Houston Pilots Forecast Package

Updated: 5:20 AM CT

Friday, March 24, 2023

Forecaster: Matt Griffin



Weather Headlines

- Some lower visibilities possible this AM and again into tomorrow morning.
 More info on the following slides.
- A few showers possible later today.
- Elevated winds this afternoon
- Additional precipitation chances arrive Sunday



Radar/NWS Alerts: 5:20 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

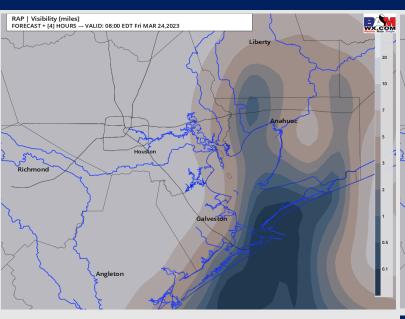


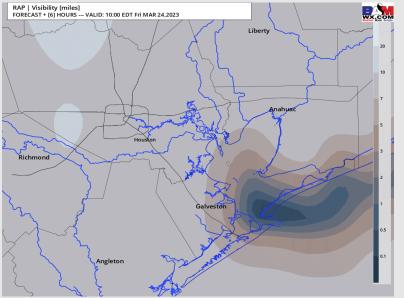


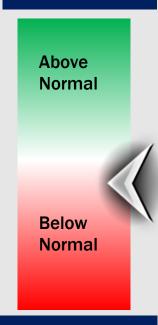
7 AM CT FRI VISIBILITY

9 AM CT FRI VISIBILITY

Confidence







- TIMEFRAME THREAT
 DISCUSSED

 CURRENT 10 AM FRI Low
- No lower visibilities less than 4 miles reported as of doing this report, and is certainly worth noting that model data has been a bit too aggressive bringing in fog threats for our stations.
- ➤ However, onshore flow will continue to support the threat this AM, although dense fog will be hard to come by due to elevated winds.
- General elevated winds should help to make fog potential much more patchy in nature as well.
- ➤ Greatest threat time will be in the 6 AM 10 AM window. Stations at greatest risk are stations D and points south, although some very patchy lower visibilities can drift north.
- ➤ Visibilities below 3 miles will be possible but suspect of anything under 1 mile due to the factors mentioned above. This still cannot be 100% ruled out in that 6 AM 10 AM towards the boarding station, but think the risk for this is very low.

Houston Pilots Visibility Report

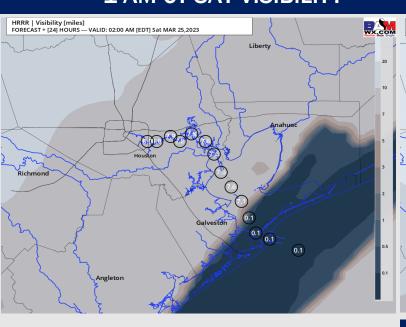


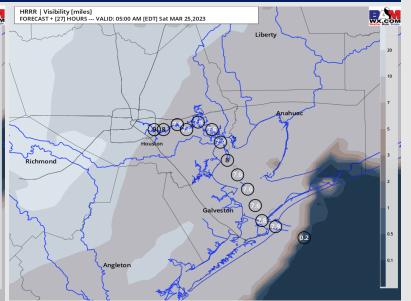


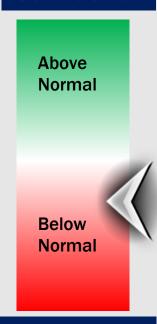
1 AM CT SAT VISIBILITY

4 AM CT SAT VISIBILITY

Confidence







- TIMEFRAME THREAT
 DISCUSSED

 10 PM FRI 5 AM SAT Low
- ➤ As mentioned in the previous slide, model data has been too aggressive with fog potential as of late. This is certainly in consideration to the fog forecast late tonight/SAT AM.
- ➤ Greatest threat for fog will be in the midnight to 4 AM window as there continues to be a southwesterly component to generally light winds. Thereafter, light winds start to shift out of the north which should limit the potential.
- > Due to the orientation of the winds, it will be Station D and points south at the greatest risk to see this threat.
- Confidence continues to remain below normal on the potential for dense fog producing visibilities at/ below 1 mile. Compared to the last few days of potential, the lighter winds out ahead of a cold front would be more supportive. Thus the risk is slightly elevated tomorrow morning vs previous days.

