

Houston Pilots Forecast Package



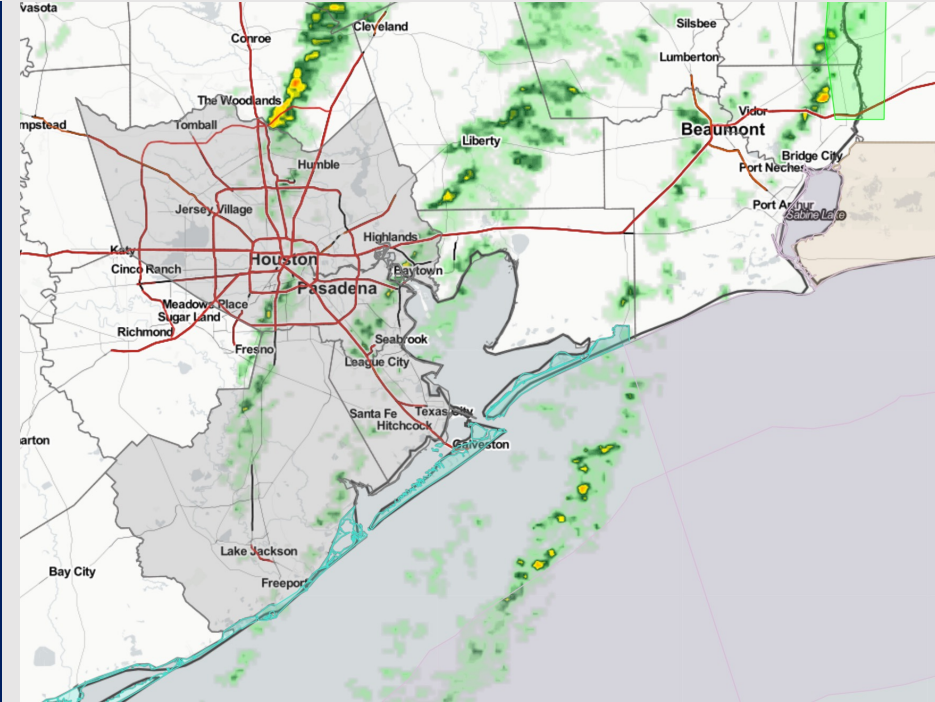
Updated: 2:25 PM CT

Friday, March 24, 2023

Forecaster: Tyler Hollingsworth

Weather Headlines

- **Threat for visibility issues continues to be possible this evening into tomorrow morning.** More info on the following slides.
- Lingerin showers expected until around 5 PM.
- Elevated winds this afternoon
- Additional precipitation chances arrive Sunday



