### **Houston Pilots Forecast Package**

Updated: 5:00 AM CT

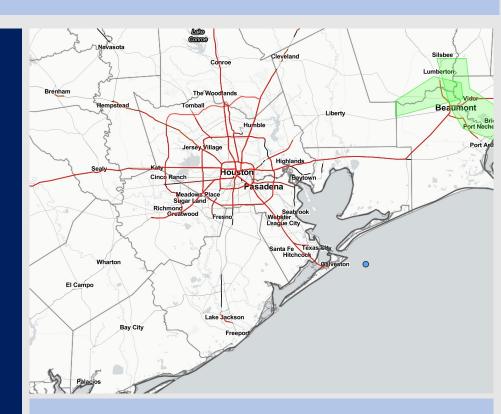
Monday, February 6, 2023





### **Weather Headlines**

- Check the visibility slides below for initial thinking of a tricky forecast regarding exact details. The general fog threat would be present through midday Wednesday.
- Anticipating a dry day today with light to moderate rain showers about the area for Tuesday and Wednesday.
- ► Elevated winds will be at play over the next 72 hours with sustained winds in the 10 15 –kt range with persistent wind gust threats at 22 25 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**





VISIBILITY VISIBILITY

Confidence

Above Normal

No model data shows this threat on a future visibility image



- TIMEFRAME THREAT
  DISCUSSED

  12 AM Tue 12 PM Tue Low Medium
- ➤ Low confidence on a sea fog threat developing late tonight into Tuesday AM. While almost all "ingredients" look favorable for fog, moisture right at the immediate surface will be in question and thus leads to some uncertainty on specifics.
- Current thinking is that patchy fog can start to develop near Midnight between 11/12 and the boarding station and continue in a patchy nature through the morning hours.
- ➤ Fog could be dense at times, but given the lack of a fog signal on data, we are a bit skeptical of any fog being widespread. Best risk for fog comes 4-8 AM
- ➤ It is rather unlikely that any one location sees 12 hours worth of fog with breaks here and there likely.

# **Houston Pilots Visibility Report**





Confidence **VISIBILITY VISIBILITY** 

No model data shows this threat on a future visibility image



- **THREAT** TIMEFRAME **DISCUSSED** 12 PM Tue - 12 AM Wed Low - Medium
- > Fog is likely not much of a concern for the area getting into the afternoon hours, however a few areas still seeing 3-5 mile visibility cannot be taken off the table.
- > We would need to monitor anytime after sunset fog patchy fog to develop. Given profiles of the atmosphere, we think that any fog that develops Tuesday (AM or PM) would be patchy, not blanketing the entire region
- Low confidence continues as there will be a question of just how much moisture is there to work with at the surface.
- > The threat continuing into Wednesday AM is likely with fog possible through when the front passes the area Wed PM.

### **Houston Pilots Extended Range Visibility Report**





### **Thursday 2/9/23**

Light and variable winds in the AM hours will favor a southerly to southwesterly direction direction by the PM hours.

### Friday 2/10/23

Sustained winds will be from the NW on Friday in the 10– 20 kt range making fog potentials highly unlikely.



#### **Saturday 2/11/23**

Northwesterly winds will continue for Saturday, albeit calmer than Friday's winds.

# Confidence Above Below Normal Normal



### **Chance for Reduced Visibility**

Thursday AM	Unlikely
Thursday PM	Unlikely
Friday AM	Unlikely
Friday PM	Unlikely
Saturday AM	Unlikely
Saturday PM	Unlikely

# **Houston Pilots Visibility Report**





### Confidence

Above Normal Below Normal

#### Refer to the slide above for the official BAM forecast. The chart is likely not 100% accurate with fog.

Time	Mon 4am								Mon 12pm					Mon 5pm			Mon 8pm							Tue 3am	Tue 4am	Tue 5am		Tue 7am	Tue 8am	Tue 9am	Tue 10am	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm
610 Bridge	9	8	8	9	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	9	10	10	10	10	10	10
Kinder 1	9	8	8	9	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	9	10	10	10	10	10	10
Greens Bayou	9	8	8	8	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	8	10	10	10	10	10	10
Shell Crude	9	8	8	8	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	9	10	10	10	10	10	10
Lynchburg Ferries	9	8	8	8	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	9	10	10	10	10	10	10
Exxon 3	9	8	8	8	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	9	10	10	10	10	10	10
Morgans Point	9	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
75/76	9	9	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
63/64	10	9	9	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
51/52	10	9	9	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
37/38	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
25/26	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10
11/12	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10
1 & 2 Bravo	10	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

