

# Houston Pilots Forecast Package



Updated: 5:00 AM CT

Tuesday, February 21, 2023

Forecaster: Vince Bryan

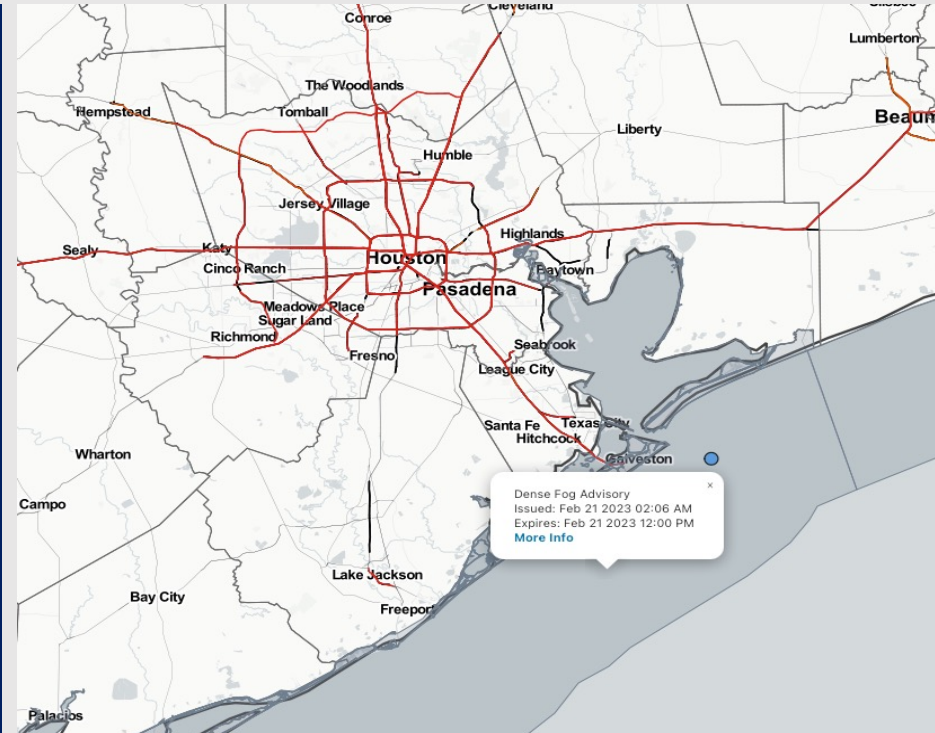
## Weather Headlines

➤ Multiple days of sea fog being possible (including today) moving forward as winds will be generally from the south. Check the visibility slides for updated thoughts on fog.

➤ Isolated shower chances on the order of <30% are expected through at least mid-week. This looks like a rather low-end risk.

➤ Winds will continue primarily out of the south (with variations to SW) over the coming days. A weak front tries to work in Thursday, but likely struggles to change wind direction.

➤ Wave heights of 5-7 feet will be possible after ~9 AM Wednesday through 6 PM.



