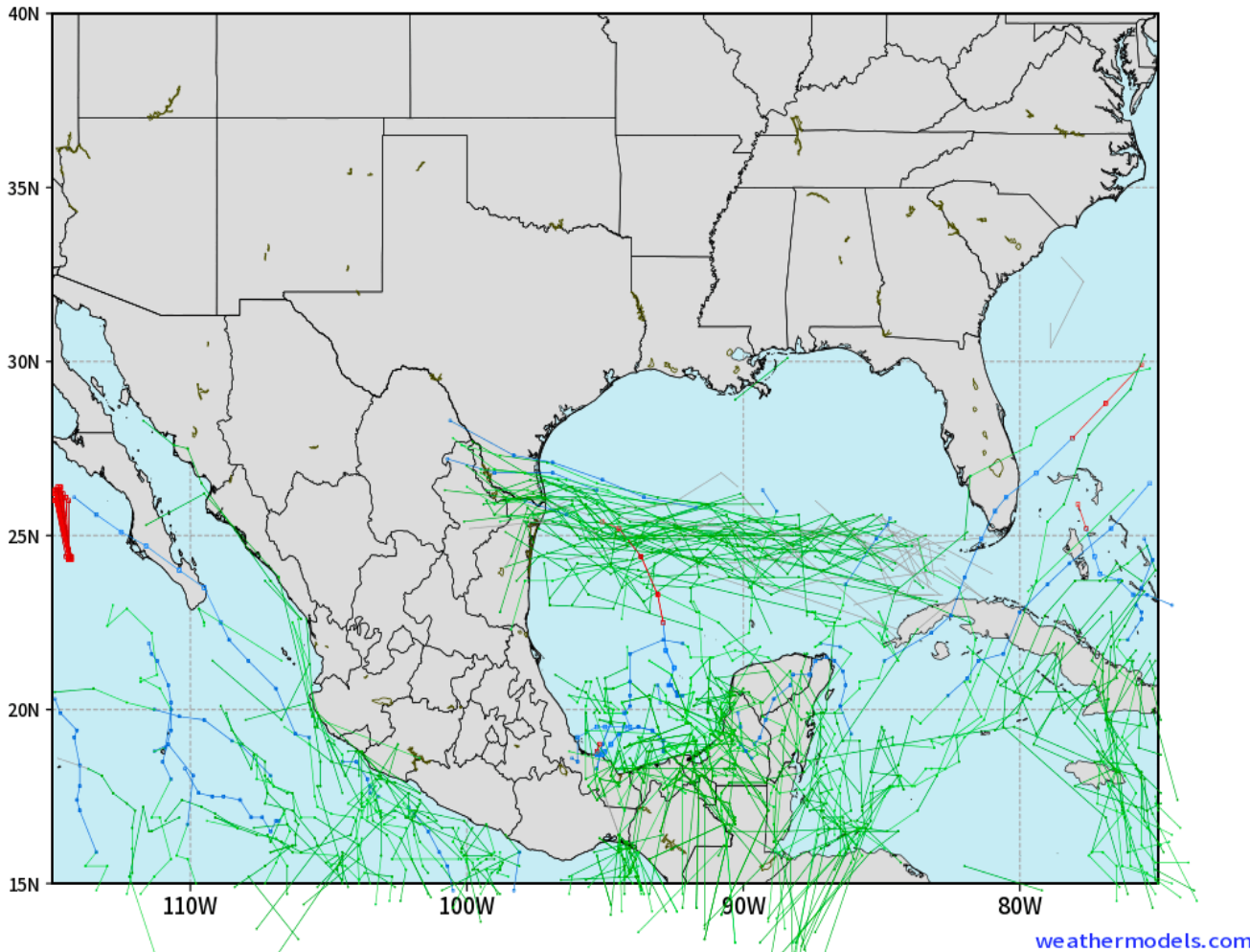
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Tropical Update

## European Low-Pressure Tracks Next 10-Days

ECMWF GULF EPS Cyclone Locations --> Next [10-days]  
INIT: 00Z20AUG2023 --> UNTIL 00Z30AUG2023

o-o ENSEMBLE MEAN  
o-o 1000 - 1010 hPa  
o-o 980 - 999 hPa  
o-o 960 - 979 hPa  
o-o 950 - 959 hPa  
o-o < 950 hPa



Anticipating an organized system associated with locally heavy rain / increasing winds pushing westward across the gulf, with impacts arriving Tuesday morning.

