# **Houston Pilots Forecast Package**

Updated: 5:30 PM CT

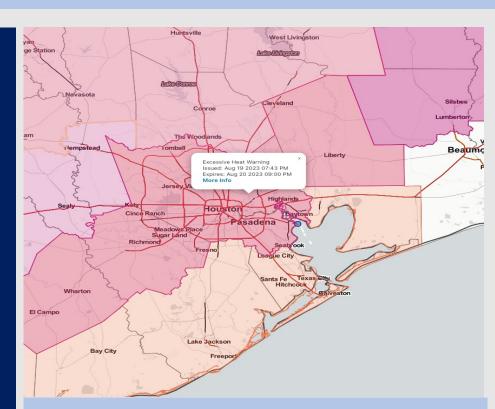
Sunday, August 20, 2023

**Forecaster: Jonathan Kipper** 



### 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 )
- Video Update
- Afternoon "feels like" temps will sit 103-108F across the area in the afternoon through this week.
- MON/TUE continue to be the main threats for precip with dry conditions favored mid/late this week.



Radar/NWS Alerts: 5:30 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 Tropical Update**





Port Condition	39 MPH 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	Yes	1 PM CT TUE
Yankee	N/A	N/A	N/A
Zulu	N/A	N/A	N/A

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 39+ MPH	No
X-Ray	48 hours prior to predicted sustained winds of 39+ MPH or 6' wave height	Yes
Yankee	24 hours prior to predicted sustained winds of 39+ MPH or 6' wave height	No
Zulu	12 hours prior to predicted sustained winds of 39+ MPH or 6' wave height	No

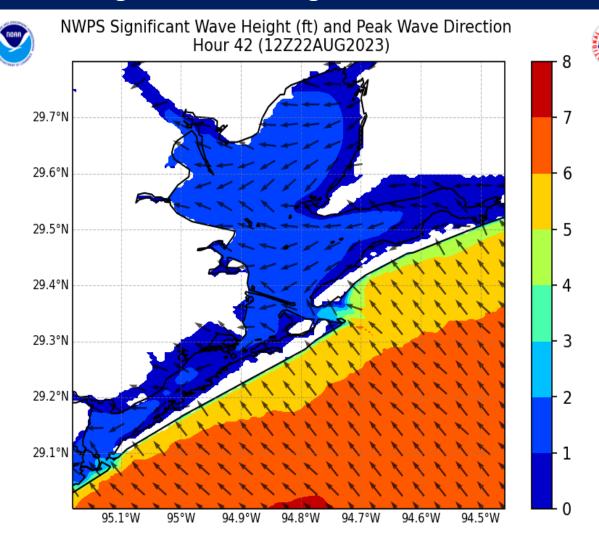
- Recent data has started to trend the 5-6' area for wave heights associated with TUE tropical storm further NW toward the HOU area. While there is lower confidence the 6'+ wave height threshold is met, data trends have made this a possibility we will need to continue to monitor.
- The timing most at risk to see these increased wave heights would be 4 AM to 1 PM TUE. The stations affected would be the Boarding Station and Station 11/12. ALL OTHER STATIONS WILL REMAIN WELL BELOW 6' THRESHOLD.
- 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 X-Ray Trigger could be lifted tonight/tomorrow morning. (If holds, Yankee would be hit at 4 AM CT MON and Zulu at 4 PM CT MON). The core of the tropical system still will track further toward TX/MX border.

# **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**

Above Normal



Below Normal

Time		Sun 5pm		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	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	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	9	9	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	9	9	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	9	9	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	9	9	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	9	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	9	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	9	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
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
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
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
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
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