### **Houston Pilots Wind Report**







Sustained wind 13 Knots

Gusts 18 Knots

Wind from the N

Example

WS: 13

G:18

N

Time	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon		Mon	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue	Tue
Knots	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm		11pm	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm
610 Bridge	4	4	4	5	6	8	8	9	10	10	11	11	11	10	9	12	11	11	12	12	12	12	10	11	10	9	8	9	8	9	10	11	11	12	12	13
	13	15	15	14	12	18	16	15	17	17	17	17	18	18	18	18	17	17	18	18	18	18	16	16	15	14	12	13	12	14	15	16	17	18	19	19
	S	S	S	S	SSE	SSE	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Kinder 1	4	4	4	5	5	8	8	9	10	10	11	11	11	10	8	11	11	11	12	12	12	12	10	10	10	9	8	8	8	9	10	10	11	12	12	13
	14	15	15	14	13	18	16	15	17	17	17	17	18	17	18	18	17	17	18	18	18	18	16	16	15	14	12	13	12	13	15	16	17	18	19	19
	S	S	S	S	SSE	SSE	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Greens Bayou	4 14 S	4 15 S	4 15 S	5 15 S	5 13 SSE	7 18 SSE	8 16 SSE	9 16 S	10 17 S	10 17 SSE	11 17 SSE	11 18 SSE	11 18 SSE	10 17 SSE	8 19 SE	12 18 SE	11 17 SE	12 18 SE	12 18 SE	12 18 SSE	12 18 SSE	12 18 SSE	10 16 SSE	10 16 SE	10 15 SE	9 14 SE	8 12 SE	8 13 SE	7 11 ESE	8 13 SE	10 15 SE	10 16 SE	11 17 SE	12 18 SE	12 19 SE	13 19 SE
Shell Crude	5	5	4	5	5	7	8	10	10	10	11	11	11	10	9	12	11	12	12	11	12	11	10	10	10	9	8	8	7	8	9	10	11	11	12	12
	14	15	15	15	14	18	16	16	17	17	17	18	18	17	20	18	17	17	18	17	18	17	16	15	15	14	12	12	11	13	14	15	16	17	18	19
	S	S	S	S	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Lynchburg Ferries	4 13 SSE	5 16 S	4 15 S	5 15 S	4 14 SSE	7 17 SSE	8 17 SSE	9 16 SSE	10 17 SSE	10 17 SSE	11 18 SSE	11 18 SSE	11 19 SSE	10 20 SE	9 21 SE	12 18 SE	12 17 SE	12 18 SE	12 18 SE	12 17 SSE	12 18 SSE	11 17 SSE	10 15 SSE	10 15 SSE	10 14 SE	9 13 SE	8 12 SE	8 12 SE	8 11 ESE	8 12 SE	9 14 SE	10 15 SE	11 16 SE	12 17 SE	12 19 SE	12 19 SE
Exxon 3	4	5	4	5	4	7	9	9	10	11	11	11	11	10	10	12	12	12	12	12	12	11	10	10	10	9	8	8	8	8	9	10	11	11	12	12
	14	16	15	15	14	16	18	18	17	18	18	19	20	21	22	17	17	18	17	17	17	16	15	14	14	13	12	11	11	12	13	14	16	17	18	18
	S	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE
Morgans Point	5 16 S	6 16 S	6 15 S	6 15 S	5 14 SSE	7 16 SSE	8 18 SSE	9 18 SSE	10 17 SSE	11 18 SSE	11 18 SSE	11 20 SE	12 21 SE	10 21 SE	11 22 SE	13 17 SE	13 17 SE	13 17 SE	13 17 SE	13 16 SSE	12 16 SSE	11 15 SSE	11 14 SSE	11 14 SSE	10 13 SE	9 13 SE	9 12 SE	9 11 SE	9 12 SE	9 12 SE	9 13 SE	10 14 SE	11 15 SE	12 16 SE	12 17 SE	12 17 SE
75/76	8	8	8	8	7	8	8	9	11	11	11	12	12	11	12	15	15	14	15	14	13	13	13	12	12	11	11	10	10	10	10	11	11	12	13	13
	18	16	16	16	15	15	18	18	17	18	18	20	21	21	22	17	17	16	17	16	15	15	14	14	13	13	12	12	12	12	13	14	15	16	17	17
	S	S	S	S	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	SE	ESE	ESE	ESE	SE	ESE
63/64	9	9	8	8	8	8	9	10	11	11	11	12	12	12	12	15	15	15	15	14	14	13	13	12	12	11	11	11	11	11	11	11	12	13	14	13
	18	17	16	16	15	15	18	18	18	17	18	19	21	21	21	16	16	16	16	16	15	14	14	14	13	12	12	12	12	12	12	14	15	16	16	16
	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE
51/52	10	9	8	9	8	8	9	10	11	11	11	12	12	12	12	14	14	14	14	14	13	12	12	12	11	10	10	11	11	10	10	11	11	13	13	13
	17	17	16	16	15	14	18	18	18	17	19	19	21	21	20	15	15	15	15	15	14	14	13	13	12	12	12	12	12	12	12	13	14	15	16	16
	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE
37/38	9	8	8	8	7	8	10	10	11	11	11	11	12	12	12	13	12	13	13	13	12	12	11	11	10	10	10	10	10	10	10	11	11	12	13	13
	16	16	16	16	15	14	17	17	18	17	19	18	20	20	19	15	14	15	15	15	14	14	13	13	12	11	11	11	12	11	12	13	13	15	15	16
	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	ESE
25/26	8	8	7	7	7	8	10	10	10	10	11	11	12	11	11	12	11	12	12	12	11	11	11	10	9	9	9	9	10	10	10	10	11	12	12	12
	16	16	15	15	14	14	16	17	17	17	18	18	19	19	18	15	14	15	15	15	14	14	13	13	12	11	11	11	11	11	11	12	13	14	14	15
	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE
11/12	9	9	8	8	8	8	9	9	10	9	10	10	10	12	12	12	12	12	12	12	12	11	11	10	10	9	9	9	10	10	10	10	10	11	12	12
	18	16	15	16	15	15	16	18	17	17	18	18	17	20	19	15	14	15	15	15	14	14	14	13	12	11	12	12	11	11	12	12	13	13	14	14
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
1 & 2 Bravo	10	9	9	10	9	9	9	10	9	10	10	9	8	14	11	14	14	14	14	14	13	13	12	11	11	11	11	11	11	11	11	11	10	11	12	13
	17	16	16	17	16	16	16	16	16	17	17	15	16	20	19	15	15	15	15	15	15	14	14	13	12	12	12	12	12	12	12	12	12	13	13	14
	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE

