

Houston Pilots Forecast Package



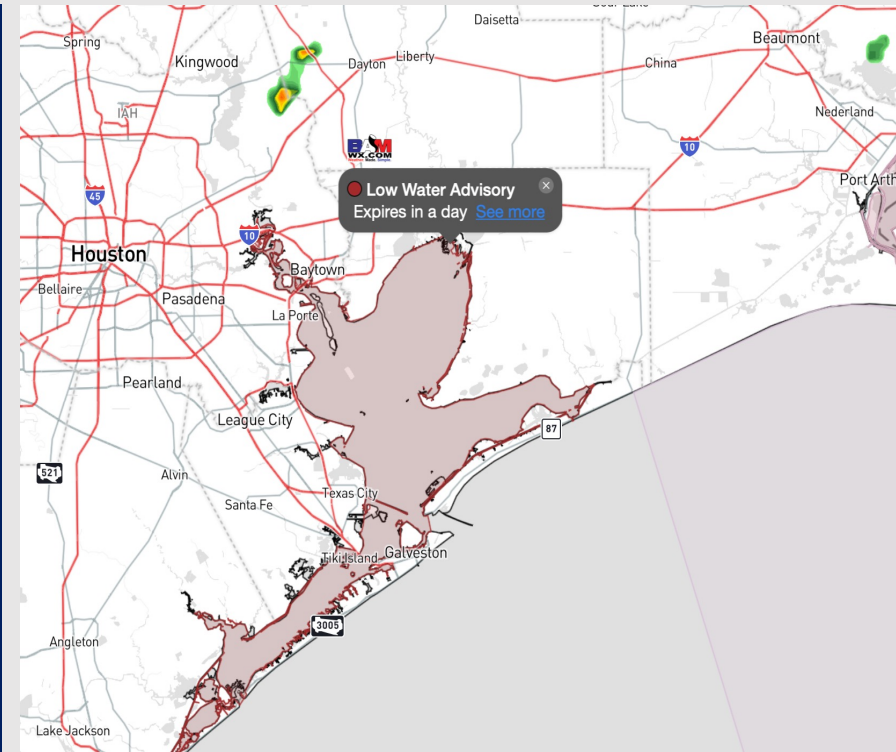
Updated: 1:00 PM CT

Saturday, December 9, 2023

Forecaster: Alyssa Elliott

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.**
- Monitoring low end patchy fog risk continuing within the bay this PM ahead of the front. Fog risks for Stations will end as front passes.
- Drier pattern ahead after front-associated rains move out late this evening.
- Low water Advisory in place for this evening through the morning hours tomorrow as strong NW winds are remain for an extended period of time.



