

# Houston Pilots Forecast Package



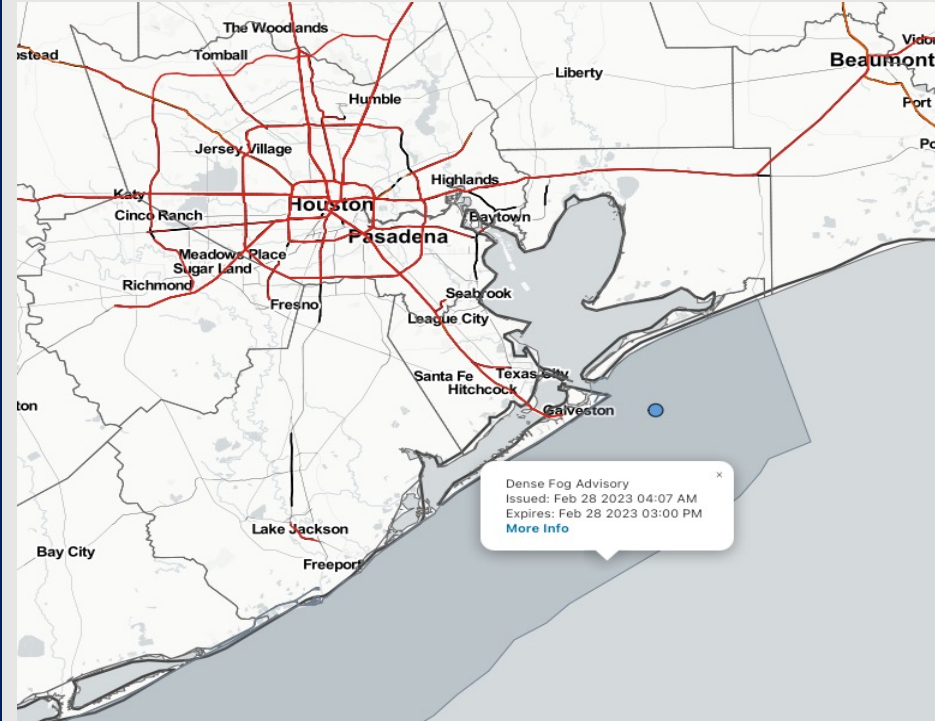
Updated: 5:00 AM CT

Tuesday, February 28, 2023

Forecaster: Vince Bryan

## Weather Headlines

- Fog is expected to slowly lift during the late AM to early PM hours today. Check the visibility slides for more details. Daily fog chances will be on the table through Thursday before a strong cold front works through and wipes fog chances out by Friday.
- Isolated shower chances on the order of <20% are expected throughout the week.
- Highest risk of seeing waves at/just above 6-8+ feet comes late Thursday afternoon through daybreak Friday. This will be because of strong Southerly winds.
- Thursday looks to hold particularly strong sustained winds in the 15 – 20 kt range with gusts of up to 30 kts possible. As the cold front arrives late THU PM/Early FRI AM, gusts could be as high as ~40 kts.