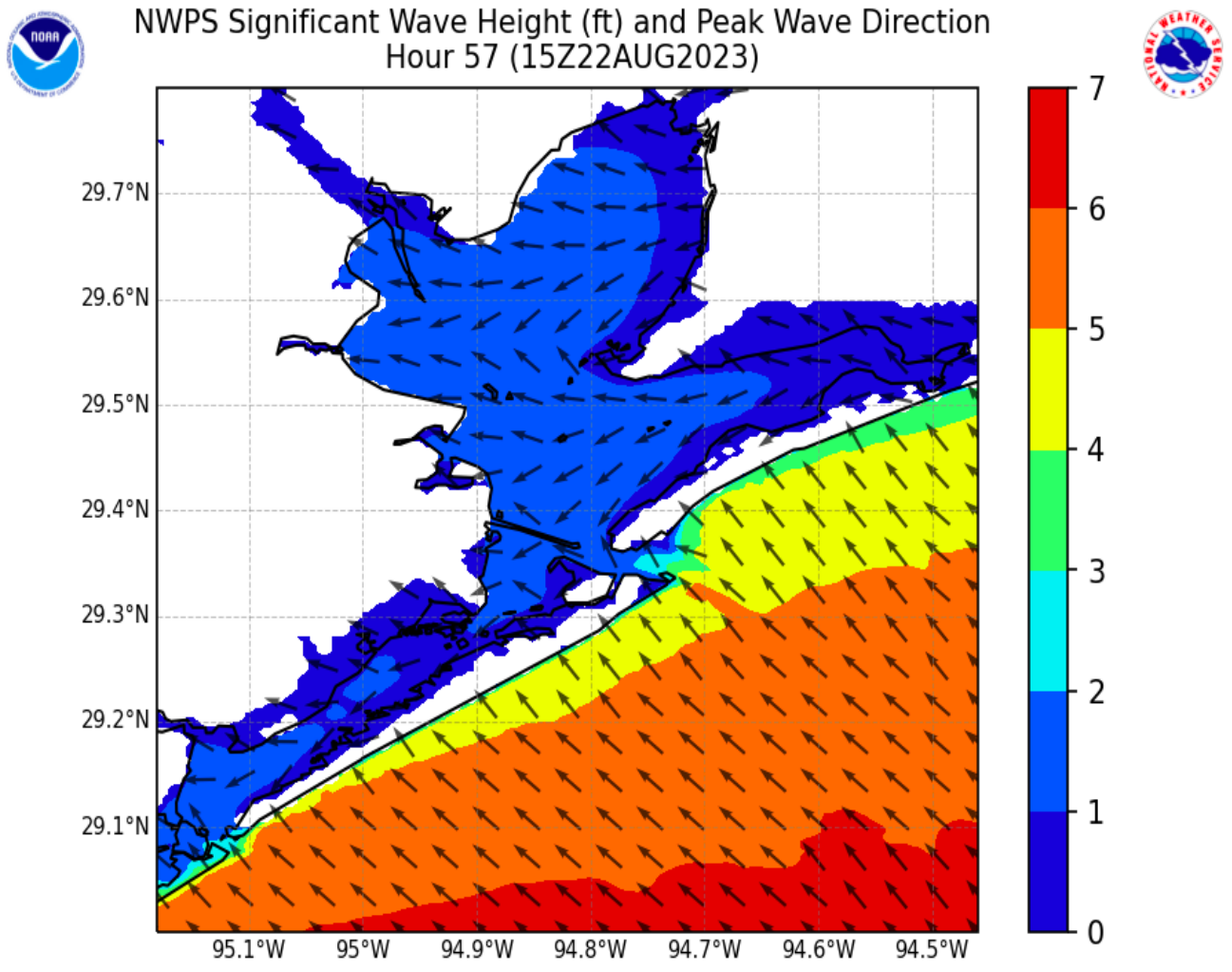
The bulk of this system and area of greatest impacts / landfall has trended further south since yesterday evening.

