

# Houston Pilots Forecast Package



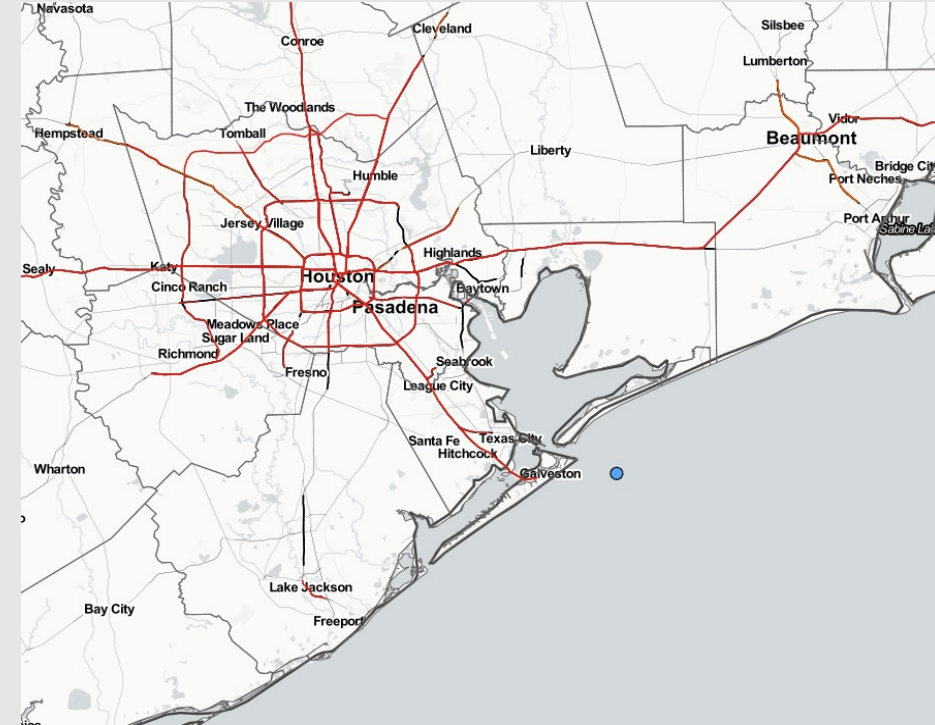
Updated: 3:00 PM CT

Tuesday, February 28, 2023

Forecaster: Will Danby

## Weather Headlines

- Patchy fog risks will be in the forecast tonight with lower confidence overall on the nature of coverage. 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: 2:52 PM CT