Houston Pilots Extended Range Visibility Report





Possible

Possible

Monday 3/27/23

Winds out of the S for the AM hours will present some potential for sea fog, but a shift in wind from the NE will make fog unlikely in the PM.

Tuesday 3/28/23

Winds out of the NE will make fog unlikely on Tuesday.



Wednesday 3/29/23

Winds will start out of the NE during the AM hours on Wednesday, and then shift to out of the SE by the early afternoon hours. Although low level moisture will not be great, sea fog could be possible.

Confid	ence
Above	Below
Normal	Normal



Chance for Reduced Vis	sibility
Monday AM	Possible
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Unlikely

Wednesday AM

Wednesday PM

Houston Pilots Visibility Report







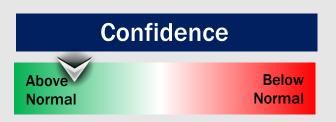
More info regarding fog threats found on slide 2 and 3.

Time	Fri 5am	Fri 6am	Fri 7am	Fri 8am	Fri 9am	Fri 10am	Fri 11am	Fri 12pm	Fri 1pm	Fri 2pm	Fri 3pm	Fri 4pm	Fri 5pm	Fri 6pm	Fri 7pm	Fri 8pm	Fri 9pm	Fri 10pm	Fri 11pm	Sat 12am	Sat 1am	Sat 2am	Sat 3am	Sat 4am	Sat 5am	Sat 6am	Sat 7am	Sat 8am	Sat 9am	Sat 10am	Sat 11am	Sat 12pm	Sat 1pm	Sat 2pm	Sat 3pm	Sat 4pm
610 Bridge	6	8	8	8	9	10	10	10	10	7	8	10	10	10	10	9	8	7	6	6	5	4	3	2	3	5	7	6	10	10	10	10	10	10	10	10
Kinder 1	6	8	8	8	9	9	10	10	10	7	8	10	10	10	10	9	8	7	6	6	5	4	3	2	3	5	7	6	10	10	10	10	10	10	10	10
Greens Bayou	4	7	7	8	8	9	10	10	10	7	8	10	10	10	10	9	8	7	6	6	5	5	3	2	3	5	7	6	10	10	10	10	10	10	10	10
Shell Crude	3	6	7	8	8	9	9	10	10	7	7	10	10	10	10	9	7	7	6	6	6	5	3	2	3	5	7	6	10	10	10	10	10	10	10	10
Lynchburg Ferries	2	5	6	7	8	8	9	9	9	7	7	9	10	10	10	9	8	7	6	6	6	5	4	2	3	6	7	6	10	10	10	10	10	10	10	10
Exxon 3	2	3	4	7	8	8	8	8	8	7	6	9	10	10	10	9	7	7	6	6	6	5	4	2	3	6	7	6	10	10	10	10	10	10	10	10
Morgans Point	2	1	3	7	7	8	7	8	8	8	5	8	9	10	10	8	7	7	7	6	6	5	4	3	4	6	8	7	10	10	10	10	10	10	10	10
75/76	5	0.66	3	7	7	7	7	7	8	7	5	8	9	10	9	7	7	7	7	6	6	6	5	4	5	7	9	8	10	10	10	10	10	10	10	10
63/64	6	0.09	2	5	7	7	7	7	7	7	5	8	8	9	8	7	7	7	7	6	6	6	6	5	6	7	9	9	10	10	10	10	10	10	10	10
51/52	7	0.08	3	5	7	7	7	6	7	7	6	7	8	8	8	6	7	7	7	6	6	5	5	5	6	7	9	9	10	10	10	10	10	10	10	10
37/38	7	0.15	5	5	7	7	7	6	7	7	7	7	8	8	8	6	7	7	6	5	4	3	3	4	5	6	7	9	10	10	10	10	10	10	10	10
25/26	7	0.94	5	4	7	7	7	7	7	7	7	7	7	8	7	6	7	7	7	4	3	2	2	3	5	6	7	9	10	10	10	10	10	10	10	10
11/12	7	2	4	3	7	7	7	7	7	7	7	7	7	7	7	5	7	7	7	3	3	1	1	2	5	7	8	10	10	10	10	10	10	10	10	10
1 & 2 Bravo	7	4	0.92	0.84	7	7	6	7	7	6	7	7	7	7	7	5	7	7	7	3	2	0.5	0.23	0.68	4	7	8	10	10	10	10	10	10	10	10	10