Radar/NWS Alerts: 2:22 PM CT



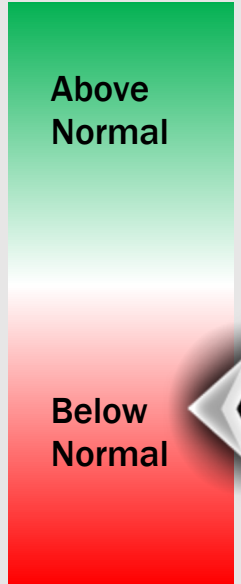
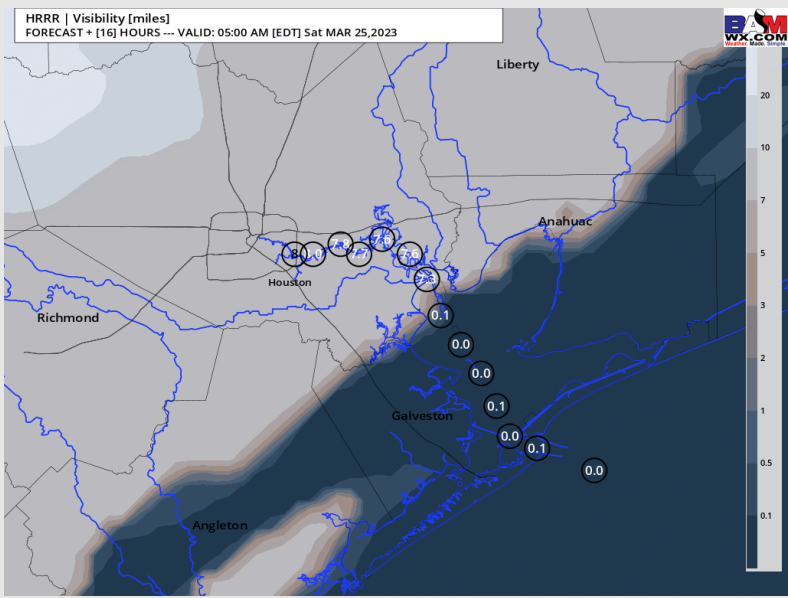
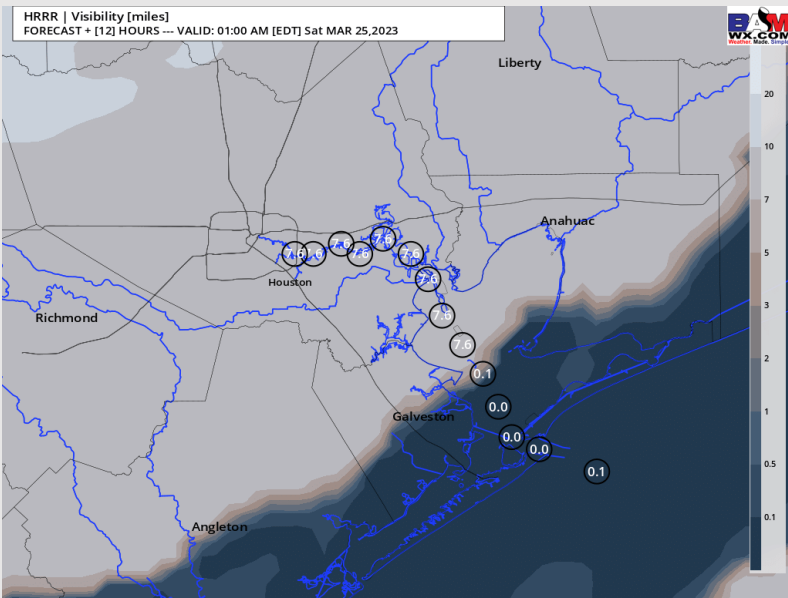
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



12 AM CT SAT VISIBILITY 4 AM CT SAT VISIBILITY

Confidence



TIMEFRAME DISCUSSED	THREAT
9 PM FRI - 7 AM SAT	Low - Med

- Lower confidence forecast due to past model guidance performance, however, with current conditions having a more favorable setup for fog development, visibility threat for stations continues to the possible at this time.
- As we get closer to sundown, threat for fog development increases with the greatest threat for fog being around the midnight to 4 AM window as there continues to be a southwesterly component to generally light winds. Thereafter, light winds start to shift out of the north which should limit the potential.
- Due to the orientation of the winds, it will be stations south of Morgan's Point with the greatest risk to see this threat.
- Confidence continues to remain below normal on the potential for dense fog producing visibilities at/ below 1 mile. Compared to the last few days of potential, the lighter winds out ahead of a cold front would be more supportive. Thus the risk is slightly elevated this evening into tomorrow morning vs previous days.

Houston Pilots Extended Range Visibility Report



Monday 3/27/23

Winds out of the S for the AM hours will present some potential for sea fog, but a shift in wind from the NE will make fog unlikely in the PM.



Wednesday 3/29/23

Winds will start out of the NE during the AM hours on Wednesday, and then shift to out of the SE by the early afternoon hours. Although low level moisture will not be great, sea fog could be possible.



Tuesday 3/28/23

Winds out of the NE will make fog unlikely on Tuesday.



