Houston Pilots Forecast Package

Updated: 2:00 PM CT

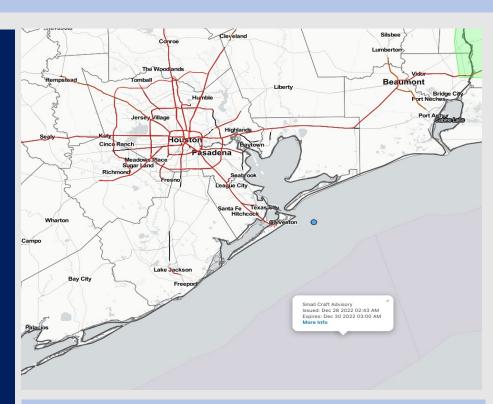
Wednesday, December 28, 2022

Forecaster: Vince Bryan



Weather Headlines

- Moisture chances work back into the picture later tonight and through Friday. Weekend rain chances look minimal before the next round of precip coming early next week.
- Reduced visibility concerns work back into the picture late tonight as winds turn out of the S/SE for the next several days. Whether reduced visibility comes in the way of fog/ precipitation/ very low clouds....etc. still needs refined, but the threat for poor visibility will be on the table periodically from tonight out through the weekend (more on the slides below).
- Eyeing elevated winds Thursday/ Friday, and again next Monday.
- Wave heights at the boarding station could approach4-6 feet between daybreak Thu and daybreak Fri.



Radar/NWS Alerts: 2:00 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

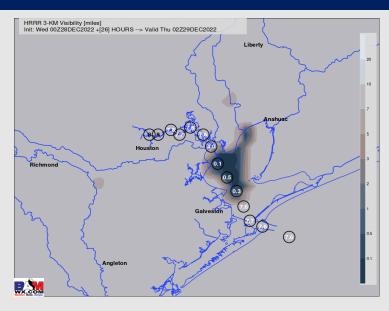


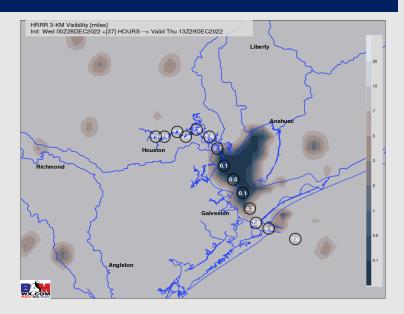


8 PM CT WED VISIBILITY

7 AM CT THU VISIBILITY

Confidence







TIME	THREAT
7 PM WED - 7	LOW - MEDIUM
AM THU	

- The next 12-18 hours in terms of sea fog potential still has higher uncertainty vs average as the setup is not "ideal" for formation, however there is enough support for there to be a patchy fog risk beginning this evening and the potential continuing into the AM hours of Thursday.
- Biggest risk for development will come South of Morgan's Point, and any fog that does develop can likely stick around the area into the mid-AM hours of Thursday. To be clear, it is unlikely that fog lingers in any one given spot for the entire time window with no breaks/let ups. Forecasted % of development is around 60% as again, there is some uncertainty on the progression of things.
- Within the 12 hour timeframe, the highest risk period comes between 2-7 AM THU. Any reduced visibility via precip/fog/ low clouds could be on the order of <1-2 miles in a *patchy* nature.