Radar/NWS Alerts: 5:00 AM CT



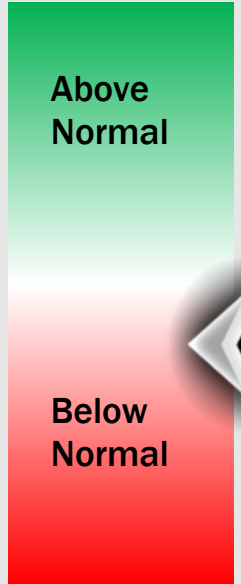
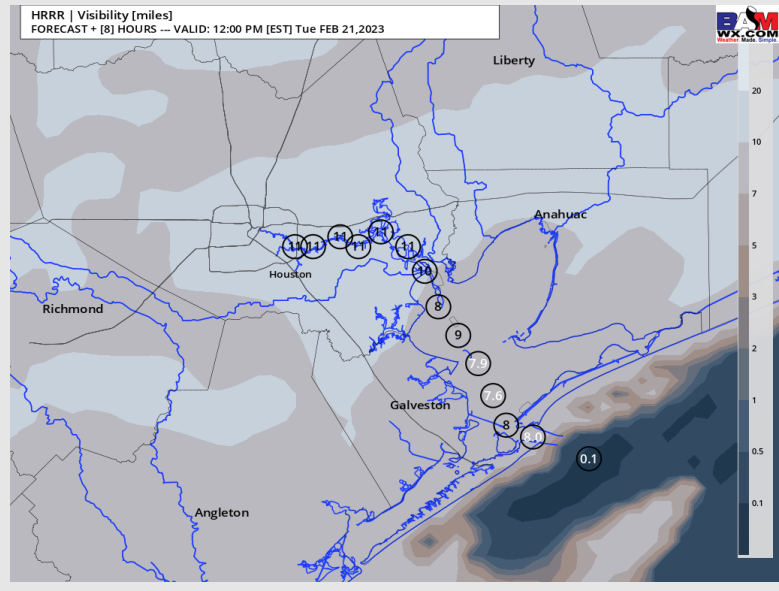
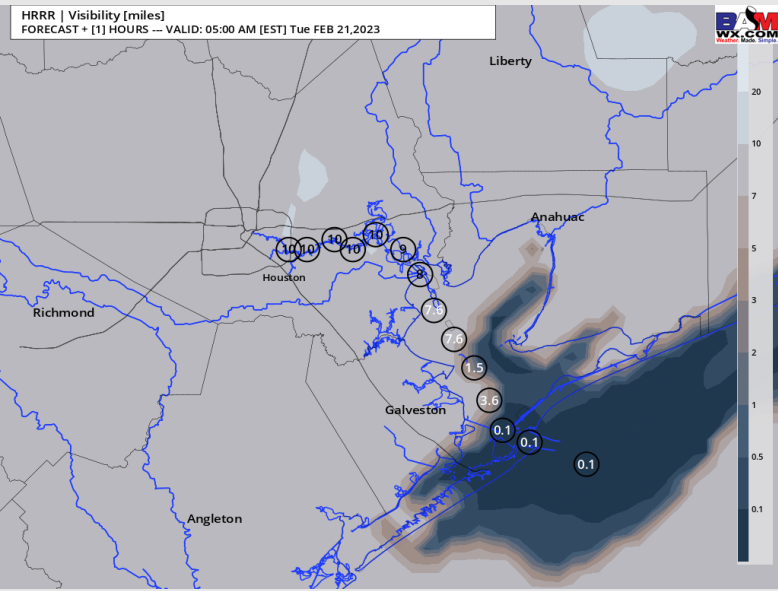
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 5 AM CT TUE VISIBILITY      11 AM CT TUE VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 2 PM TUES	Medium - High

