

# Houston Pilots Forecast Package



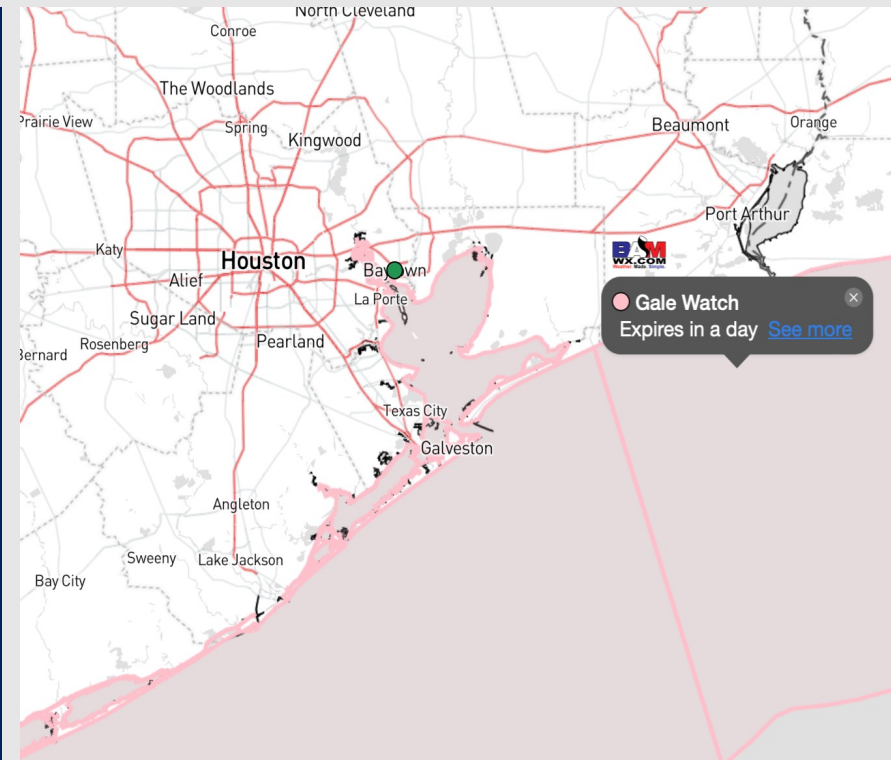
Updated: 1:10 AM CT

Saturday, December 9, 2023

Forecaster: Tyler Riggles

## Weather Headlines

- Strong storms chances arrive this evening as a cold front pushes southeast. Wind gusts upwards of 35-45 kts in play this evening. **Check the Day 1 slide below for more details.**
- Monitor patchy fog development within the bay this morning ahead of the front. Fog risks for Stations expected to end near 5 AM as better fog potential slides E.
- Drier pattern ahead after front-associated rains move out late this evening.