Radar/NWS Alerts: 5:00 AM CT



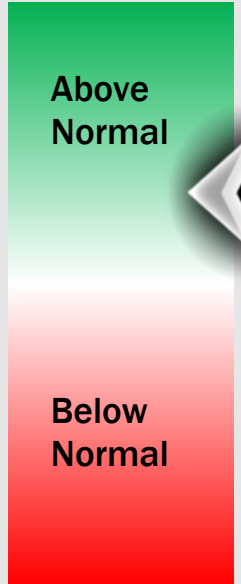
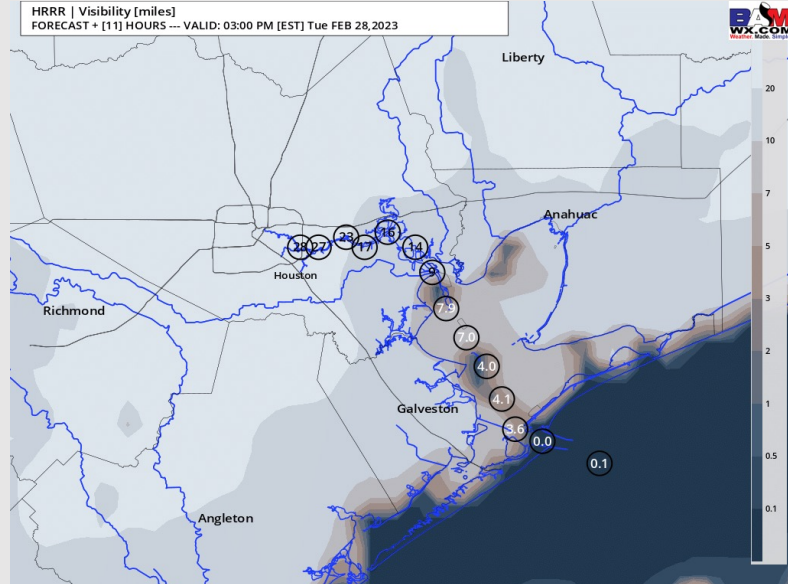
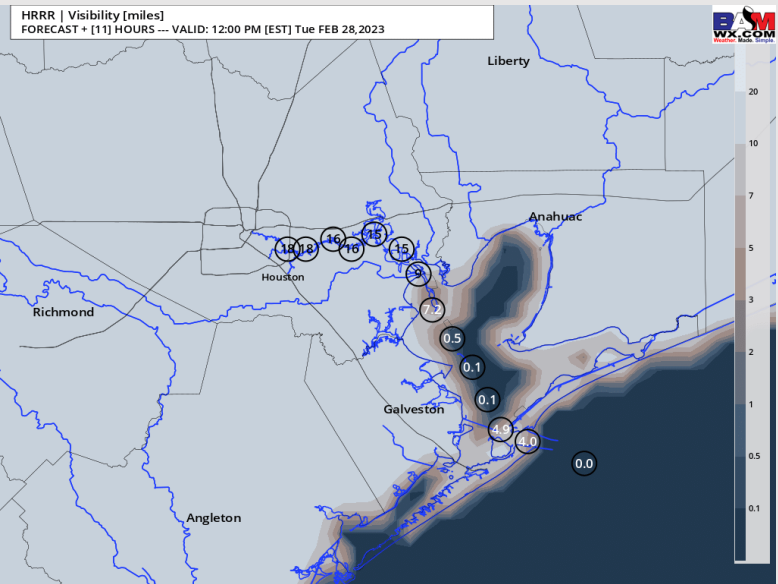
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 11 AM CT TUE VISIBILITY      2 PM CT TUE VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 3 PM TUE	High

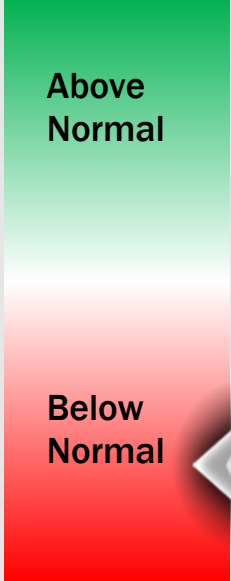
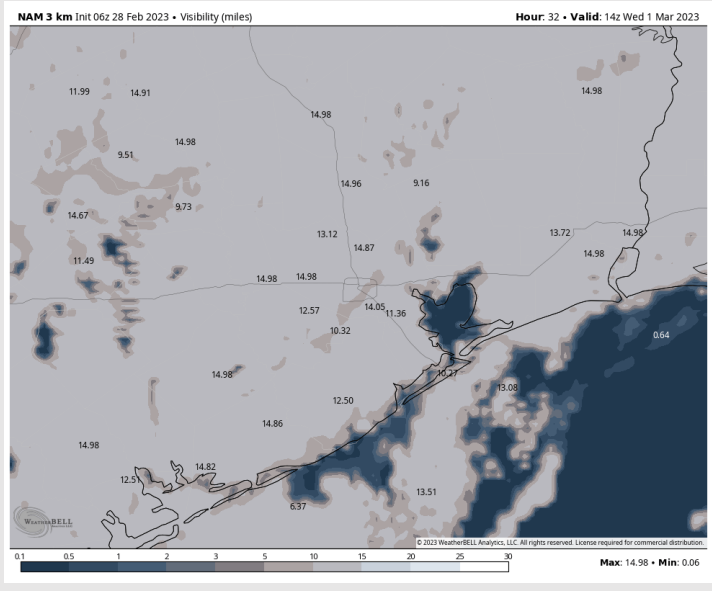
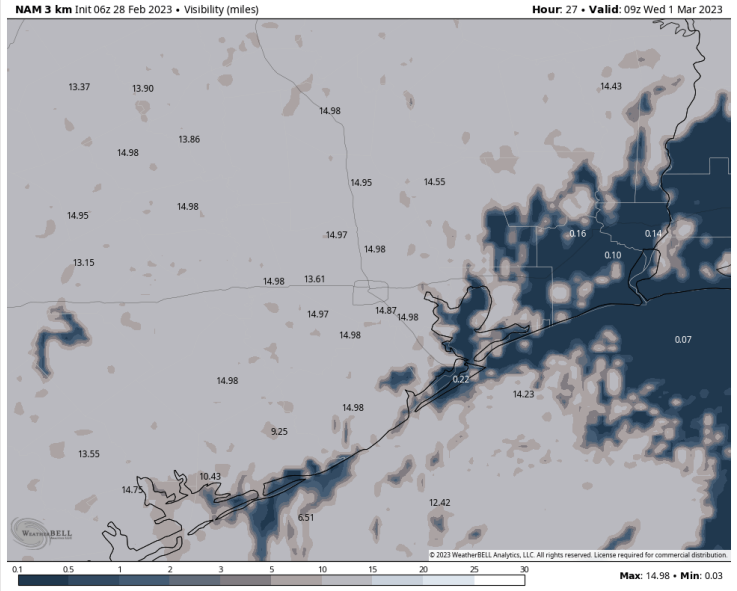
- Areas of dense fog will be ongoing over the next few hours, with best chances of seeing lingering dense fog <2 miles at stations south of 11/12.
- From the 8 - 10 AM timeframe, any isolated areas of fog that are North of Morgan's Point would be lifting and would not be much of a concern.
- Stations south of Morgan's Point and North of 11/12 would see any patchy fog lift between 11 AM - 1 PM. This area is most likely to have varying visibilities given the patchy nature of things.
- South of 11/12 will continue to run the highest risks of seeing the most widespread and dense fog lingering into the early PM hours. Visibilities of less than 1 mile will be possible, with the best risk of fog lifting comes between 1-3 PM .