Chance for Reduced Visibility

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

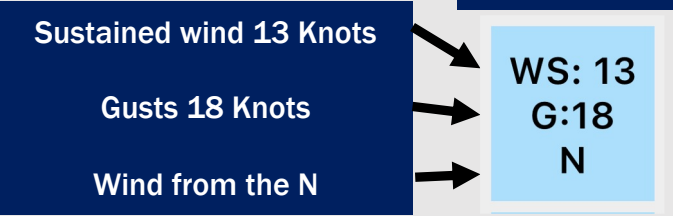
Houston Pilots Wind Report



Confidence



Example



Time Knots	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	Sun 12am				
610 Bridge	12	10	11	10	9	7	5	4	5	6	5	4	4	4	5	6	5	4	4	5	5	8	8	8	7	7	7	6	6	5	4	4	4	4	4	4	3			
	27	21	25	22	16	14	12	9	12	14	12	11	10	10	11	9	8	7	7	8	8	12	12	11	11	11	11	10	8	7	5	5	6	5	6	5	6	5		
Kinder 1	11	10	11	10	9	8	5	4	5	6	5	4	4	4	5	6	5	5	4	5	5	8	8	8	7	7	7	6	6	5	4	4	4	4	4	4	3			
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Greens Bayou	11	10	11	10	9	8	6	4	5	7	5	4	4	3	5	6	5	5	5	5	5	8	8	8	7	7	7	6	6	5	4	4	4	4	4	4	3			
	24	22	26	23	17	14	14	9	12	14	13	10	10	10	10	10	8	7	7	8	8	12	12	11	11	10	10	10	8	7	5	5	6	6	6	6	6			
Shell Crude	10	10	11	10	10	8	6	4	6	7	5	5	4	3	5	7	6	5	5	5	5	6	8	8	8	8	7	7	6	5	4	4	4	4	4	4	4			
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Lynchburg Ferries	10	9	11	11	10	8	6	4	5	6	5	4	3	3	5	7	6	5	5	5	6	8	8	8	8	7	7	6	6	4	4	4	4	4	4	4	4			
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Exxon 3	9	12	11	11	10	8	6	4	6	6	5	5	4	3	5	7	6	5	5	5	6	8	8	8	8	7	7	6	6	5	4	5	4	5	4	5	4			
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Morgans Point	9	14	12	12	10	8	6	7	7	6	5	5	4	5	7	6	6	6	6	6	7	8	8	8	8	7	7	6	6	7	6	6	5	5	5	5	5	5		
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Forecast Discussion

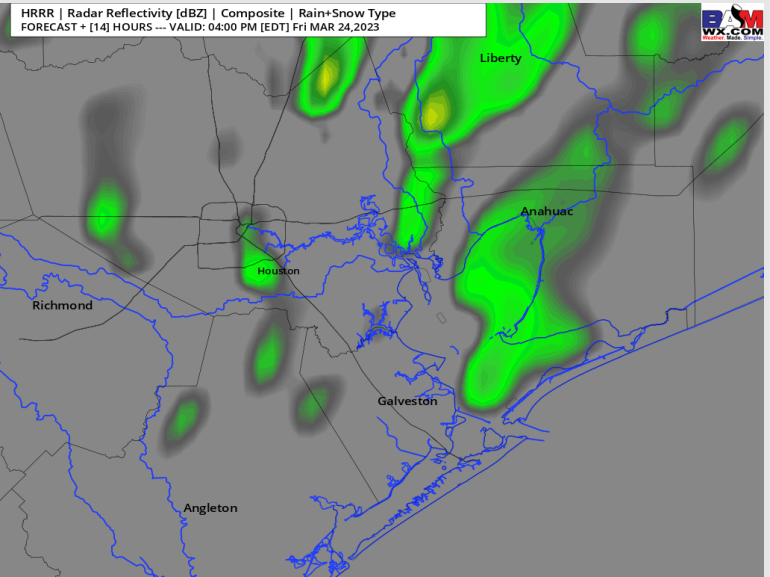
Precip: Lingering showers are expected until 5 PM.

Wind: 11 – 16 knots (windier towards the boarding station) and gusts to 26 knots expected to continue this early afternoon. Highest threat time for these gusts is until 8 PM, with the potential lingering the longest towards the boarding station. South winds from the AM will start to veer out of the SW after 3 PM where they will remain for the evening. After 6 PM winds across the northern half of station will start to weaken to 4 – 7 knots sustained while the southern half stations will be closer to 11 – 14 knots sustained