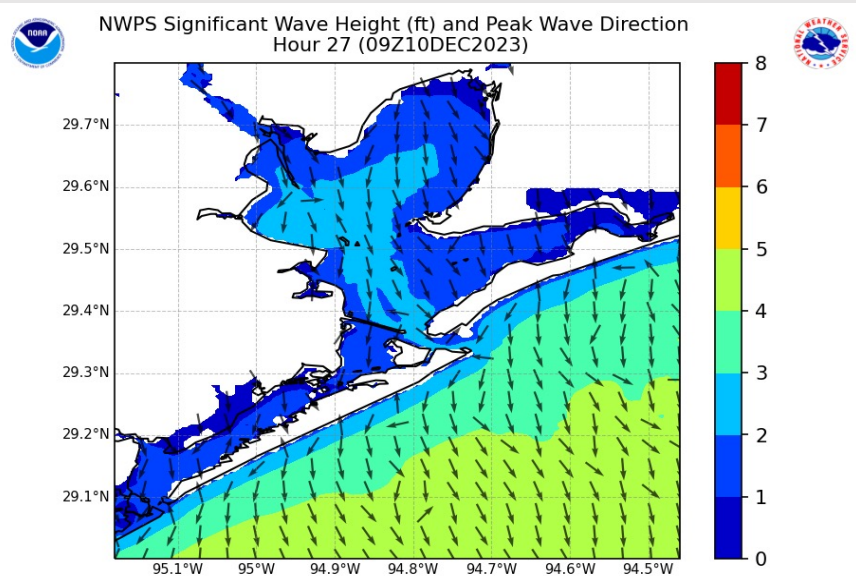
Radar/NWS Alerts: 12:15 PM CT



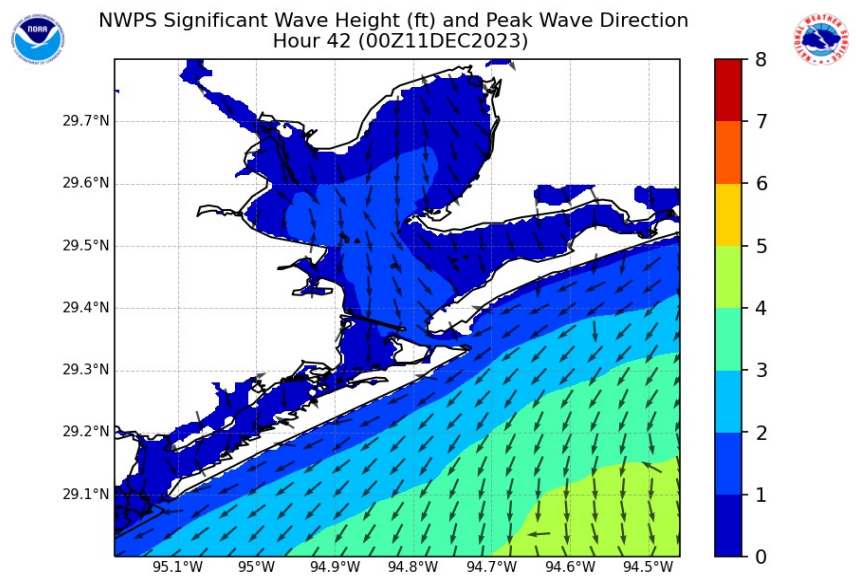
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Wave Height Update

Significant Wave Height Image



3 AM CST Sunday



6 PM CST Sunday

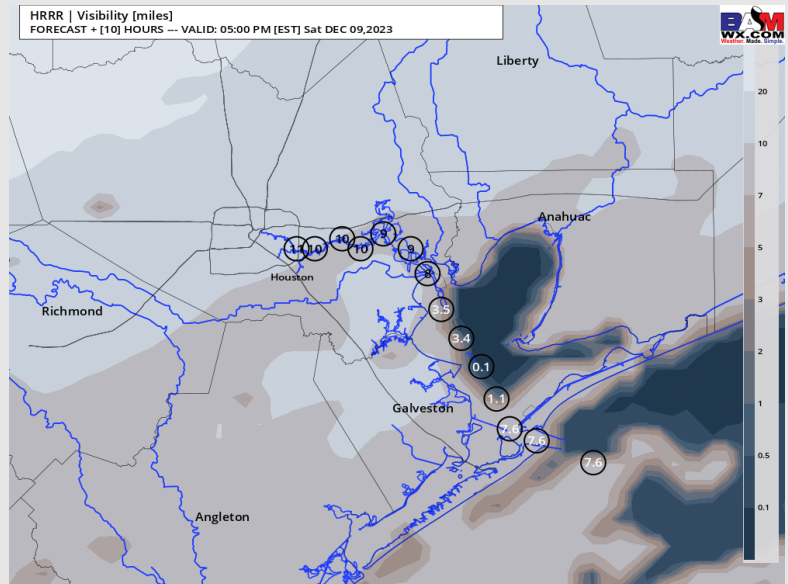
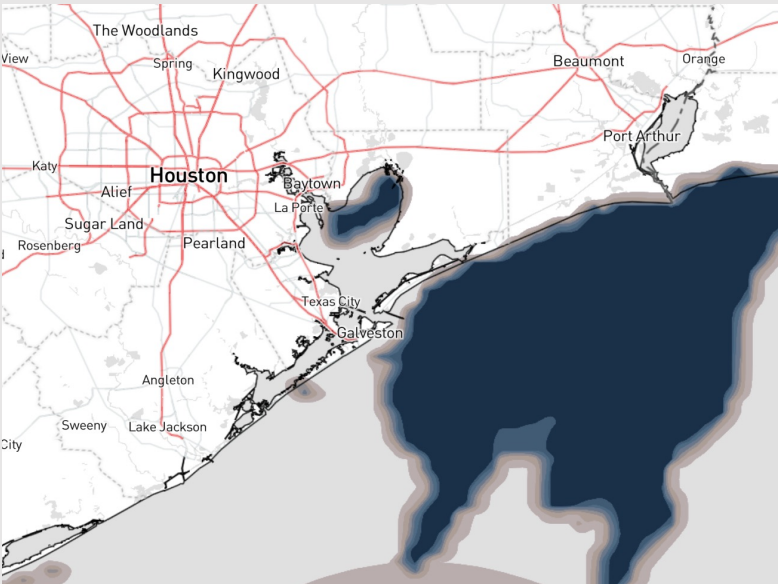
The top image shows wave heights around 3 AM Sunday. Wave heights for almost all stations around 2-3 ft. Near stations 11/12 and the Boarding Station, waves may increase to 3-4 ft.