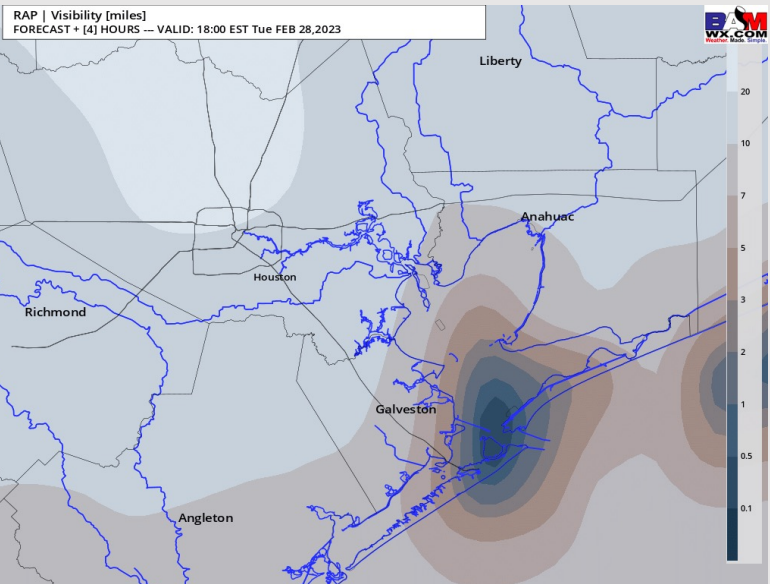


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

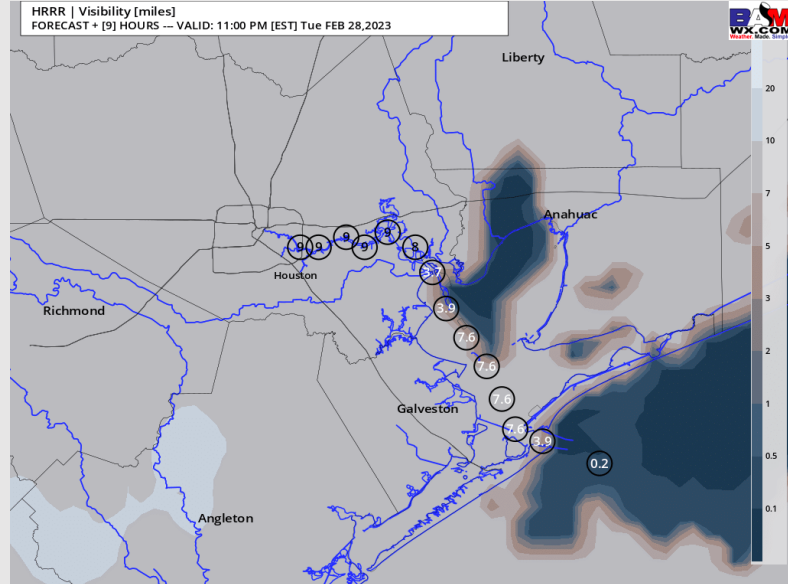
# Houston Pilots Visibility Report



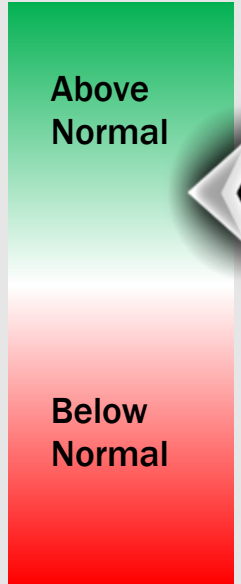
## 5 PM CT TUE VISIBILITY



## 9 PM CT TUE VISIBILITY



## Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 12 AM WED	Medium

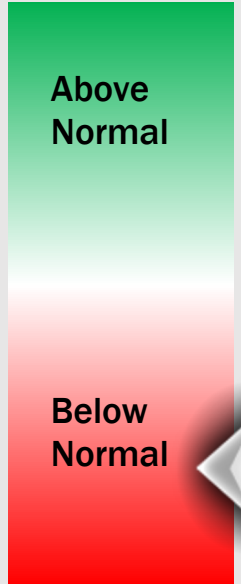
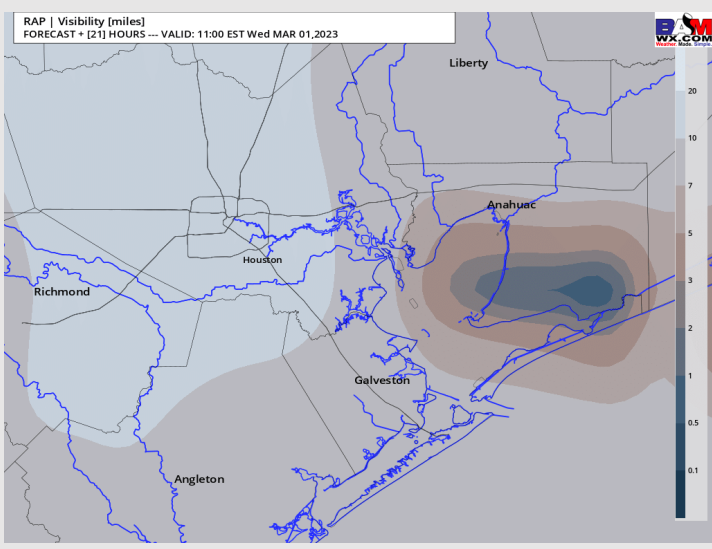
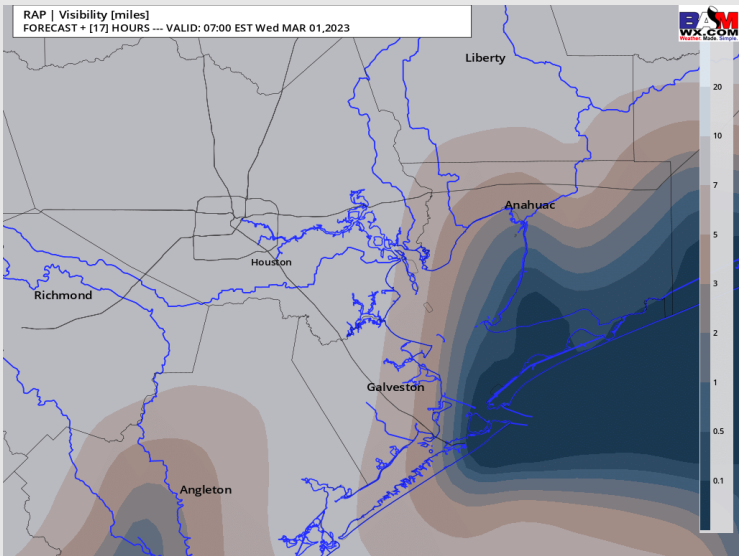
- Dense sea fog reports are continuing with visibility of less than 1 mile across the Boarding Station and 11/12 are noted, and it is likely visibilities will stay as such for the next few hours leading up until ~5 PM. After 5 PM visibilities could improve slightly to 2 - 4 miles with pockets of dense fog occurring at times.
- Stations north of 11/12 are at risk of seeing slightly reduced visibilities of 4 - 6 miles around 4 - 7 PM as some lingering sea fog has potential to press north as far as 63/64.
- Lower confidence exists past 7 PM across stations in terms of exact coverage of sea fog, but overall favoring stations north of Morgan's point to be free of visibility issues throughout the evening, and 3 - 5-mile visibility post 7 PM across 11/12 and the Boarding Station.