Radar/NWS Alerts: 1:05 AM CT

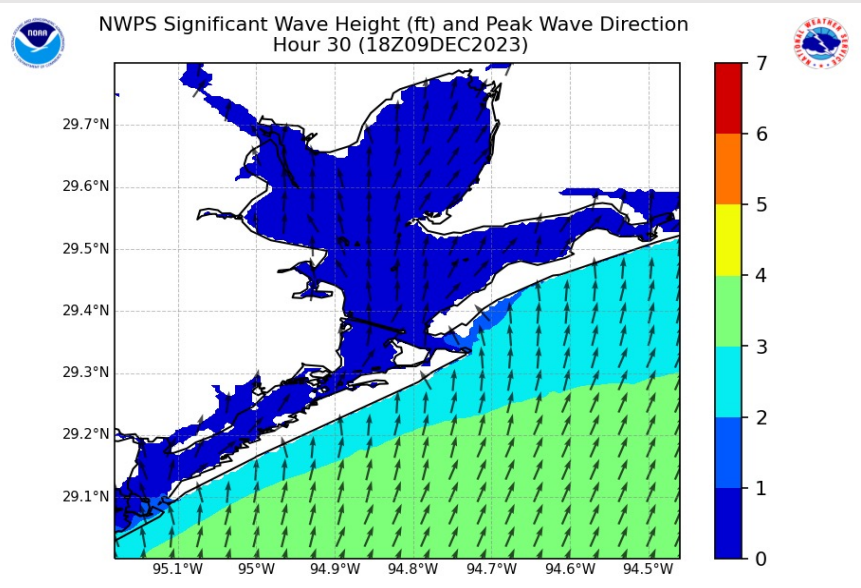


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Wave Height Update

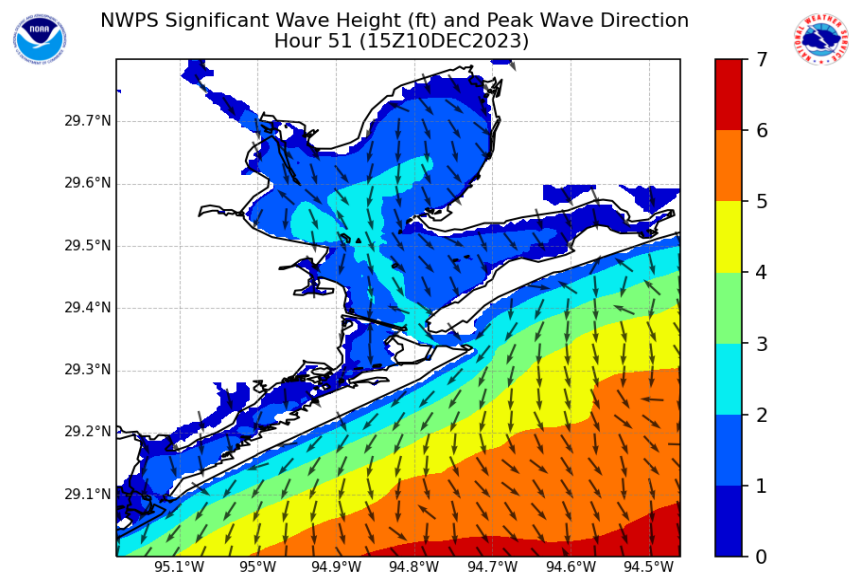


## Significant Wave Height Image



12 PM CST  
Saturday

The top image shows wave heights around 12 PM Saturday. Wave heights for almost all stations around 1 ft. Near stations 11/12 and the Boarding Station, waves may increase to 2-3 ft.



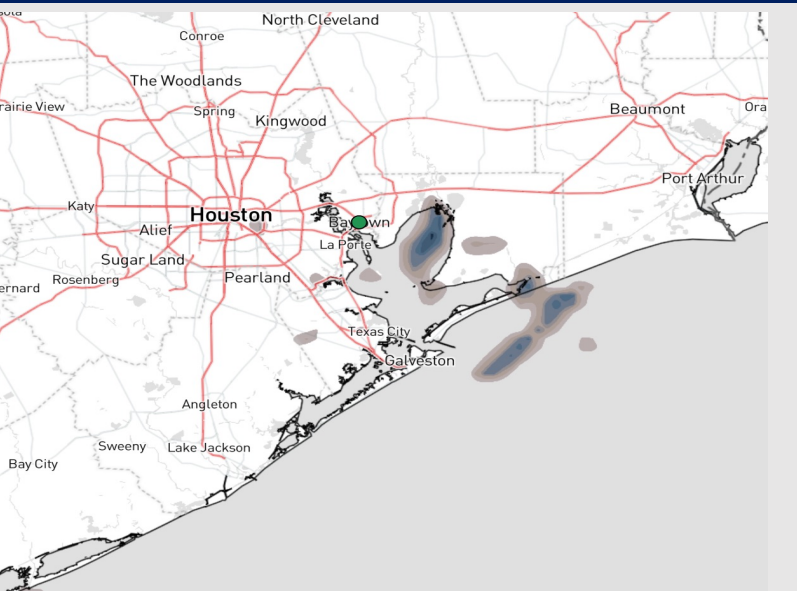
9 AM CST Sunday

Moving into the overnight Saturday into Sunday AM, wave heights would risk to 2-3 ft for station 51/52 to station 11/12. The Boarding Station may be at risk for waves nearing 3-4 ft.