Right now, we are in favor of this system becoming a tropical depression, with 2/10 confidence it can strengthen into low-end tropical storm, and 9/10 confidence the system **DOES NOT** reach hurricane status.

Sustained winds are not favored to reach 30+kts, but we will need to closely watch wave height, due to storm swells associated with the "right" side of the system. At the present time, these are not favored to reach above 5' / reach port condition triggers for locations south of 25/26.

# Houston Pilots Tropical Update

## Significant Wave Heights at 11 AM CT TUE



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

The peak wave heights are anticipated to be late Tuesday AM / early Tuesday Afternoon.

# Houston Pilots Visibility Chart (miles)



## Forecast Confidence



Time	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	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	
610 Bridge	10	10	10	6	10	10	10	10	10	10	10	10	10	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	6	10	10	10	10	10	10	10	10	10	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	6	10	10	10	10	10	10	10	10	10	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	6	10	10	10	10	10	10	10	10	10	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	6	10	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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	6	8	10	10	10	10	10	10	10	10	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



Sustained wind 13 Knots  
Gusts 18 Knots  
Wind from the N

## Example

WS: 13  
G:18  
N

Time Knots	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	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
<b>610 Bridge</b>	4	4	3	3	4	5	5	4	4	4	5	6	6	7	8	9	9	8	8	6	5	5	4	4	3	2	1	1	3	4	6	7	8	10	10	10
WSW	WSW	W	WSW	W	W	WNW	NW	NW	NW	NNW	SSE	ESE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	S	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Kinder 1</b>	4	4	3	3	4	5	4	4	4	4	5	6	6	7	8	9	9	8	7	6	5	5	4	4	2	2	1	3	4	6	7	8	9	10	10	
WSW	WSW	W	WSW	W	W	WNW	NW	NW	NW	NW	SSE	ESE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	S	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Greens Bayou</b>	4	3	3	3	4	5	5	4	4	4	5	6	6	7	8	9	9	8	7	6	5	5	4	4	2	1	1	2	3	4	6	7	8	9	10	10
WSW	WSW	W	WSW	W	W	WNW	NW	NW	NW	NW	SSW	ESE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	SE	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Shell Crude</b>	4	3	3	3	4	5	5	4	4	4	5	6	6	7	8	9	9	8	7	6	5	5	4	4	2	1	1	2	3	4	6	7	8	9	10	10
WSW	WSW	W	W	W	W	WNW	NW	NW	NW	NW	SSE	ESE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	SE	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Lynchburg Ferries</b>	4	4	3	3	4	5	5	5	4	5	6	6	7	8	9	10	11	10	10	8	7	6	6	5	4	3	2	2	3	5	6	7	8	10	10	11
WSW	WSW	W	W	W	W	WNW	NW	NW	NW	NW	SSW	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSW	SW	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Exxon 3</b>	5	4	4	4	4	5	5	5	4	5	6	7	8	10	11	12	11	10	9	7	7	6	5	4	3	2	2	3	4	5	6	7	9	10	11	12
WSW	W	W	W	W	W	WNW	NW	NW	NW	W	SSW	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	SSW	NW	ESE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE		
<b>Morgans Point</b>	6	5	5	5	5	6	6	5	4	5	6	8	9	12	13	13	12	11	10	9	8	7	6	5	4	3	3	4	5	6	7	8	9	10	11	13
WSW	W	W	W	W	W	WNW	NW	NW	WSW	SSW	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	NW	WSW	N	NNE	NE	ENE	E	E	E	ESE	SE	SE	
<b>75/76</b>	7	6	6	6	7	7	8	8	7	7	8	10	12	14	16	17	16	15	13	12	11	10	9	8	6	4	4	5	7	8	8	9	9	12	15	16
WSW	W	W	W	W	W	WNW	NW	WSW	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	SSW	W	NNW	N	NNE	NE	ENE	ENE	E	E	E	SE	SE	
<b>63/64</b>	7	7	6	6	7	7	8	8	7	7	8	10	12	14	16	17	16	15	14	12	11	10	9	8	6	4	3	4	6	7	8	8	9	9	12	15
WSW	W	W	W	W	W	WNW	NW	WSW	SE	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	SSW	W	N	N	NNE	NE	ENE	ENE	ESE	ESE	SE	SE	SE	
<b>51/52</b>	7	6	6	6	7	7	8	8	7	7	8	10	12	14	16	16	15	13	12	11	10	8	7	5	3	3	4	5	7	8	8	9	10	13	16	
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<b>37/38</b>	6	6	5	5	6	7	7	7	6	6	7	10	12	14	14	15	13	12	11	11	10	9	8	6	5	3	2	3	5	7	8	9	11	13	14	
WSW	W	W	W	W	W	WNW	NW	WSW	ESE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	SSW	W	SE	NNE	NNE	NE	ENE	ENE	E	E	ESE	ESE	ESE	
<b>25/26</b>	6	5	5	5	6	6	6	5	4	5	8	9	11	11	11	11	10	9	8	8	7	6	4	2	2	3	4	6	8	9	9	11	12	13	13	
WSW	W	W	W	W	W	WNW	NW	WSW	SE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	S	SW	N	NNE	NNE	NNE	NE	ENE	E	ESE	
<b>11/12</b>	6	5	5	5	6	6	6	5	4	5	8	9	10	11	11	10	9	8	8	7	6	4	3	3	4	5	7	8	9	10	11	12	13	13	13	
WSW	WSW	W	W	W	W	WNW	NW	NW	NW	SSW	SSE	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNE	NNE	NNE	NE	ENE	E	E	E	
<b>1 &amp; 2 Bravo</b>	8	7	7	7	8	8	8	7	6	4	3	5	8	9	11	11	12	11	10	10	9	8	7	5	3	3	4	6	9	9	11	12	13	14	14	13
WSW	WSW	W	W	W	W	WNW	NW	NW	NW	SSW	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	E	NE	NNE	NNE	NE	ENE	ENE	E	E	E