Houston Pilots Wind Report







Sustained wind 13 Knots

Gusts 18 Knots

WS: 13

G:18

N

Knots	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am	5at 5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm
	9	8	8	8	11	13	13	13	13	12	13	10	9	7	6	8	7	7	7	6	6	6	6	6	5	5	4	5	5	7	7	7	7	6	6	6
610 Bridge	21	22	22	23	26	27	28	28 SSW	28	26	26 SW	19 sw	17 WSW	15 W	13 WNW	11 ew	11 cew	11 ccw	11 eew	10	9 WeW	9 SW	9 wew	9 W	8 w	7 W	7 wew	7 wew	8 w	10 WNW	11 NW	11 NW	10 NW	9 NW	10 WNW	9 WNW
	9	8	8	8	11	12	13	13	13	12	13	10	9	7	5	8 8	7 7	7 7	7 7	6	6	6	6	6	5	5	4	5	5	7	7	7	7	6	6	6
Kinder 1	21	22	21	23	26	27	28	27	28	26	27	20	17	14	12	11	11	11	11	10	9	9	9	9	8	7	7	8	8	10	11	11	10	9	10	9
	SSE	S	S	S	S	S	S	SSW	S	SSW	SSW	SW	wsw	w	WNW	sw	SSW	SSW	SSW	SSW	wsw	sw	wsw	W	w	w	W	wsw	w	MMM	NW	NW	NW	NW	WNW	WNW
Greens	9 21	8 22	8 21	8 22	11 26	12 27	13 28	12 26	12 27	11 26	11 28	11 21	9 17	1/1	12	11	11	11	11	6 10	9	9	9	9	8	5	7	7	2	10	11	11	10	6	9	8
Bayou	S	s	S	s	S	s	S	S	S	SSW	ssw	SSW	wsw	w	WNW	ssw	SSW	SSW	SSW	sw	wsw	sw	wsw	w	w	w	w	wsw	w	WNW	NW	NW	NW	NW	NW	WNW
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Shell Crude	20	22	22 S	22 S	26 S	27	28	27	27 S	27 S	28	22 SSW	17	14	10	12	12	11	11	10	9	9	9	9	8	7	7	8	8	10	11	11	10	9	9	8
	9	S	9	8	11	12	13	12	11	11	SSW 10	11	SW	wsw 5	2 2	55W	55W	55W	55W	5W	5W	wsw 6	wsw 6	- W	W 5	- W	- W	- W	- W	WNW 7	NW 7	NW 7	NW 7	NW 7	6	WNW
Lynchburg	19	21	22	22	25	27	28	27	27	27	26	23	17	13	9	12	12	11	11	10	9	9	9	9	8	7	7	7	8	10	11	11	10	9	9	8
Ferries	S	S	S	S	S	S	S	S	S	S	SSW	SSW	sw	wsw	W	SSW	SSW	SSW	SSW	SW	wsw	wsw	wsw	W	w	W	W	w	W	WNW	NW	NW	NW	NW	NW	WNW
	9	9	9	9	11	12	12	12	12	12	10	10	9	6	2	10	9	9	8	7	6	7	6	6	6	5	5	5	5	7	7	7	7	6	6	6
Exxon 3	19	20	20	21	25 S	27	27	27	27 S	27 S	24 SSW	23 SW	18 SW	13 SW	8 8	SSW	13 SSW	12 SSW	11 SSW	10 SW	9 SW	10 wew	9 wew	9 W	8 W	8 W	w	w	8 W	10 WNW	11 NW	10 NW	10 NW	NW/	NW	8 WNW
	9	9	8	9	10	12	12	11	11	12	11	9	10	7	5	12	11	10	9	8	7	7	7	6	6	6	6	6	6	7	7	7	7	6	6	6
Morgans Point	19	19	19	21	24	27	27	26	26	27	24	23	19	14	9	15	14	12	12	11	9	9	9	9	8	8	8	8	8	10	11	10	10	9	9	9