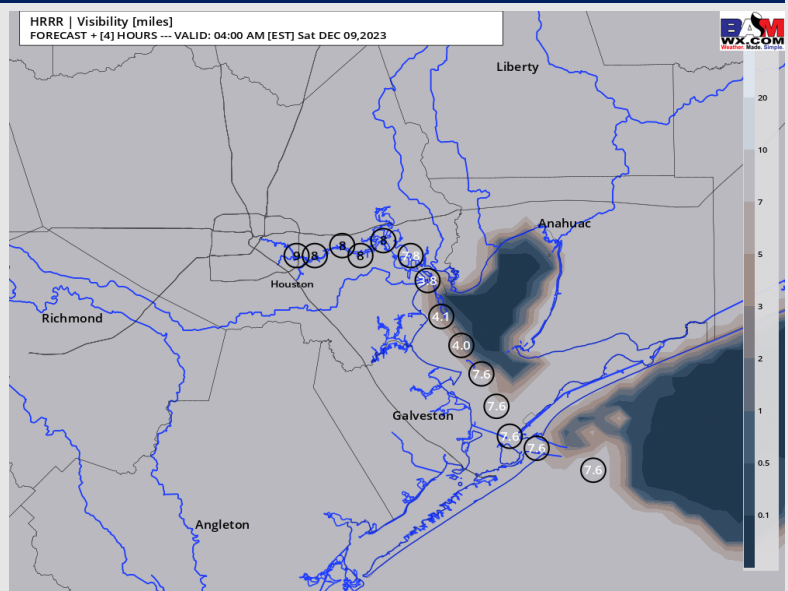
# Houston Pilots Visibility Report



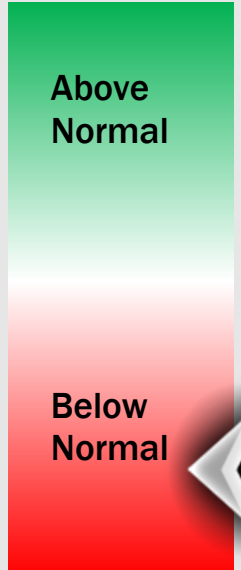
## VISIBILITY AS OF 12:30 AM-CT



## 3 AM-CT VISIBILITY



## Confidence



TIMEFRAME DISCUSSED	THREAT
1 AM – 5 AM SAT	Low

- Continuing to monitor low-end potential for patchy fog development in the Bay through the early morning out ahead of the cold front, as winds will be out of the SE prior.
- The greatest risk for this fog development and visibility of 2-4 miles is favored to occur between 1 AM – 4 AM-CT where patchy coverage would set up for stations between Morgan’s Point and the Boarding Station. Isolated instances of 1 mile or less.
- Fog development would begin in the interior portion of the bay near Morgan’s Point with coverage gradually creeping toward Station 11/12 by 3 AM-CT. The Boarding Station will see patchy fog risks as early as 1 AM, expected to taper by 4 AM for this Station.
- Favoring fog risk for Stations to end after 5 AM-CT today as fog risks slide E. Additional patchy fog risks possible to the E of Stations through 12 PM.

# Houston Pilots Extended Range Visibility Report



## Tuesday 12/12/23

No fog concerns Tuesday.



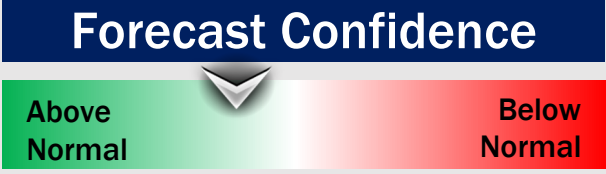
## Thursday 12/13/23

No fog concerns Thursday.



## Wednesday 12/13/23

No fog concerns Wednesday.



## Chance for Fog

Tuesday AM	Unlikely
Tuesday PM	Unlikely
Wednesday AM	Unlikely
Wednesday PM	Unlikely
Thursday AM	Unlikely
Thursday PM	Unlikely