Moving into the evening Sunday, wave heights will drop as winds shift out of the N. bringing wave heights to 2 ft or less. **Need to then watch for a low water risk.**

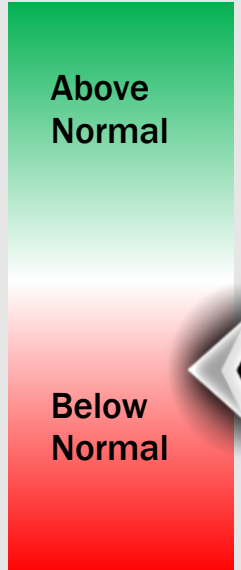
Houston Pilots Visibility Report



VISIBILITY AS OF 12:30 PM-CT 4 PM-CT VISIBILITY



Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT- 6 PM SAT	Low

- Continuing to monitor the patchy fog that lingers into the E. half of Galv. Bay this afternoon that is reducing visibility down to 2-4 miles with locally more dense fog reducing visibility to 1 mile or less.
- Expecting overall risk for stations to see reduced visibility to be fairly low as this fog is favored to sit jus to the east, however , occasionally visibility being reduced to 1-3 miles will be a risk through 6 PM-CT before the cold front pushes through. This cold front will shift strong winds out of the N. Isolated instances of less than a mile cannot be ruled out.
- Stations from Morgan's Point to the Boarding Station have the greatest risk of seeing this fog bleed west just enough to create impacts, however majority of fog is favored to remain E. of stations.
- Confidence is lower for exact end time, as fog could break up and clear out before 6 PM-CT.

Houston Pilots Extended Range Visibility Report



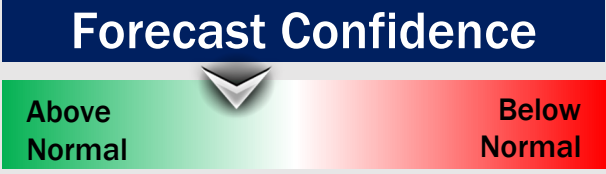
Tuesday 12/12/23

No fog concerns Tuesday.



Wednesday 12/13/23

No fog concerns Wednesday.



Thursday 12/13/23

No fog concerns Thursday.



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 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	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 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	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
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1 & 2 Bravo	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	10	10	10	10	10	10	10	10	10	10

