

Houston Pilots Forecast Package



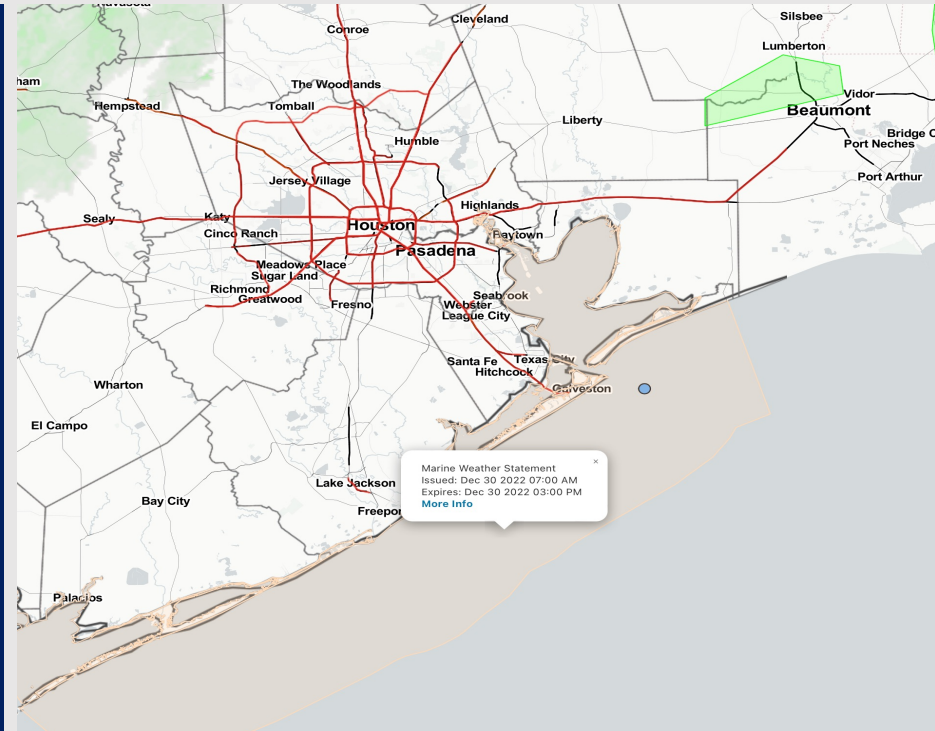
Updated: 5:00 AM CT

Saturday, December 31, 2022

Forecaster: Alyssa McClung

Weather Headlines

- **Reduced visibility concerns will be likely throughout the morning hours, with a window between 12 PM - 9 PM today of improved visibility. Fog looks to work back in Saturday night into Sunday Morning.**
- **We do not believe the forecast on the 36-hour visibility chart is 100% accurate, please reference out visibility slides below for official BAM thoughts.**
- **Outside a few spotty showers Sunday PM, a mainly dry weekend is in store. Rain chances return Monday AM and continue through Tuesday.**
- **Elevated winds work back into the cards Monday before a front works back in Tuesday and wipes out the fog threat for a few days. Wind gusts Monday have potential to be in the 28 - 35-kt range.**



