

Houston Pilots Forecast Package



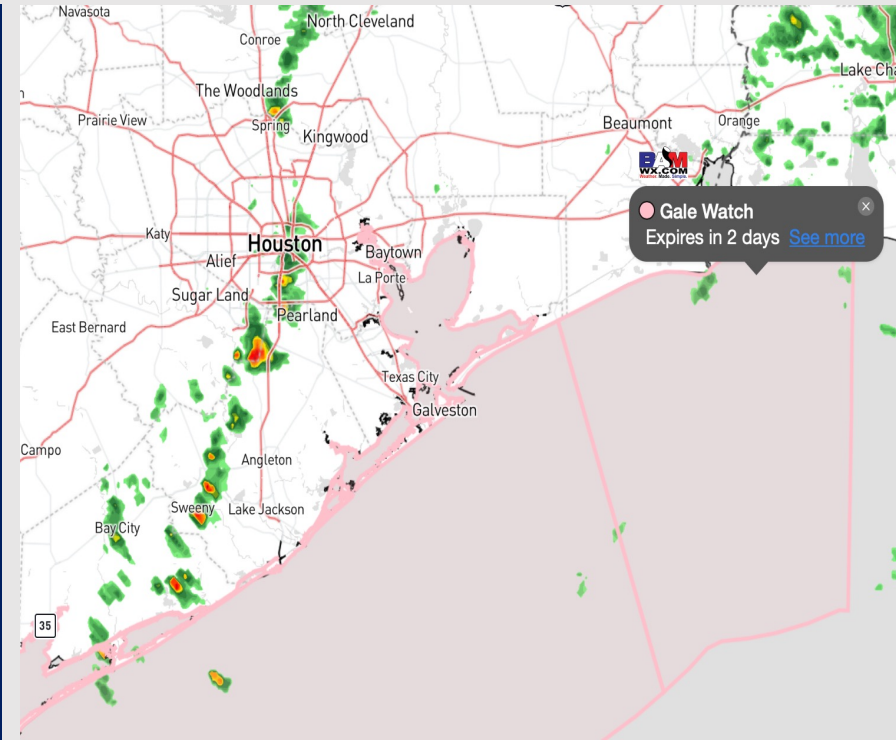
Updated: 1:00 PM CT

Friday, December 8, 2023

Forecaster: Alyssa Elliott

Weather Headlines

- A few showers and isolated storms possible today. Strong storms chances arrive Saturday PM as cold front pushes southeast. **Keeping an eye on strong/severe potential with these storms.**
- Watching for a patchy fog development within the bay late Friday into Saturday ahead of the front.
- Wind gusts up to 20-30 kts will be possible throughout the day today.



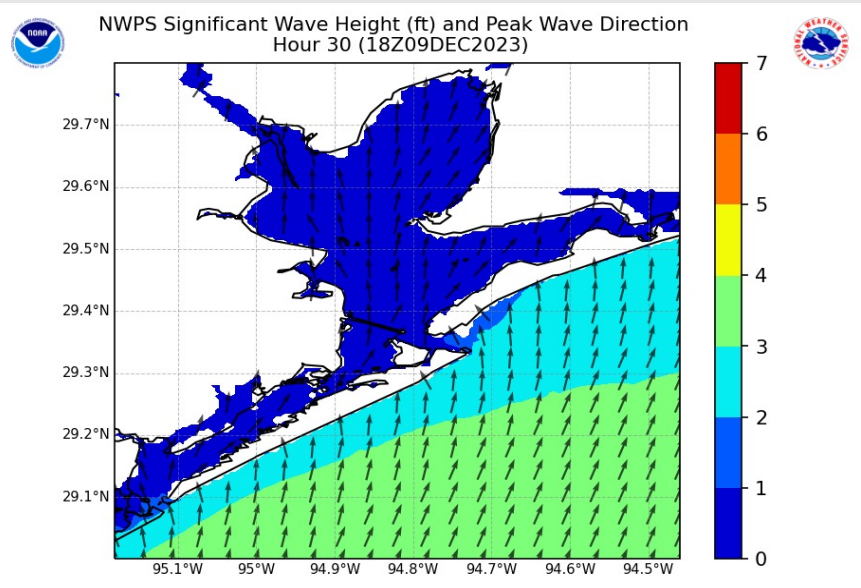
Radar/NWS Alerts: 12:50 AM CT



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.