# Houston Pilots Visibility Report



## 6 AM CT WED VISIBILITY      10 AM CT WED VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
12 AM WED – 12 PM WED	Medium

- Lower than average confidence on the Wednesday AM fog threat. This threat is lower than the ongoing fog threat.
- There are several pieces of data not hinting at fog tomorrow (with the better threat coming Wed night- Thu AM which we agree with).
- With that said, we do believe patchy fog is at least possible for stations South of Morgan’s Point developing as early as midnight and lingering in an on/off nature through 10A – Noon.
- Details will certainly need refined on this threat. Once again, best overall chances for dense fog sits at the boarding station.

# Houston Pilots Extended Range Visibility Report



## Friday 3/3/23

Rather strong northwesterly winds (10 -20 kts) on Friday will make fog threats highly unlikely.



## Saturday 3/4/23

Fog is not likely on Saturday as drier air will still be around from the front that will pass through late Thursday/early Friday.



## Saturday 3/4/23

Easterly winds will be possible on Sunday and could veer more from the SE during the PM hours. Late Sunday night into Monday AM would be a risk to watch.



## Chance for Reduced Visibility

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

# Houston Pilots Visibility Report



Time	Tue 2am	Tue 3am	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			
610 Bridge	6	4	2	0.77	0.77	0.53	2	6	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	6	6	6	5	4	4	3	3	5	6	10	10	10			
Kinder 1	6	4	2	0.77	0.77	0.53	2	6	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	6	6	6	5	5	5	4	5	5	7	10	10	10			
Greens Bayou	6	5	2	0.99	0.77	0.53	2	6	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	7	7	7	6	6	6	5	6	7	8	9	10	10			
Shell Crude	6	4	2	0.86	0.77	0.53	2	5	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10	
Lynchburg Ferries	6	6	2	1	3	0.53	2	5	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10	
Exxon 3	6	4	2	0.99	2	0.53	2	5	10	10	10	10	10	10	10	10	10	10	10	10	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10	
Morgans Point	6	3	2	0.77	0.77	0.53	2	5	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10
75/76	6	3	2	0.65	0.77	1	2	5	9	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10
63/64	6	3	2	0.53	0.77	2	2	4	8	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9
51/52	3	3	2	0.46	0.37	2	2	4	7	9	10	10	10	10	10	10	10	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