Radar/NWS Alerts: 5:00 AM CT



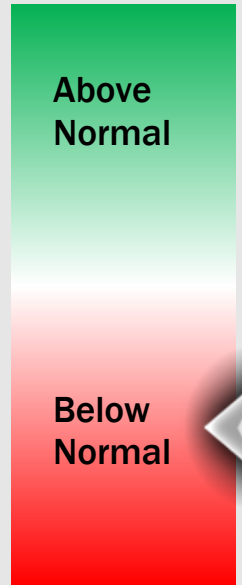
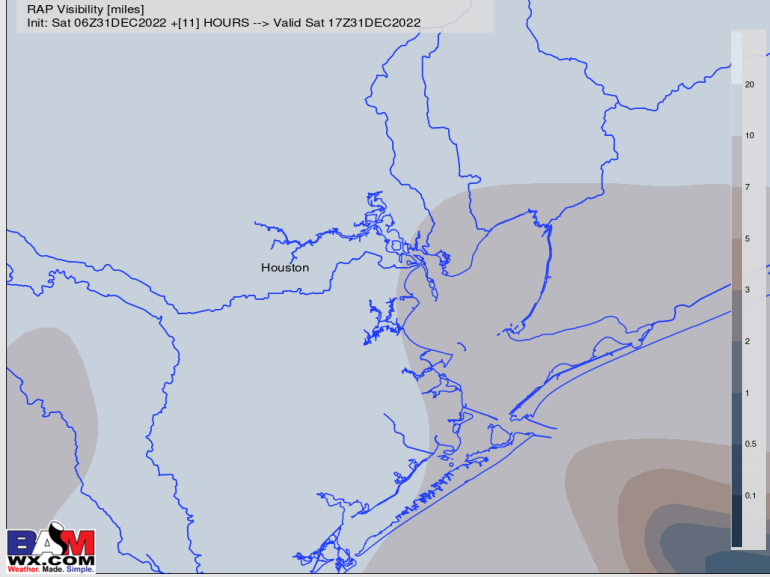
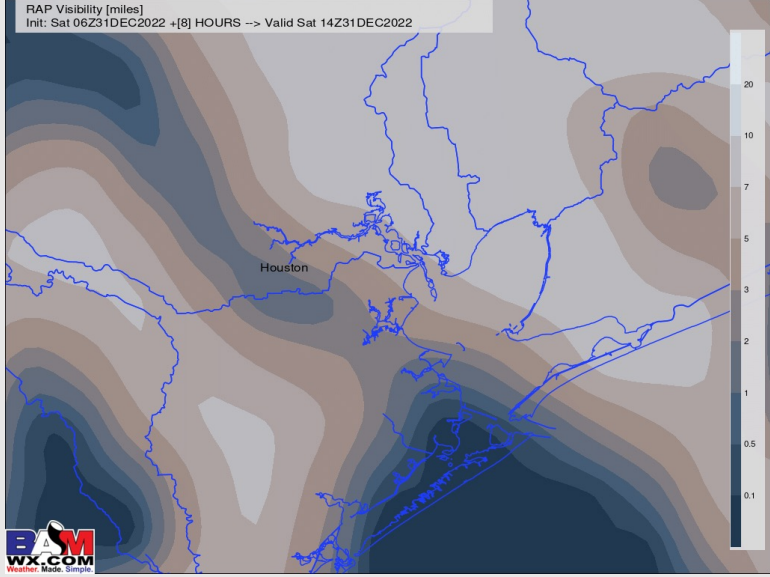
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