Houston Pilots Visibility Report

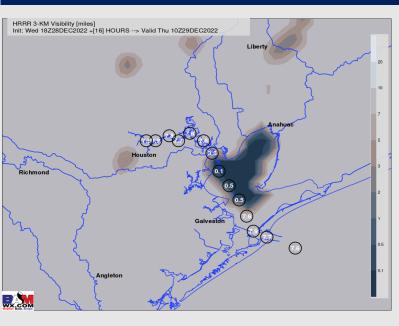


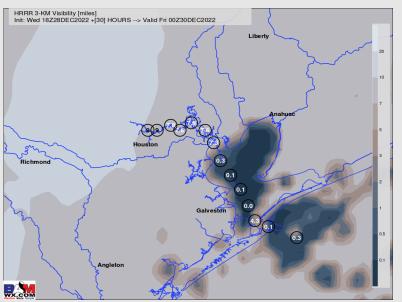


8 AM CT THU VISIBILITY

6 PM CT THU VISIBILITY

Confidence







TIME	THREAT
8 AM THU - 8	MEDIUM
PM THU	

- Any reduced visibility around the area can likely continue into the mid-morning hours of tomorrow (~10-11AM). Beyond this, there is likely a relax of any fog potential, however there can still be pockets of lowered visibilities thanks to lower clouds and pockets of drizzle/light rain showers.
- Working past the mid-afternoon hours (~5-6 PM), fog potential will be on the rise again. There is slightly better confidence in evening fog Thursday night vs any potential prior to that.
- This threat exists for all stations, however the main threats look to sit along and south of Morgan's Point.

Houston Pilots Extended Range Visibility Report





Possible

Saturday 12/31/22

Fog risk on Saturday will be unlikely as winds favor a NW direction.

Sunday 1/1/23

Fog risk will be possible into Sunday, as winds will be from the S in a favorable 10 – 15-kt range.

Above Below Normal

Monday 1/2/23

Monday's winds will need to be watched carefully as there are very near being too strong for fog. Otherwise, this would be a good fog setup.

Confidence										
Above	Below									
Normal	Normal									



Chance for Reduced Visibility

Offarice for Reduced Vis	Sibility						
Saturday AM	Unlikely						
Saturday PM	Unlikely						

Monday PM

•	
Sunday AM	Possible
Sunday PM	Possible
Monday AM	Possible

Houston Pilots Visibility Report





Above Below Normal

Time	Wed 12pm			Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm		Wed 9pm	Wed 10pm	Wed 11pm	Thu 12am	Thu 1am	Thu 2am	Thu 3am	Thu 4am	Thu 5am		Thu 7am	Thu 8am	Thu 9am	Thu 10am		Thu 12pm	Thu 1pm	Thu 2pm	Thu 3pm		Thu 5pm	Thu 6pm	Thu 7pm	Thu 8pm		Thu 10pm	
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	6	3	3	4	6	10	10	10	10	9	8	6	6	6	6	5	5	5
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	4	4	5	7	10	10	10	10	9	8	6	6	6	6	5	5	5
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	6	5	6	7	10	10	10	10	9	8	6	6	6	6	5	5	5
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	6	6	6	7	10	10	10	10	9	7	7	6	6	6	5	4	5
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	6	6	6	7	10	10	10	10	9	7	7	6	6	6	5	4	5
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	7	6	6	6	7	10	10	10	10	9	7	7	6	6	5	5	4	4
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	7	6	6	6	7	10	10	10	10	9	7	7	7	6	5	5	4	4
75/76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	7	7	6	6	6	7	9	10	10	10	9	7	7	7	6	5	5	4	4
63/64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	6	6	6	6	9	10	10	10	8	7	7	6	6	5	5	4	4
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37/38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	4	5	6	9	10	9	9	8	7	6	6	6	5	5	5	5
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1 & 2 Bravo	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	8	4	4	4	5	6	6	7	7	6	5	5	4	5	5	4	4	6

Please check visibility slides above for official thinking on fog as this chart may not be 100% perfect.