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25/26	2	1	0.29	0.29	0.29	0.29	1	3	5	6	6	7	8	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	5	5	5	5	5	7		
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1 & 2 Bravo	0.77	0.53	0.29	0.29	0.29	0.29	0.29	0.29	1	5	6	6	6	4	7	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	4	1	3	3	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 2am	Tue 3am	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		
610 Bridge	2	2	0	1	2	3	5	5	4	3	2	2	3	6	9	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12	12	14	14	14	
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Kinder 1	WSW	S	SSE	SW	WNW	W	W	W	WSW	WSW	SW	S	SSE	SE	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
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Greens Bayou	8	7	4	4	6	9	11	8	6	5	3	3	5	9	12	13	14	14	14	15	15	15	15	15	15	15	15	15	15	13	16	16	18	19	20	21	21	
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Shell Crude	3	2	1	0	1	2	5	5	4	4	2	2	5	8	9	11	11	10	9	10	10	9	10	10	10	9	9	9	10	10	12	12	13	14	14			
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Lynchburg Ferries	W	SSW	WNW	SSW	NW	WNW	W	W	WSW	WSW	SW	S	SE	SE	SE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
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Exxon 3	9	7	4	4	3	6	10	9	6	5	4	4	7	10	12	14	15	14	14	14	14	14	14	14	15	14	15	14	14	13	15	15	18	18	20	21	21	
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Morgans Point	3	2	1	0	1	1	4	5	4	4	2	3	7	8	10	12	12	11	10	10	9	9	9	9	10	9	9	9	8	9	10	12	12	13	14	14		
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	SW	SW	SW	SSW	SSW	W	SSW	SW	SSW	SE	E	ESE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SSE	S	S	S	SSE	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	S
1 & 2 Bravo	5	4	3	3	3	2	3	2	2	2	3	6	8	8	8	9	9	9	9	9	9	10	9	9	9	8	8	8	8	9	9	10	11	11	12	13	14	14
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1 & 2 Bravo	SW	SW	SW	SSW	SSW	SW	SSW	WSW	WSW	S	SE	SE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	SSE	SSE	SSE	
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1 & 2 Bravo	10	8	6	7	6	7	8	7	5	4	2	6	8	9	10	10	11	11	12	12	12	12	12	12	12	11	12	13	13	13	14	15	16	18	18	18		
	SW	WSW	SSW	SSW	SSW	SSW	SW	WSW	SW	WSW	SE	SE	SE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	SSE	SSE	SSE		

# Houston Pilots: Tue. 2/28/2023



## Forecast Discussion

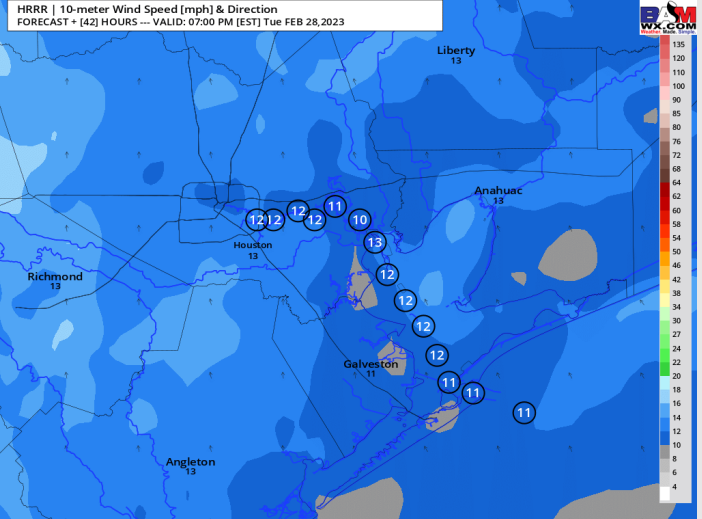
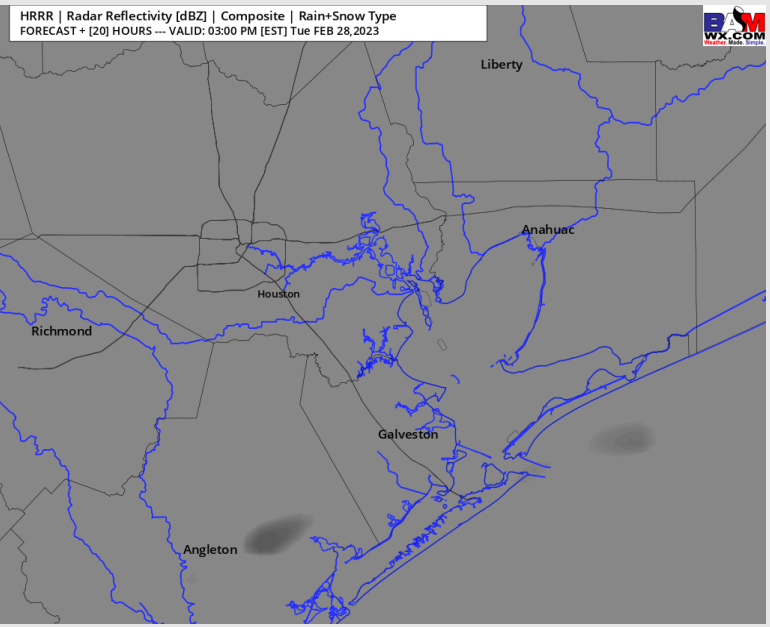
**Precip:** Favoring mostly dry conditions with a 10% chance for an isolated light shower during the late AM early PM hours.