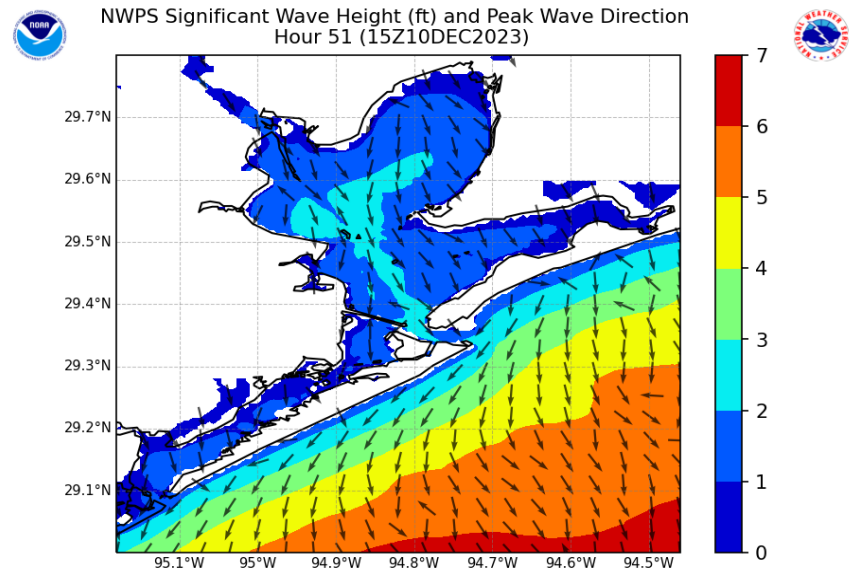
Houston Pilots Wave Height Update

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

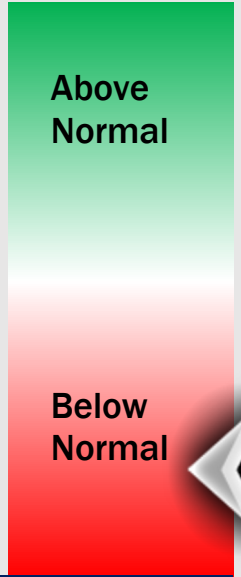
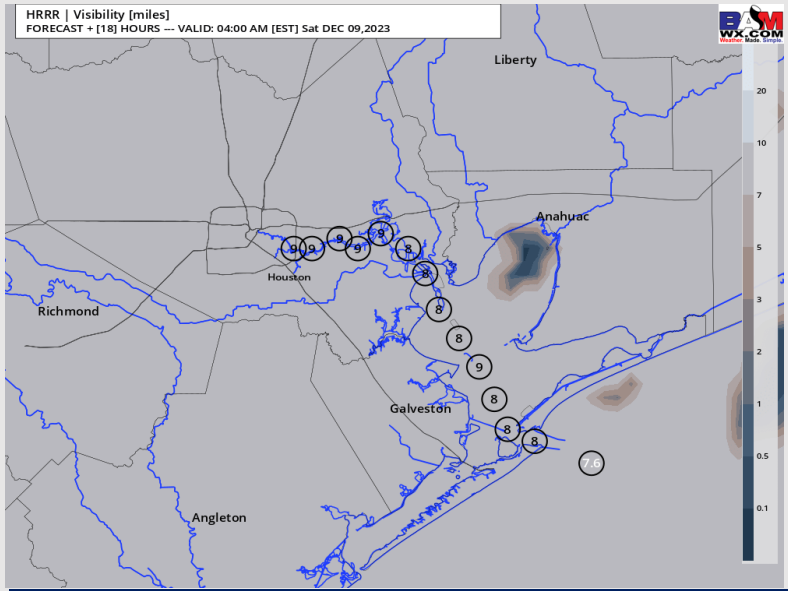
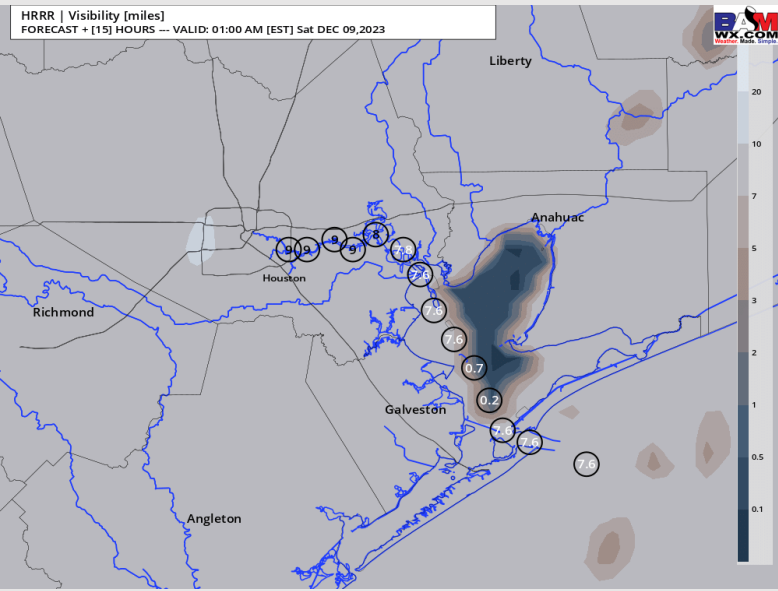
Moving into the overnight Saturday into Sunday AM, wave heights would risk to 2-3 ft for station 51/52 to station 11/12. The Boarding Station may be at risk for waves nearing 3-4 ft.