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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	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	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm	Sun 4pm	Sun 5pm	Sun 6pm	Sun 7pm	Sun 8pm	Sun 9pm	Sun 10pm	Sun 11pm	
610 Bridge	7	7	6	5	5	4	4	10	10	11	12	12	13	13	11	16	15	15	15	15	13	13	12	12	11	10	9	8	7	5	4	4	3	3	2		
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	SW	WSW	WSW	WSW	WSW	WNW	WNW	NNW	NNW	NNW	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
Kinder 1	7	7	6	5	5	4	4	10	10	11	12	12	13	13	12	16	15	15	14	14	13	13	12	11	10	9	8	7	5	4	4	3	3	2	2		
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	SW	WSW	WSW	WSW	WSW	W	WNW	NNW	NNW	NNW	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Greens Bayou	7	7	6	5	5	4	3	10	10	11	12	12	13	13	12	16	15	15	14	14	13	13	12	12	11	10	9	8	7	5	4	4	3	3	2	2	
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	SW	WSW	WSW	WSW	WSW	W	W	NNW	NNW	NNW	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Shell Crude	7	8	7	6	5	4	3	10	10	11	12	12	13	13	12	15	15	15	14	14	13	13	12	12	12	11	10	9	7	5	4	4	3	3	2	2	
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	SW	WSW	WSW	WSW	WSW	WSW	W	NNW	NNW	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
Lynchburg Ferries	7	8	6	5	5	4	3	10	9	11	12	11	12	12	12	15	15	15	14	14	13	13	12	12	12	11	10	9	7	6	5	4	3	3	2	2	
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Exxon 3	6	7	6	6	4	4	2	9	9	10	12	11	12	13	11	15	15	15	15	14	13	13	13	12	12	11	10	9	8	6	5	5	4	3	3	3	
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Morgans Point	5	5	5	6	5	5	4	8	8	11	11	11	14	14	13	17	17	17	16	16	15	15	13	13	12	12	11	11	9	8	6	6	5	4	4	4	
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25/26	7	8	7	8	7	6	6	6	14	13	17	24	20	22	20	24	24	24	24	24	23	22	21	18	17	16	15	14	13	12	11	10	9	7	6	5	
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	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	NNW	NNW	NNW	WSW	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N
11/12	5	6	5	7	8	6	7	6	12	14	14	22	17	20	18	23	23	23	23	24	23	22	21	18	17	16	15	14	13	12	11	10	9	8	7	6	5
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	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	SW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N
1 & 2 Bravo	5	3	3	5	10	8	8	8	9	15	15	21	22	24	23	27	27	28	28	27	26	25	21	20	18	17	16	15	14	13	13	11	10	9	8	7	
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Forecast Discussion

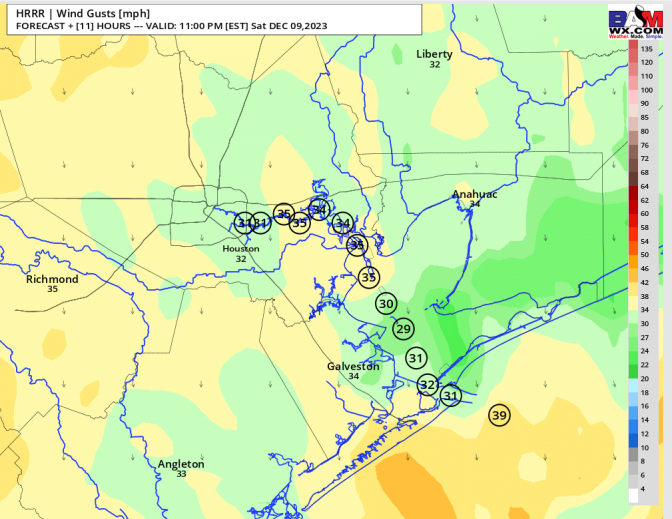
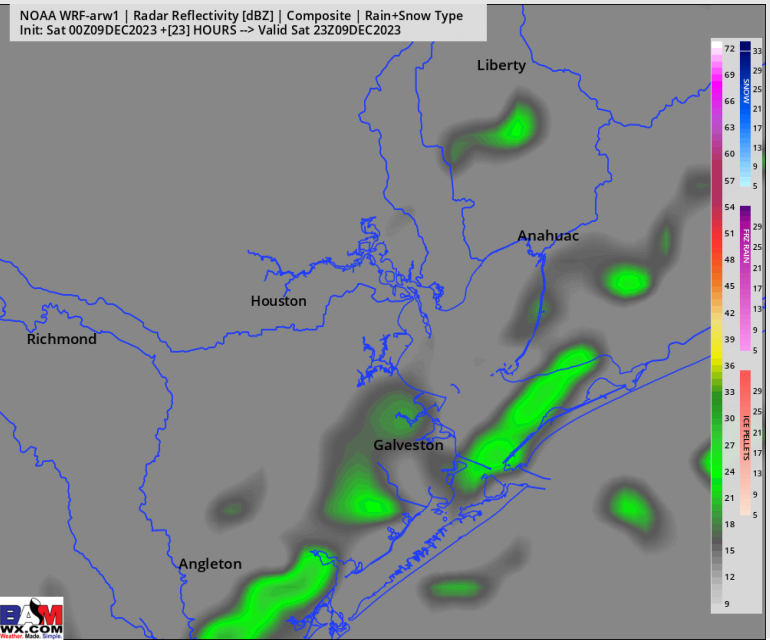
Precip: Favoring a 60% chances for showers and storms (some strong with potential for gusty winds) move in from the NW by 4 PM and remain for the rest of the day. The main line of stronger storms producing the strongest gusts and pockets of hail will push through between 6 – 8 PM.