# Houston Pilots Visibility Chart (miles)



## Forecast Confidence



Time	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am						
610 Bridge	10	10	10	10	10	7	6	6	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		
Kinder 1	10	10	10	10	10	7	6	6	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	
Greens Bayou	10	10	10	10	10	7	6	6	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	
Shell Crude	10	10	10	10	10	7	6	6	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	10	10	7	6	6	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	10	10	7	6	6	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
Morgans Point	10	10	10	10	8	6	6	6	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
75/76	10	10	10	10	8	8	6	5	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
63/64	10	10	10	10	8	8	6	5	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
51/52	10	10	9	8	8	8	6	6	5	10	10	10	10	10	10	10	10	10	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	8	8	8	9	6	6	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
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1 & 2 Bravo	10	8	7	8	10	10	7	6	6	10	10	10	10	10	10	10	9	8	8	8	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	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am			
610 Bridge	7 SSW	6 SSW	6 SSW	6 SSW	6 SSW	6 SSW	6 SSW	6 SSW	6 SSW	7 SSW	7 SSW	6 SSW	6 SSW	5 SSW	4 SSW	7 SSW	8 SSW	8 SSW	10 SSW	12 SSW	16 SSW	18 SSW	14 SSW	15 SSW	17 SSW	17 SSW	17 SSW	17 SSW	17 SSW	16 SSW	16 SSW	16 SSW	14 SSW	13 SSW	13 SSW	12 SSW	12 SSW		
Kinder 1	6 SSW	5 SSW	6 SSW	6 SSW	6 SSW	6 SSW	6 SSW	5 SSW	6 SSW	7 SSW	7 SSW	6 SSW	5 SSW	5 SSW	5 SSW	7 SSW	7 SSW	8 SSW	10 SSW	12 SSW	15 SSW	18 SSW	20 SSW	23 SSW	24 SSW	25 SSW	25 SSW	26 SSW	26 SSW	25 SSW	24 SSW	23 SSW	23 SSW	22 SSW	20 SSW	19 SSW	18 SSW	18 SSW	
Greens Bayou	6 SSW	5 SSW	6 SSW	6 SSW	6 SSW	6 SSW	5 SSW	5 SSW	6 SSW	8 SSW	7 SSW	7 SSW	6 SSW	5 SSW	7 SSW	7 SSW	8 SSW	10 SSW	12 SSW	15 SSW	18 SSW	21 SSW	23 SSW	24 SSW	25 SSW	26 SSW	26 SSW	25 SSW	24 SSW	23 SSW	22 SSW	21 SSW	19 SSW	19 SSW	18 SSW	17 SSW	17 SSW		
Shell Crude	6 S	5 SSW	5 SSW	6 SSW	6 SSW	5 SSW	5 SSW	5 SSW	6 SSW	8 SSW	7 SSW	6 SSW	5 SSW	6 SSW	5 SSW	7 SSW	7 SSW	8 SSW	10 SSW	12 SSW	15 SSW	18 SSW	20 SSW	23 SSW	24 SSW	25 SSW	25 SSW	26 SSW	25 SSW	24 SSW	23 SSW	22 SSW	20 SSW	19 SSW	19 SSW	18 SSW	17 SSW		
Lynchburg Ferries	6 S	4 SSW	5 SSW	5 SSW	5 SSW	5 SSW	5 SSW	4 SSW	6 SSW	8 SSW	7 SSW	6 SSW	5 SSW	6 SSW	5 SSW	7 SSW	7 SSW	8 SSW	10 SSW	12 SSW	14 SSW	17 SSW	20 SSW	23 SSW	24 SSW	25 SSW	25 SSW	24 SSW	23 SSW	22 SSW	21 SSW	20 SSW	19 SSW	19 SSW	18 SSW	17 SSW	17 SSW		
Exxon 3	6 S	5 S	4 SSW	5 SSW	4 SSW	4 SSW	5 SSW	4 SSW	5 SSW	8 SSW	7 SSW	5 SSW	5 SSW	6 SSW	4 SSW	7 SSW	7 SSW	8 SSW	9 SSW	12 SSW	13 SSW	15 SSW	15 SSW	16 SSW	17 SSW	17 SSW	17 SSW	17 SSW	16 SSW	16 SSW	15 SSW	14 SSW	13 SSW	13 SSW	12 SSW	12 SSW	12 SSW		
Morgans Point	6 S	6 S	5 S	6 SSW	5 SSW	4 SSW	5 SSW	4 SSW	5 SSW	7 SSW	7 SSW	5 SSW	4 SSW	5 SSW	4 SSW	7 SSW	8 SSW	8 SSW	11 SSW	12 SSW	16 SSW	18 SSW	21 SSW	21 SSW	24 SSW	23 SSW	24 SSW	25 SSW	24 SSW	24 SSW	23 SSW	22 SSW	21 SSW	20 SSW	20 SSW	18 SSW	18 SSW		
75/76	6 S	7 S	7 S	7 SSW	6 SSW	5 SSW	5 SSW	4 SSW	6 SSW	7 SSW	7 SSW	6 SSW	4 SSW	5 SSW	3 SSW	8 SSW	8 SSW	9 SSW	10 SSW	13 SSW	15 SSW	16 SSW	17 SSW	19 SSW	20 SSW	21 SSW	22 SSW	22 SSW	22 SSW	21 SSW	20 SSW	18 SSW	18 SSW	18 SSW	16 SSW	15 SSW	15 SSW		
63/64	6 S	7 S	7 S	7 SSW	7 SSW	5 SSW	5 SSW	5 SSW	6 SSW	7 SSW	8 SSW	6 SSW	5 SSW	5 SSW	3 SSW	8 SSW	8 SSW	9 SSW	10 SSW	14 SSW	17 SSW	19 SSW	21 SSW	22 SSW	23 SSW	25 SSW	25 SSW	26 SSW	28 SSW	27 SSW	25 SSW	24 SSW	24 SSW	23 SSW	22 SSW	20 SSW	20 SSW	19 SSW	19 SSW
51/52	5 S	7 S	6 S	7 SSW	8 SSW	5 SSW	5 SSW	5 SSW	5 SSW	7 SSW	8 SSW	7 SSW	6 SSW	5 SSW	6 SSW	8 SSW	8 SSW	8 SSW	10 SSW	14 SSW	17 SSW	19 SSW	21 SSW	22 SSW	24 SSW	25 SSW	25 SSW	26 SSW	28 SSW	28 SSW	29 SSW	28 SSW	27 SSW	25 SSW	24 SSW	21 SSW	18 SSW	17 SSW	
37/38	6 SSW	8 SSW	7 SSW	7 SSW	8 SSW	6 SSW	5 SSW	5 SSW	5 SSW	7 SSW	8 SSW	7 SSW	6 SSW	5 SSW	5 SSW	8 SSW	8 SSW	8 SSW	9 SSW	10 SSW	15 SSW	17 SSW	19 SSW	22 SSW	23 SSW	25 SSW	26 SSW	27 SSW	28 SSW	29 SSW	29 SSW	29 SSW	29 SSW	28 SSW	26 SSW	25 SSW	21 SSW	20 SSW	
25/26	7 S	7 SSW	7 SSW	7 SSW	7 SSW	5 SSW	5 SSW	5 SSW	5 SSW	7 SSW	8 SSW	7 SSW	6 SSW	5 SSW	6 SSW	8 SSW	8 SSW	7 SSW	8 SSW	10 SSW	14 SSW	21 SSW	23 SSW	27 SSW	26 SSW	28 SSW	29 SSW	29 SSW	29 SSW	29 SSW	29 SSW	28 SSW	27 SSW	26 SSW	22 SSW	22 SSW	20 SSW	20 SSW	
11/12	15 S	14 S	13 SSW	12 SSW	12 SSW	12 SSW	12 SSW	12 SSW	12 SSW	11 SSW	11 SSW	12 SSW	11 SSW	9 SSW	7 SSW	8 SSW	10 SSW	9 SSW	8 SSW	10 SSW	14 SSW	21 SSW	24 SSW	27 SSW	26 SSW	27 SSW	29 SSW	29 SSW	29 SSW	29 SSW	28 SSW	27 SSW	26 SSW	22 SSW	21 SSW	18 SSW	17 SSW	17 SSW	
1 & 2 Bravo	9 S	8 S	7 SSW	7 SSW	7 SSW	6 SSW	6 SSW	7 SSW	7 SSW	9 SSW	8 SSW	7 SSW	5 SSW	4 SSW	6 SSW	8 SSW	9 SSW	8 SSW	9 SSW	10 SSW	13 SSW	17 SSW	20 SSW	22 SSW	24 SSW	26 SSW	27 SSW	28 SSW	28 SSW	31 SSW	30 SSW	30 SSW	28 SSW	27 SSW	26 SSW	25 SSW	22 SSW	19 SSW	