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**







Sustained wind 13 Knots

Gusts 18 Knots

WS: 13

G:18

N

Time Knots	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	Mon 4pm	Mon 5pm	Mon 6pm	Mon 7pm	Mon 8pm	Mon 9pm	Mon 10pm	Mon 11pm	Tue 12am	Tue 1am	Tue 2am	Tue 3am
610 Bridge	6 9 E	7 10 ESE	7 10 SE	8 12 SSE	8 13 S	8 12 S	7 11 S	6 9 S	4 7 S	5 7 S	4 7 S	4 6 S	3 5 S	2 2 E	0 1 NE	1 1 NNE	3 4 NE	4 6 NE	6 8 ENE	7 11 ENE	9 13 E	10 15 E	11 16 E	10 16 ESE	11 17 ESE	12 18 ESE	12 19 ESE	12 19 ESE	12 18 ESE	11 17 ESE	11 17 E	10 15 E	9 14 E	10 16 E	9 14 E	8 12 E
Kinder 1	6 9	7 10 ESE	7 10 SSE	8 12 SSE	9 13 S	8 12	7 10	6 9	4 7	5 7	4 7	4 6	3 5	1 2	0 1	1 1 NNE	3 5 NE	4 6	6 8 ENE	7 11 ENE	9 13	10 15	11 16	10 16 ESE	11 17 ESE	12 18 ESE	12 18 ESE	12 18 ESE	12 18 ESE	11 17 ESE	11 17	10 15	9	10 15	9 13	8 12
Greens Bayou	6 9 ESE	7 10 ESE	7 11 SSE	9 12 SSE	9	8 12	7 10	6 9	5 7	5 7	4	3	3 4	1 2	0 1	1 1 NNE	3 5	5	6 8 ENE	7 11 ENE	9	10 15	10 16	11 15 ESE	11 17 SE	12 17 ESE	12 18 SF	12 18 ESF	11 17 ESE	11 16 ESE	11 16	9 15	9	10 15	8	7 11
Shell Crude	6 9 ESE	7 10 SE	8 11 SSE	9 13 S	9	8 12	7 10	6 9	5	5 7	4	3 5	2 4	1 2 NE	0 1	1 2	3 5	5 6	6 9 ENE	7 11	9	10 15	10 15 ESE	11 15 ESE	11 16 SE	12 18 ESE	12 18 SE	12 18 ESE	12 18 ESE	11 16 ESE	11 17	10 15	9	10 15	9	8 12
Lynchburg Ferries	6 10 ESE	7 11 SE	9 12 SSE	10 14 S	10 14	9	7	6 9	6	5	5 7	4	3 4	1 2	1 1	2 2	3 5	5 7	6 9 ENE	8 11	9	10 14	11 15 ESE	12 16 ESE	12 16 SE	13 18 SF	13 18 SF	13 18 ESE	12 17 ESE	11 16 ESE	11 16	10 14	9	10 14	9	8 11
Exxon 3	7 10 SE	8 11 SSE	10 13 SSE	11 15 S	10 14 S	9 13 S	8	7 9	6	6	5 7	5	3 4	2	2	3	4	5 7	7 9 ENE	8 11	9	10 14	11 16 ESE	13 16 SE	13 16 SE	14 18 SE	14 18 SE	13 18 ESE	13 17 ESE	12 16	12 16	10 14	10 14	10 14	10 13	9
Morgans Point	8 12	10 13	12 14	12 16	12 15	11 13	9 11	8 10	7 9	7 9	6	5 7	4 5	3 4	3	4	5 6	6 8	8	8 11	10 12 F	10 14	12 16	14 17	14 18	16 19 SF	15 19	15 19 ESE	14 18	14 17	13 17	12 15 F	12 16	12 16	12 15	12 14
75/76	10 13	13 14	14 16	14 16	13 15	12 14	10 11	9	9	8	8 9	6 7	4 5	3 4	4	5 5	7 8	8 9	9 10	9	10 13	11 14	14 17	15 18	16 20	17 20	17 20	17 20	17 19	17 19	16 18	15 18	16 18	16 18	16 18	16 18
63/64	10 13	13 14	S 14 16	S 14 16	S 13 15	S 11 13	10 11	9 11	9 10	9 10	8 9	6 7	4	3 4	WSW 3 4	5 6	8 8	9 9	9 10	9 12	10 13	12 15	14 17	SE 15 19	SE 16 20	16 20	18 20	18 20	18 20	17 19	17 19	17 18	18 20	18 20	18 19	18 19
51/52	10 13	13 14	14 15	14 16	13 14	11 12	10 11	9 10	9 10	8 9	5 7 8	6 6	\$ 3 4	3 3	SSW 3	5 6	7 8	8 9	9 10	9 12	11 14	12 15	14 17	15 18	16 19	16 19	18 20	18 20	17 19	17 19	17 19	16 18	18 20	18 20	17 19	18 19
37/38	10 12 S	S 12 13 S	13 14	S 13 14 S	S 12 13 S	10 11	9	9	8 9	8 9	7 8 SSE	5	3 4	2 3 S	3	5 5	7 8	8 9	9 11	11 12 ENE	13 14	14 16	15 17	15 18 ESE	15 19 ESE	15 19 ESE	17 20 ESE	17 19	17 19	17 19	17 19	17 19	18 20	18 20 ESE	18 19	18 20
25/26	10 11 S	11 12 S	11 13	11 13	10 12	8 10	7 9	7 9	7 9	7 8 SSE	6 7 SSE	4 5 SSE	2 4	2 3 ESE	3 3 NNE	4 5	7 7 NNE	8 9	9 11	11 12	13 14	13 16	14 17	14 17	14 18	14 19	15 20	15 19	15 19	15 18	16 19	16 19	17 20	17 19 FSF	16 19	16 19
11/12	10 11 S	10 12 S	10 12 S	10 12 S	9 12 5	8 10 5	8 9	8 9 8	8 9 SSE	7 9 SSE	7 8 SSE	5 6 88F	3 4 SSE	2 3 F	3 4 NNF	5 5 NF	7 8 NF	8 10 NF	9 11 NF	11 13 ENE	13 14 ENE	13 15	14 16	14 17	14 18 FSF	14 19 ESE	15 20	15 19	15 19	15 19	16 20	16 19	17 20 F	17 19 ESF	17 19	17 19
1 & 2 Bravo	10 11 S	11 12 S	11 12 S	11 12 S	11 12 S	9 10 S	9 10 S	9 10 SSE	9 10 SSE	9 9 SSE	7 8 SSE	6 6 SSE	3 4 SSE	3 4 ENE	5 5 NE	7 7 NE	9 9 NE	10 11 NE	12 13 NE	14 15 ENE	15 16 ENE	15 17 E	15 16 E	15 17 E	16 18 E	16 19 E	18 21 E	18 20 E	18 20 E	19 20 E	20 21 E	20 21 E	21 23 E	21 22 E	21 22 E	20 22 ESE