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# Houston Pilots: Sun. 8/20/2023



## Forecast Discussion

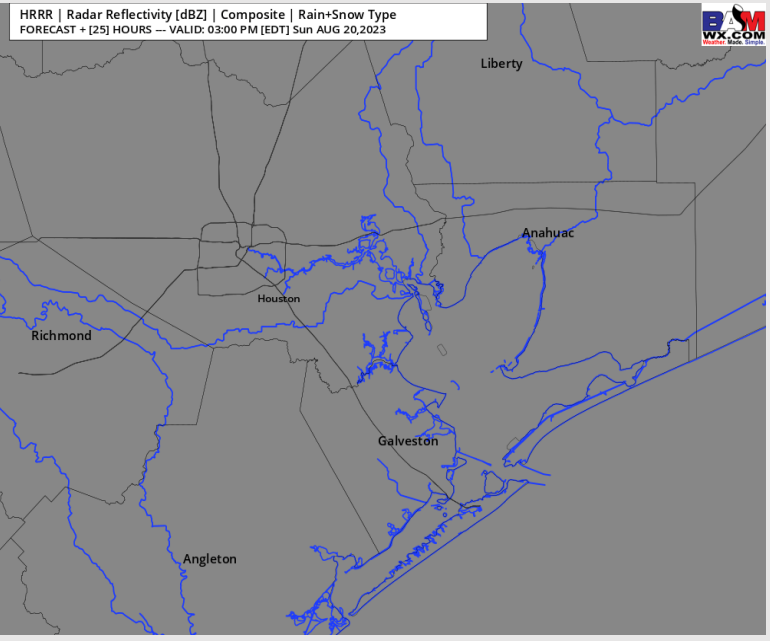
**Precip:** Dry weather is favored throughout the day.

**Wind:** Winds transition from out of the SW to NW throughout the morning before becoming variable by noon. After 3 PM, winds will be out of the S/SW the rest of the day. **N of Morgan's Point:** 3-8 kts until 5 PM, increasing to 7-12 kts for the remainder of the evening. **S of Morgan's Point:** 5-10 kts through 3 PM. After 3 PM, winds increase to 13-18 kts remainder of the day.