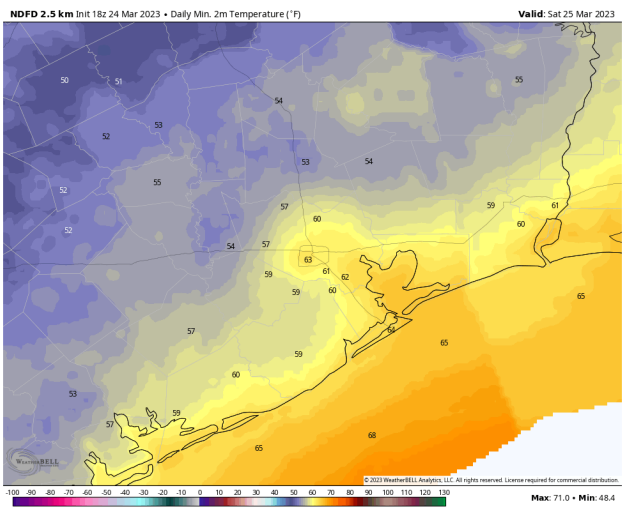
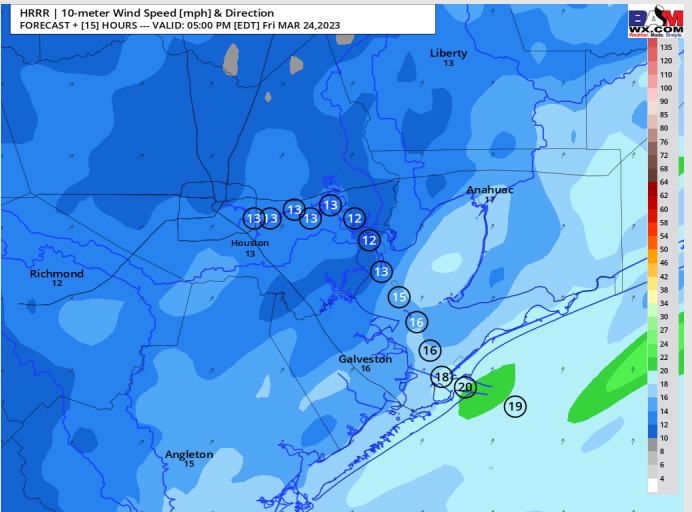
Temps: Low temperatures Saturday morning will be in the low 60s F at all stations.

Visibility: More discussion of fog in visibility slide above.

Precip Forecast: 3 PM CT



Wind Speed
4 PM CT



Low Temps
Saturday AM

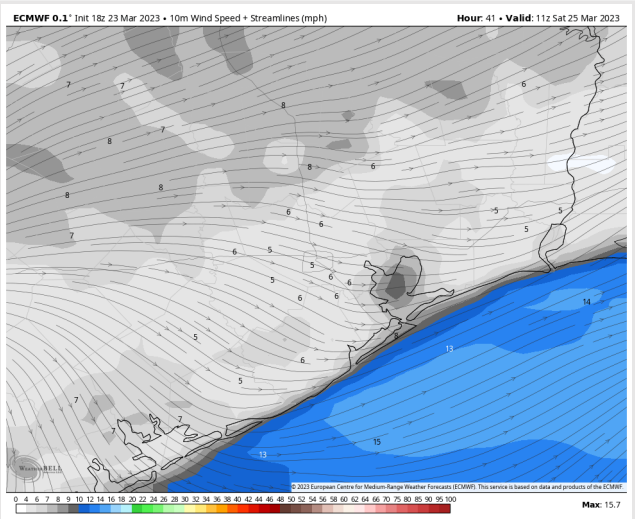
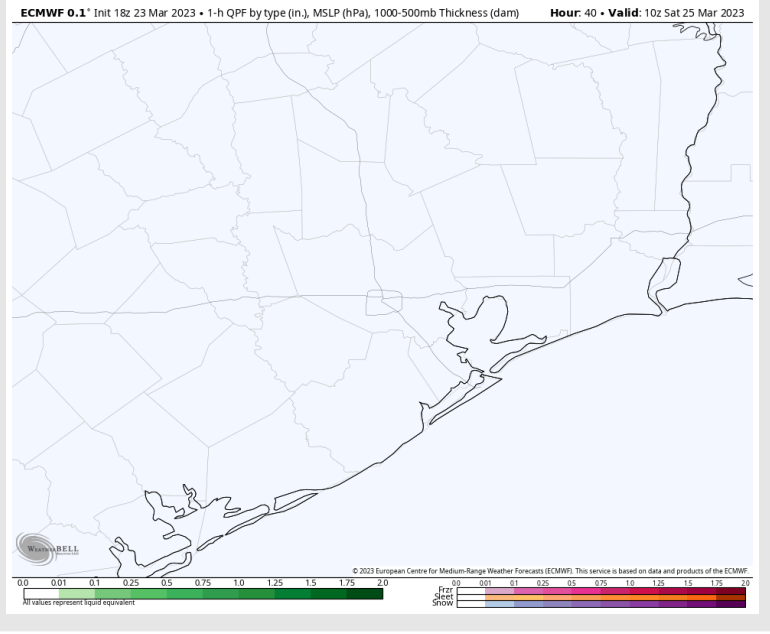
Houston Pilots: Sat. 3/25/2023