Wind: Winds out of the S/WSW through 6 PM, veering out of the N/NW thereafter, once front arrives. **N of Morgan's Point:** Sustained at 5 – 10 kts prior to 6 PM, then 15 – 20 kt winds favored due to front pushing in. **S of Morgan's Point:** 10-15 kts through 7 PM. After 7 PM, winds steadily increase to 20-25 kts through the rest of the evening. **Gusts of 15 – 20 favored through 6 PM. Then after 6 PM, gusts will rise to 35-45 kts out of the N, continuing to be a risk for the rest of the evening. This will cause the low water risk in the Bay.**

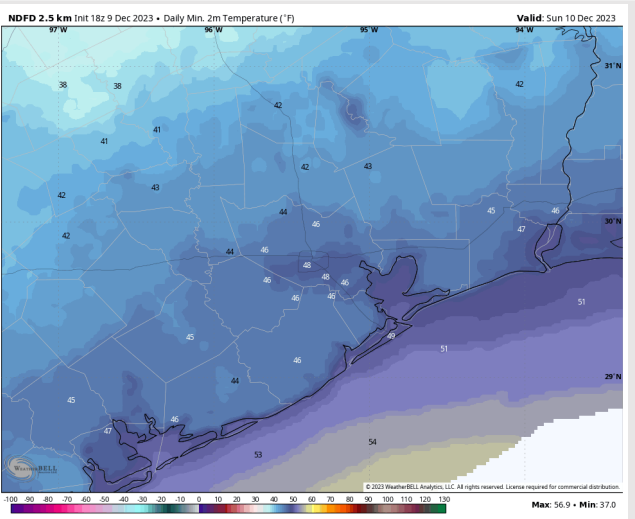
Low Temps: **N of Morgan's Point:** Upper 40 F. **S of Morgan's Point:** Upper 40s to low 50s F.

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 Gusts:
10 PM CT



High Temps
Sun AM

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 AM.

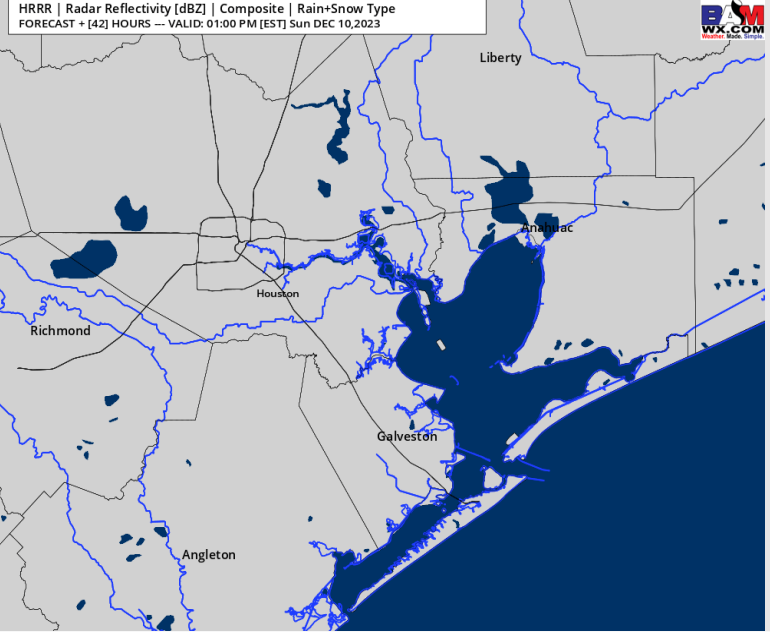
N of Morgan's Point: Winds currently at 15-20 kts will gradually calm to 3-8 kts by 5 PM.