Houston Pilots Visibility Report



12 AM-CT SAT VISIBILITY 3 AM-CT SAT VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
12 AM - 4 AM SAT	Low

- Keeping an eye on the low end potential for patchy fog development in the Bay beginning at midnight Saturday into 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 12 AM - 2 AM-CT where patchy coverage would set up for stations between Morgan's Point and station 11/12. 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 2 AM-CT.
- Favoring fog risk to end after 3-4 AM-CT Saturday.

Houston Pilots Extended Range Visibility Report



Monday 12/11/23

No fog concerns Monday.



Tuesday 12/12/23

No fog concerns Tuesday.



Wednesday 12/13/23

No fog concerns Wednesday.



Chance for Fog

Monday AM	Unlikely
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Unlikely
Wednesday AM	Unlikely
Wednesday PM	Unlikely

Houston Pilots Visibility Chart (miles)



Forecast Confidence



Time	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	Fri 11pm	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			
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	7	6	6	5	6	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	7	7	6	5	6	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	8	7	7	6	7	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	7	7	7	7	7	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	7	7	7	7	7	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	9	7	7	7	7	7	9	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	9	9	9	8	9	9	9	9	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	8	8	9	9	9	9	9	9	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	9	9	9	9	9	9	9	9	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	9	8	9	9	9	9	9	9	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	9	8	8	9	9	9	9	9	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	9	7	9	9	9	9	9	9	9	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	9	7	8	8	9	9	9	9	9	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	7	8	9	7	7	6	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

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

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Houston Pilots: Fri. 12/08/2023



Forecast Discussion

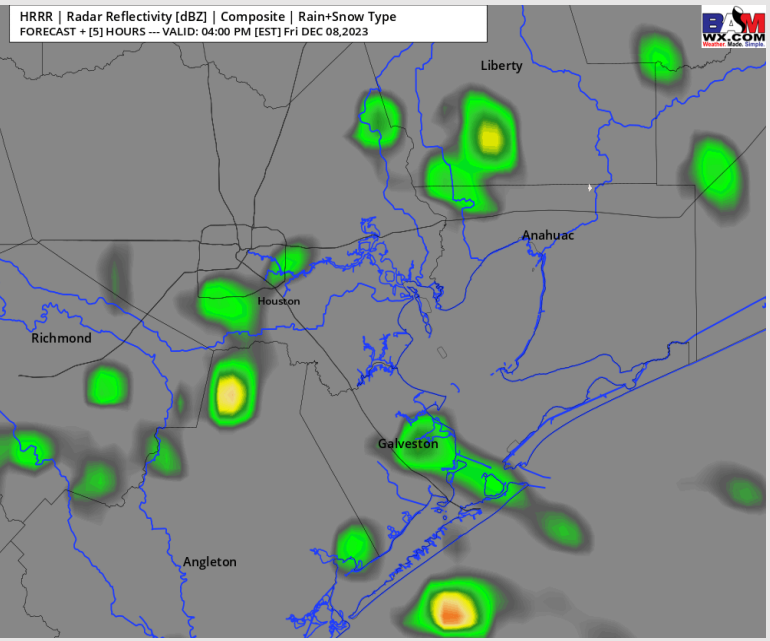
Precip: Favoring a spotty showers and a few isolated storms to hang around through 5PM CT today with pockets of drizzle being a risk through ~9 PM. Dry then for the rest of the evening.