Folia	SSE	SSE	S	SSE	S	S	S	S	S	S	SSW	SW	SW	SW	S	SSW	SSW	SSW	sw	SW	SW	wsw	wsw	w	w	w	w	w	WNW	WNW	NW	NW	NW	NW	WNW	sw
75/76	9 19	10 18	8 18	9 20	10 24	12 25	12 26	12 26	11 25	13 27	12 25	11 24	10 20	9 16	9 13	15 17	14 15	12 13	10 12	11	10	9	8 9	9	8	8	8	8	9	10	11	10	10	10	10	10
75/70	SSE	SSE	S	SSE	SSE	S	S	S	S	s	S	SSW	ssw	sw	S	ssw	SSW	SSW	SW	sw	sw	wsw	w	w	w	w	w	w	WNW	WNW	NW	NW	NW	wsw	S	SSE
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63/64	19 SSE	17	18 S	20 SSE	22 SSE	23	25	25	24	24	25 S	24 SSW	21	17	16	18	16	14	12	11	10	10	9	9	8	8	8	8	9	10	10	10	9	9	9	9
	9 SSE	SSE 10	9	9 SSE	10	11	12	13	11	S 13	14	13	SSW 13	SSW 13	S 13	SSW 16	SSW 14	SSW 12	SSW 11	SW 10	SW	wsw 8	wsw 8	- W	- W	W 7	7	- W	WNW 7	WNW 7	NW 7	NW 6	NNW 6	SE 6	6 6	5E 7
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	SSE	SSE	S	SSE	SSE	S	S	S	S	S	SSW	SW	SW	wsw	wsw	w	w	w	w	w	WNW	NW	NW	NW	NNW	S	ESE	SSE								
37/38	10	10	9	9	11	12	13	13	12	14	16	14	15	15	14	16	14 16	12	11	10	9 12	9 11	8 9	7	7	7	7	7	7	7 10	6	6	6	6	6	7
3/ 38	19 SSE	18 SSE	18 S	19 S	22 S	22 S	24	24 S	23 S	23 S	28 S	26 SSW	26 SSW	24 SSW	22 SSW	18 SSW	SSW	SSW	13 SSW	13 SW	SW	SW	wsw	9 WSW	8 W	w	w	www	WNW	NW	NW	9 NNW	NNW	S	ESE	9 SSE
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	S	SSE	S 11	S 11	S 12	S 12	S 14	S 13	S 12	S 12	S 16	SSW 16	SSW 15	SSW	SSW	SSW	SSW 13	SSW 12	SSW 11	SW 11	SW 10	SW 9	WSW	WSW	W	W	W	WNW	WNW	NW	NW	NNW	NNW	SW	SE	SSE
11/12	9 17	11 18	11 19	19	12 22	13 22	23	22	22	13 22	24	25	25	14 22	13 21	15 20	17	16	15	14	13	13	12	11	10	á	9	á	9	9	á	8	8	8	8	9
,	SSE	SSE	S	S	s	s	s	s	s	s	s	SSW	ssw	SW	SSW			ssw	ssw	SW	SW	sw	wsw	wsw	w	w	w	WNW	WNW	NW	NW	NNW	NNW	WNW	Š	SSE
	10	12	11	11	14	14	15	14	12	13	15	17	18	16	14	18	16	15	14	13	12	11	10	9	9	8	9	9	9	8	8	7	6	5	5	6
1 & 2 Bravo	18	19 SSE	18 SSE	19 SSE	22 SSE	22 SSE	24	22	21	21 S	22 S	26 CCW	26 CCW	23	23	21 CCW	18	18 ccw	17 SSW	15 CW	14	14 cw	14 ew	13	11 W	11 W	11	11	10	9	9	9	8 NAMA	7	8	8
	SSE	33E	33E	33E	33E	33E	3	3	3	3	5	35W	SSW	SW	SSW	SSW	SSW	SSW	35W	sw	sw	SW	SW	wsw	W	W	W	WINW	WNW	NW	NW	NW	NNW	NW	SSW	3