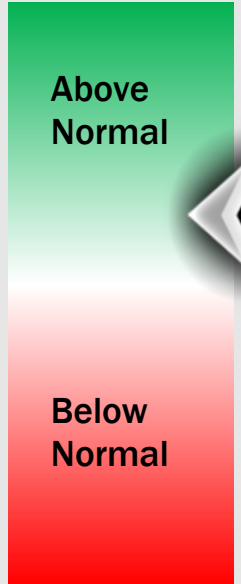
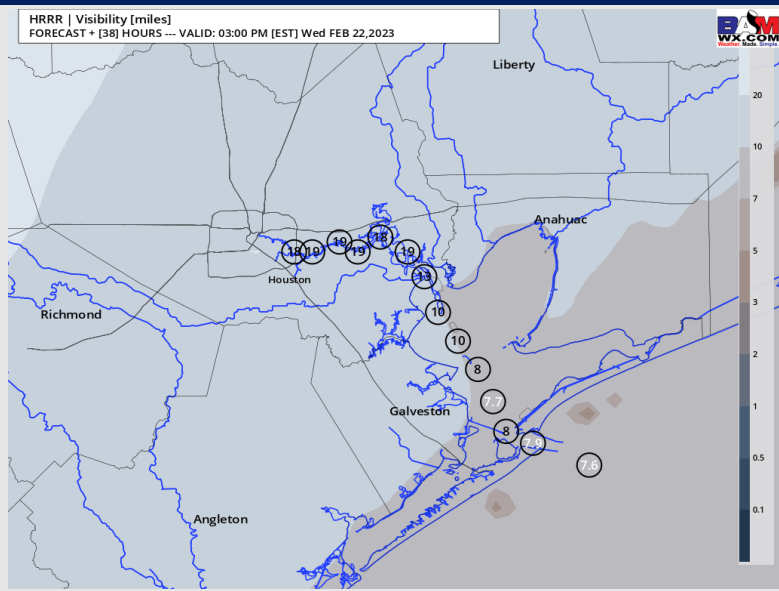
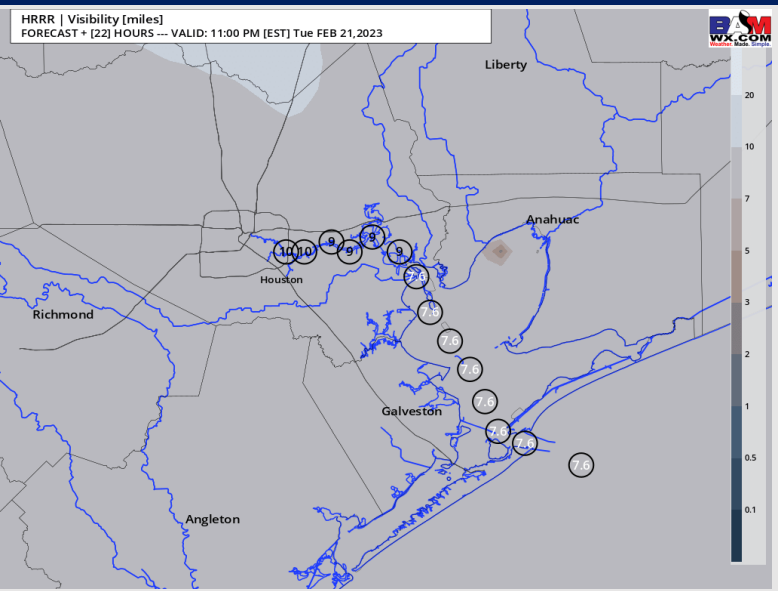
- Sea fog for parts of the Galveston Bay and at the boarding station are likely to continue through the morning hours.
- Current thinking is that fog south of ~37/38 will continue to be possible now through at least Noon. Fog of less than 1 mile in those areas will continue to be possible. While there could be brief breaks here and there this AM, between 12-2 PM, is when we believe fog/ few mile visibility can slowly improve. With that said, right now favoring closer to ~3 PM for the winds to turn a bit more out of the S vs SW and should allow visibilities to be not be much of a concern.
- Given the winds from the SW, the boarding station will be the location at the highest risk to continue to see fog/ visibility under 1-2 miles this AM.

# Houston Pilots Visibility Report



## 10 PM CT TUE VISIBILITY      2 AM CT WED VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
3 PM TUE - 6 AM WED	Low - Medium

- Some lower confidence exists between 3-8 PM to where as it stands now, sea fog is not favored even though some data would suggest it is at least possible. This would at least be a risk period to watch.
- Into the evening hours tonight, fog is not favored as winds will be out of a slightly less favorable direction and they will be slightly elevated, 2 factors going against fog.
- We will certainly watch this window closely, but the call for now is to keep fog out of the forecast for this evening.
- Fog risks likely work back into the picture Wednesday evening near sundown as weaker winds set in.

# Houston Pilots Extended Range Visibility Report



## Friday 2/24/23

SSE winds will be possible for Friday, keeping sea fog risks valid yet again.



## Saturday 2/25/23

SE winds will be possible for Saturday, allowing for sea fog risks to be valid yet again.



## Sunday 2/25/23

S – SE winds will be possible for Sunday, keeping sea fog risks valid once again.



## Chance for Reduced Visibility

Friday AM	Possible
Friday PM	Possible
Saturday AM	Possible
Saturday PM	Possible
Sunday AM	Possible
Sunday PM	Possible

# Houston Pilots Visibility Report



Refer to the slides above for the official BAM forecast. The chart may is likely not perfect.