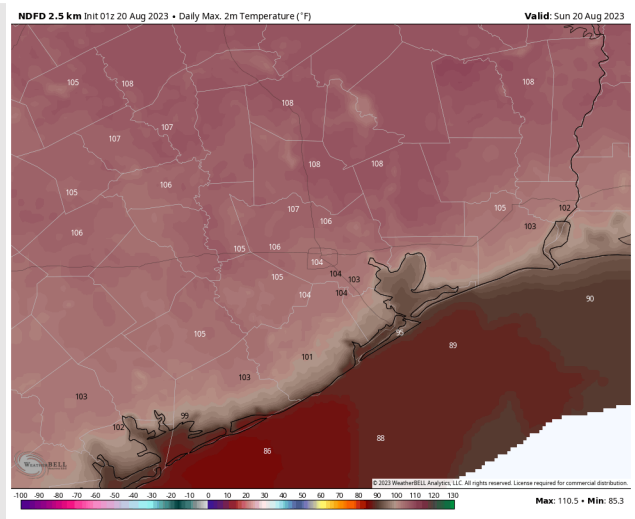
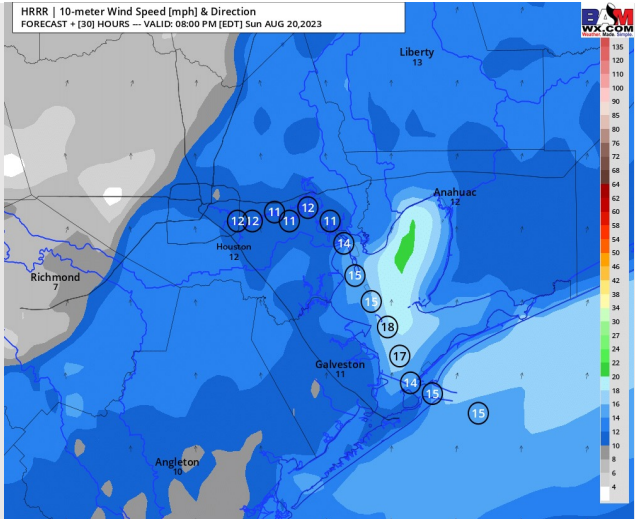
**High Temps:** **S of Morgan's Point:** Low/mid 90s F. **N of Morgan's Point:** Low/mid 100s F.

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

## Precip Image: 2 PM CT



Wind Speed:  
7 PM CT



High Temps  
Today

# Houston Pilots: Mon. 8/21/2023



## Forecast Discussion

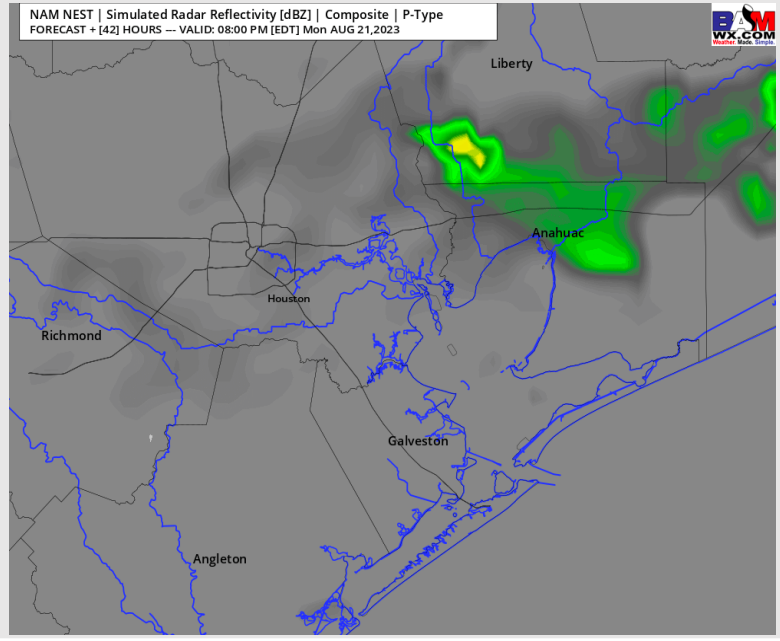
**Precip:** 30-40% chance for showers for all stations from 5PM through the evening hours.