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# Houston Pilots: Sat. 12/09/2023



## Forecast Discussion

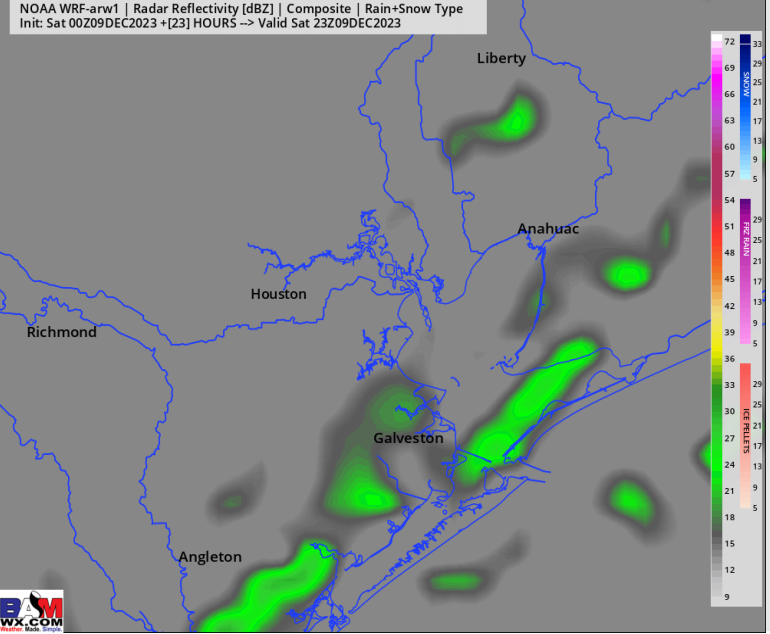
**Precip:** Hit/miss shower chances (20-30%) will be in play through 7 AM. A lull in precip will follow until 12 PM, when more widespread (60-70%) chances for showers and storms (some strong with potential for gusty winds) move in from the NW and remain for the rest of the day.

**Wind:** Winds out of the S/WSW through 5 PM, veering out of the NW after this time as the main front arrives. **N of Morgan's Point:** Sustained at 5 - 10 kts prior to 7 PM, then 9 - 14 kts for the remainder of the evening as the front arrives. **S of Morgan's Point:** 10-15 kts through 4 AM, decreasing to 8-13 kts at this time and remaining at this speed through 8 PM. After 8 PM, winds steadily increase to 20-25 kts by 12 AM. **Gusts through the AM until noon will be around 25-30 kts. Then 35-45 kts will be possible as we get beyond 7 PM through the rest of the evening.**

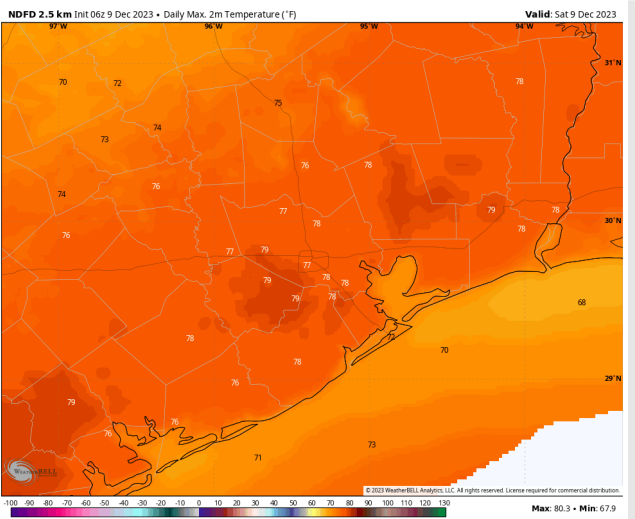
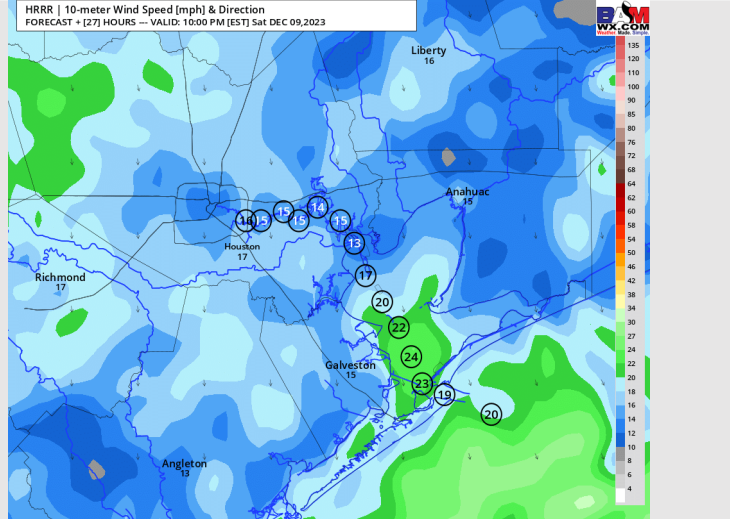
**High Temps:** **N of Morgan's Point:** Upper 70 F. **S of Morgan's Point:** Low 70s F.