# Houston Pilots Visibility Report



## 7 AM CT WED VISIBILITY      10 AM CT WED VISIBILITY

## Confidence



- 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. This will likely not be a case of widespread prolonged fog.
- The BEST window to see reduced visibilities will likely be between 6 – 9 AM, where pockets of 2 – 4-mile visibility will be possible towards the entrance of the bay by 11/12 and the boarding station, and better chances for patchy fog south of Morgan's Point around 6 – 9 AM.

TIMEFRAME DISCUSSED	THREAT
12 AM WED – 12 PM WED	Medium

# 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

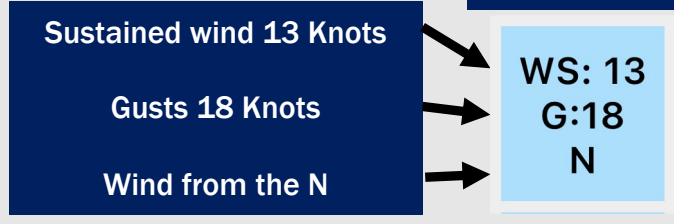


Time	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	6	5	4	5	8	10	10	10	10	10	10	10	10	10	10	8	6	6	5	6	5	5
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	6	5	4	5	8	10	10	10	10	10	10	10	10	10	8	7	6	5	6	5	5	
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	6	5	6	5	7	10	10	10	10	10	10	10	10	10	8	7	6	6	6	5	5	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	5	5	7	5	7	10	10	10	10	10	10	10	10	10	8	8	6	8	7	5	5	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	9	8	6	6	6	5	5	7	5	7	10	10	10	10	10	10	10	10	10	8	8	6	8	7	5	5	
Exxon 3	10	10	10	10	10	10	10	10	10	10	8	6	6	6	5	5	5	7	5	7	10	10	10	10	10	10	10	10	10	8	8	5	8	7	5	4	
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# Houston Pilots Wind Report