**Wind:** Winds will start out of the SW before veering to being out of the E/SE for all stations by 12 PM. **N of Morgan's Point:** 2-7 kts through 12 PM, increasing to 8-13 kts for the remainder of the day. **S of Morgan's Point:** 2-7 kts through 12 PM, steadily increasing to 15-22 kts by 3 PM and remaining at that clip for the rest of the evening (**gusts 22-27 kts at the boarding station possible**). For additional details on tropical system, see tropical slide.

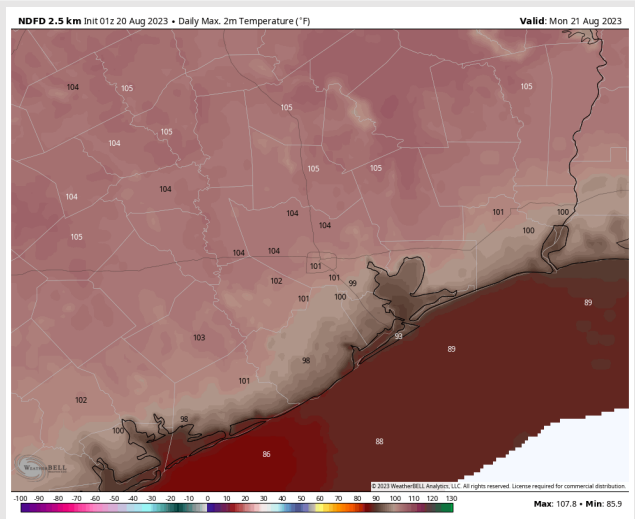
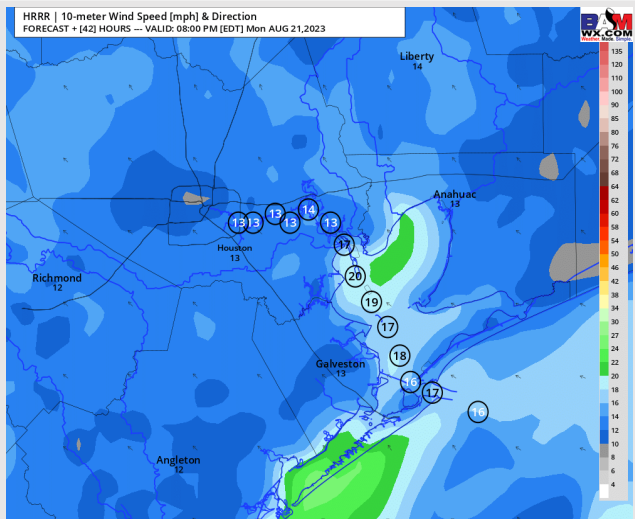
**High Temps:** **S of Morgan's Point:** Low/mid 90s. **N of Morgan's Point:** Upper 90s/low 100s F.

**Visibility:** No visibility issues.

## Precip Image: 7 PM CT



**Wind Speed:  
7 PM CT**



**High Temps  
Monday**

# Houston Pilots: Tue. 8/22/2023



## Forecast Discussion

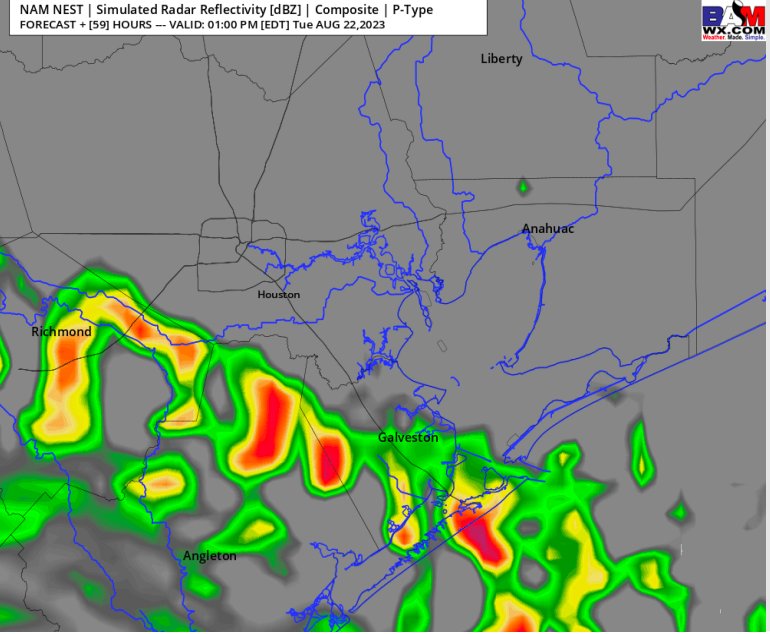
**Precip:** Several scattered bands of heavy rain/storms will be possible, beginning as early as 1AM-CT, with the greatest potential for storms for early afternoon. While system has continued to trend south, rain/storm risks will be favored especially for stations **S of Morgan's Point**.