S of Morgan's Point: 20-25 kt winds will briefly rise to 25-30 kts through 7 AM, after which time winds will be gradually calm to 15-20 kts by 6 PM, continuing to calm into the overnight.

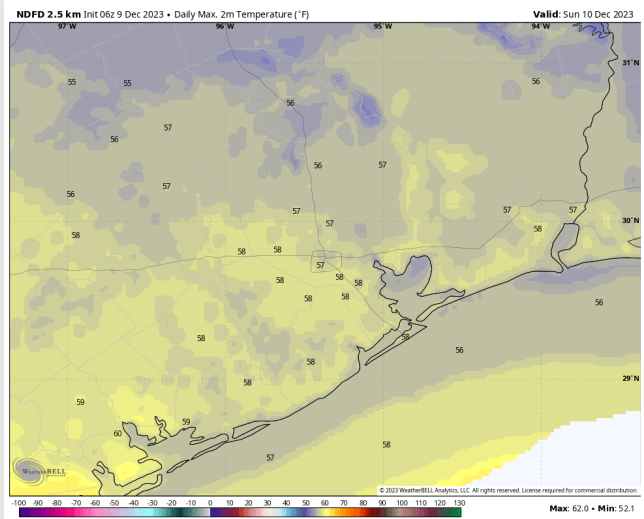
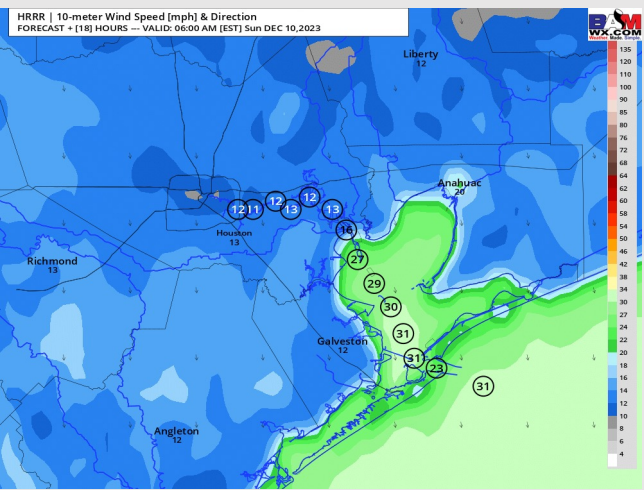
High Temps: Notable cooler behind the cold front N of Morgan's Point: Mid 50s F. S of Morgan's Point: Mid 50s F.

Visibility: Not anticipating any fog concerns Sunday.