**Visibility:** Watching the early AM for a potential patchy fog development within the Bay associated with the front. Risk would last until ~5 AM. **More details on visibility slide.**

## Precip Image: 5 PM CT



Wind Speed:  
9 PM CT



High Temps  
Saturday

# Houston Pilots: Sun. 12/10/2023



## Forecast Discussion

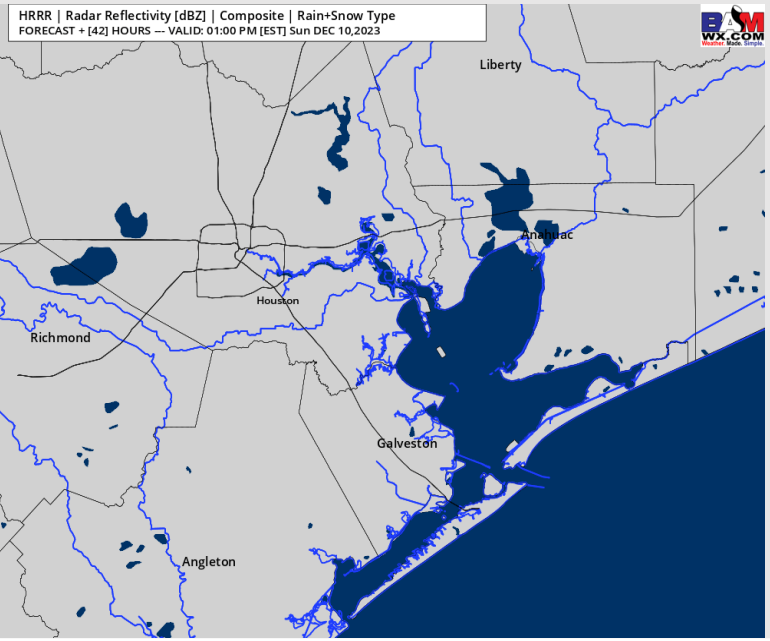
**Precip:** Dry conditions favored throughout the day.

**Wind:** Winds out of the NW will gradually calm throughout the day. **N of Morgan's Point:** Winds currently at 10-15 kts will gradually calm to 3-8 kts by 5 PM. **S of Morgan's Point:** 20-25 kt winds will sustain through 7 AM, after which time winds will be gradually calm to 5-10 kts by 6 PM.

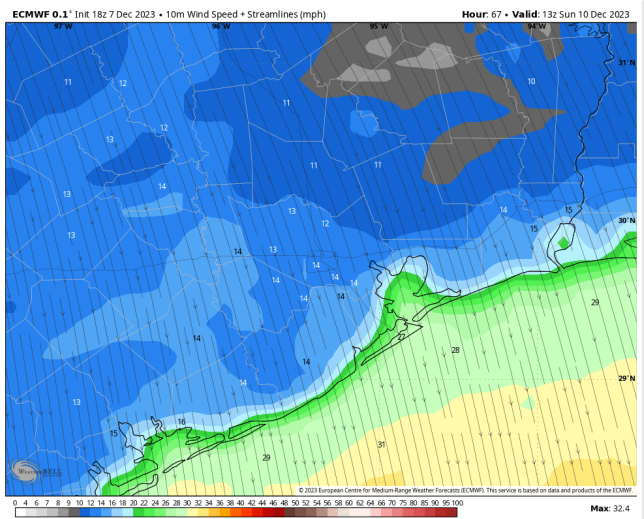
**High Temps:** Notable cooler behind the cold front **N of Morgan's Point:** Mid 50s F. **S of Morgan's Point:** Mid 50s F.