Wind: Winds expected to stay out of the South throughout the rest of the evening. **N of Morgan's Point:** Winds 10 – 14 kts for the afternoon outside of a slight decrease between 5 – 9 PM with winds 5 – 10 kts. **S of Morgan's Point:** Winds at 15 – 20 throughout the rest of the afternoon. **Gusts of 25-30 kts will be possible throughout the rest of the evening.**

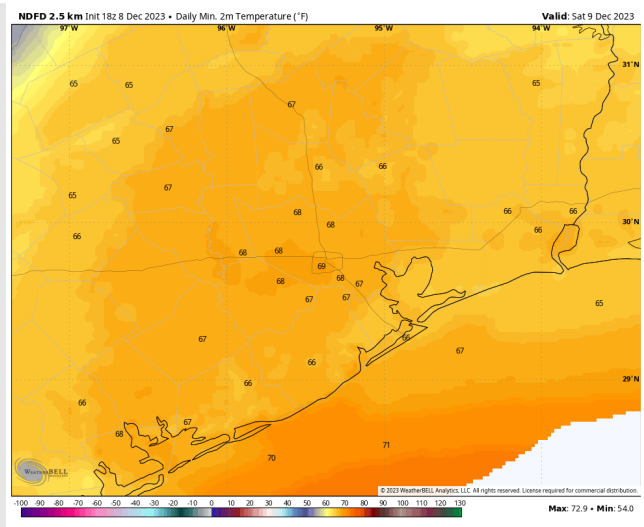
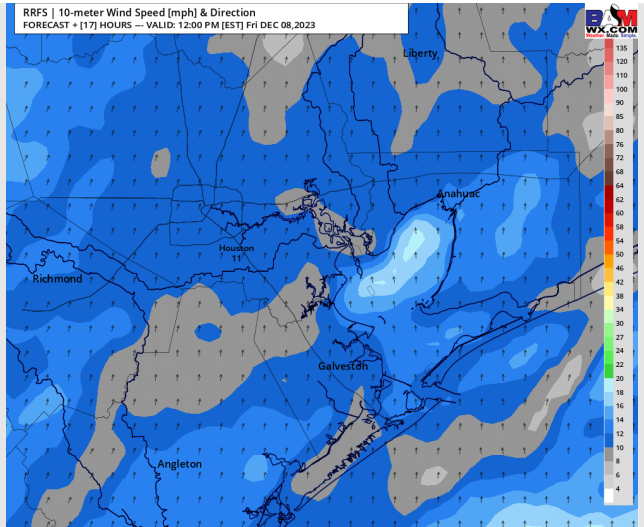
Low Temps: **N of Morgan's Point:** Upper 60s F **S of Morgan's Point:** Mid to upper 60s F.

Visibility: Watching the low end risk for patchy fog development in the bay early Saturday around 12 AM out ahead of the front this weekend. Lower confidence at this time, however based on latest model guidance, would favor this fog to set up closer to Morgan's Point if it can develop. **View visibility slide for more details.**

Precip Image: 3 PM CT



Wind Speed:
11 AM CT



Low Temps
Sat AM

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 storms (with severe potential including gusty winds and hail) move in from the NW and remain for the rest of the day.

