

# Houston Pilots Forecast Package



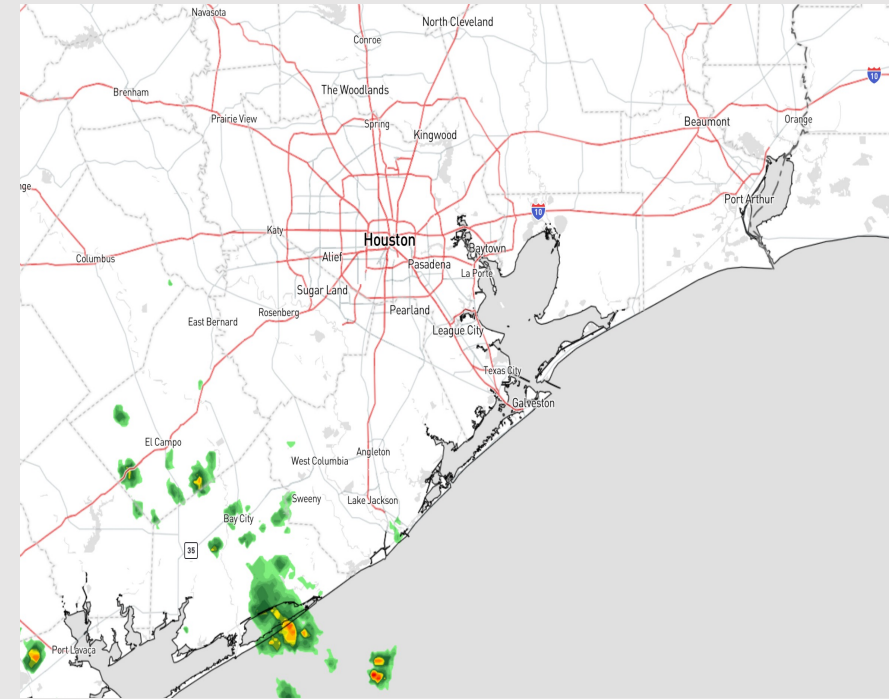
Updated: 1:15 PM CT

Wednesday, December 20, 2023

Forecaster: Matt Griffin

## Weather Headlines

- Winds do not look to be overly problematic the next few days. Would need to watch SUN for elevated winds as a front approaches the area.
- Some pesky chances for sea fog will be possible heading into the weekend. Confidence is lower than desired.
- Active weather is anticipated from SAT PM into MON AM.



**Radar/NWS Alerts: 1:15 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 Extended Range Visibility Report



## Saturday 12/23/23

SE winds on Saturday will allow for the potential for sea fog in between pockets of rain. Data is currently struggling to see the “lower visibilities” but the set up is there. SAT AM holds the best potential.



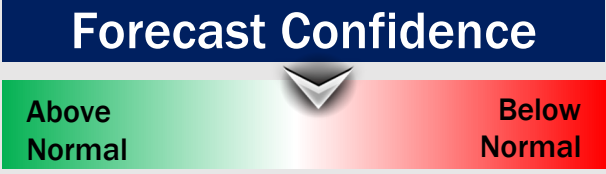
## Monday 12/25/23

Pending on how much rain falls, some pockets of fog cannot be fully ruled out despite a shift to more northerly winds. Threat on Monday is not as great as SAT/SUN.



## Sunday 12/24/23

Fog will once again be possible on Sunday but timing of pockets of heavy rain can complicate matters. Regardless, set up is there for potential sea fog. SUN AM holds the best potential.



## Chance for Fog

Saturday AM	Possible
Saturday PM	Possible
Sunday AM	Possible
Sunday PM	Possible
Monday AM	Unlikely
Monday PM	Unlikely

# Houston Pilots Visibility Chart (miles)



Time	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm	Fri 12am			
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	9		
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	9		
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	9		
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	8		
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	8		
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	7		
Morgans Point	10	10	10	10	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	7		
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7		
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	7	7	7