**Visibility:** Not anticipating any fog concerns Sunday.

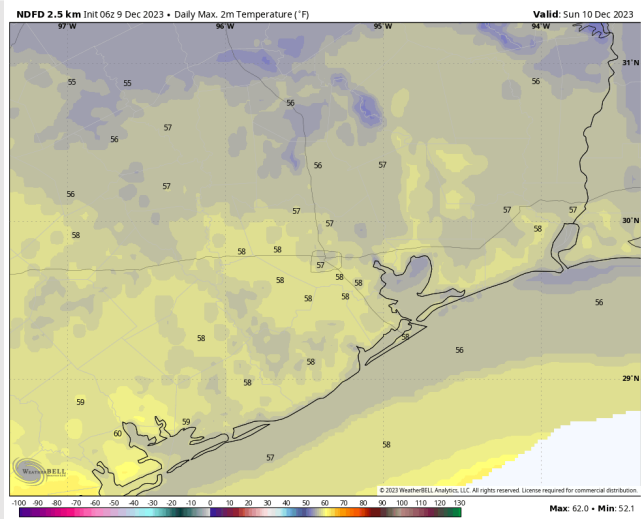
## Precip Image: 12 PM CT



Wind Speed:  
7 AM CT



High Temps  
Sunday





# Houston Pilots: Mon. 12/11/2023



## Forecast Discussion

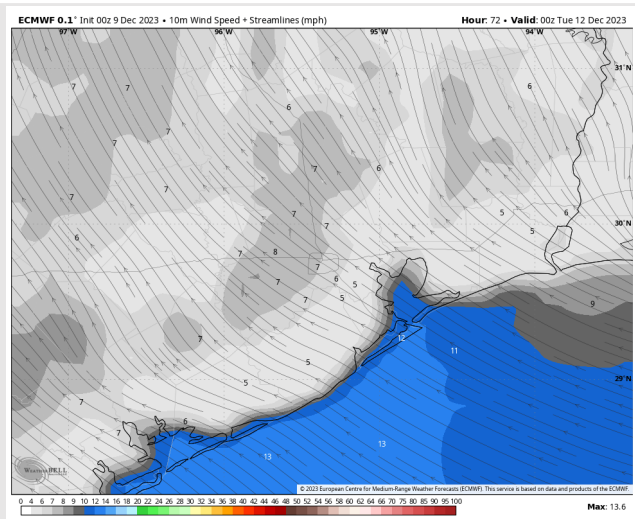
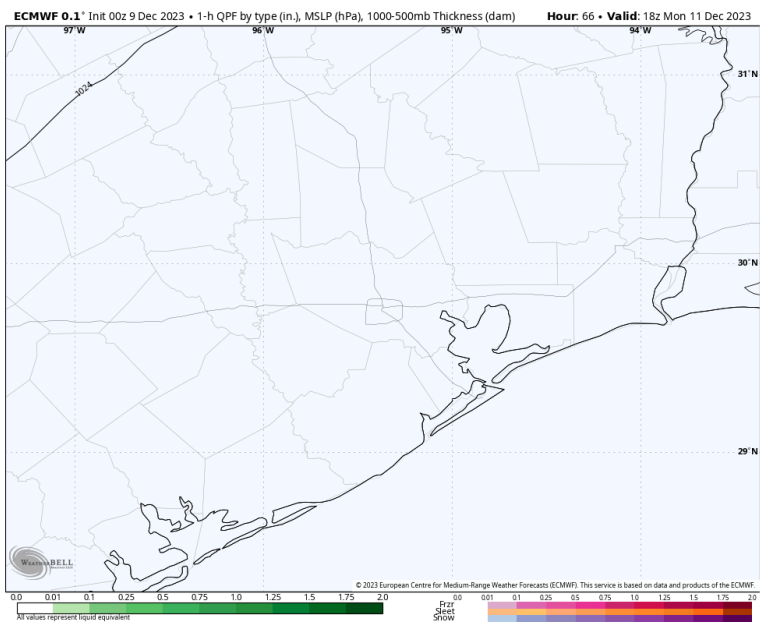
**Precip:** Favoring dry conditions throughout the day Monday.

**Wind:** Winds out of the NW will rotate out of the SE by 2 PM. **N of Morgan's Point:** 3-8 kts throughout the day. **S of Morgan's Point:** Winds of 3-8 kts will gradually increase to 7-12 kts by 6 PM.

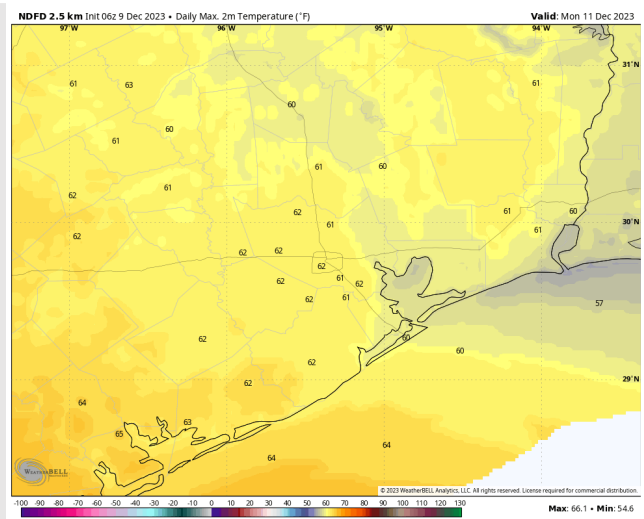
**High Temps:** **N of Morgan's Point:** Low 60s F. **S of Morgan's Point:** Low 60s F.