Houston Pilots: Fri. 3/24/2023





Forecast Discussion

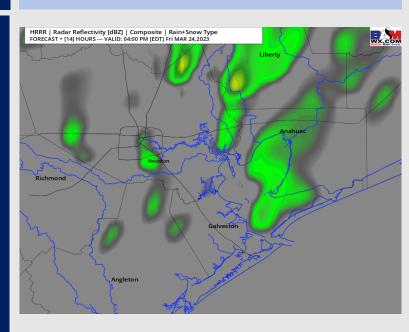
Precip: Threat for any stronger storms seems less likely based off latest data with the best threat remaining to the east. However some showers around the 1 – 5 PM timeframe will be possible. With some instability present, lightning cannot fully be ruled out.

Wind: Winds this morning are anticipated to generally be in the 8-13 knots range before picking up into the afternoon 11-16 knots (windier towards the boarding station) and gusts to 26 knots. Highest threat time for these gusts is from $11 \, \text{AM} - 8 \, \text{PM}$, with the potential lingering the longest towards the boarding station. South winds this AM will start to veer out of the SW after $3 \, \text{PM}$ where they will remain for the evening. After $6 \, \text{PM}$ winds across the northern half of station will start to weaken to 4-7 knots sustained while the southern half stations will be closer to 11-14 knots sustained

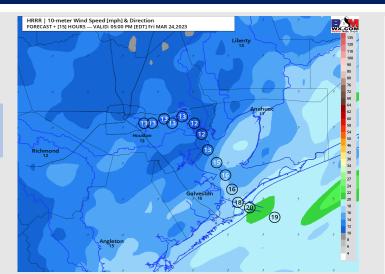
Temps: High temperatures this afternoon will be in the low 70s F near the boarding station and upper 70's/near 80 F for the other stations.

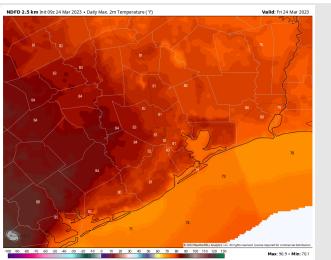
Visibility: More discussion of fog in slides 2/3.

Precip Forecast: 3 PM CT



Wind Speed 4 PM CT





High Temps Today

Houston Pilots: Sat. 3/25/2023





Forecast Discussion

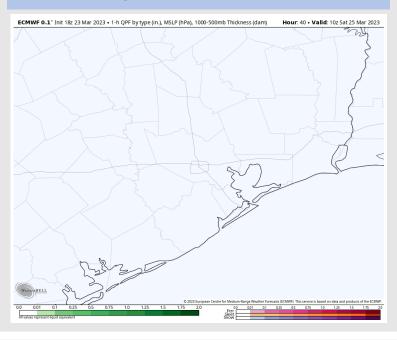
Precip: Favoring dry conditions throughout the day Saturday.

Wind: Winds Saturday will start out of the SW until 6 AM, where they will be from out of the NW. Winds will then shift to the SE by 6 PM. Wind speeds through 4 AM will be at 9-15 kts. After 4 AM, winds will die down to being 3-8 kts for the rest of the day.

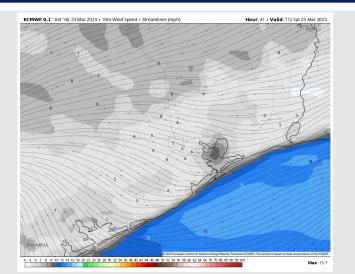
Temps: Anticipating high temperatures Saturday will be in the low 70s F near the boarding station and upper 70's/near 80 F for the other stations.