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## Houston Pilots: Sun. 8/20/2023





### **Forecast Discussion**

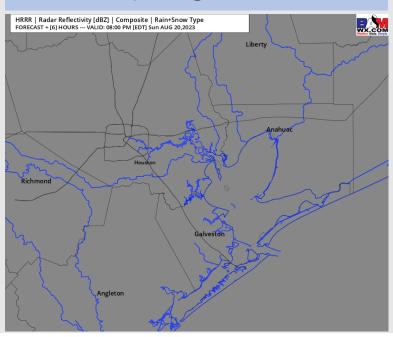
**Precip:** Dry weather is favored throughout the rest of the day.

Wind: Winds will continue out of the S/SW the rest of the day. N of Morgan's Point: 3-8 kts until 4 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.

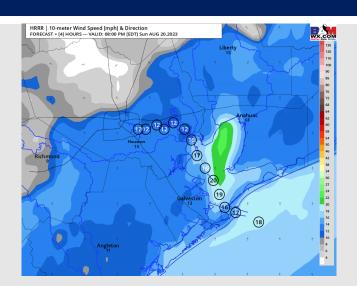
Low Temps: S of Morgan's Point: Mid 80s F. N of Morgan's Point: Low 80s F.

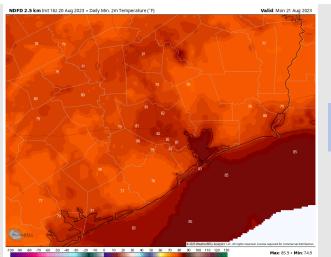
Visibility: Not anticipating any visibility concerns.

#### Precip Image: 7 PM CT



Wind Speed: 7 PM CT





Low Temps Monday

# Houston Pilots: Mon. 8/21/2023





### **Forecast Discussion**

Precip: 30-40% chance for showers for all stations from 2PM 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 1 PM. N of Morgan's Point: 2-7 kts through 1 PM, increasing to 8-13 kts for the remainder of the day. S of Morgan's Point: 8-13 kts through 4 AM before decreasing to 2-7 kts through 12 PM. Winds then steadily increasing to 15-22 kts by 4 PM and remaining at that clip for the rest of the evening (gusts 22-27 kts S of Morgan's Point after 7 PM 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.

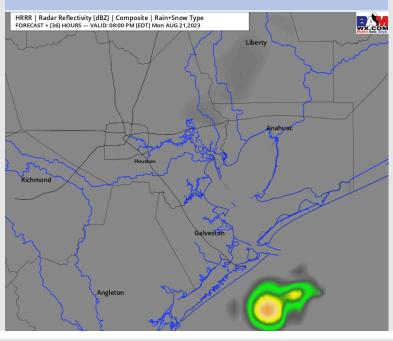
Visibility: No visibility issues.