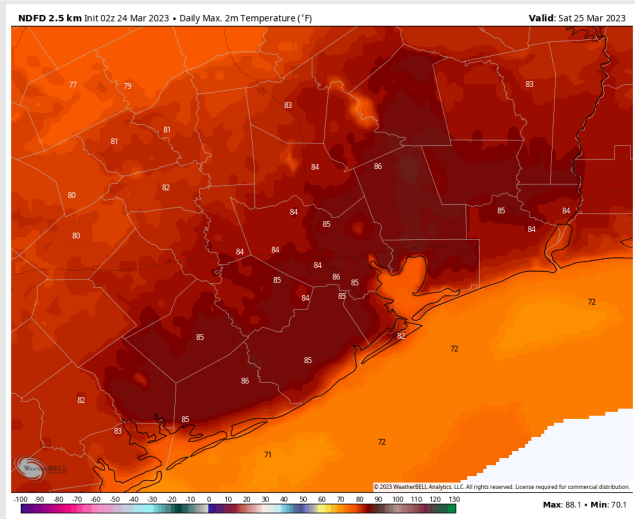
Forecast Discussion

- Precip:** Favoring dry conditions throughout the day Saturday.
- Wind:** Winds Saturday will start out of the SW until 6 AM, where they will be from out of the NW. Winds will then shift to the SE by 6 PM. Wind speeds through 4 AM will be at 9-15 kts. After 4 AM, winds will die down to being 3-8 kts for the rest of the day.
- Temps:** Anticipating high temperatures Saturday will be in the low 70s F near the boarding station and upper 70's/near 80 F for the other stations.
- Visibility:** More discussion of fog potential SAT AM on visibility slide.

Precip Forecast: 5 AM CT



Wind Speed
6 AM CT



High Temps
Saturday

Houston Pilots: Sun. 3/26/2023



Forecast Discussion

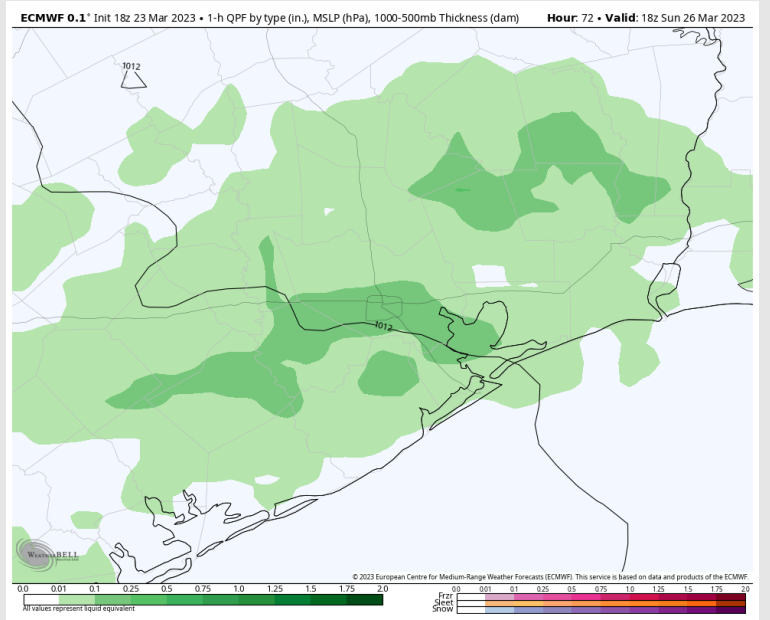
Precip: Favoring dry conditions until 8-9 AM CT Sunday. After 9 AM, favoring a 50-60% chance for showers/thunderstorms until 4 PM. After 4 PM, chances will drop to 20-30% for the rest of the day.