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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	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am	Thu 6am	Thu 7am	Thu 8am	Thu 9am	Thu 10am	Thu 11am	Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm	Thu 4pm	Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm	Thu 9pm	Thu 10pm	Thu 11pm	Fri 12am
610 Bridge	9	9	8	8	7	7	7	6	6	6	5	6	4	5	6	6	6	6	6	6	7	7	8	7	7	7	7	7	7	7	6	6	5	5	5	
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Kinder 1	9	9	8	8	7	6	7	6	6	6	5	5	6	4	5	6	6	6	6	6	6	7	8	7	7	7	7	7	7	6	6	5	4	5		
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Greens Bayou	8	9	8	8	7	5	6	6	6	6	5	5	6	4	4	6	6	6	6	6	6	7	8	7	7	7	7	7	7	6	5	5	4	5		
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Shell Crude	8	9	8	8	7	5	6	6	6	6	5	5	5	4	4	6	6	6	6	6	6	7	8	8	7	7	7	7	7	6	6	5	5	5		
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Morgans Point	7	8	7	7	7	7	8	8	8	7	7	6	7	6	9	9	9	9	9	9	9	9	9	8	8	8	9	9	9	9	8	7	7	6		
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1 & 2 Bravo	11	13	13	13	13	14	14	15	14	14	13	14	12	11	10	13	14	13	14	14	14	14	14	14	13	12	12	13	13	13	13	12	11	11	11	
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# Houston Pilots: Wed. 12/20/2023



## Forecast Discussion

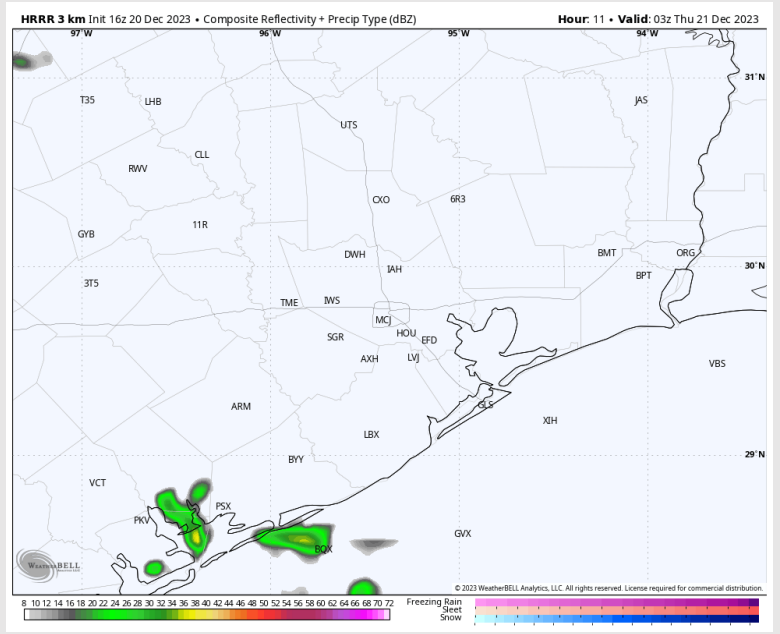
**Precip:** Based off latest radar/ data trends, we are currently favoring dry conditions through the day. A very low-end risk of drizzle exists towards midnight (less than 10%). Currently favoring light moisture to stay JUST west of our stations.

**Wind:** Winds will be out of the SE/ESE for the rest of the day. **N of Morgan's Point:** Winds will gradually wane after 4 - 5 PM, calming down to 7 - 13 knots sustained by 9 PM. **S of Morgan's Point:** Winds will steadily pick up towards the boarding station becoming sustained around 13- 17 knots with gusts near 23 knots towards the boarding station by 10 PM. By 10 PM, between the boarding station and Morgan's Point, winds will be sustained around 9 - 14 knots with gusts near 20 - 22 knots.

