

**Updated: 6:00 AM CT Saturday, January 23, 2021**

➤ 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.



# Visibility Report

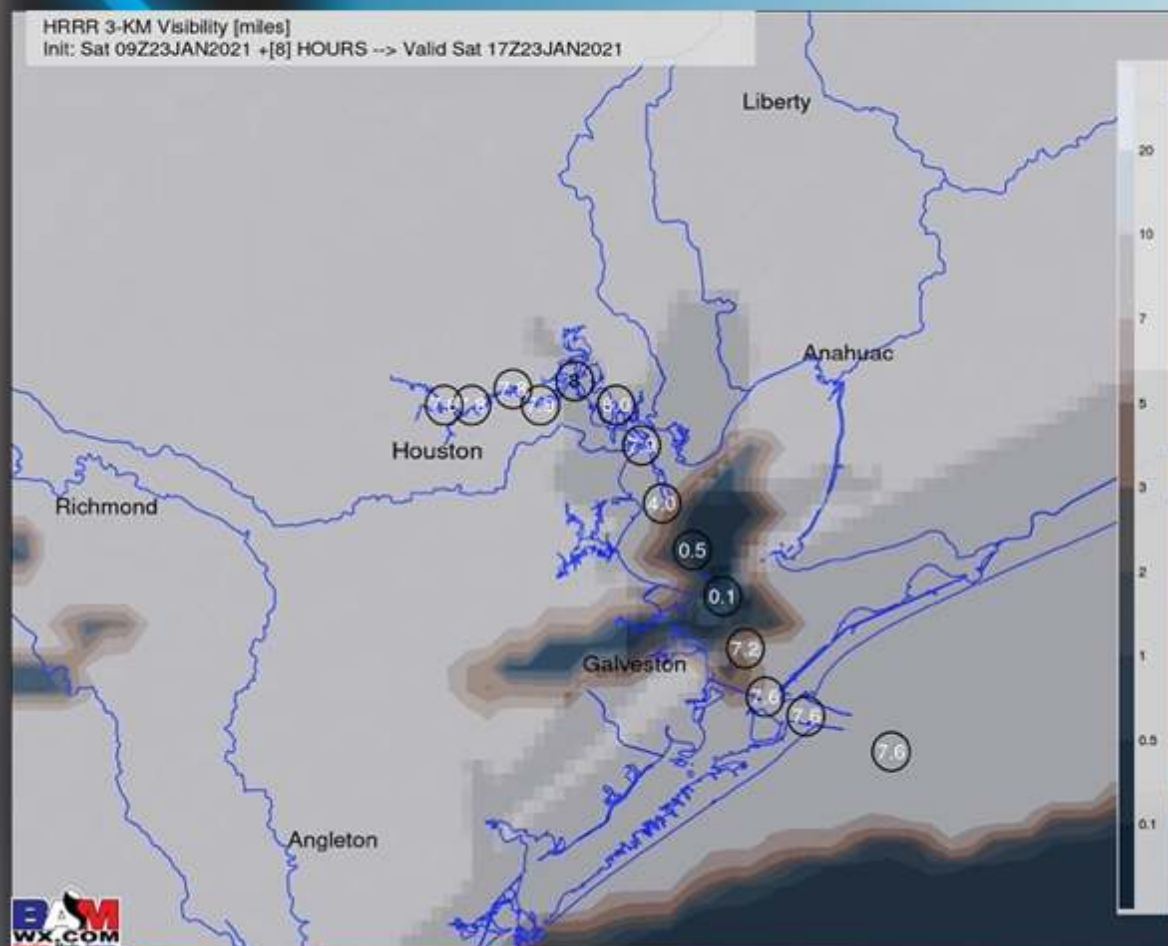
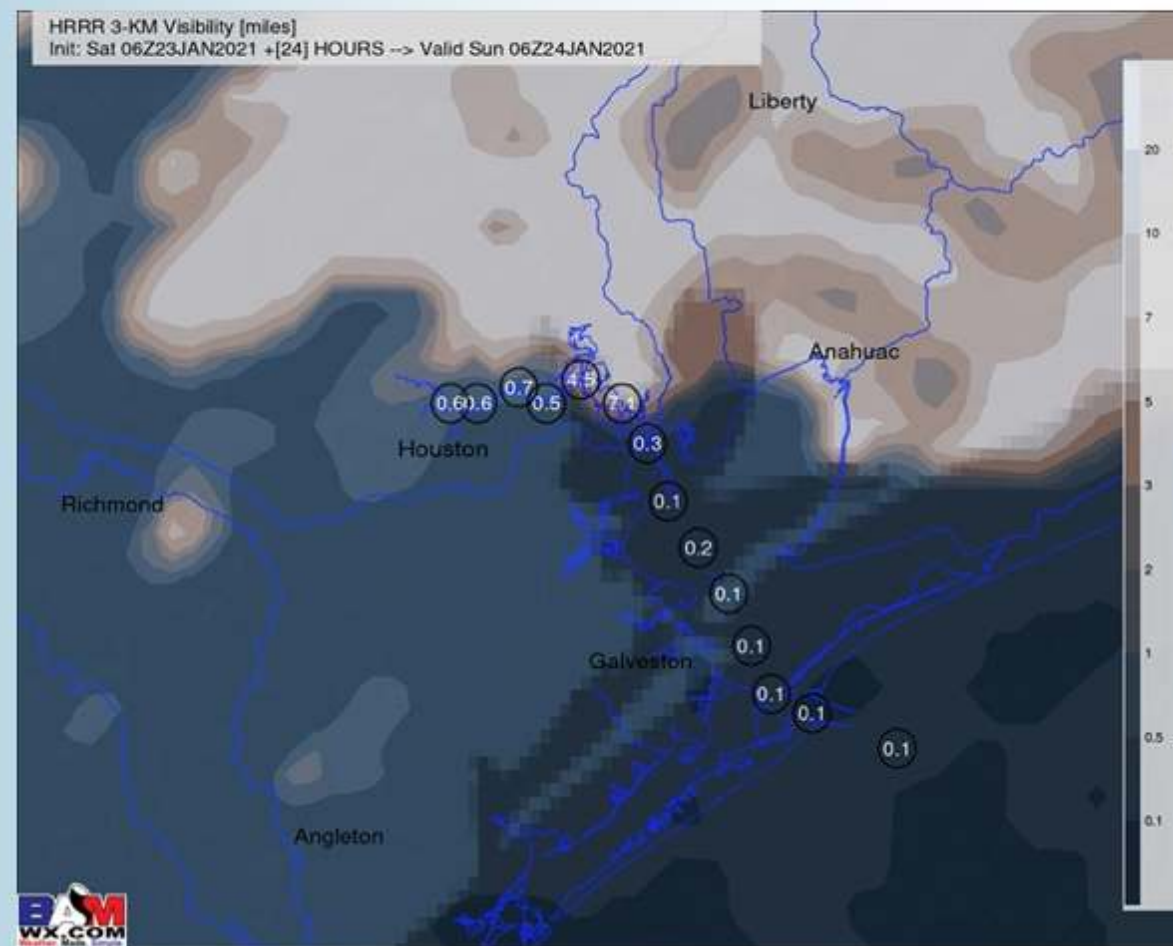
Saturday, January 23, 2021