8 AM CT SAT VISIBILITY 11 AM CT FRI VISIBILITY

Confidence



TIME	THREAT
Now - 12 PM SAT	Medium

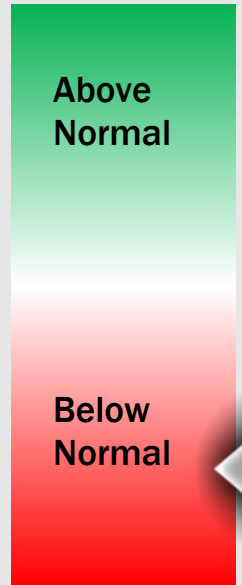
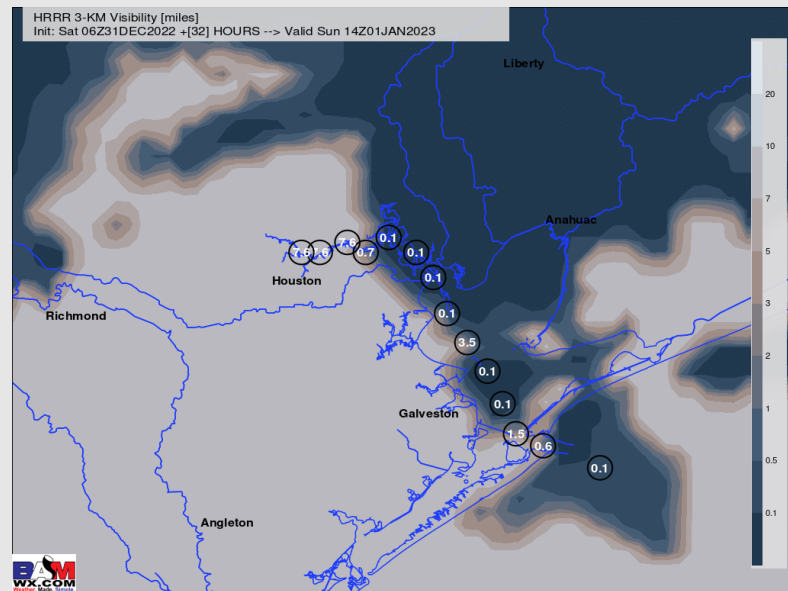
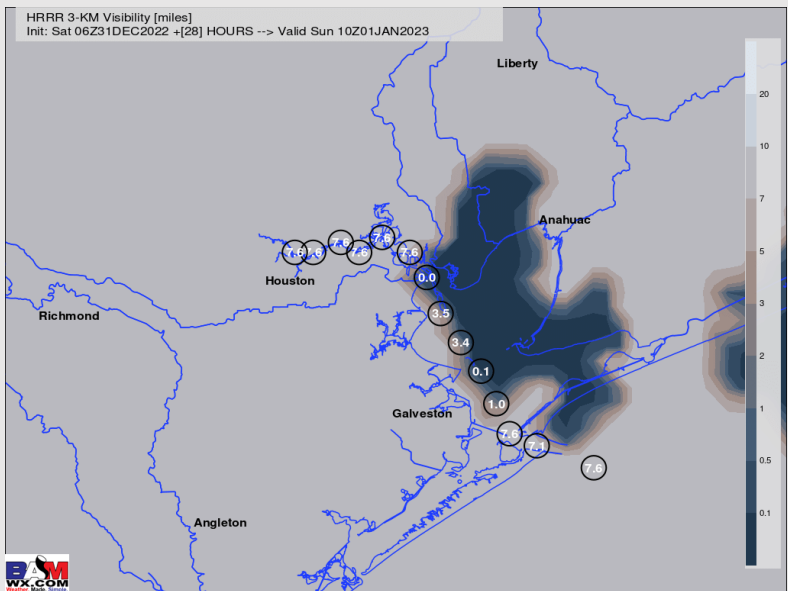
- Model data has been running air temperatures colder than observed, creating a larger spread in areas of reduced visibility, which is too aggressive
- All stations are at risk for reduced visibilities of 1 – 3 miles this morning. Favoring visibilities to improves across all stations North of Morgan’s Point after 9 AM, followed by stations south of Morgan’s Point by 12 PM.
- Some isolated cases of patchy dense fog with visibilities of 0.5 miles will also continue to be a risk out through 9 AM.
- Low confidence for timing and coverage for this fog risk continues.

Houston Pilots Visibility Report



4 AM CT SUN VISIBILITY 8 AM CT SUN VISIBILITY

Confidence



TIME	THREAT
10 PM SAT - 10 AM SUN	Med - High

- Low Confidence exists again for when fog will initialize over the area Saturday night, but currently favoring post 9 PM for fog to build back into the region.
- By 2 AM, favoring widespread fog (visibility less than 1 mile) with the greatest chances for dense fog (visibility less than 0.5) to be found south of Station 63/64. Fog will continue to be dense throughout the morning hours.
- By the late morning hours, Low level moisture and spotty showers will help aid in saturation and allow for a continuation of dense fog. Patchy fog will be possible north of Morgan's Point by 10 AM, however favoring more of a mist during the late morning hours.

Houston Pilots Extended Range Visibility Report



Tuesday 1/3/23

A front passing in the AM hours of Tuesday will limit the threat of fog working into Tuesday.



Thursday 1/5/23

Winds will again be Northwesterly, making fog highly unlikely



Wednesday 1/4/23

Winds out of the North will limit fog chances to near zero



Chance for Reduced Visibility

Tuesday AM	Unlikely
Tuesday PM	Unlikely
Wednesday AM	Unlikely
Wednesday PM	Unlikely
Thursday AM	Unlikely
Thursday PM	Unlikely