Time	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	
610 Bridge	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	7	10	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Kinder 1	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Greens Bayou	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Shell Crude	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Lynchburg Ferries	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Exxon 3	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	10	8	9	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	
Morgans Point	10	10	8	6	6	8	10	10	10	10	10	10	10	10	10	10	9	8	8	10	10	10	10	9	10	10	10	8	8	10	10	10	10	10	10	10	
75/76	10	10	8	6	6	7	10	10	10	10	10	10	10	10	10	10	8	8	8	10	10	10	10	8	10	10	10	8	8	10	10	10	10	10	10	10	
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1 & 2 Bravo	0.77	0.53	0.48	1	0.24	3	6	7	8	8	8	8	6	6	5	6	8	8	8	8	8	8	8	8	8	8	9	8	8	8	7	7	7	7	7	7	

# Houston Pilots Wind Report



**Example**

Sustained wind 13 Knots

Gusts 18 Knots

Wind from the N

WS: 13  
G:18  
N

Time Knots	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm
610 Bridge	9	8	9	8	8	9	9	10	11	11	11	11	11	11	11	18	18	19	19	20	20	21	21	22	23	22	22	24	25	25	24	22	22	19	16	14
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Kinder 1	9	8	9	8	8	9	9	10	11	11	11	11	11	11	11	18	17	19	19	20	21	21	22	23	22	21	24	24	25	24	22	21	19	16	14	
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Greens Bayou	9	8	8	7	8	9	10	10	11	11	11	11	11	11	11	17	17	19	19	20	21	21	22	23	22	21	23	23	24	24	22	21	19	16	14	
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Shell Crude	9	8	8	7	8	9	9	10	11	12	11	11	11	11	11	17	17	18	18	19	19	21	21	21	23	21	20	22	23	24	24	22	21	19	16	14
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Lynchburg Ferries	8	8	8	6	8	9	9	9	11	11	11	11	11	11	11	17	17	18	17	18	19	20	20	21	22	21	20	21	22	23	23	22	21	19	16	14
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Exxon 3	7	7	7	6	7	8	9	9	10	11	11	11	11	11	11	16	16	17	16	17	18	19	19	20	21	20	19	20	21	23	22	21	20	19	16	15
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Morgans Point	7	7	7	6	7	8	8	9	10	11	11	11	10	11	12	11	16	16	16	16	17	17	18	19	20	20	19	20	21	23	22	21	20	19	17	15
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1 & 2 Bravo	10	10	10	8	6	4	6	7	8	9	9	8	9	9	9	16	16	16	17	18	18	18	19	21	20	19	20	21	23	24	22	20	19	18	16	15
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# Houston Pilots: Tue. 2/21/2023



## Forecast Discussion

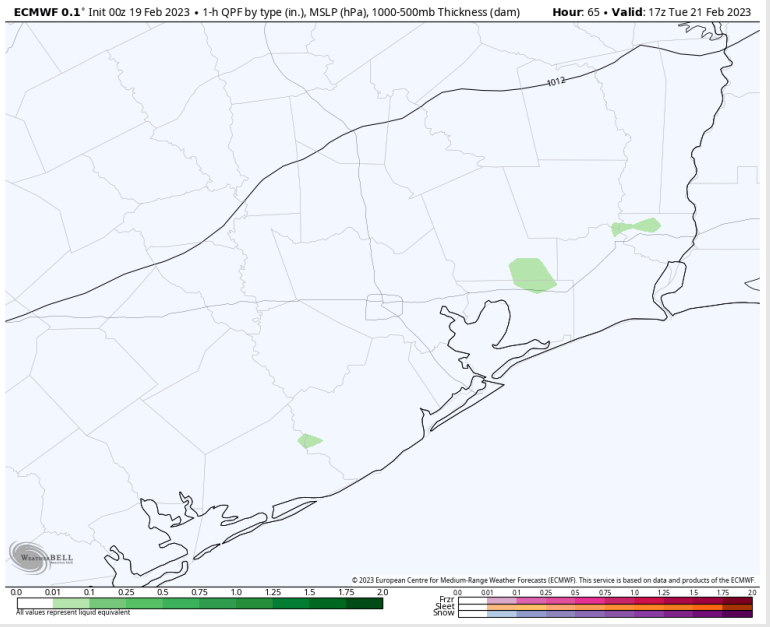
**Precip:** Anticipating dry conditions with a 20% chance for a passing shower between 3 PM – 7 PM.

**Wind:** Sustained winds will be from the SW on Tuesday, shifting more southerly by 4 PM. Winds across all stations will be around 10 – 15 kts. Towards 5 PM, winds will increase slightly at 11/12 and the Boarding Station at 13 – 18kts. A few gusts of 15-20 knots will be possible through the day at the boarding station.