## HOURLY VISIBILITY BREAKDOWN (in miles)

Time	01-23-2021 Sat 5am	01-23-2021 Sat 6am	01-23-2021 Sat 7am	01-23-2021 Sat 8am	01-23-2021 Sat 9am	01-23-2021 Sat 10am	01-23-2021 Sat 11am	01-23-2021 Sat 12pm	01-23-2021 Sat 1pm	01-23-2021 Sat 2pm	01-23-2021 Sat 3pm	01-23-2021 Sat 4pm	01-23-2021 Sat 5pm	01-23-2021 Sat 6pm	01-23-2021 Sat 7pm	01-23-2021 Sat 8pm	01-23-2021 Sat 9pm	01-23-2021 Sat 10pm	01-23-2021 Sat 11pm	01-24-2021 Sun 12am	01-24-2021 Sun 1am	01-24-2021 Sun 2am	01-24-2021 Sun 3am	01-24-2021 Sun 4am	01-24-2021 Sun 5am	01-24-2021 Sun 6am	01-24-2021 Sun 7am	01-24-2021 Sun 8am	01-24-2021 Sun 9am	01-24-2021 Sun 10am	01-24-2021 Sun 11am	01-24-2021 Sun 12pm	01-24-2021 Sun 1pm	01-24-2021 Sun 2pm	01-24-2021 Sun 3pm	01-24-2021 Sun 4pm
Houston Pilots A - 1 & 2 Bravo	0.72	1.59	1.37	0.72	1.11	1.59	1.99	2.47	3.90	3.74	0.65	0.72	0.72	0.72	0.72	0.48	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	0.12	0.16	0.16	0.12	0.12	1.89
Houston Pilots B - 11/12	0.72	0.72	1.59	1.11	1.59	2.67	2.94	3.90	4.93	6.33	2.58	1.11	0.87	1.11	0.72	0.48	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	0.12	0.16	0.16	0.81	1.16	1.64
Houston Pilots C - 25/26	0.72	0.72	1.59	1.11	1.99	2.94	3.32	3.90	4.93	6.92	4.49	1.11	1.11	1.11	0.72	0.48	0.19	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	0.38	0.98	0.98	1.71	2.18	1.84
Houston Pilots D - 37/38	0.72	0.72	1.59	1.11	1.99	2.94	3.90	3.90	2.69	6.92	6.92	1.11	1.11	1.11	1.11	0.72	0.75	0.34	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	1.43	1.80	1.93	1.84	2.87	2.51
Houston Pilots E - 51/52	0.72	0.72	0.48	0.71	1.99	2.94	3.90	1.08	0.48	4.06	6.92	1.33	1.11	1.11	1.11	0.72	1.11	0.34	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	2.03	3.98	3.98	4.13	4.98	4.98
Houston Pilots F - 63/64	0.72	0.72	0.48	0.24	1.99	2.94	4.44	0.48	0.48	0.72	1.11	1.59	1.11	1.11	1.11	0.72	1.11	0.92	1.16	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.16	2.51	3.98	3.98	4.07	5.03	5.03
Houston Pilots G - 75/76	0.72	0.72	0.48	0.37	1.99	2.94	4.93	6.92	2.19	0.93	1.11	0.48	1.11	1.11	1.11	0.72	1.11	1.80	2.31	0.16	0.16	0.16	0.16	0.16	0.16	0.12	0.12	0.12	0.12	0.19	2.51	3.98	3.98	4.98	6.89	6.89
Houston Pilots H - Morgans Point	5.55	1.95	2.08	4.93	4.93	6.80	10.00	10.00	10.00	10.00	6.26	0.48	2.32	4.48	3.43	3.69	2.83	4.07	4.07	1.86	1.41	1.41	1.41	1.20	0.98	0.59	0.41	0.20	1.38	2.31	4.99	6.23	6.23	7.61	9.28	8.81
Houston Pilots I - Exxon 3	6.92	4.61	3.90	4.93	4.93	7.21	10.00	10.00	10.00	10.00	10.00	10.00	6.16	6.92	6.92	5.89	4.93	3.90	3.90	3.90	2.94	2.94	2.94	2.47	1.99	1.16	0.76	0.28	2.91	4.93	6.89	8.99	8.99	10.00	10.00	10.00
Houston Pilots J - Lynchburg Ferries	6.92	5.28	3.90	4.55	4.93	6.92	10.00	10.00	10.00	10.00	10.00	10.00	8.99	6.92	6.92	5.89	4.05	5.47	4.44	3.17	2.21	2.21	2.21	1.86	1.51	0.89	0.59	0.24	2.18	3.70	6.66	7.94	8.19	9.25	9.80	9.80
Houston Pilots K - Shell Crude	5.89	5.89	3.90	4.29	4.93	7.31	10.00	10.00	10.00	10.00	10.00	10.00	8.99	6.92	6.92	5.89	4.93	4.93	3.90	3.90	2.94	2.94	2.94	2.47	1.99	1.16	0.76	0.28	2.91	4.93	6.89	7.95	8.99	10.00	10.00	10.00
Houston Pilots L - Greens Bayou	5.89	5.89	3.90	4.29	4.93	7.19	10.00	10.00	10.00	10.00	10.00	10.00	8.86	6.92	6.92	5.89	4.93	4.93	3.90	3.90	2.94	2.94	2.94	2.47	1.86	1.16	0.76	0.28	2.91	4.93	6.89	7.95	8.99	10.00	10.00	10.00
Houston Pilots M - Kinder 1	5.78	5.78	3.90	3.73	4.93	6.92	9.97	10.00	10.00	10.00	10.00	10.00	4.93	6.92	6.92	5.89	4.93	4.93	3.90	3.90	2.94	2.94	2.94	2.47	1.59	1.16	0.76	0.28	2.91	4.93	6.89	7.95	8.99	10.00	10.00	10.00
Houston Pilots N - 610 Bridge	4.90	4.93	3.90	3.00	4.90	6.92	8.99	10.00	10.00	10.00	10.00	10.00	4.93	6.92	6.92	5.89	4.93	4.93	3.90	3.90	2.94	2.94	2.94	2.44	1.59	1.16	0.76	0.28	2.91	4.93	6.89	7.95	8.99	10.00	10.00	10.00