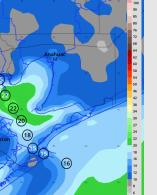
Wind Speed:

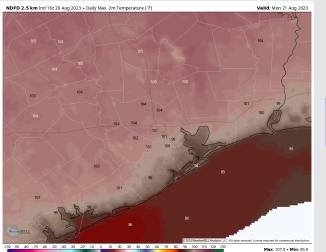
8 PM CT

HRRR | 10-meter Wind Speed [mph] & Direction

#### Precip Image: 7 PM CT







**High Temps** Monday

# Houston Pilots: Tue. 8/22/2023





### **Forecast Discussion**

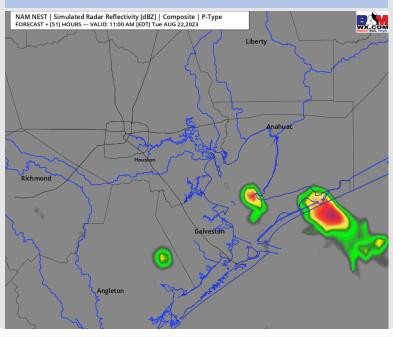
Precip: Several scattered bands of heavy rain/storms will be possible, beginning as early as 4AM-CT, with the greatest potential for storms for late morning/early afternoon. While system has continued to trend south, rain/storm risks will be favored especially for stations S of Morgan's Point.

Wind: Winds will be out of the E/SE throughout the entire day on TUE. N of Morgan's Point: 7-12 kts through 12 PM, then increasing to 12-17kts through 8 PM. After 8 PM, winds decrease to 6-11 kts 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 8-13 kts (gusts 25-30 kts at all stations until 6 PM). For additional details on tropical system, see tropical slide.

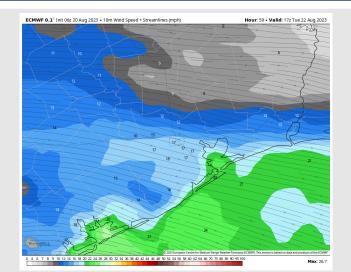
High Temps: S of Morgan's Point: Upper 80s / Low 90s F. N of Morgan's Point: Mid 90s F.

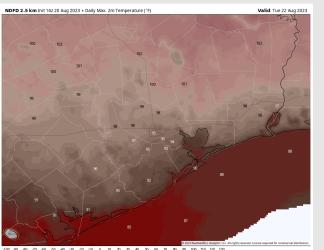
Visibility: Brief Periods of reduced visibility near the Boarding Station associated with heaviest downpours.

#### Precip Image: 12 PM CT



Wind Speed: 12 PM CT



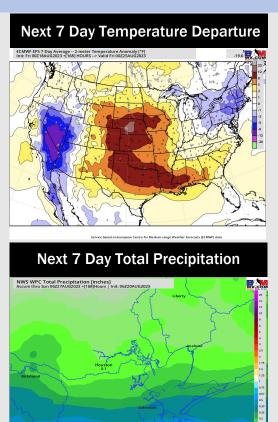


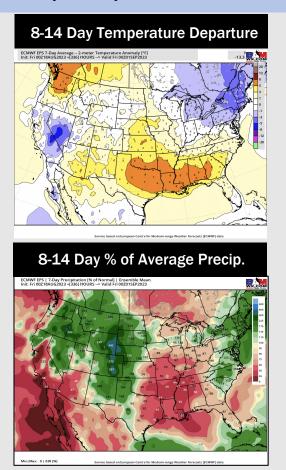
High Temps Tuesday

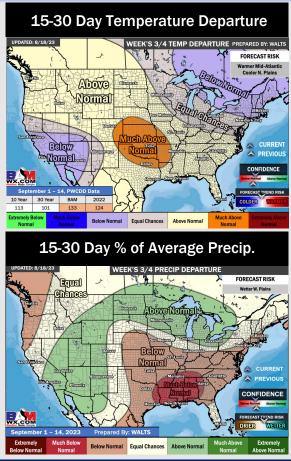
## **Houston Pilots: 8/20/23**











- 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, with better chances S of Morgan's Point.
- 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.