**Wind:** Winds will be out of the E/SE throughout the entire day on TUE. **N of Morgan's Point:** 6-11kts through 12 PM, then increasing to 8-13kts the rest of the day. **S of Morgan's Point:** 17-22kts through 12 PM before decreasing to 15-20kts through 8 PM. After 8 PM, winds decrease again to 7-12 kts (**gusts 24-27kts at all stations until 7 PM**). For additional details on tropical system, see tropical slide.

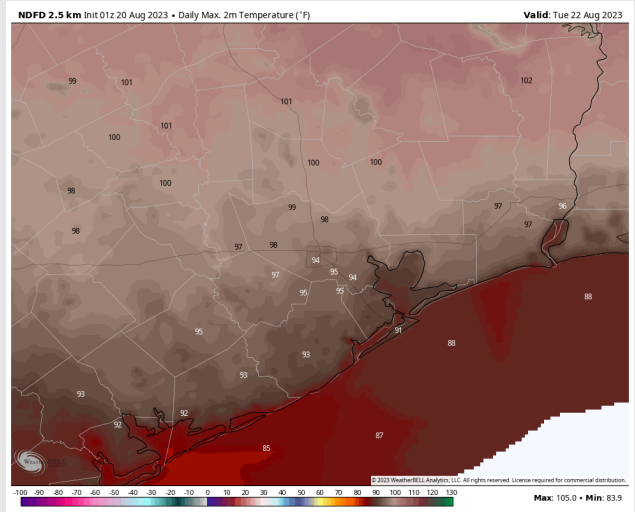
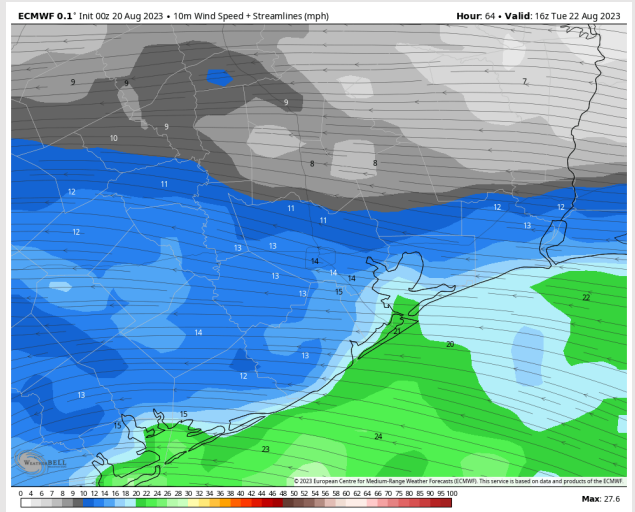
**High Temps:** **S of Morgan's Point:** Upper 80ss / Low 90s F. **N of Morgan's Point:** Mid 90s F.