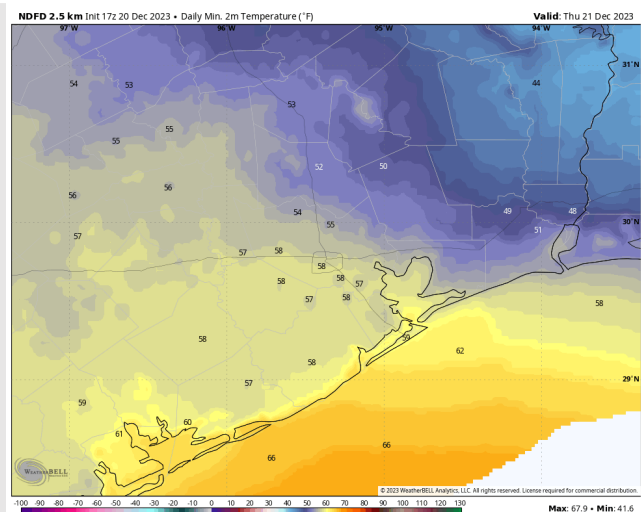
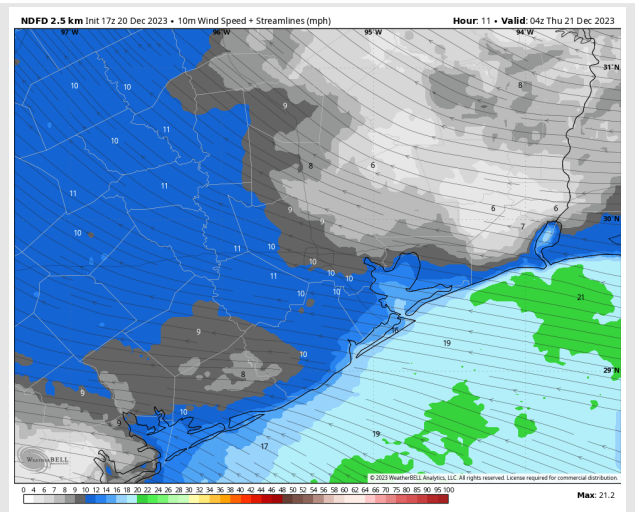
**Low Temps:** **N of Morgan's Point:** Mid 50's F. **S of Morgan's Point:** near 60 F.

**Visibility:** Conditions are close for potential sea fog into tomorrow AM. However currently not favoring it. We will need to monitor trends closely this evening.

## Precip Image: 9 PM CT



Wind Speed:  
10 PM CT



Low Temps  
THU

## Forecast Discussion

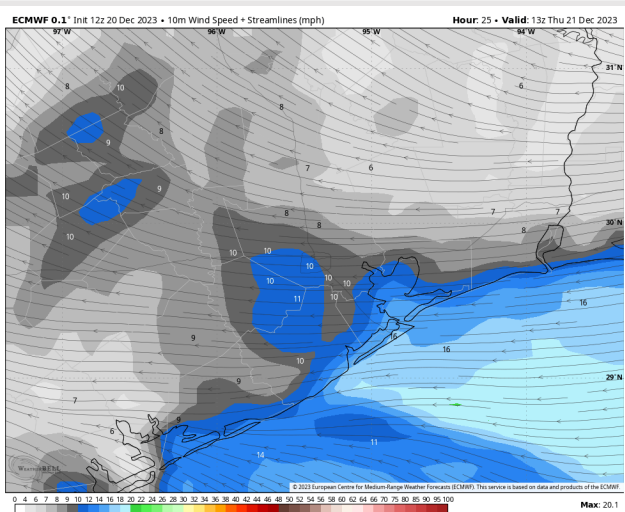
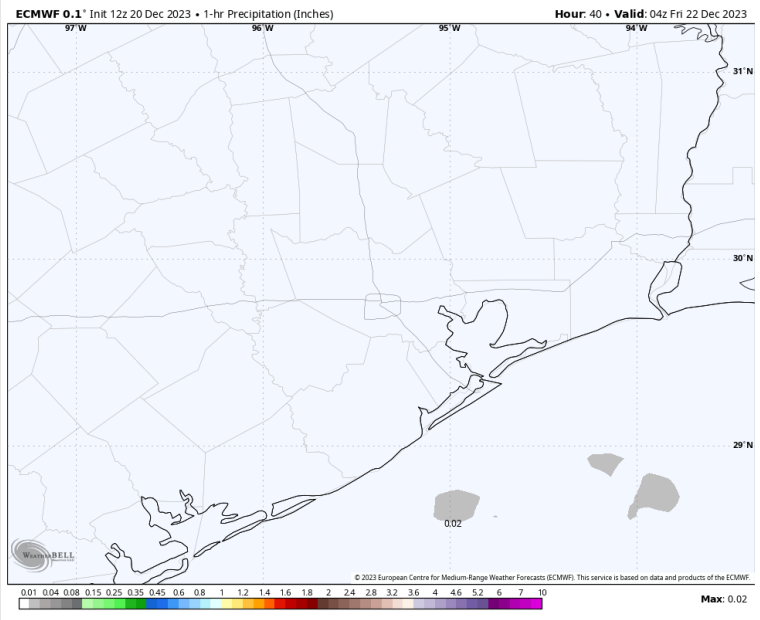
**Precip:** Currently favoring a dry day on THU. Minor chances will be possible around midnight with better chances into FRI AM.