**Example**



Time Knots	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	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am
610 Bridge	6	7	8	10	10	9	8	6	8	7	7	7	7	6	5	10	9	10	10	11	13	14	15	15	14	14	14	13	13	12	12	13	13	13	13	14
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Kinder 1	7	8	9	11	10	9	8	6	8	7	7	7	7	6	5	10	9	10	10	11	12	14	15	15	14	14	14	13	12	12	12	12	13	13	13	14
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Greens Bayou	7	7	9	11	10	9	8	7	7	8	7	7	7	6	5	10	8	9	10	11	12	13	14	15	15	14	14	13	12	12	12	12	13	13	13	14
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Shell Crude	7	8	10	11	10	9	8	7	7	8	7	7	7	6	5	10	8	9	10	11	12	13	14	15	15	14	14	13	13	12	12	12	13	13	13	13
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Lynchburg Ferries	8	9	10	11	10	9	8	7	7	7	6	7	7	6	5	10	8	9	10	11	12	14	14	15	15	14	14	13	13	12	12	12	12	12	13	
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Exxon 3	9	10	11	11	10	9	9	7	8	7	6	7	7	6	5	9	8	9	10	11	12	13	14	15	15	14	14	13	13	12	12	11	11	12	12	13
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Morgans Point	10	12	12	12	11	10	10	8	8	6	6	7	8	6	6	9	9	9	10	11	12	13	14	15	15	15	15	14	13	12	12	11	11	12	11	12
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# Houston Pilots: Tue. 2/28/2023



## Forecast Discussion

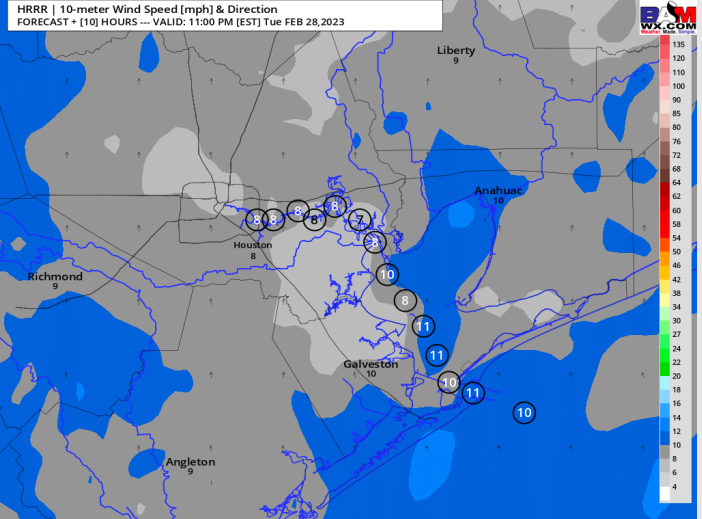
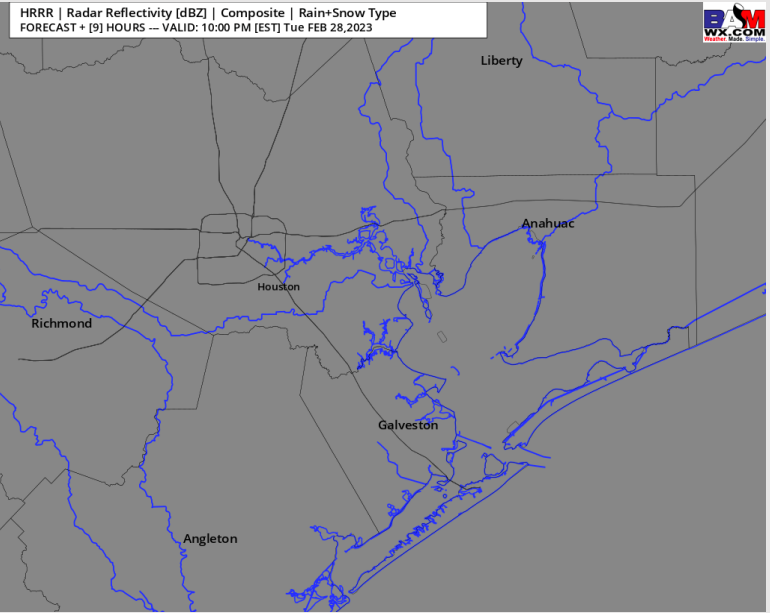
**Precip:** Favoring mostly dry conditions for this evening with a 10% chance for drizzle leading up until 5 PM.