### Houston Pilots: Mon. 2/6/2023





### **Forecast Discussion**

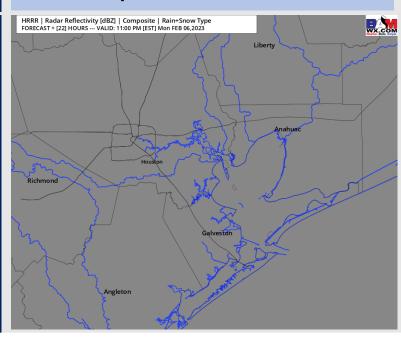
**Precip:** Anticipating dry conditions. (<10% chance of a sprinkle after sundown)

Wind: Sustained winds will be from the SSE. Winds will start out light for the early AM hours at 5-10 kts but will increase to 10 – 15 kts by 10 AM south of Morgan's Point and 11 AM north of Morgan's Point. Winds will remain as such for the rest of the day. Wind gusts of 15-20 kts will be possible across all stations from 11 AM – 6 PM.

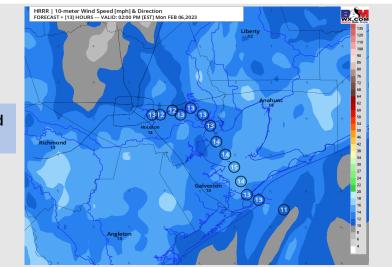
Temps: High temperatures Monday will be in the mid 70s F north of Morgan's Point and in the mid to upper 60s F south of Morgan's Point.

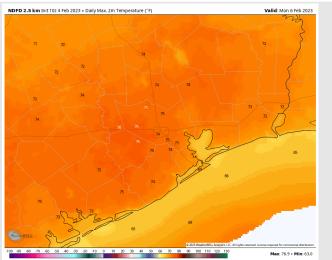
Visibility: Check visibility slide above for latest thinking on fog tonight/Tuesday AM.

#### **Precip Forecast: 10 PM CT**



Wind Speed 1 PM CT





High Temps Today

### Houston Pilots: Tue. 2/7/2023





### **Forecast Discussion**

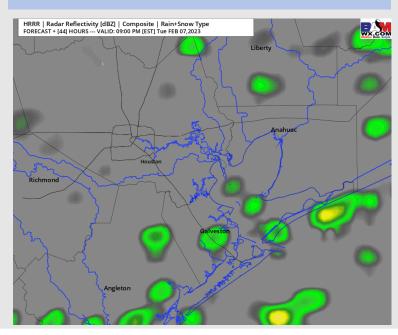
Precip: Anticipating dry conditions until 1 PM with a 20% chance of light showers slowly working their way into the picture from 4 PM – 10 PM. After 10 PM shower chances will increase slightly to 30%.

Wind: Sustained winds will be from the SE on Tuesday. Winds north of Moran's Point will be 8 – 13 kts, and south of Morgan's point will be 10 – 15 kts. Wind gusts of 15-20 kts will be possible at the boarding station after 1 PM.