**Wind:** SE winds being to shift out of the east in the AM where they will remain through most of the day. Around after 9 PM, winds will begin to take a more ESE orientation. **N of Morgan's Point:** Winds will weaken into the morning becoming sustained around 4 – 8 knots by 7 – 8 AM. Winds will steadily climb into the afternoon, becoming sustained around 7 – 12 knots by 2 PM. Winds calm down after 6 PM into the evening getting back to 4 – 8 knots sustained. **S of Morgan's Point:** Winds will steadily weaken slightly to 13 – 16 knots by 11 AM. Into the afternoon, sustained winds near 11 – 14 knots sustained will be possible where they will continue to remain through the evening. Gusts near 17 knots will be possible in the afternoon.

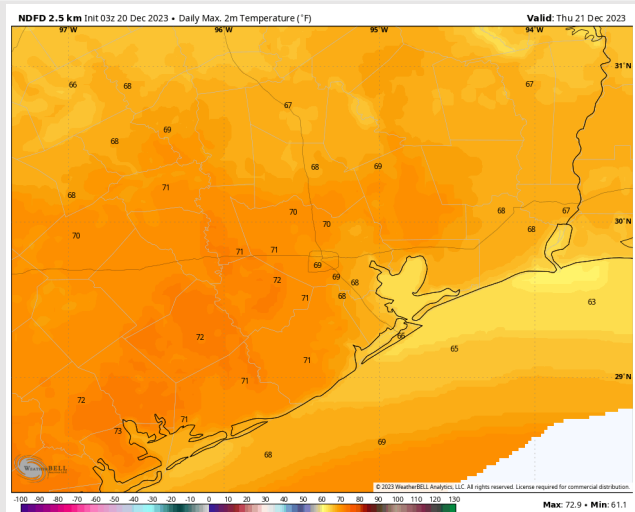
**High Temps:** **N of Morgan's Point:** Near 70 F. **S of Morgan's Point:** Mid 60s F

**Visibility:** As mentioned in the previous slide, any type of fog mention would be made with extreme low confidence for THU AM. Elevated winds should mitigate this threat but will be monitoring trends closely this PM. A slightly better set up for sea fog will be in play mainly into FRI AM. Once again, confidence remains low.

## Precip Image: 10 PM CT



**Wind Speed:  
7 AM CT**



**High Temps  
Thursday**

# Houston Pilots: Friday. 12/22/2023



## Forecast Discussion

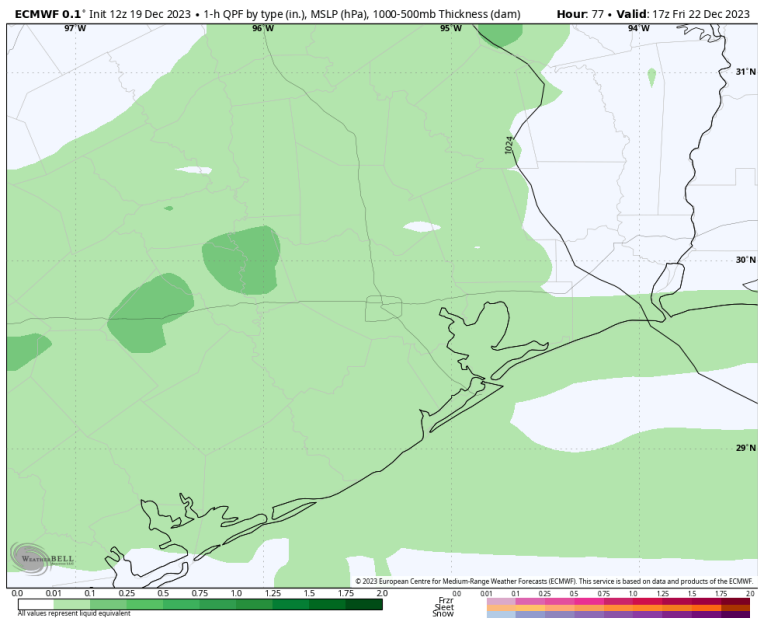
**Precip:** Data continues to slow down slightly with main precipitation/ front on Friday with slightly lower confidence. Spotty showers will be possible after 4 AM on Friday with scattered showers/ storms on Friday afternoon (40%). Overall risk given trends is for precipitation to delay until later.