Houston Pilots Visibility Report



Time	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	Sat 5pm	Sat 6pm	Sat 7pm	Sat 8pm	Sat 9pm	Sat 10pm	Sat 11pm	Sun 12am	Sun 1am	Sun 2am	Sun 3am	Sun 4am	Sun 5am	Sun 6am	Sun 7am	Sun 8am	Sun 9am	Sun 10am	Sun 11am	Sun 12pm	Sun 1pm	Sun 2pm	Sun 3pm		
610 Bridge	8	5	3	4	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	4	0.48	0.35	0.24	0.24	2	5	7	10	10	10	10		
Kinder 1	8	5	3	4	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	4	1	1	0.36	0.3	3	5	7	10	10	10	10		
Greens Bayou	8	5	3	4	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	4	3	3	0.43	0.32	4	6	8	10	10	10	10		
Shell Crude	8	5	3	4	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	7	6	3	3	0.43	0.32	5	8	8	10	10	10	10		
Lynchburg Ferries	8	5	3	4	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	6	3	3	0.43	0.32	5	8	8	10	10	10	10		
Exxon 3	8	4	3	2	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	3	3	0.43	0.32	5	8	8	10	10	10	10		
Morgans Point	7	4	3	1	2	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	4	4	0.85	0.32	7	8	8	9	10	10	10		
75/76	7	4	3	1	0.53	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	4	4	0.95	0.32	7	8	8	8	10	10	10		
63/64	6	4	3	1	0.29	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	6	4	4	1	0.24	7	8	8	8	8	9	9		
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37/38	5	3	2	1	0.29	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	6	6	5	5	5	5	2	6	6	8	8	8	8	8	
25/26	4	2	0.48	0.48	0.29	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	7	7	7	5	6	6	8	8	8	8	8	
11/12	4	2	0.48	0.48	0.29	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	6	7	7	7	7	7	7	5	5	7	7	8	8	7	
1 & 2 Bravo	2	0.48	0.48	0.48	0.29	2	7	10	10	10	10	10	10	10	10	10	9	9	9	8	8	8	8	8	8	8	8	8	8	8	5	4	4	4	4	4	4	4

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

Houston Pilots: sat. 12/31/2022



Forecast Discussion

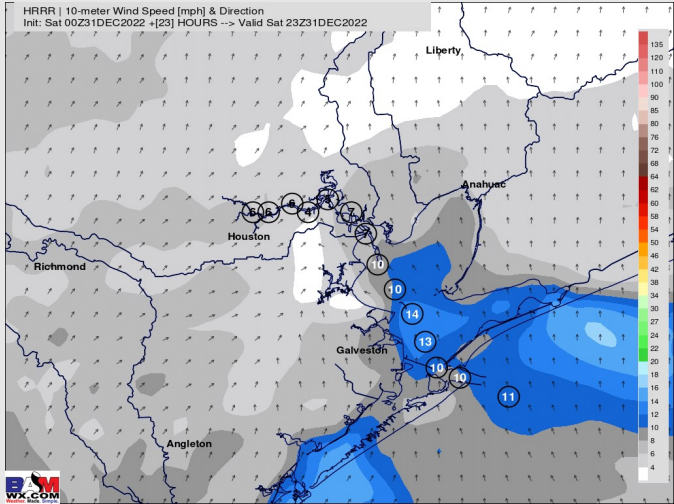
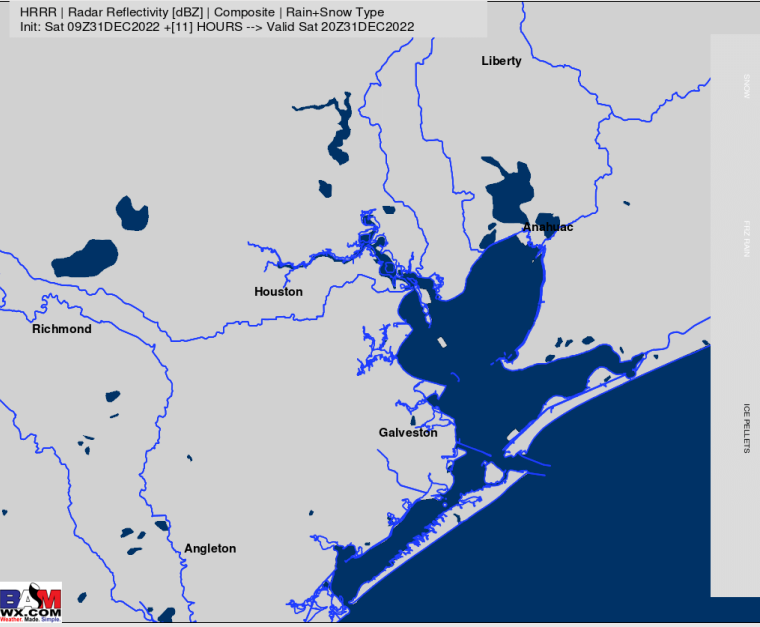
Precip: Anticipating dry conditions throughout the day on Saturday.