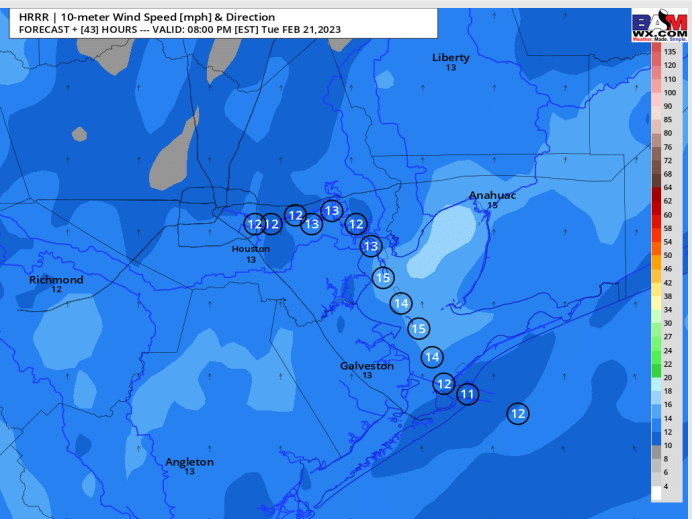
**Temps:** High temperatures will be in the low 80s F north of Morgan’s Point and in the mid to upper 70s F south of Morgan’s Point. Temps towards 11/12 and the Boarding Station will be in the mid to upper 60s F.

**Visibility:** More on the slides above regarding fog today.

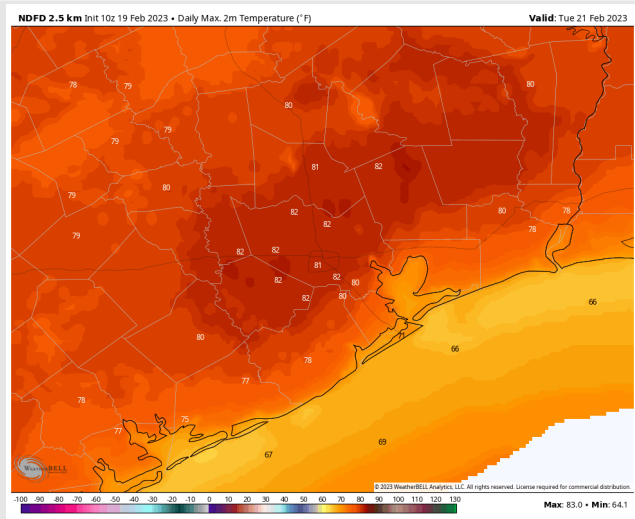
## Precip Forecast: 11 AM CT



## Wind Speed Forecast



Wind Speed  
4 PM CT



High Temps  
Tuesday

## Forecast Discussion

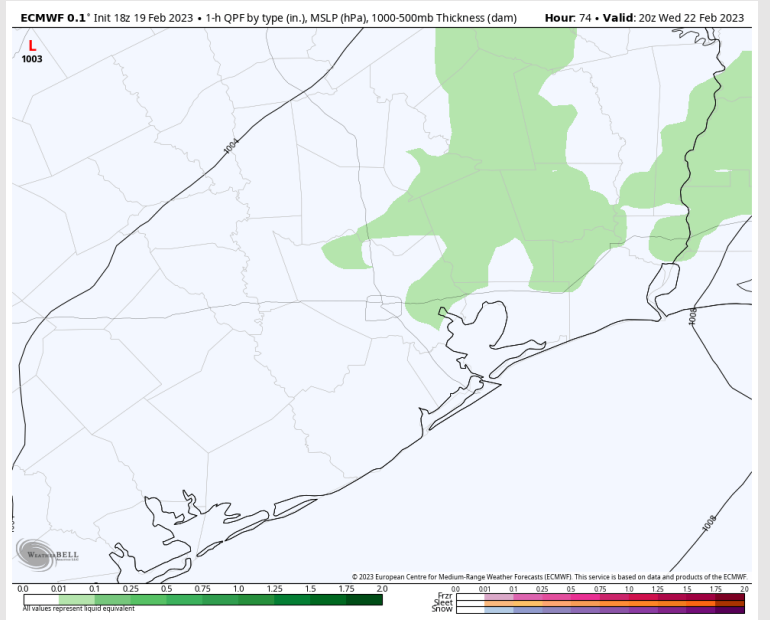
**Precip:** Anticipating dry conditions Wednesday with 10-20% chance of a stray passing shower between 12 – 5 PM.