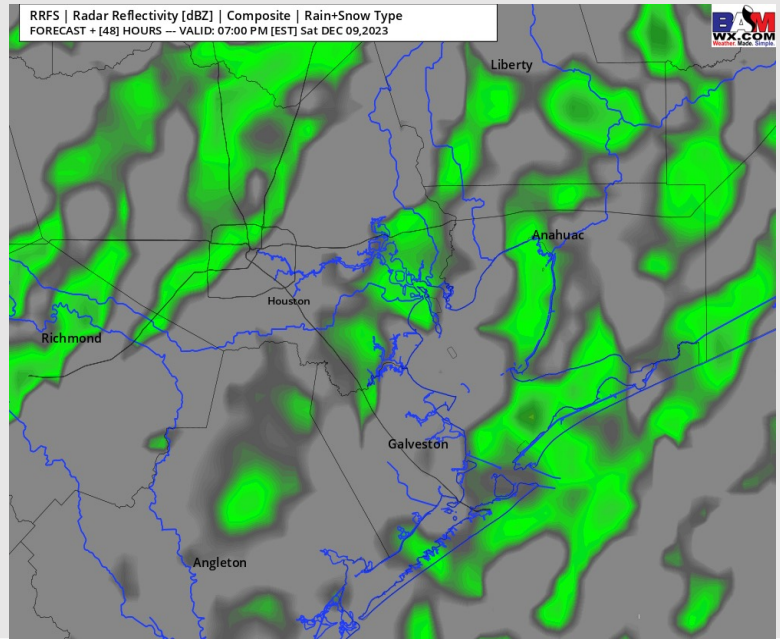
Wind: Winds out of the S/WSW through 5 PM, veering out of the NW after this time as the main front arrives. **N of Morgan's Point:** Sustained at 5 - 10 kts prior to 8 PM, then 9 - 14 kts for the remainder of the evening as the front arrives. **S of Morgan's Point:** 10-15 kts through 4 AM, decreasing to 8-13 kts at this time and remaining at this speed through 9 PM. After 9 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.

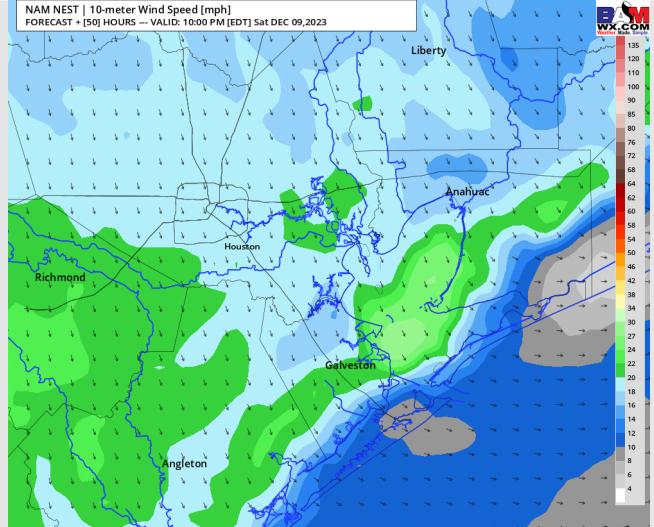
High Temps: **N of Morgan's Point:** Upper 70 F. **S of Morgan's Point:** Low 70s F.

Visibility: Watching the early AM for a potential patchy fog development within the Bay associated with the front. Risk would last until ~4 AM. **More details on visibility slide.**