**Wind:** Light winds will be from the SSW during the morning and early afternoon at 3-8 MPH. Winds will shift more from the SSE after 3-4 PM. Winds after ~4 PM will sit 8-13 knots with gusts 13-18 knots at the boarding station.

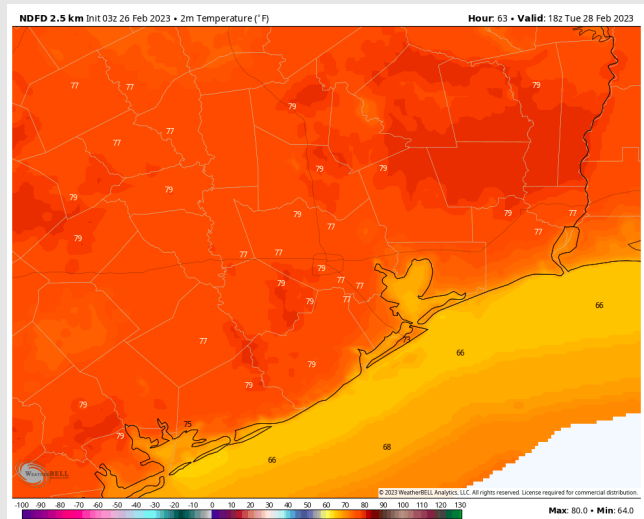
**Temps:** High temperatures today will be in the upper 70s F north of Morgan's Point and in the mid 60s F to near 70 F south of Morgan's Point.

**Visibility:** See visibility slides above for latest thinking on Today's fog threats.

## Precip Forecast: 3 PM CT



Wind Speed  
6 PM CT



High Temps  
Today

# Houston Pilots: Wed. 3/1/2023



## Forecast Discussion

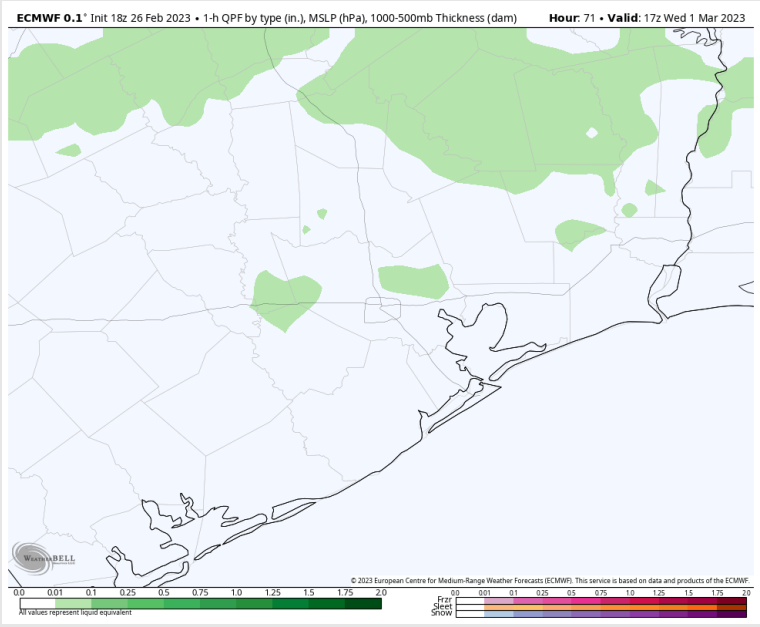
**Precip:** Favoring dry conditions throughout the day Wednesday. An isolated 20% chance for a light isolated shower between 10 AM – 2 PM, anticipating the better rain chances to remain N. of HOU Metro.

**Wind:** Sustained winds out of the S - SSE all day. Winds north of Morgan's Point will be at 6 – 10 kts until 9 AM where winds increase to 10 – 15 kts and stay that way the rest of the day. Winds south of Morgan's Point will be at 10 – 15 kts throughout the day with occasional gusts 18 - 23 kts.