**Saturday, January 23, 2021**

**VISIBILITY (11 AM SAT)****VISIBILITY (11 PM CT SAT)**

# CONFIDENCE

**Below  
Normal**

**Above  
Normal**

- Confidence continues to be above normal, however it has gone down a bit yesterday as there is a bit more discrepancy regarding how much fog can clear into the late morning and afternoon hours. Once we work beyond the ~9-10 AM timeframe, we are favoring less of a fog threat for the stations to the North of I (Exxon) as winds will be coming from the NE. This lower fog threat & higher visibilities for those stations likely lasts out through the ~7-9 PM timeframe based on favored guidance before another round of fog will start to build for the evening
- The slightly lower confidence comes for locations South of I (Exxon) for the late AM/early PM. We will continue to favor a break in the fog starting ~9-10 AM window, but the uncertainty comes with how long this potential break lasts. The re-development looks to have sped up a bit vs yesterday as we are now in favor of fog becoming more pronounced starting around the boarding station near ~3-4 PM. In the 4-9 PM window, fog will continue to develop moving North with onshore flow and all locations are favored to be foggy by 9 PM out through at least mid AM Sun (~9-11 AM). The biggest uncertainty in this forecast comes for stations A through H in the 10 AM – 4 PM window and how much of a break can be seen.