Wind: Winds generally out of the west this morning 3 – 8 kts. Winds will become more variable getting into the lunch timeframe still fairly calm before veering out of the S/SE around 4 PM (and continuing the rest of the day) at 8 – 13 kts with gusts of 15 – 20 kts possible.

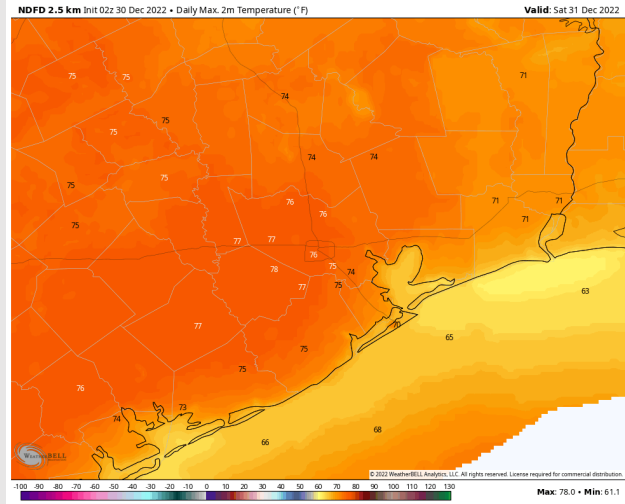
Temps: High temperatures on Saturday will be in the mid to upper 70s F north of Morgan’s Point and near 70 F to upper 60s F south of Morgan’s Point.

Visibility: Weak winds will allow for potential fog in the AM hours even though winds will be out of the NW.

Precip Forecast: 2 PM CT



Wind Speed
5 PM CT



High Temps
Saturday

Houston Pilots: Sun. 1/1/2022



Forecast Discussion

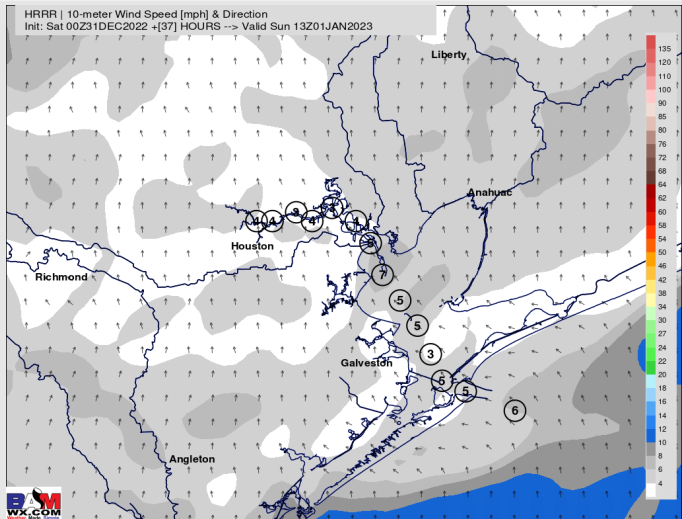
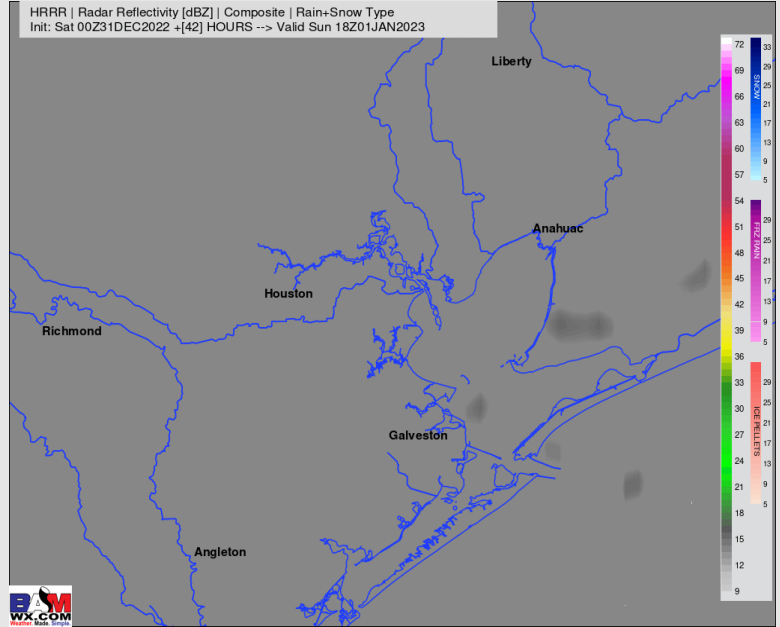
Precip: Favoring dry conditions throughout the day Sunday. A low-end chance (10%) for spotty showers will be possible from 11 AM – 4 PM.