**Wind:** Sustained southerly winds throughout the day Wednesday. Winds north of Morgan's Point will be at 10 – 14 kts and winds south of Morgan's Point will be at 14-19 kts until 9 AM. After 9 AM, winds at all stations will increase to 15-20 kts until 3 PM. Winds will gradually decrease to 8-13 kts for all stations and stay that way into the overnight.

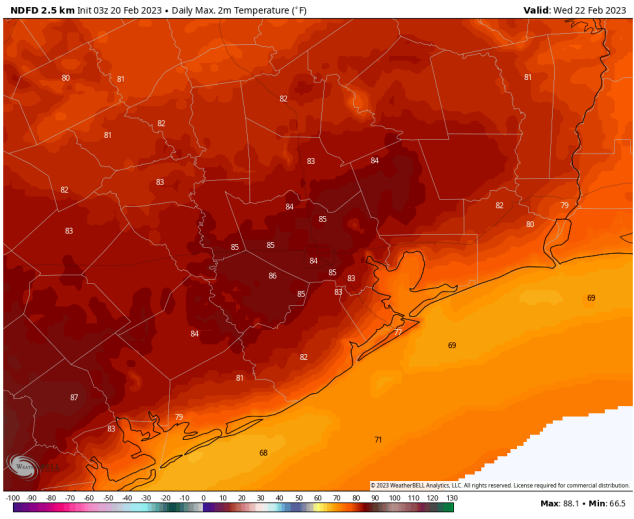
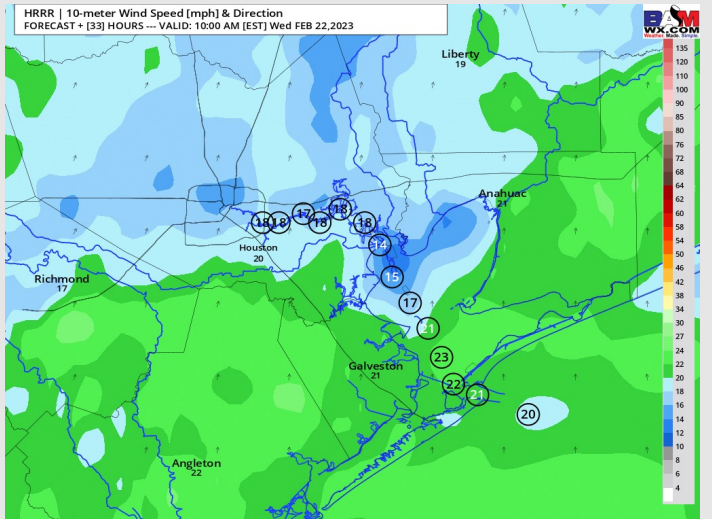
**Temps:** High temperatures Wednesday will be in the mid to low 80s north of Morgan's Point and in the upper 70s F south of Morgan's Point.

**Visibility:** Not anticipating sea fog threat due to elevated winds in the AM hours. **Wednesday evening however holds much better potential for fog to work back in.**