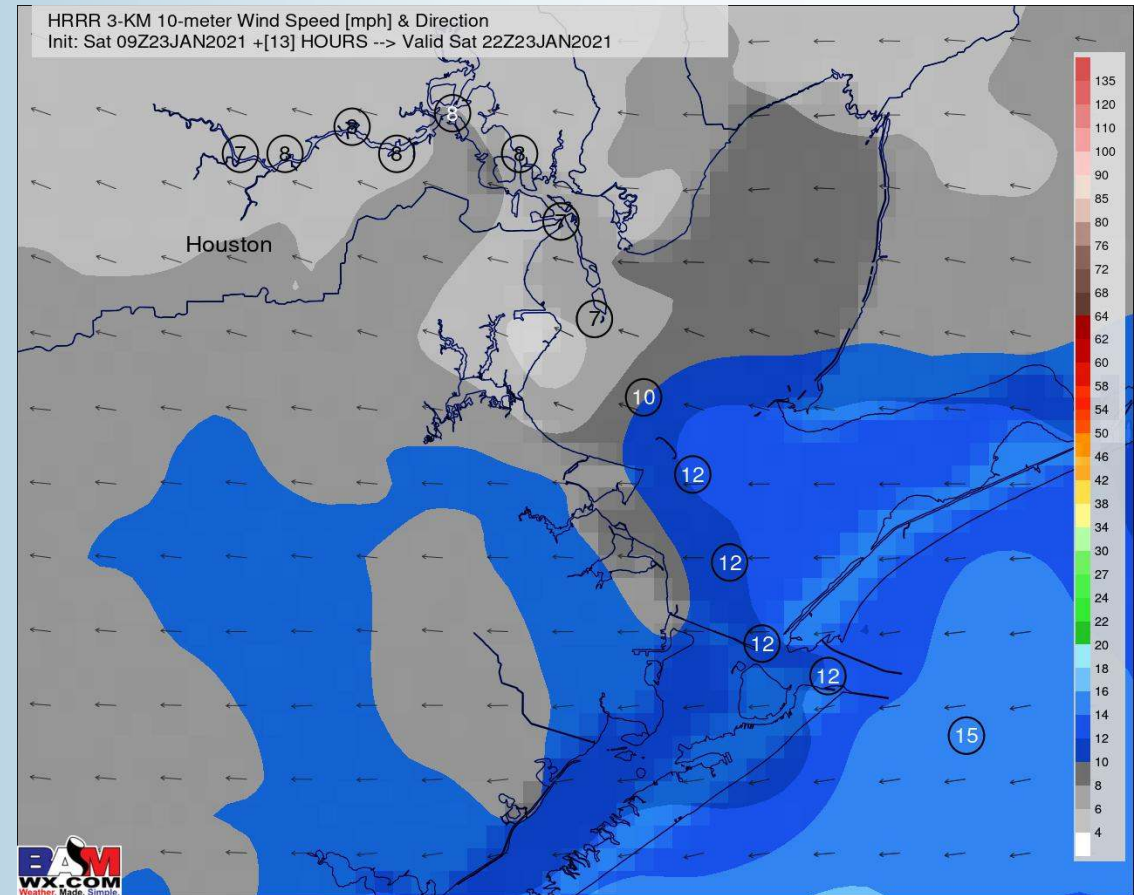


Saturday, January 23<sup>rd</sup>, 2021

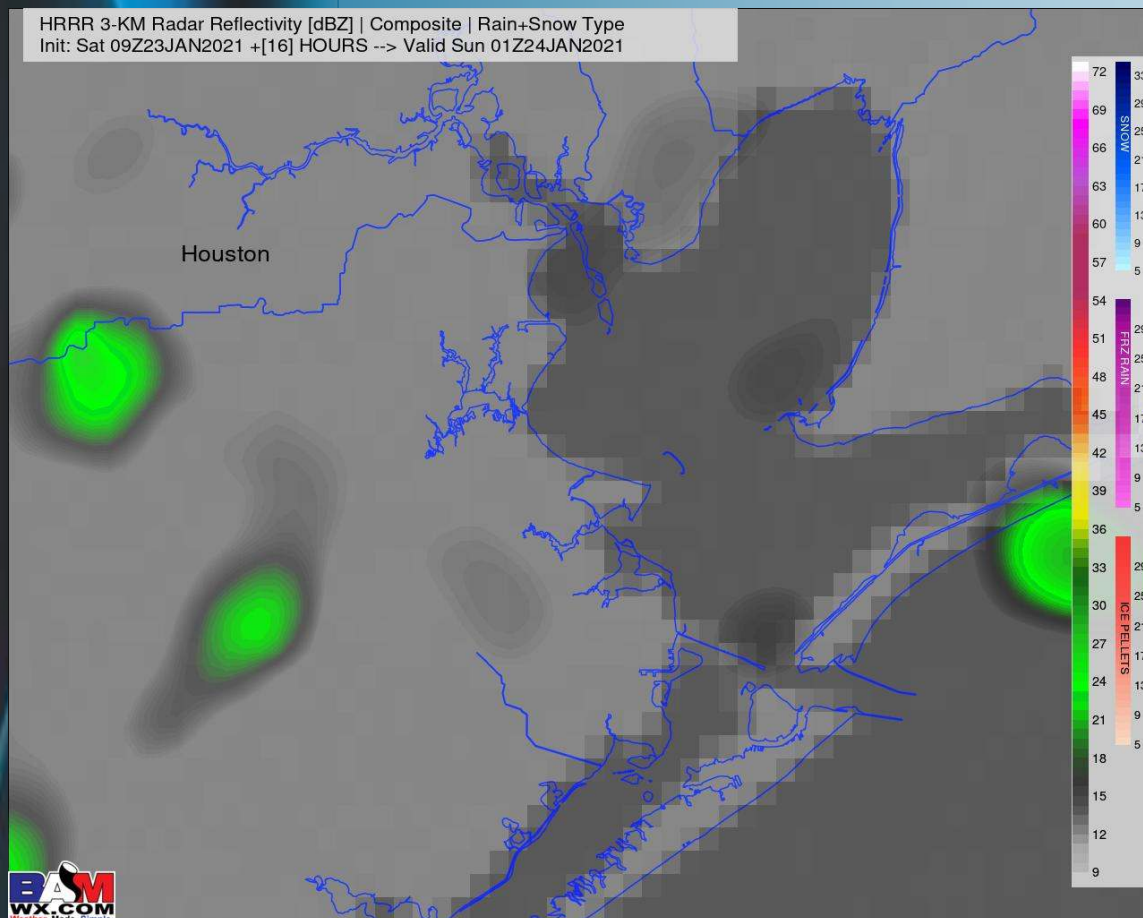
## Short-Term Forecast Discussion

- Misty conditions cannot be ruled out through about 9 AM this morning. Precipitation chances come back into the picture this evening, mainly beyond 7 PM. A rumble of thunder cannot be ruled out.
- Winds will generally be out of the ENE through much of the day. Winds begin to shift more easterly after 4 PM and then out of the ESE towards midnight. Winds generally look to be around 10 – 15 MPH with gust of around 20 MPH possible. Weaker winds anticipated for stations Exxon 3 towards the 610 bridge.
- High temperature will be in the low 60s
- Check slide above for fog info Sat night into Sun morning.