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

## Precip Image: 12 PM CT

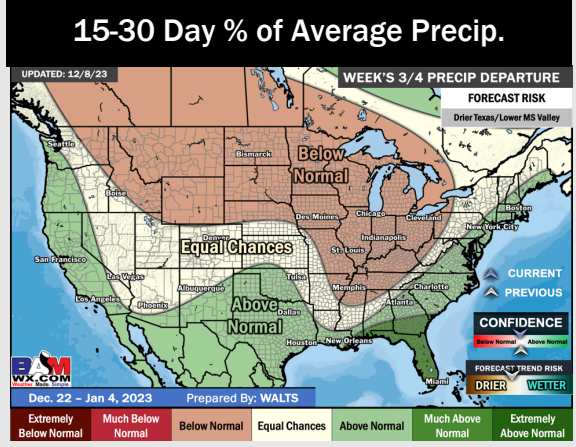
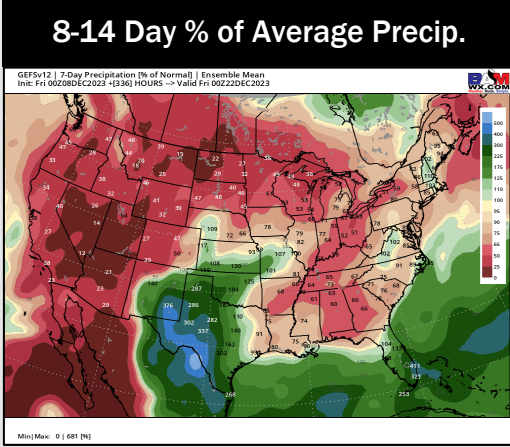
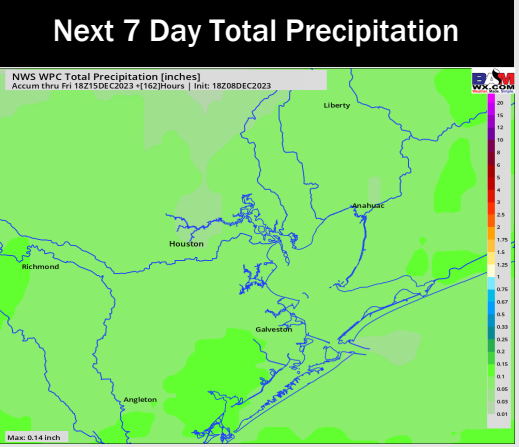
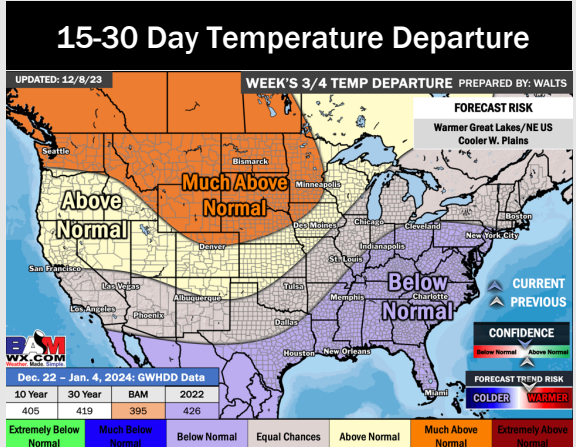
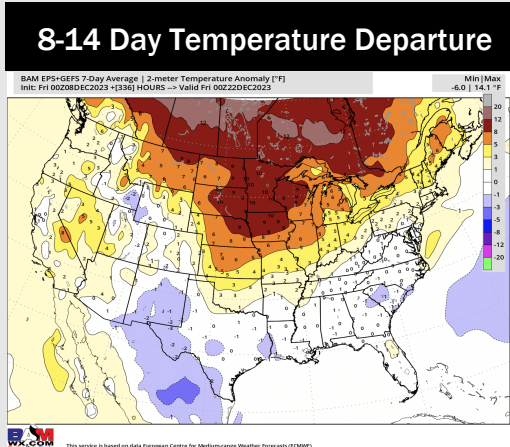
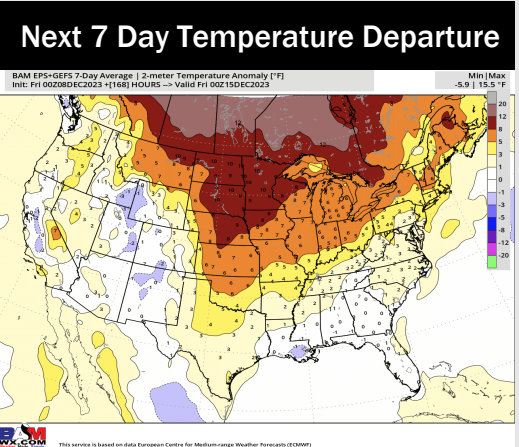


Wind Speed:  
6 PM CT



High Temps  
Monday

# Houston Pilots: 12/9/23



- Next best shot at rain will be on Saturday via cold front. Seasonal / slightly warmer than normal weather is expected this week.
- Seasonal precipitation chances and temperatures are expected into the week 2 timeframe.
- Below normal temperatures and above normal chances for precipitation are favored in the weeks 3/4 timeframe.