Precip Image: 12 PM CT



Wind Speed:
5 AM CT



High Temps
Sunday

Houston Pilots: Mon. 12/11/2023



Forecast Discussion

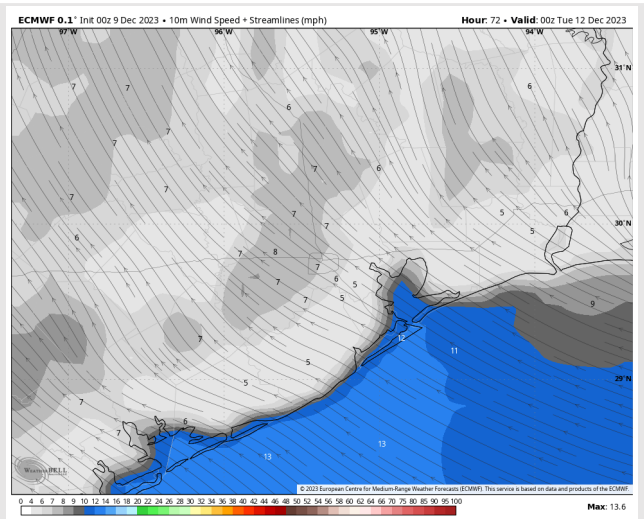
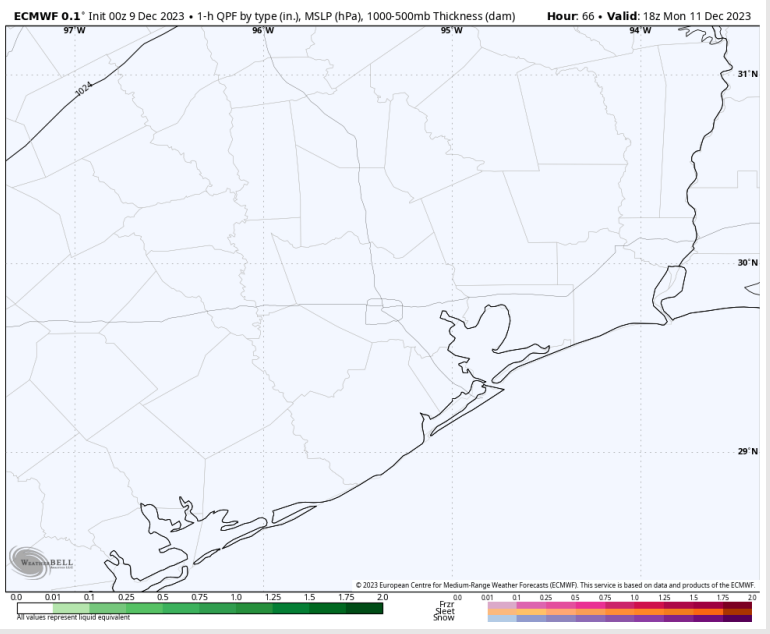
Precip: Favoring dry conditions throughout the day Monday.

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.

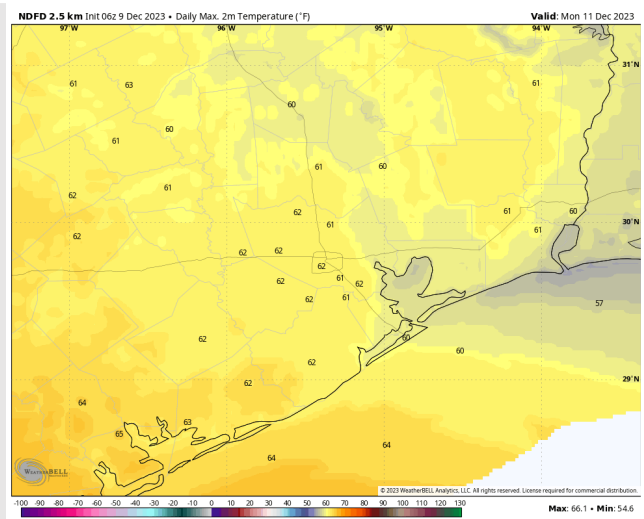
High Temps: **N of Morgan's Point:** Low 60s F. **S of Morgan's Point:** Low 60s F.

Visibility: Not anticipating any visibility concerns Monday.