Wind: Sustained winds out of the SE at 5-10 kts for all stations early Sunday AM. After 10 AM CT, favoring winds for all stations to increase to 8-13 kts until 1 PM CT. After 1 PM, favoring winds to gradually shift to out of the S and increase to 9-15 kts for all stations for the rest of the day.

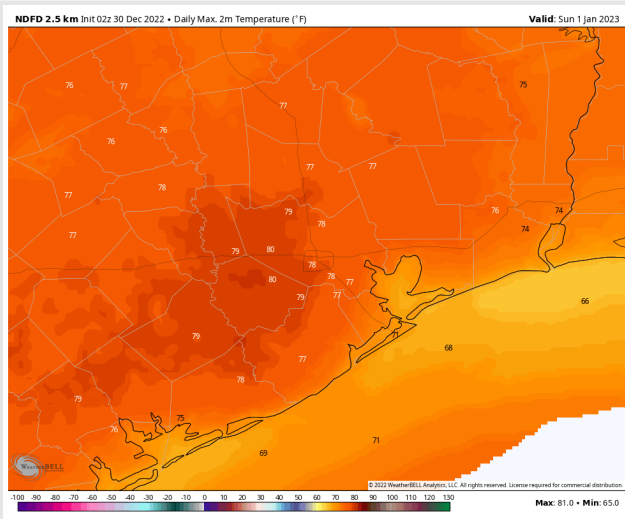
Temps: High temperatures in the upper 60s F near the boring station and in the lower 70s F for all other stations.

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

Precip Forecast: 8 PM CT



Wind Speed
1 PM CT



High Temps
Sunday

Houston Pilots: Mon. 1/2/2022



Forecast Discussion

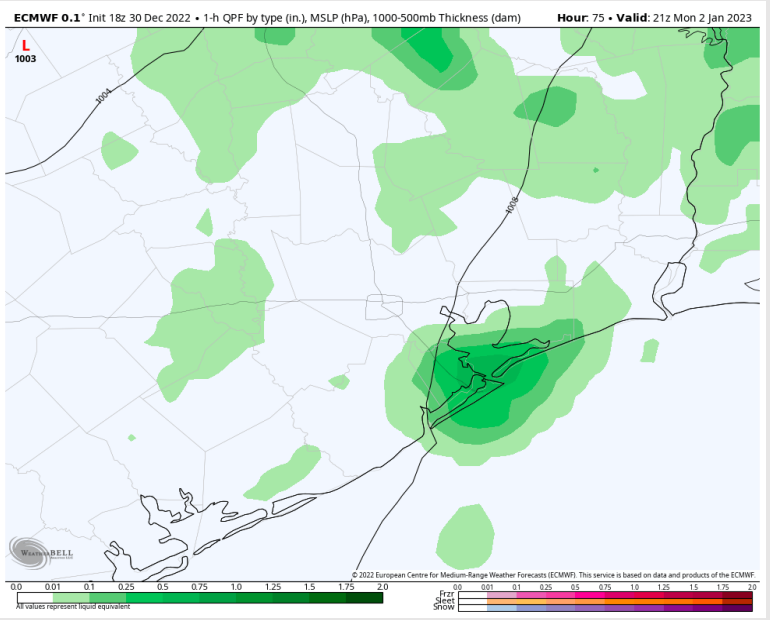
Precip: Favoring dry conditions until 7 AM. Post 7 AM, rain chances will slowly fill in the area, and increase in coverage. Favoring higher chances of rain and an isolated heavier pocket during the 2 PM – 8 PM window. After 8 PM spotty showers will linger throughout the overnight.