Wind: Favoring winds to be out of the SSE until around 5 AM CT when winds shift to out of the E until gradually shifting back to out of the SSE by 10 AM and remain that way for the rest of the day. Winds will be at 3-12 kts across all stations throughout the day Sunday.

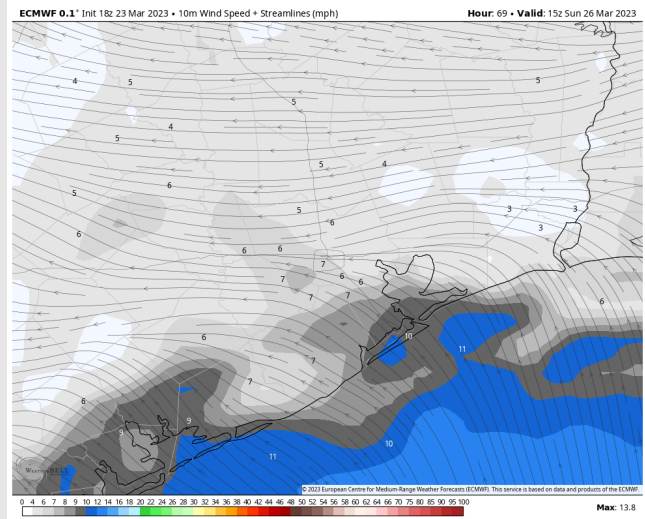
Temps: High temps Sunday will be in the low to mid 70s F across all stations.

Visibility: Winds out of the S accompanied by low level moisture keep sea fog risks in play, but very low confidence and potential.