Precip Image: 12 PM CT

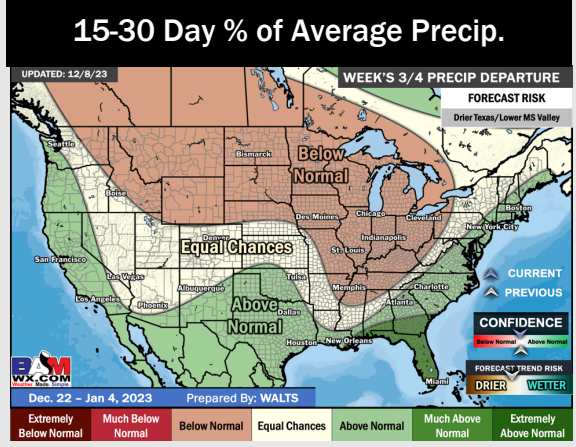
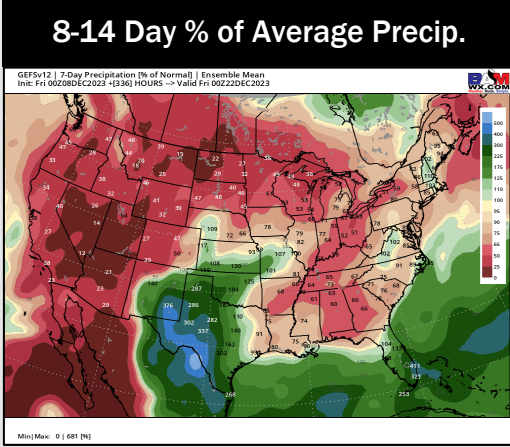
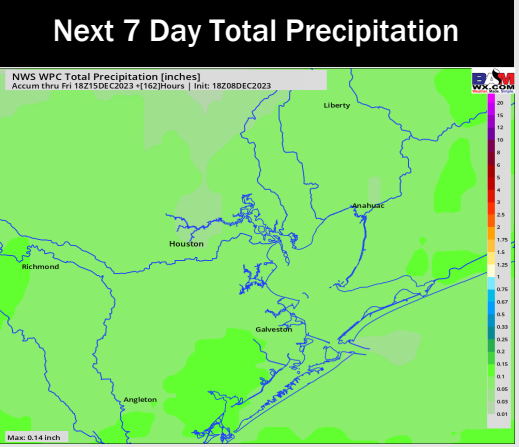
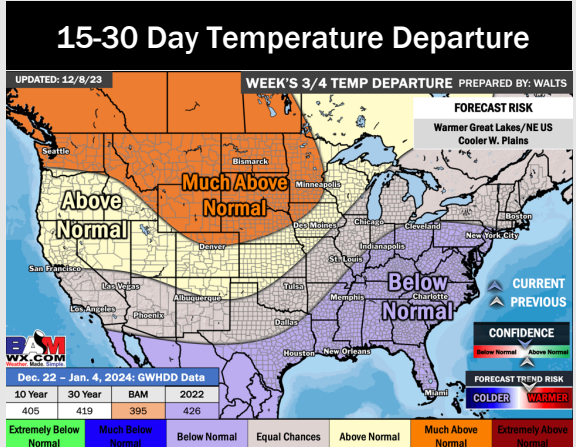
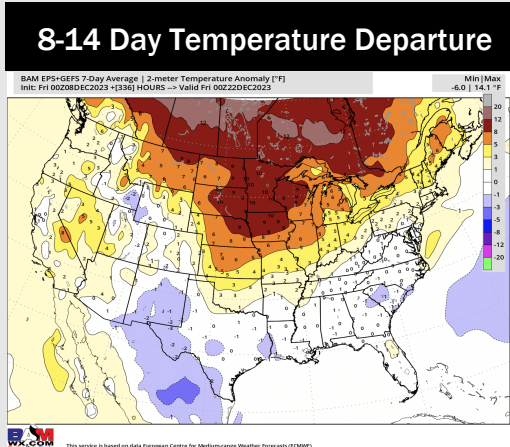
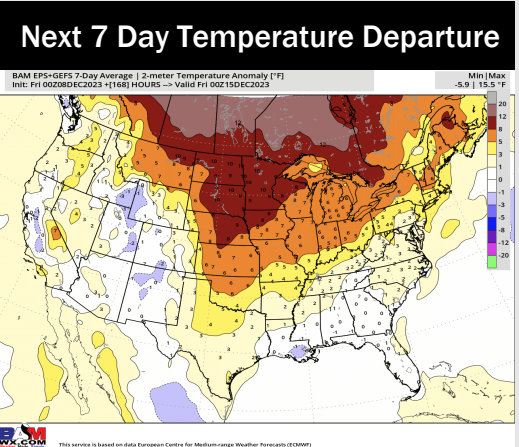


Wind Speed:
6 PM CT



High Temps
Monday

Houston Pilots: 12/9/23



- Next best shot at rain will move in next weekend. 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.