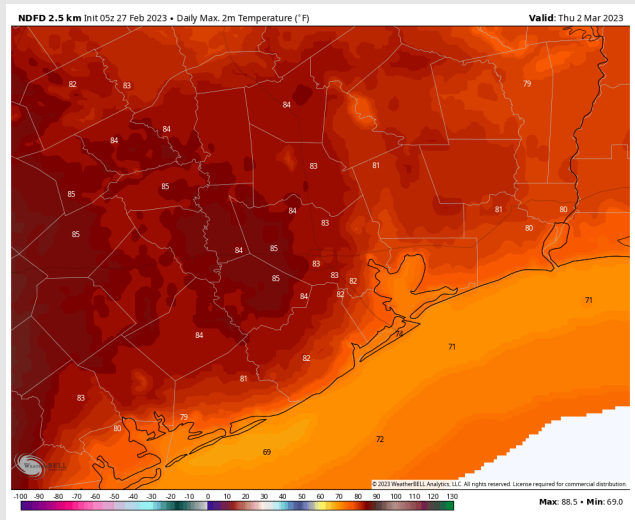
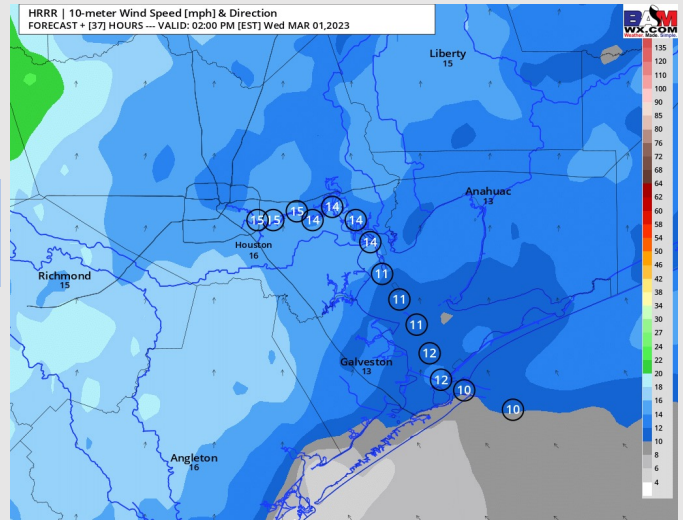
**Temps:** High temperatures Wednesday in the 70s F for stations south of Morgan's Point. Stations north of Morgan's Point in the near 80s F.

**Visibility:** Patchy sea fog will once again be possible (biggest threats coming in the early-mid AM hours & after sundown). Slightly elevated winds during the day likely limit the threat for the late AM – mid PM hours.

## Precip Forecast: 8 PM CT



Wind Speed  
1 PM CT



High Temps  
Wednesday



# Houston Pilots: Thu. 3/2/2023



## Forecast Discussion

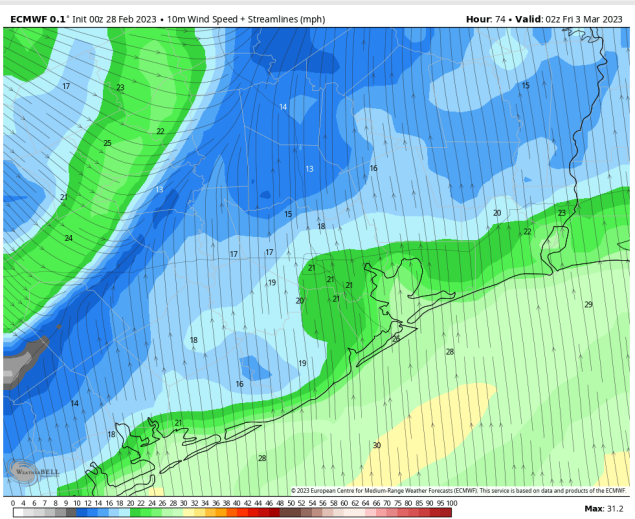
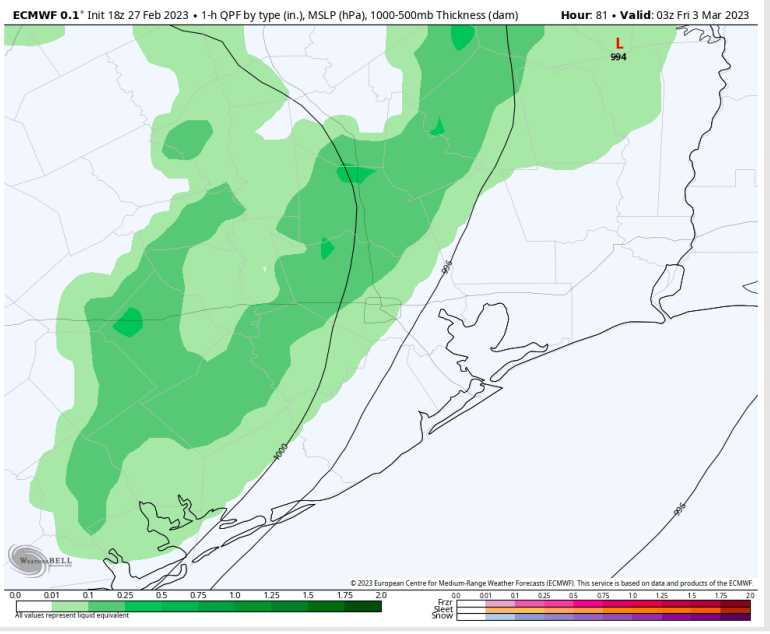
**Precip:** Favoring dry conditions for Thursday leading up until about 10 AM where light showers ahead of a cold front will allow for 20% chances. A strong cold front looks to push through the area around ~10 PM, and with it a brief period of moderate rain will be possible from 10 PM – Midnight.