Houston Pilots Wind Report







Sustained wind 13 Knots

Gusts 18 Knots

Wind from the N

Example

WS: 13 G:18 N

Time	Wed	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu	Thu											
Knots	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm
	15	14	14	14	13	11	7	7	7	7	7	7	8	5	4	8	7	7	6	6	6	7	9	10	11	11	11	11	11	11	9	7	7	8	8	7
610 Bridge	24	25	25	23	23	22	15	15	16	15	13	16	17	12	13	13	12	12	11	11	11	12	15	18	18	19	20	19	19	19	16	16	15	15	17	16
_	S	SSW	SSW	S	S	S	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	S
	15	14	14	14	13	10	7	7	7	7	6	7	8	5	4	7	7	7	6	5	6	7	8	10	10	11	11	10	10	10	8	7	7	7	7	7
Kinder 1	24	24	25	23	23	22	15	15	16	14	13	15	17	12	13	13	12	12	11	11	11	12	15	17	18	18	19	19	19	18	16	16	15	15	16	16
	S	SSW	SSW	S	S	S	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	5	S 44	S	S	S	S	SSE	SSE	SSE	SSE	SSE	S
Greens	14 24	14 24	14 25	14 23	13 23	10 22	7 15	7 14	7 15	13	6 14	8 16	9 17	5 12	13	12	11	12	11	5 11	6 10	12	8 15	10 17	10 17	11 17	11 19	10 18	11 18	10 18	8 16	8 16	15	14	15	15
Bayou	S	SSW	SSW	S	S	S	SSE	SSE	SSE	SSE	S	S	S S	S	S	5	S	5	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SE	SSE	SSE	SSE	S
	15	14	14	14	13	10	7	7	7	7	7	8	9	5	4	7	7	7	7	6	6	7	8	10	11	11	12	11	11	10	9	8	8	8	8	8
Shell Crude	24	24	24	22	23	22	15	15	16	13	15	18	17	13	13	13	12	11	11	10	11	12	14	16	17	17	19	18	18	17	16	15	16	16	16	16
	S	SSW	SSW	S	S	S	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	S
Lynchburg	14	14	14	14	13	10	7	7	8	8	8	9	9	6	5	9	9	8	8	8	8	8	9	10	11	11	11	11	11	10	10	10	10	10	10	9
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Exxon 3	14 24	14 22	14 22	14 22	13 23	10 22	9 16	9 16	10 17	9 17	10 18	10 18	9 17	9 17	16	1/1	9 13	11	8 11	8	8 10	8 10	9 13	10 15	11 16	11 17	11 18	11 18	11 18	10 16	10 15	10 16	10 16	10 17	10 17	10 17
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Morgans	23	22	21	22	23	20	15	17	19	18	19	20	20	19	16	15	13	12	11	11	12	12	13	14	16	17	17	17	17	16	15	18	18	19	18	18
Point	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
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63/64	24	24	13 21	21	12 22	12 17	11 15	11 17	12 17	12 18	12 19	12 19	14 25	13 23	10 16	11 16	10 1/1	10 13	9 12	10 12	10 13	10 12	14	10 14	12 16	11 16	11 17	11 16	10 15	15	10 15	11 17	11 17	12 19	12 19	11 19
03/04	S	S	S	S	S	SSE	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SE	SSE	SSE	SSE	SSE	SSE						
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-	S	S	S	S	S	SSE	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE						
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	S 14	S 12	S 12	S 11	5	SSE	SSE	SSE	SSE	SSE	SSE	S 12	S 12	SSW	12	S 12	5	S 11	S	S	S	S 11	S 12	S 12	12	S 11	S 12	S 11	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
25/26	14 24	13 24	12 21	11 21	11 18	11 14	10 16	10 15	11 18	12 18	12 20	12 23	13 23	12 18	12 22	12 17	11 16	11 14	10 14	10 14	11 13	11 14	12 14	12 15	12 16	11 16	12 16	11 15	12 15	12 15	12 16	12 17	13 18	13 19	13 19	13 20
25/20	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	\$	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	20 S
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-	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
	11	11	9	10	9	9	11	11	11	13	12	14	14	15	13	13	13	12	12	12	12	12	13	12	12	12	12	12	12	12	12	13	13	14	14	14
1 & 2 Bravo	19	20	18	16	15	15	18	18	18	20	20	23	25	26	24	18	17	16	15	14	15	15	15	16	16	15	15	15	15	15	16	17	18	20	21	22
	SSE	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S						