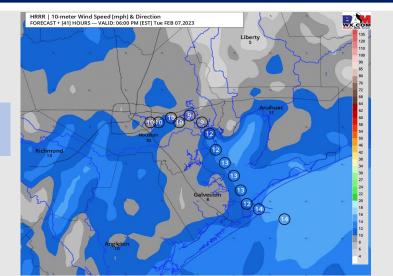
**Temps:** High temperatures Tuesday will be in the mid to lower 70s F north of Morgan's Point and in the mid to upper 60s F south of Morgan's Point.

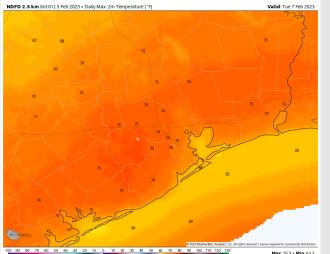
Visibility: Reduced visibility from fog will be possible throughout the day as winds will consistently be from the SE at favorable speeds for sea fog transport. Check slides above.

#### **Precip Forecast: 8 PM CT**



Wind Speed 5 PM CT





High Temps Tuesday

### Houston Pilots: Wed. 2/8/2023





### **Forecast Discussion**

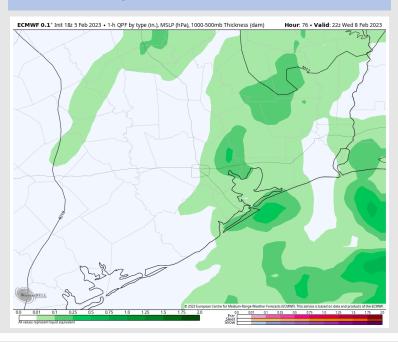
Precip: Light scattered showers will be around for the AM hours with better rain chances coming at 3 PM – 6 PM (70%). After 8 PM favoring dry conditions for the rest of the evening.

Wind: Sustained winds will start out from the SE during the AM hours, then begin to veer more from the south ahead of a cold front around 2 PM. After the front passes through around 6 PM, winds will flip from the NW. Winds across all stations will be around 10 – 15 kts. After the front pushes through, winds will begin to slowly calm from 6 PM to 12 AM to 4 – 7 kts north of Morgan's Point and 8 – 13 kts south of Morgan's point by 10 PM. Wind gusts of 13-18 kts ahead of the front at 11 AM – 4 PM possible for all stations.

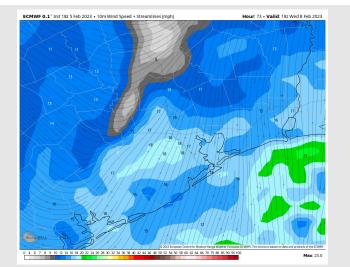
Temps: High temperatures Wednesday will be in the mid to lower 60s F across all stations.

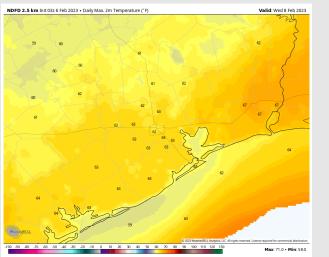
Visibility: Patchy dense fog will be a possibility during the AM hours and early afternoon. After the cold front pushes through visibilities will improve late Wednesday PM.

#### **Precip Forecast: 4 PM CT**



Wind Speed 1 PM CT



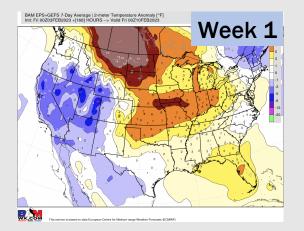


High Temps Wednesday

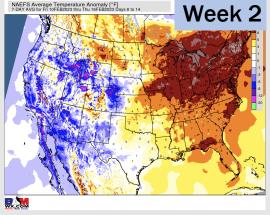
### **Houston Pilots: 2/6/23**

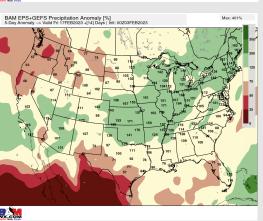


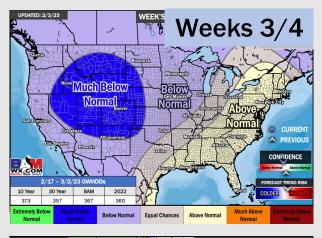




NWS WPC Total Precipitation [inches]









- Tuesday/Wednesday will be the best shots at precip over the next several days. Temps stay above average.
- Expecting near normal precipitation chances and above normal temperatures for the week 2 timeframe.
- Equal chances for precipitation and above normal temperatures favored in the week 3/4 timeframe.