**Wind:** Light winds from the SSE will sit at 8 - 13 kts with gusts of 13 -18 kts at the boarding station.

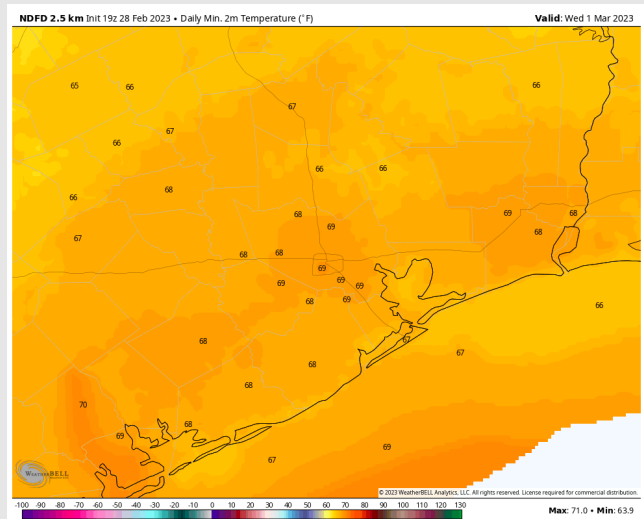
**Temps:** Low temperatures Wednesday morning will be in the mid to upper 60s F.

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

## Precip Forecast: 8 PM CT



Wind Speed  
10 PM CT



Low Temps  
WED AM

## Forecast Discussion

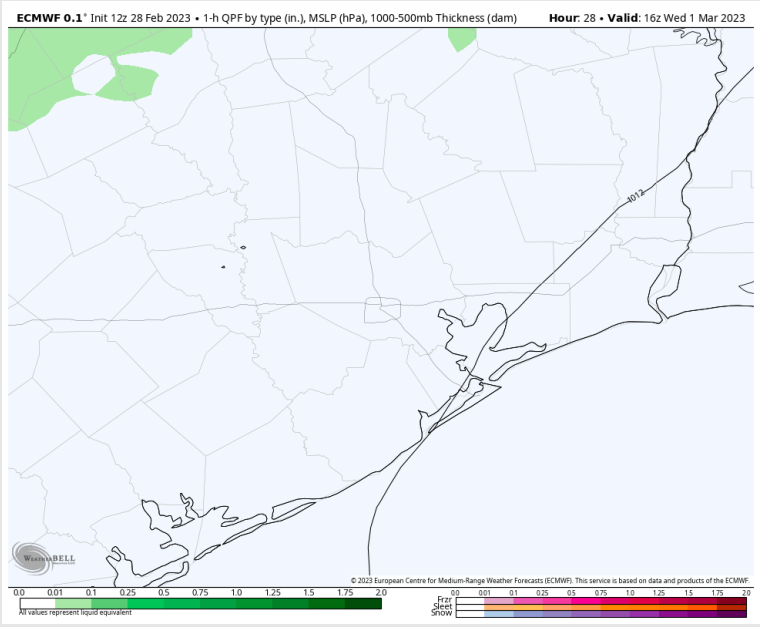
**Precip:** Favoring dry conditions throughout the day Wednesday. An isolated 20% chance for a light shower between 10 AM – 2 PM, anticipating the better rain chances to remain N. of HOU Metro.