**Wind:** Sustained winds will start from the SE during the AM hours and will then veer slowly to the S ahead of the cold front between 7 to 9 PM. Winds will then flip from the NW by Midnight. Winds will start out during the AM hours at 8 – 14 kts across all stations, increasing to 15 – 20 kts by 12 PM. From 6 PM – 9 PM, winds south of 25/26 will increase even more to 22 – 27 kts. **Wind gusts post 12 PM across all stations will range from 25 – 33 kts. As the cold front presses through, gusts of 35-40 kts will be possible across all stations from 9 PM – Midnight .**

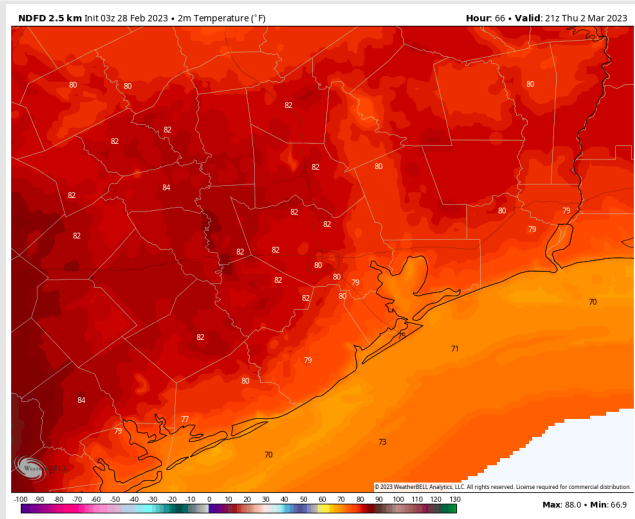
**Temps:** High temperatures Thursday will be near 80 F north of Morgan’s Point and in the mid to lower 70s F south of Morgan’s Point.

**Visibility:** Reduced visibilities via sea fog will be possible during the AM and early afternoon hours, especially ahead of the cold front with plentiful low-level moisture and southerly winds. After the cold front pushes through during the late evening, this will wipe out all fog threats for Friday AM