**Wind:** Sustained winds will be out of the SE throughout the day Friday. **N Morgan's Point:** 5 - 10 kts throughout much of the day Friday. **S of Morgan's Point:** Winds will start out at 9-14 kts before decreasing to 6 - 11 kts throughout the rest of the day.

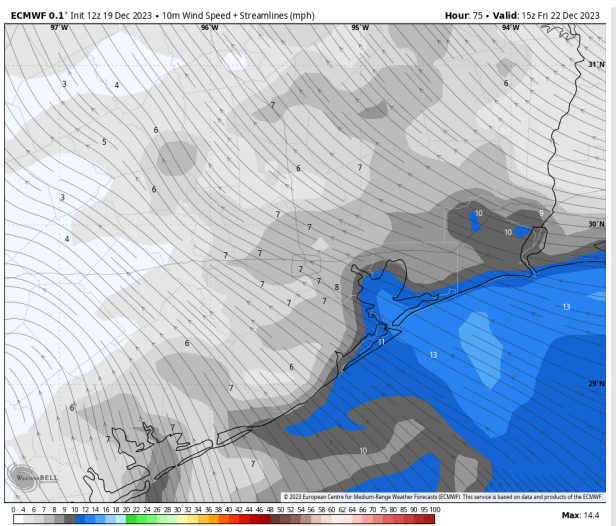
**High Temps:** **N of Morgan's Point:** High 60s to 70s F **S of Morgan's Point:** Mid 60s F

**Visibility:** The main point of contention with is a low confidence fog forecast into FRI AM. As winds weaken from the east on FRI AM, potential sea fog can set up, especially from 1 AM - 10 AM. Additional bouts of sea fog will be possible late FRI into SAT AM as well. While the set up is there for potential sea fog, the data itself is not showing the "low visibilities" hence the lower confidence in the forecast.