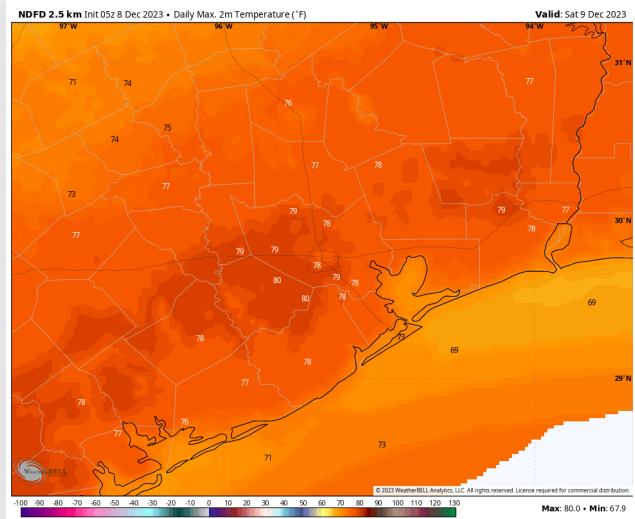
Precip Image: 6 PM CT



**Wind Speed:
9 PM CT**



**High Temps
Saturday**



Houston Pilots: Sun. 12/10/2023



Forecast Discussion

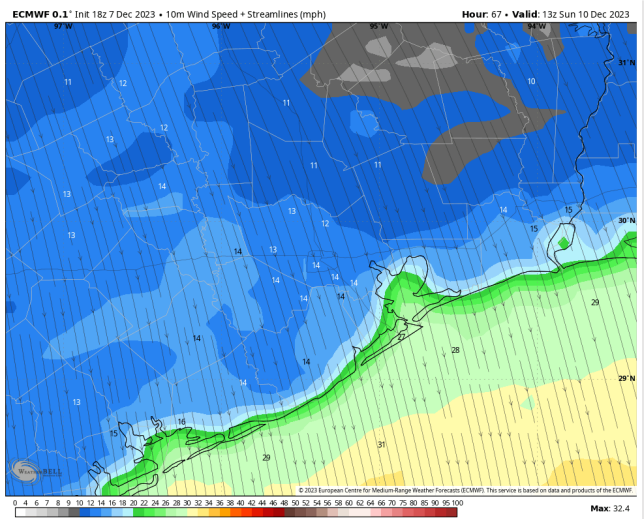
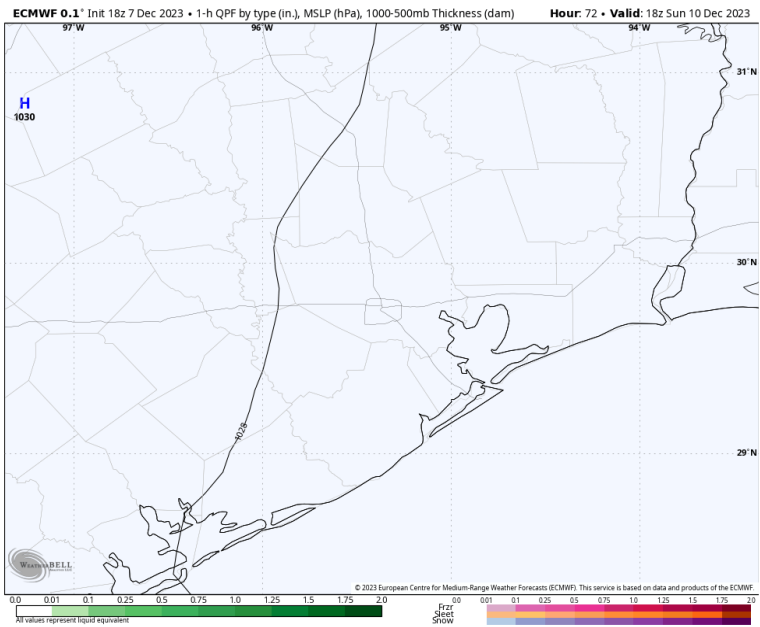
Precip: Dry conditions favored throughout the day.

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 being to gradually calm to 5-10 kts by 6 PM.

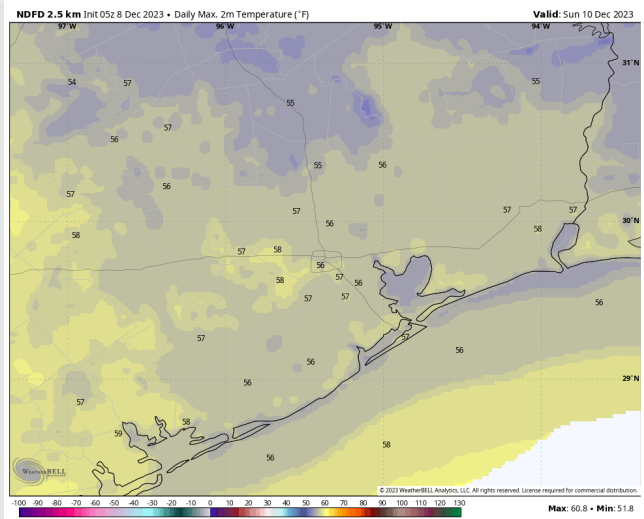
High Temps: Notable cooler behind the cold front **N of Morgan's Point:** Mid 50s F. **S of Morgan's Point:** Mid 50s F.

Visibility: Not anticipating any fog concerns Sunday.