## Precip Forecast: 2 PM CT



Wind Speed  
9 AM CT



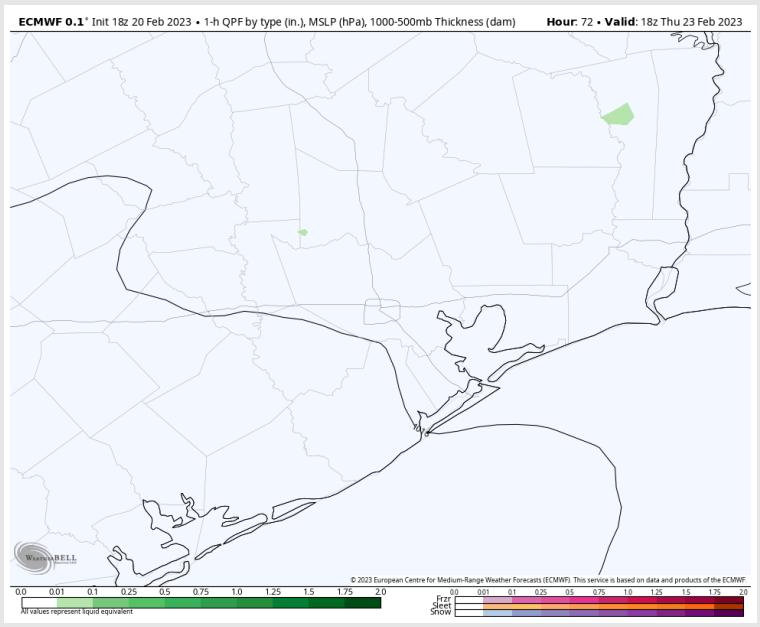
High Temps  
Wednesday



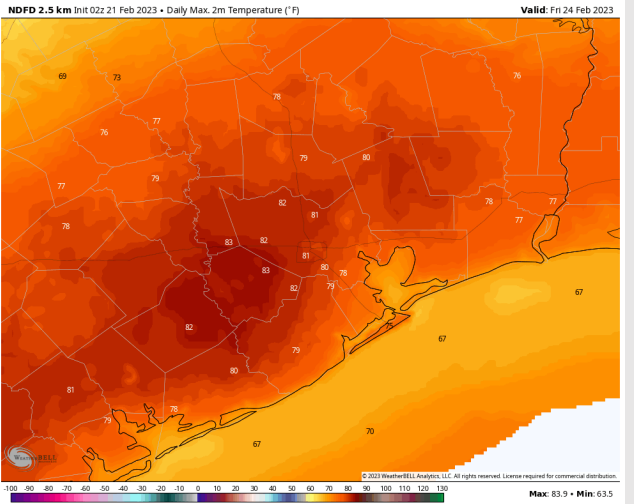
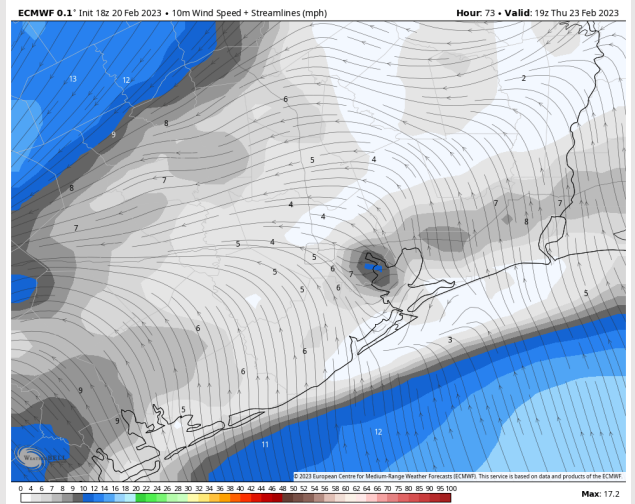
## Forecast Discussion

- Precip:** Favoring dry conditions Thursday.
- Wind:** Winds will be S – SE throughout the day. Winds north of Morgan’s Point will be at 5 – 10 kts and winds south of Morgan’s Point will be at 10 – 15 kts until 12 PM. Between 12 – 3 PM, winds become variable for all stations as a weak front moves through the channel from the north. After the weak front moves through, winds return to the original ranges from the AM for the rest of the evening.
- Temps:** High temperatures Thursday will be in the upper 70s north of Morgan’s Point and mid to lower 70s south of Morgan’ Point.
- Visibility:** A bit too far out for specifics, but eying chances of lowered visibilities Thursday PM with winds coming onshore.