Wind: Sustained winds will be from the south for the majority of the day, veering from the SSW by 8 PM. Winds will be increasing during the AM hours to 16 – 22 kts across all stations between 10 AM – 5 PM. After 5 PM winds will weaken slightly North of Morgan’s Point to 11 –14 kts and 15 – 21 kts S of Morgan’s Point. **Wind gusts will be highest between 10 AM – 5 PM across all stations at 28 – 35 kts.**

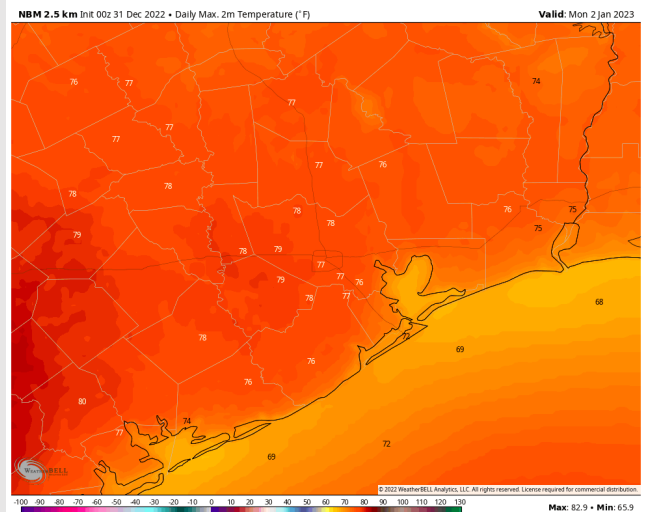
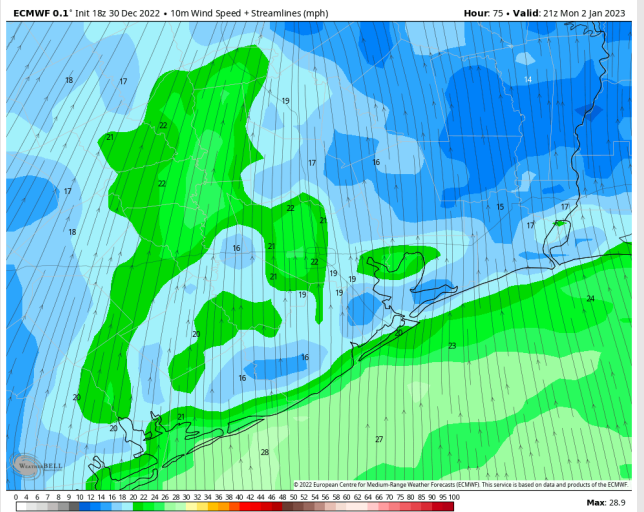
Temps: High temperatures Monday will be in the mid 70s F north of Morgan’s Point, and in the upper 60s to low 70s F south of Morgan’s Point.

Visibility: Visibility concerns from fog will be possible in the AM hours mainly south of 51/52; however, winds may be a tad too strong to prompt sea fog even with southerly winds.