Precip Image: 12 PM CT

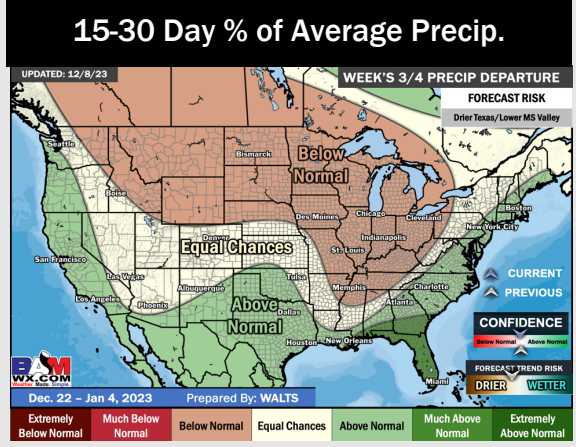
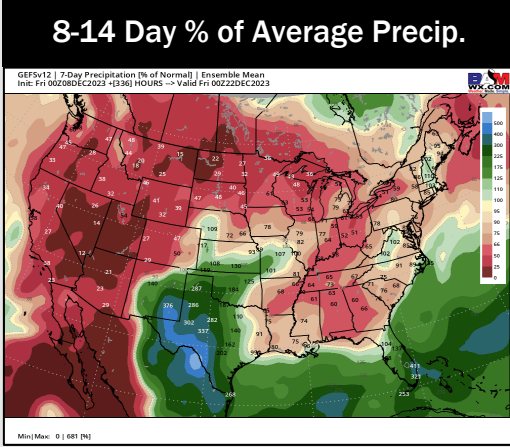
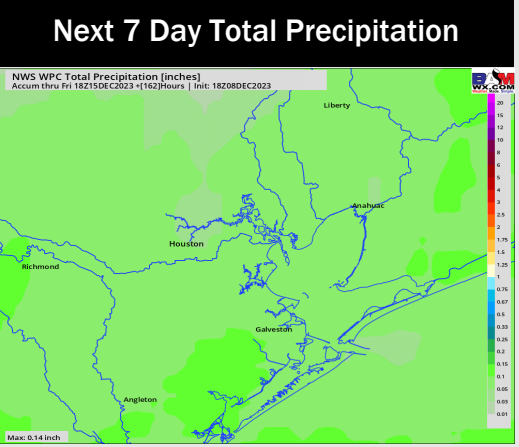
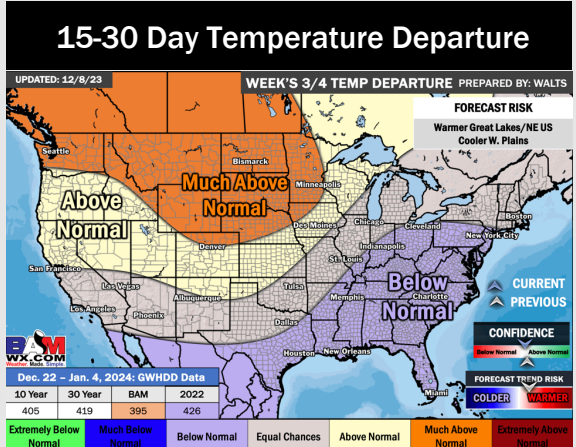
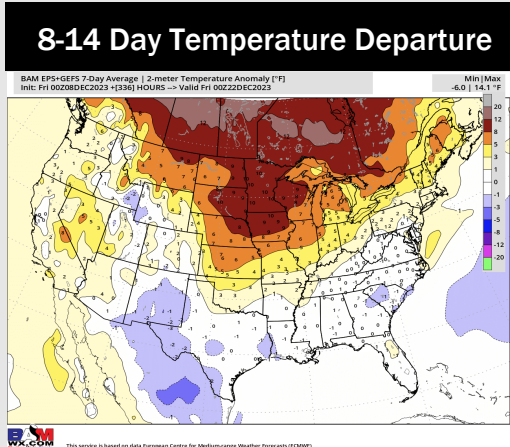
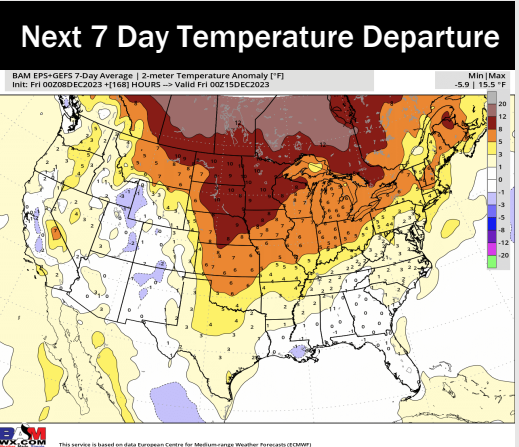


Wind Speed:
7 AM CT



High Temps
Sunday

Houston Pilots: 12/8/23



- 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.