Houston Pilots: Wed. 12/28/2022





Forecast Discussion

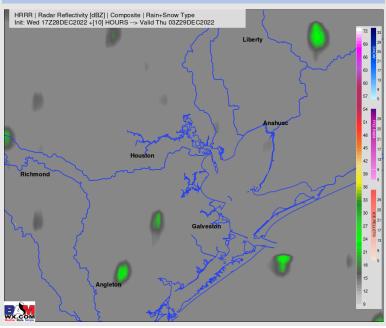
Precip: After the ~7 PM timeframe where a few isolated showers can start to work into the boarding station area. These will continue in a very hit and miss fashion through the overnight and into the morning hours of Thursday.

Wind: Winds will consistently be out of the SE with sustained winds 10-15 knots with gusts at times to 15-20 knots.

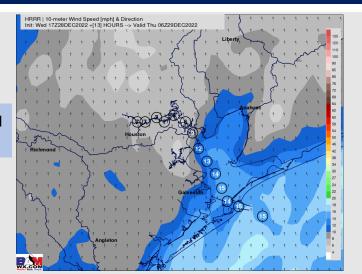
Temps: Lows fall back into the low to mid 60s.

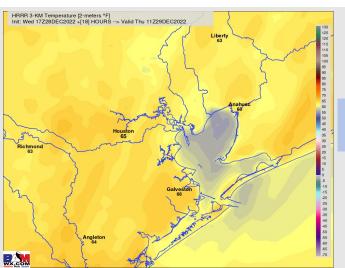
Visibility: Check visibility slides above for more details on fog potential this evening.

Precip Forecast: 9 PM CT



Wind Speed 11 AM CT





Low Temps Tonight

Houston Pilots: Thur. 12/29/2022





Forecast Discussion

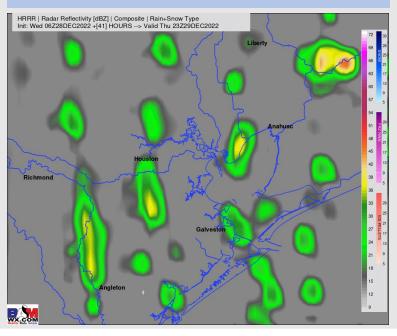
Precip: Anticipating pockets of light to moderate rain showers around the area through 4 PM (there will be breaks in the rain over the day). After ~mid afternoon, coverage looks to increase some and chances pick up closer to 70% for the evening. The evening hours will also be when the threat of a few locally stronger thunderstorms are possible (better risk sits North of the stations).

Wind: Sustained winds from the SSE for the entire day. Winds will be around 8-13kts across all station with a couple of pockets reaching 15 kts, especially south of Morgan's Point between 8 PM – 12 AM.

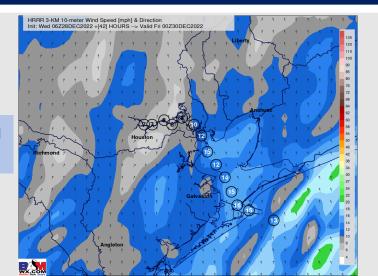
Temps: High temps Thursday will be in the Mid 70s F north of Morgan's Point and in the mid 60s to near 70 F south of Morgan's Point.

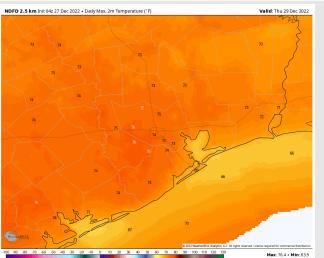
Visibility: Check the slides above for more on reduced visibility potential Thursday.