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

## Precip Image: 12 PM CT



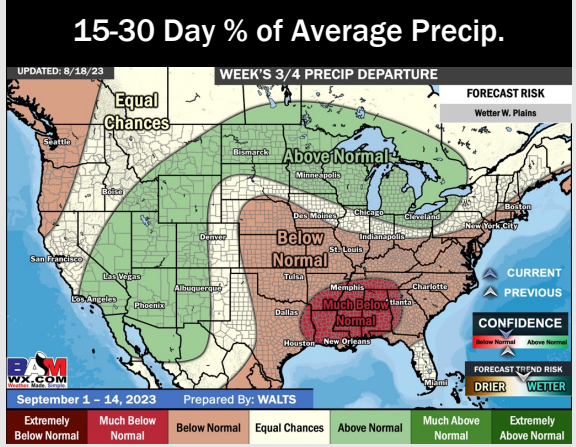
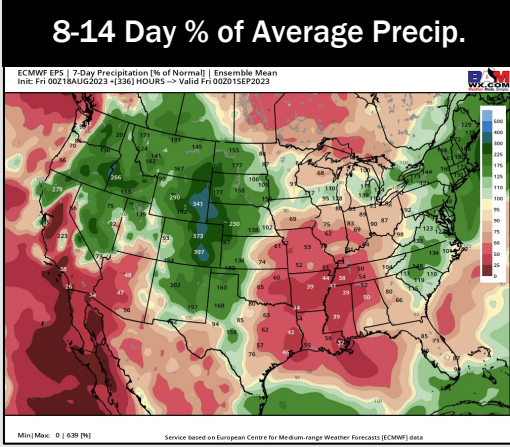
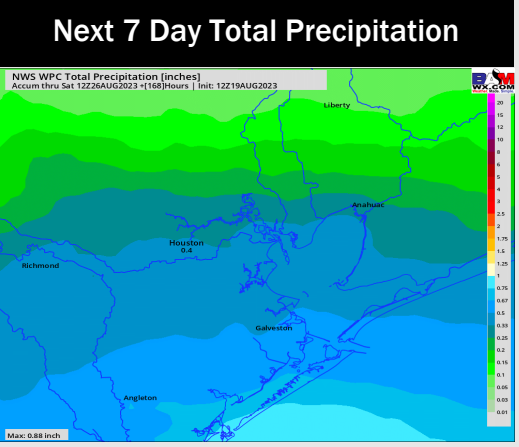
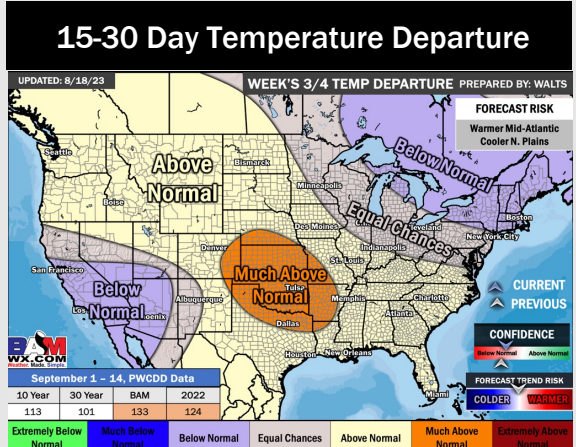
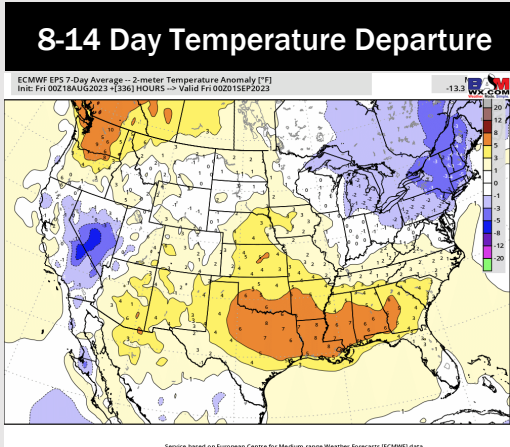
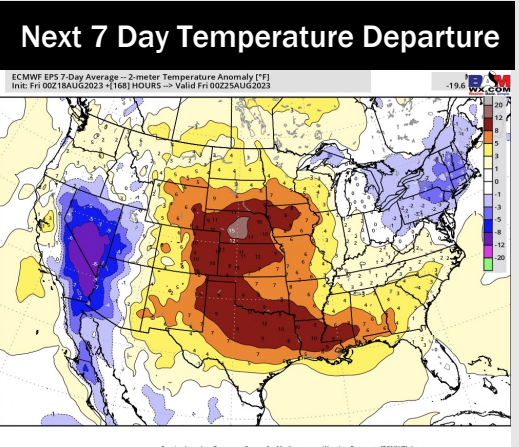
Wind Speed:  
11 AM CT



High Temps  
Tuesday



# Houston Pilots: 8/20/23



- Next Tuesday will be the “best” precip chance over the next several days with most of the next several days staying dry. Heavy rain looks to be possible with Tuesday’s wave of activity pending track of the system.
- 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.