## Precip Forecast: 4 PM CT

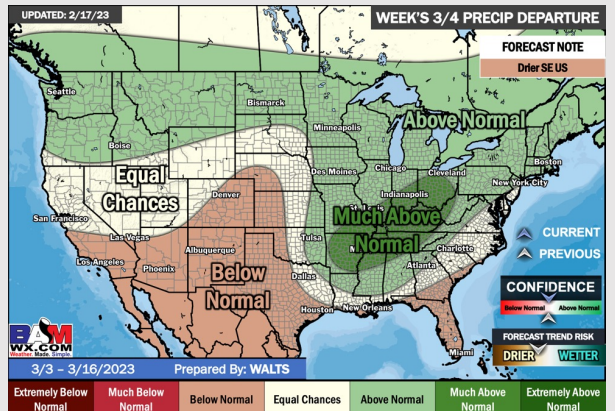
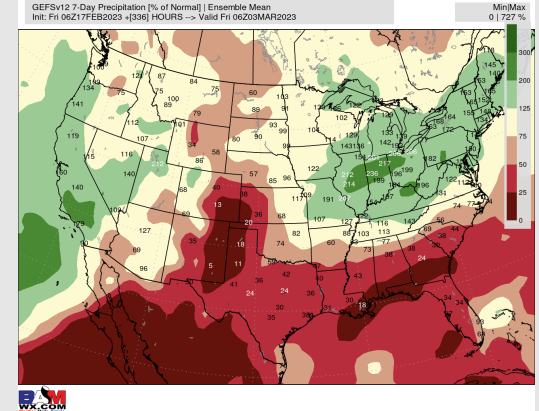
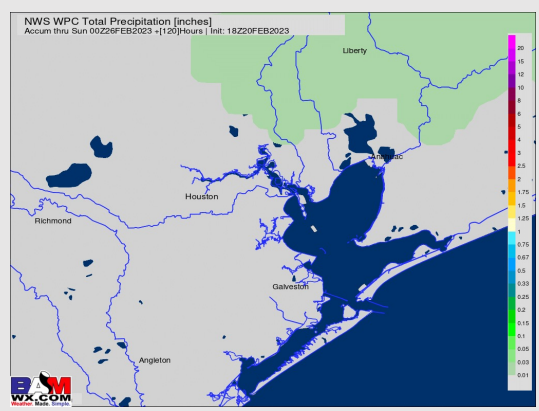
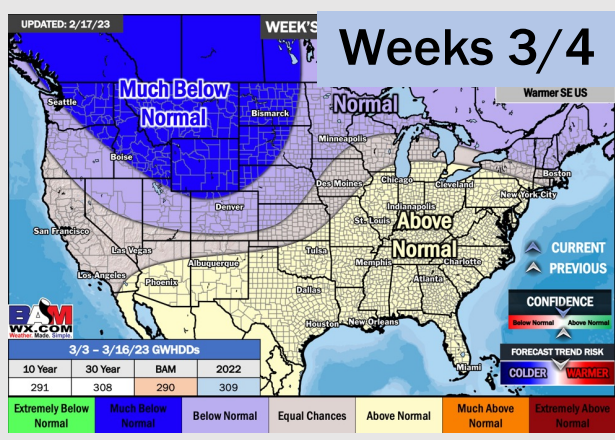
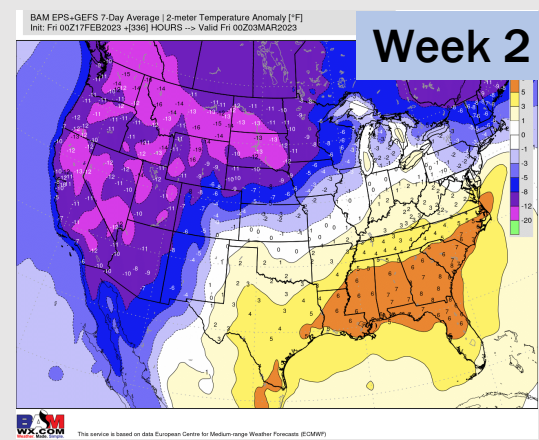
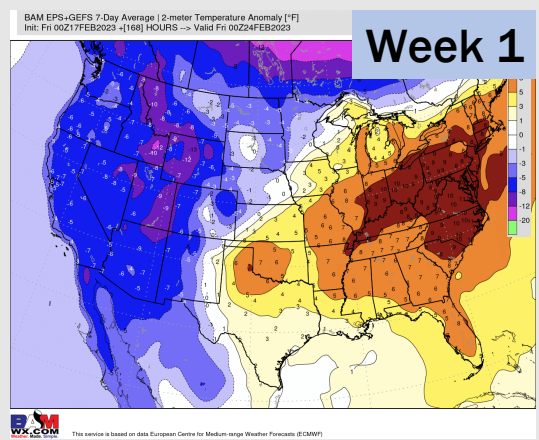


Wind Speed 1 PM CT



High Temp Thursday

# Houston Pilots: 2/21/23



- Daily, isolated rain chances will be around for much of the week. These are low end chances with totals staying rather low. Temps expected to stay above average.
- Expecting below normal precipitation chances and above normal temperatures for the week 2 timeframe.
- Below normal chances for precipitation and above normal temperatures favored in the week 3/4 timeframe.