**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.

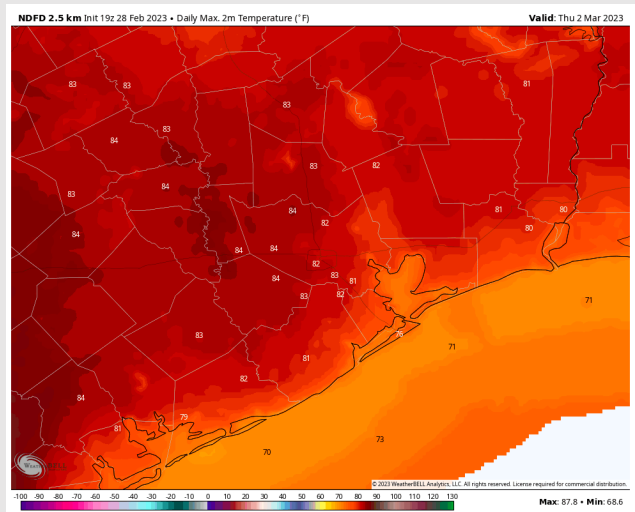
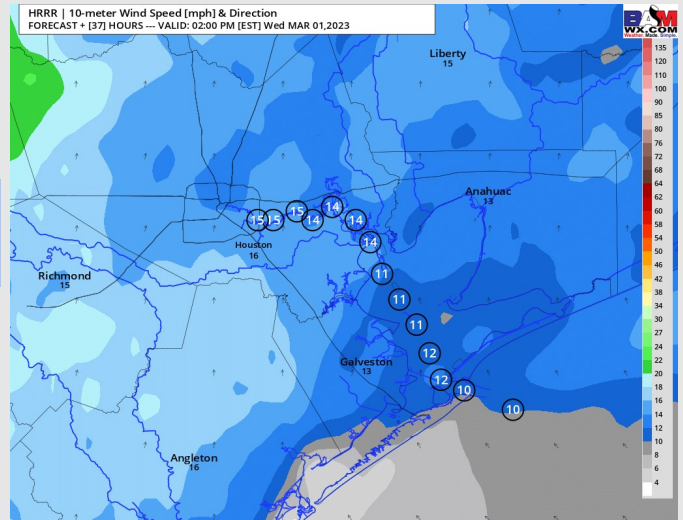
**Temps:** High temperatures Wednesday in the 70s F for stations south of Morgan's Point. Stations north of Morgan's Point in the near 80s F.

**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: 10 AM CT



Wind Speed  
1 PM CT



High Temps  
Wednesday



# Houston Pilots: Thu. 3/2/2023



## Forecast Discussion

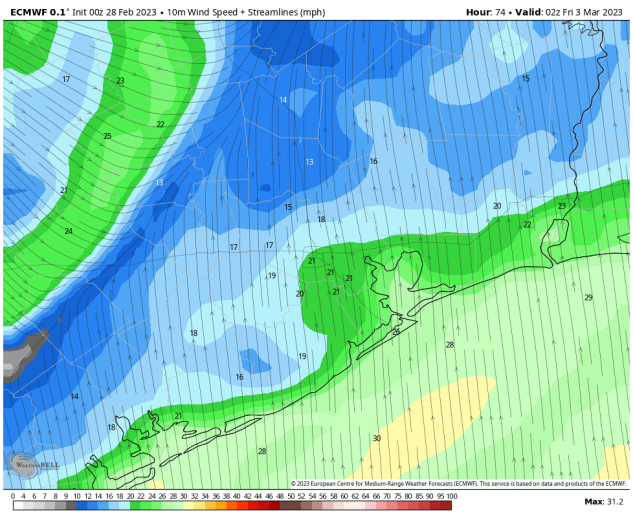
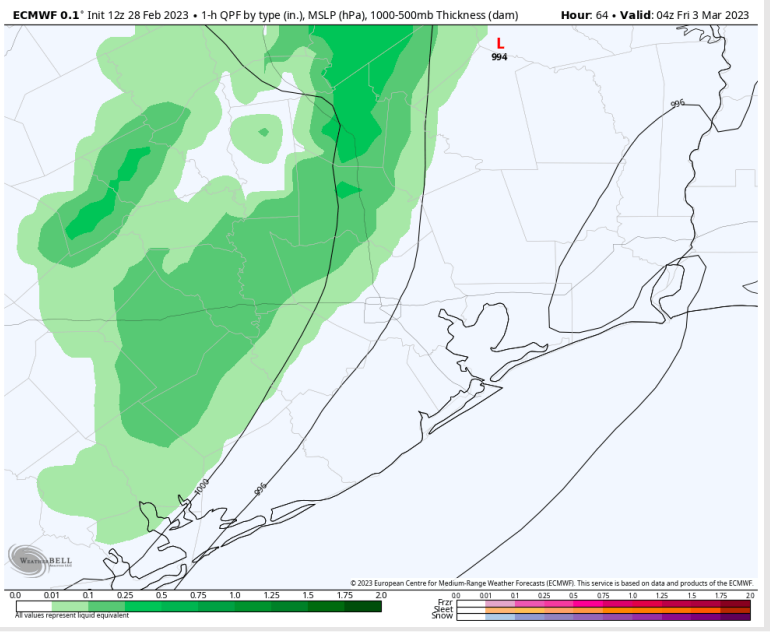
**Precip:** Favoring dry conditions for Thursday leading up until about 10 AM where light showers ahead of a cold front will allow for 20% chances. A strong cold front looks to push through the area around ~11 PM, and with it a brief period of moderate rain will be possible from 10 PM – Midnight.