Precip Forecast: 5 PM CT



Wind Speed 5 PM CT





High Temps Thursday

Houston Pilots: Fri. 12/30/2022





Forecast Discussion

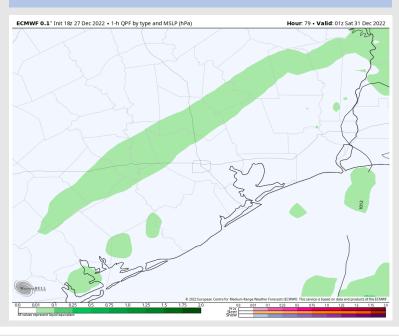
Precip: Exiting rain showers in the morning will look to clear out by 6 AM, but pockets of drizzle will be possible (10% chance) for the remainder of the day.

Wind: Southerly winds in the AM will shift from the North by 11 AM and then veer more from the NE by 5 PM and remain as such for the evening. Winds will generally be in the 5 – 10-kt range for the majority of the day, with pockets of elevated winds at 10 – 14 kts from 1 – 5 AM. Wind gusts can be up to 20 kts from 12 – 4 AM.

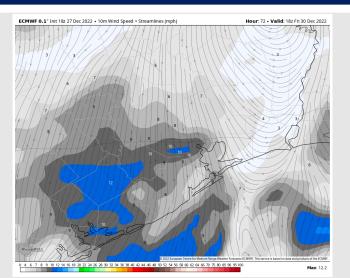
Temps: High temps Friday will be in the lower 70s F north of Morgan's Point and in the mid to upper 60s F south of Morgan's Point.

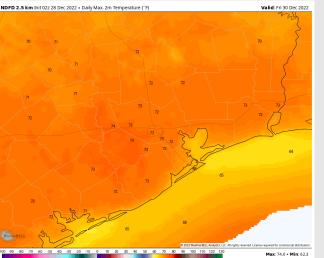
Visibility: Fog concerns will be a possibility here (eyeing the 3 AM -12 PM window) as winds will be from the S in the AM with plenty of low-level moisture. By the afternoon, the winds shifting from the north should clear any fog concerns.

Precip Forecast: 7 PM CT



Wind Speed 12 PM CT



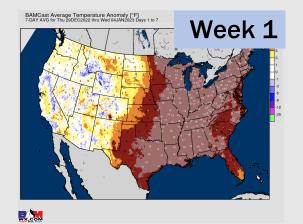


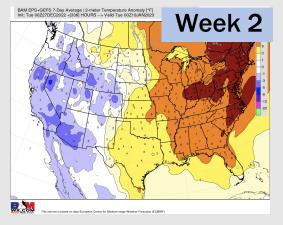
High Temps Friday

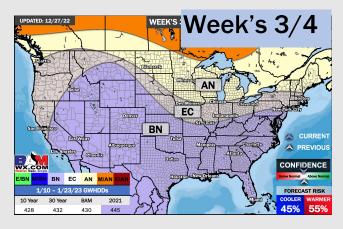
Houston Pilots: 12/28/22

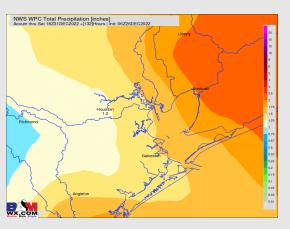


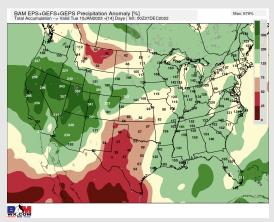


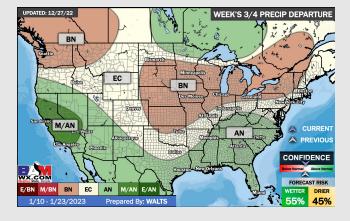












- After chances rain are in the forecast Thursday/ Friday, an overall quieter weekend is expected before rainfall picks back up early next week. Above average temps are favored moving forward.
- Week 2 precipitation is expected to be above normal for the week 2 timeframe.
 Temperatures are to be much above normal.
- ► Above normal moisture and cooler weather is expected in the weeks 3/4 timeframe.