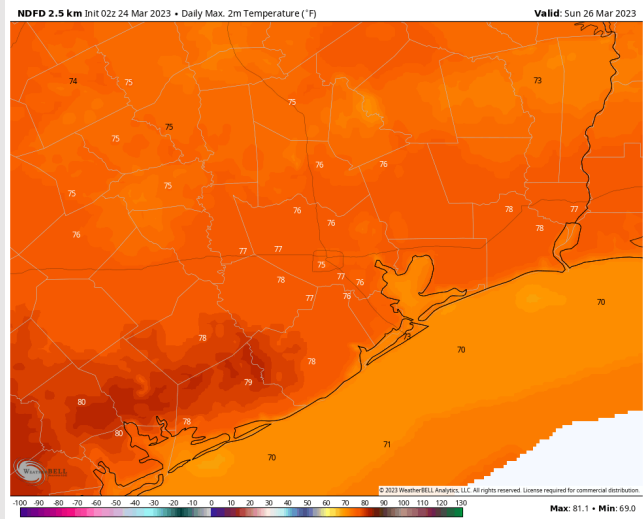
Precip Forecast: 1 PM CT



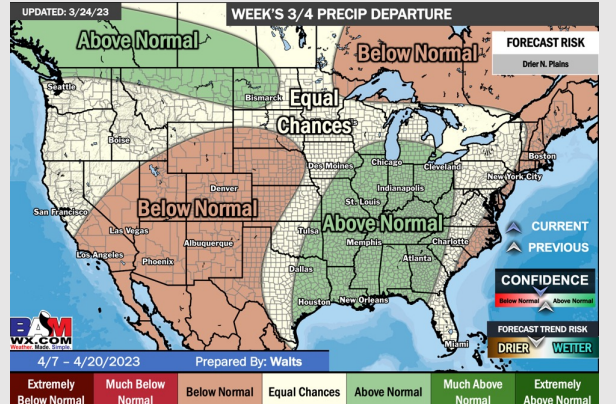
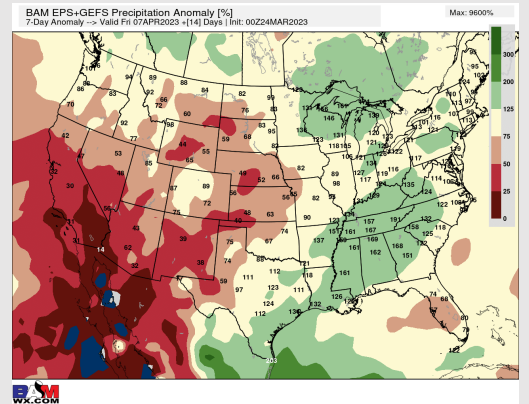
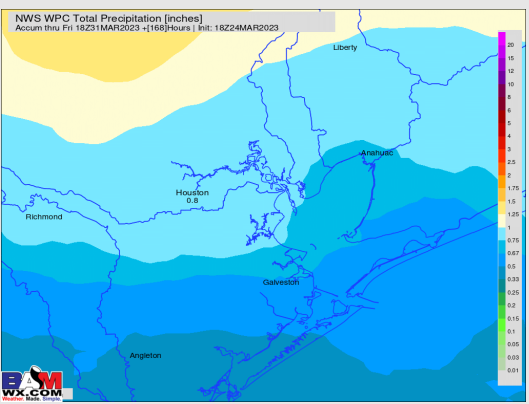
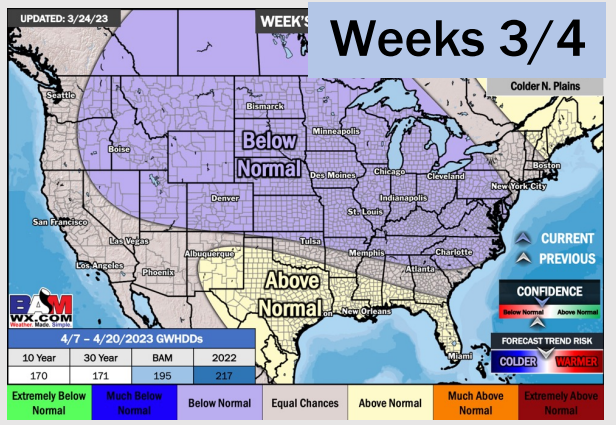
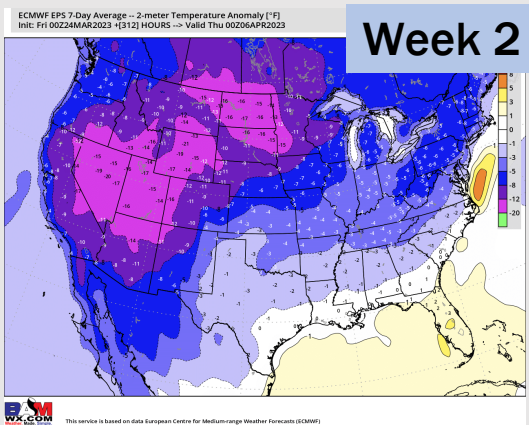
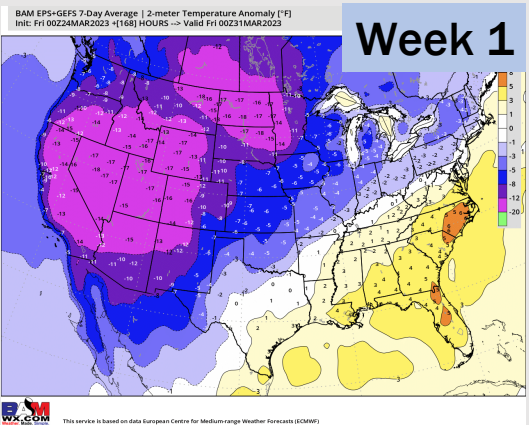
Wind Speed
10 AM CT



Low Temps
Friday AM



Houston Pilots: 3/24/23



- Rain chances expected early next week. Temperatures are expected to be slightly above normal over the next seven days.
- Expecting above normal precipitation chances and normal temperatures extending into the week 2 timeframe.
- Anticipating above normal temperatures and above normal chances for precipitation favored in the week 3/4 timeframe.