**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 .**

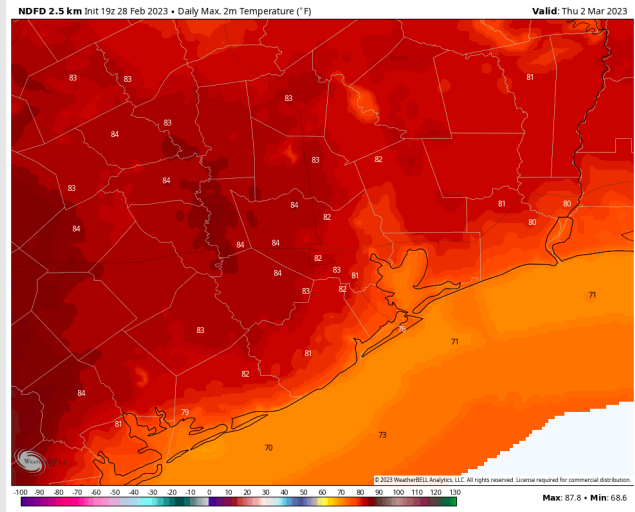
**Temps:** High temperatures Thursday will be near 80 F north of Morgan’s Point and in the mid to lower 70s F south of Morgan’s Point.

**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: 10 PM CT

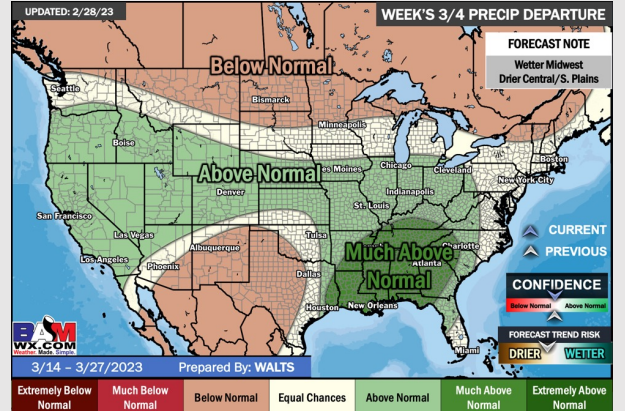
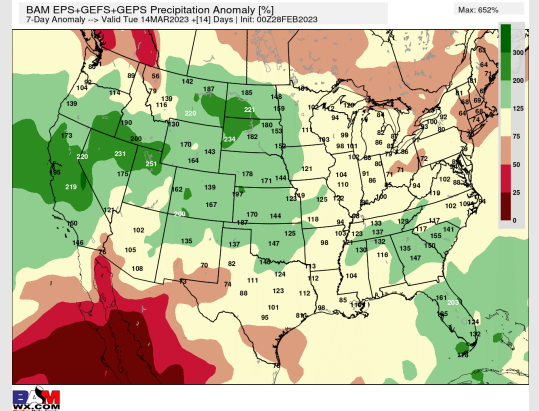
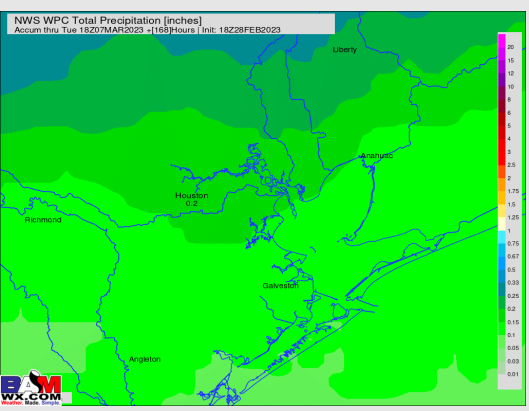
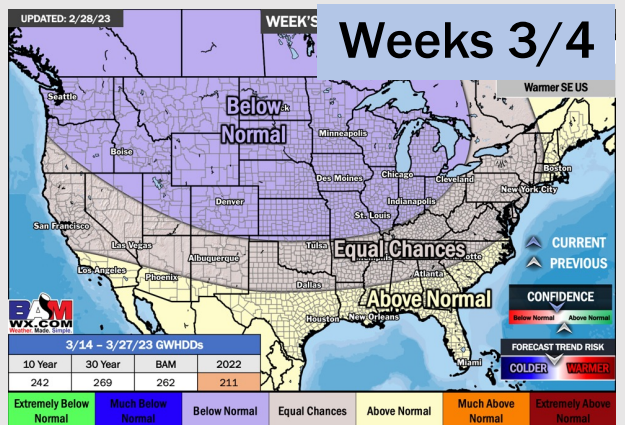
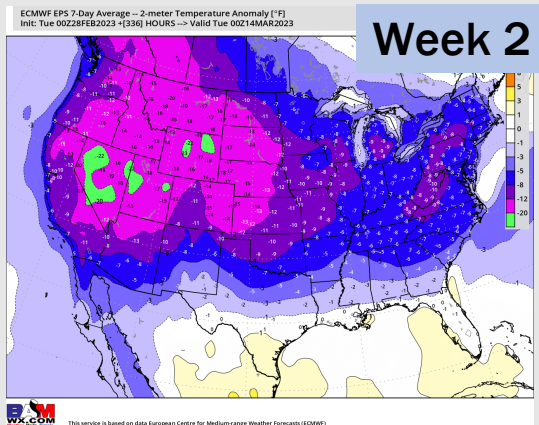
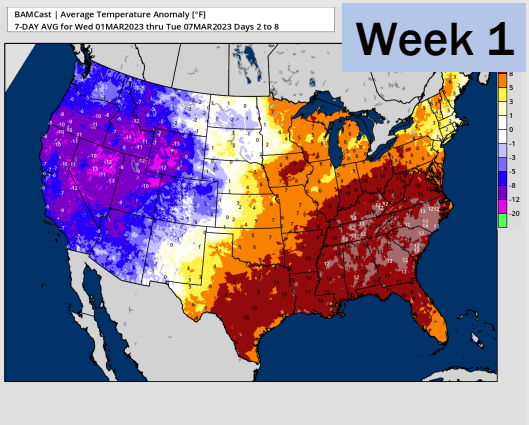


Wind Speed  
8 PM CT



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 late Thursday PM/ early Friday AM pending the timing of a cold front. Temperatures are expected to be well above average over the next seven days.
- Expecting near normal precipitation chances and near normal temperatures extending into the week 2 timeframe.
- Anticipating slight above normal chances for precipitation and above normal temperatures favored in the week ¾ timeframe.