Precip Forecast: 3 PM CT

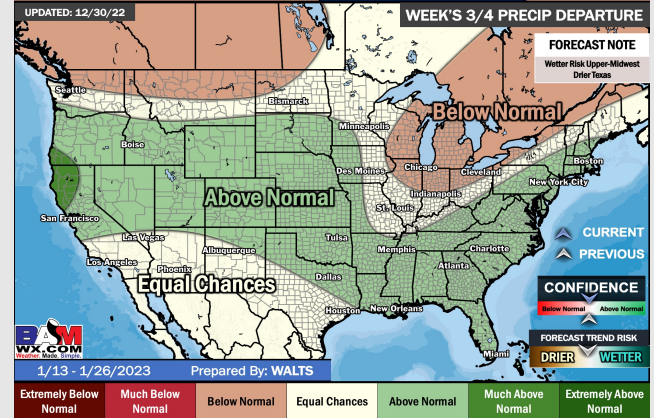
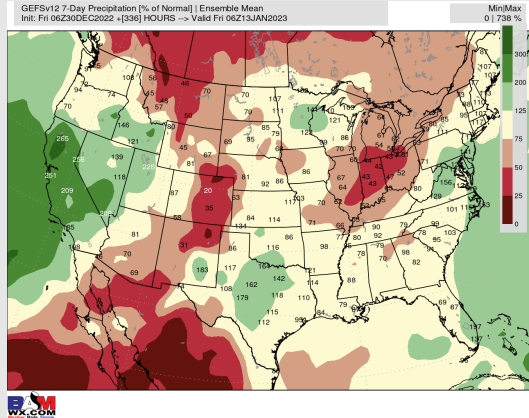
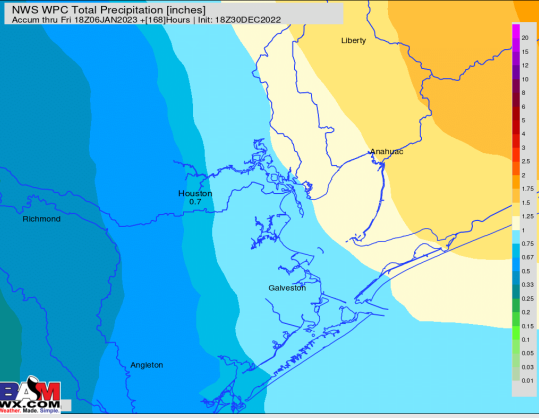
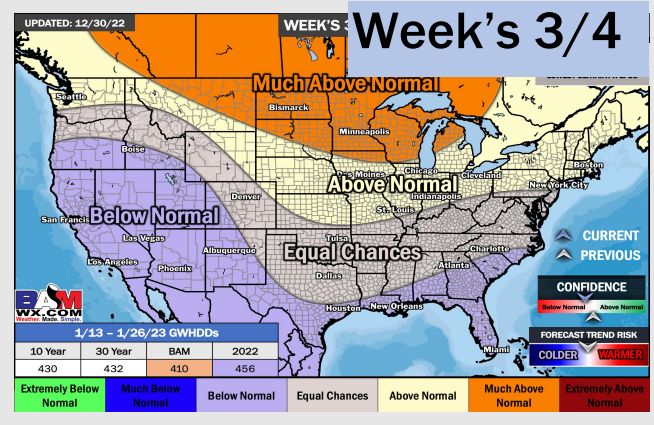
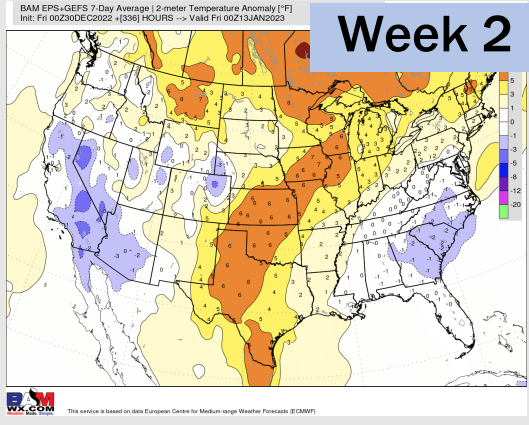
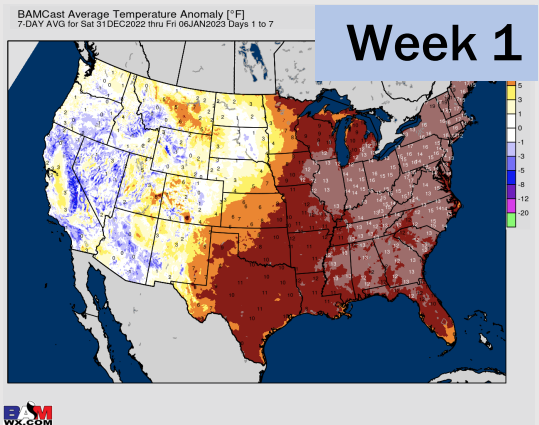


Wind Speed
3 PM CT



High Temps
Monday

Houston Pilots: 12/31/22



- Rain chances are limited this weekend with Monday and Tuesday looking like rather high chances for precip. Mid to late next week will be on the drier side. Temperatures expected to be much above average.
- Week 2 precipitation is expected to be near normal for the week 2 timeframe. Temperatures are to be above normal.
- Near normal precip chances and cooler weather is expected in the weeks 3/4 timeframe.