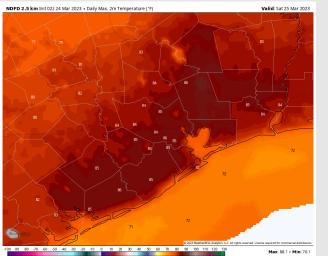
Visibility: More discussion of fog potential SAT AM on Slide 3.

Precip Forecast: 5 AM CT



Wind Speed 6 AM CT





High Temps Saturday

Houston Pilots: Sun. 3/26/2023





Forecast Discussion

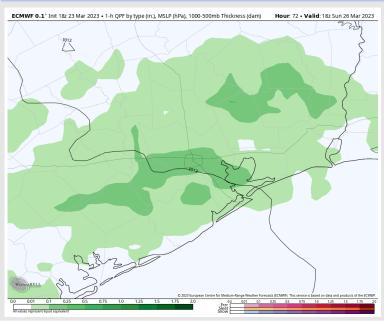
Precip: Favoring dry conditions until 8-9 AM CT Sunday. After 9 AM, favoring a 50-60% chance for showers/thunderstorms until 4 PM. After 4 PM, chances will drop to 20-30% for the rest of the day.

Wind: Favoring winds to be out of the SSE until around 5 AM CT when winds shift to out of the E until gradually shifting back to out of the SSE by 10 AM and remain that way for the rest of the day. Winds will be at 3-12 kts across all stations throughout the day Sunday.

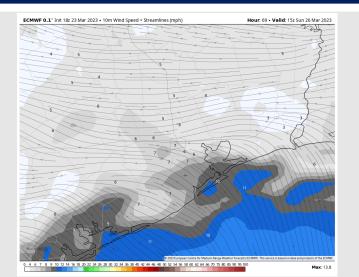
Temps: High temps Sunday will be in the low to mid 70s F across all stations.

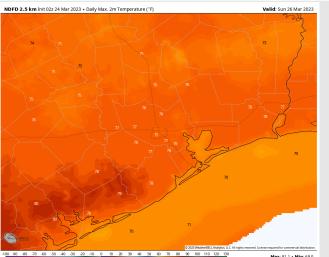
Visibility: Winds out of the S accompanied by low level moisture keep sea fog risks in play, but very low confidence and potential.

Precip Forecast: 1 PM CT



Wind Speed 10 AM CT



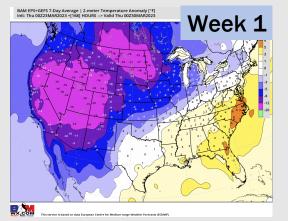


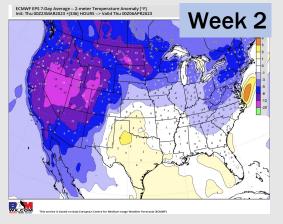
Low Temps Friday AM

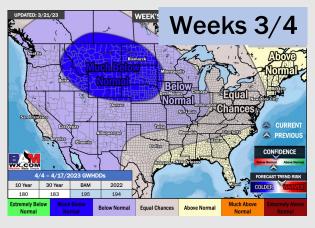
Houston Pilots: 3/24/23

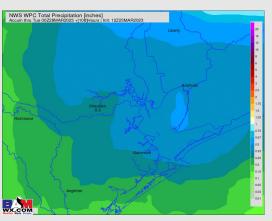


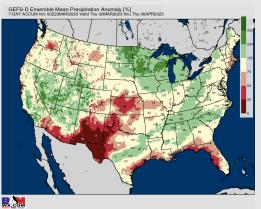














- Rain chances late today and starting again Sunday, continuing into the first part of the week. Temperatures are expected to be slightly above normal over the next seven days.
- Expecting below normal precipitation chances and slightly above normal temperatures extending into the week 2 timeframe.
- Anticipating above normal temperatures and above normal chances for precipitation favored in the week 3/4 timeframe.