## Precip Forecast: 9 PM CT

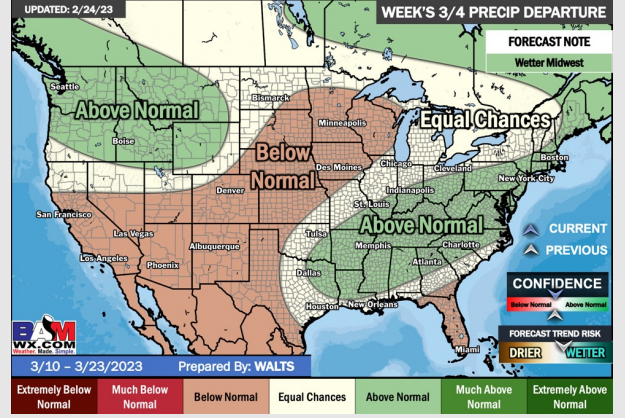
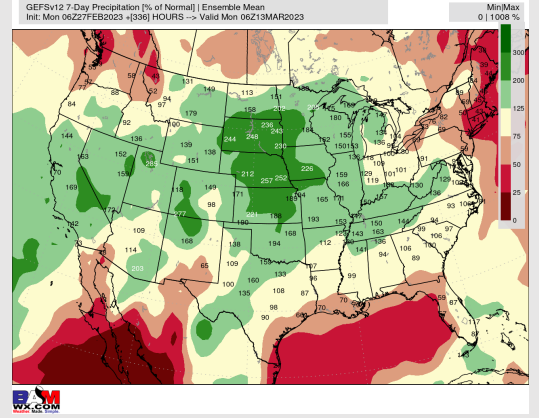
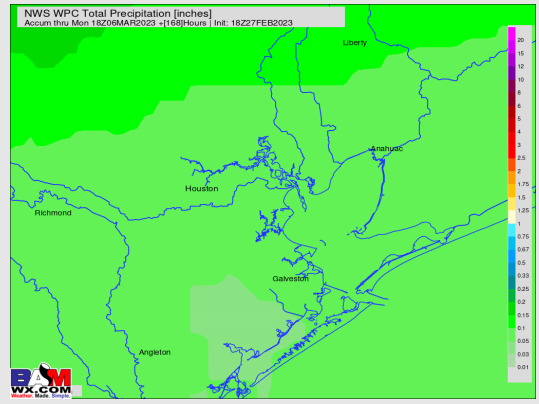
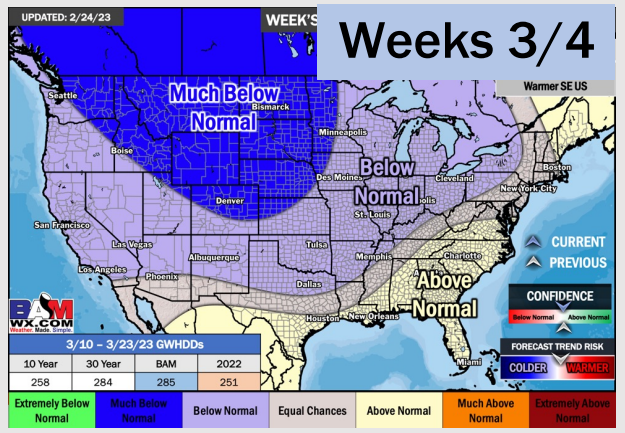
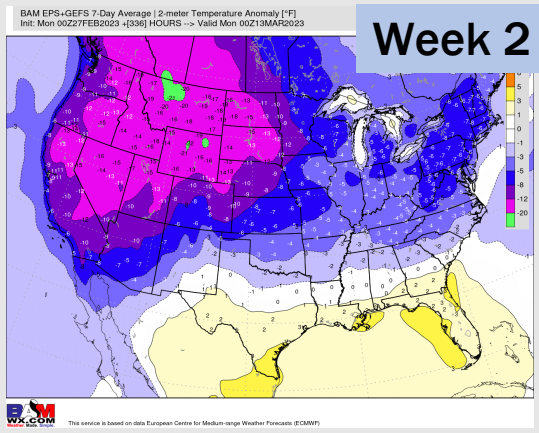
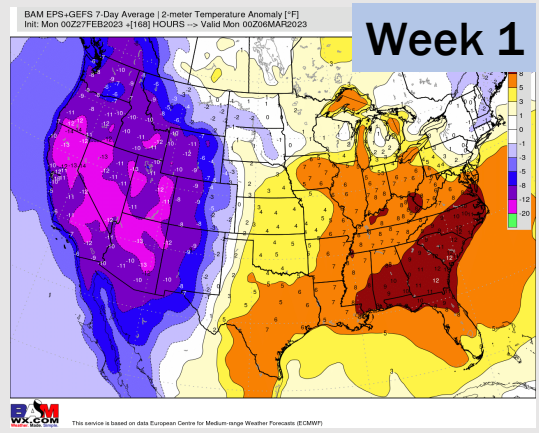


Wind Speed  
8 PM CT



High Temps  
Thursday

# Houston Pilots: 2/28/23



- Isolated / low end shower chances will be possible the next several days with a front stalled/hanging around the area. Best chances for precip will come Thursday PM/ Friday AM pending the timing of a cold front. Temperatures are expected to be well above average over the next seven days.
- Expecting below normal precipitation chances and above normal temperatures extending into the week 2 timeframe.
- Anticipating equal chances for precipitation and above normal temperatures favored in the week 3/4 timeframe.