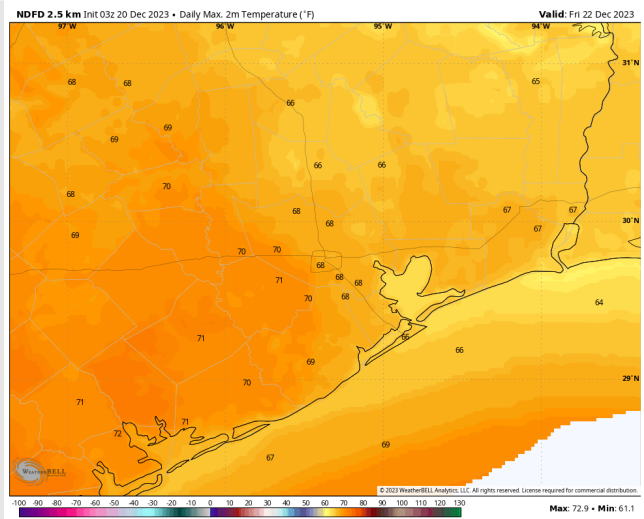
## Precip Image: 11 AM CT



Wind Speed:  
9 AM CT

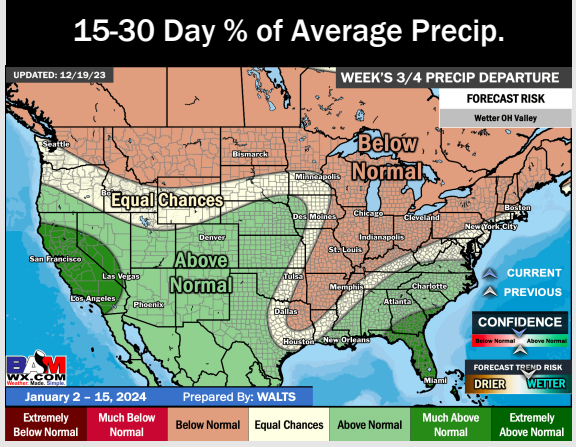
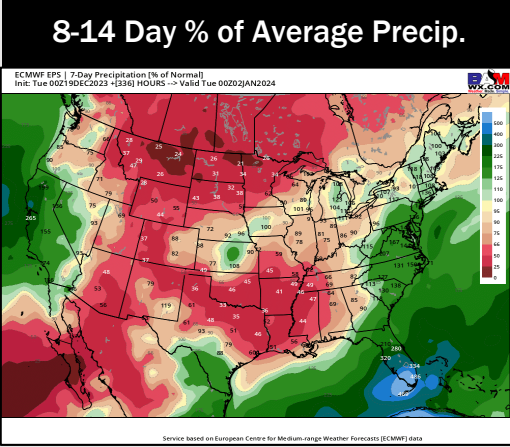
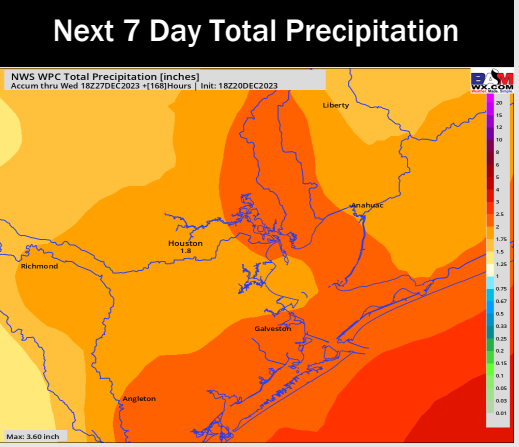
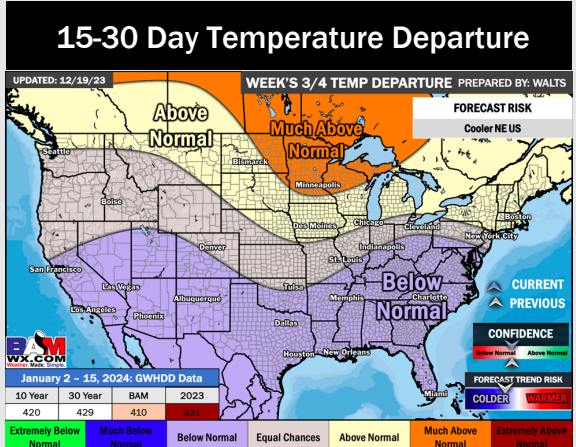
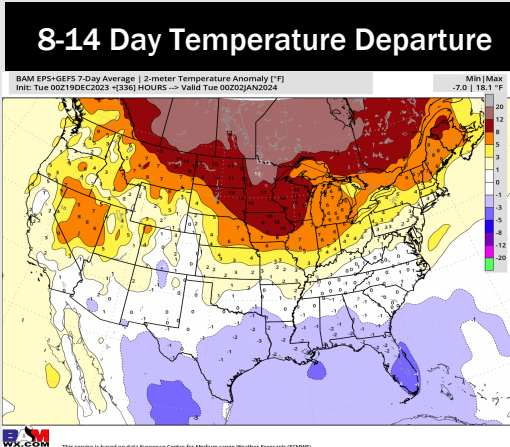
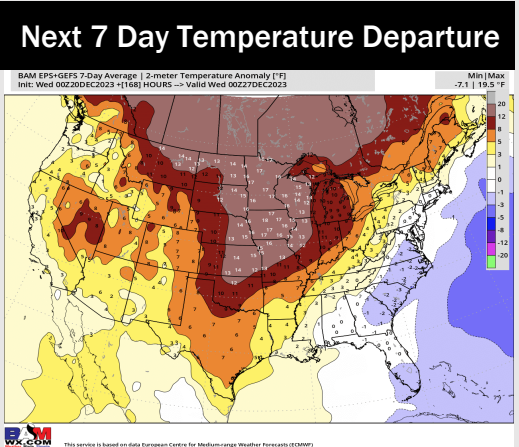


High Temps  
Friday





# Houston Pilots: 12/20/23



- SAT evening through MON AM will offer up widespread, and at times heavy, rainfall opportunities. Above normal temperatures are expected until colder air fill behind a cold front after Monday.
- Slightly below normal precipitation and slightly below normal temperatures are expected into the week 2 timeframe.
- Below normal temperatures and near normal chances for precipitation are favored in the weeks 3/4 timeframe. There is a risk this can trend wetter given an active subtropical jet.