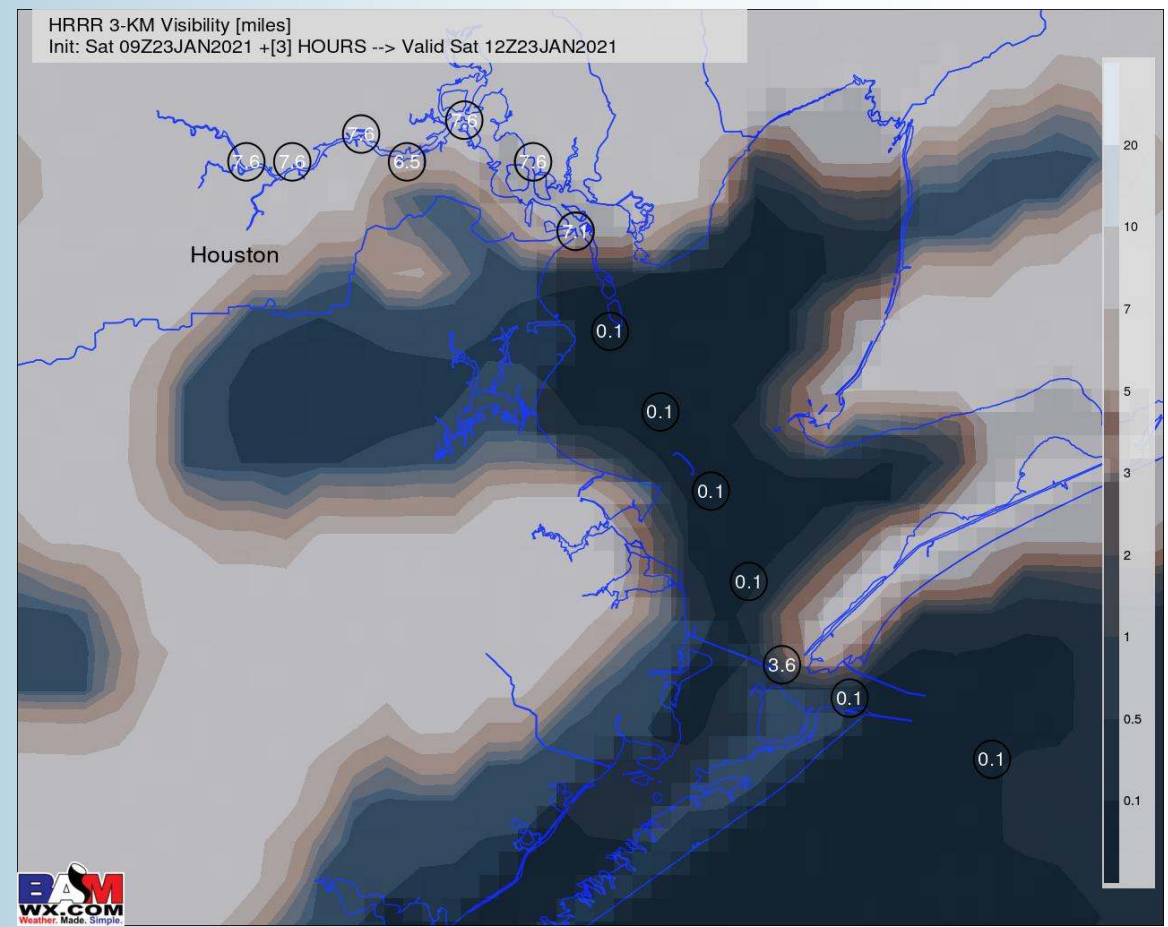
## Sustained Winds (4 PM CT)



## Simulated Radar Snapshot (7 PM CT)



## Visibility (8 AM CT)



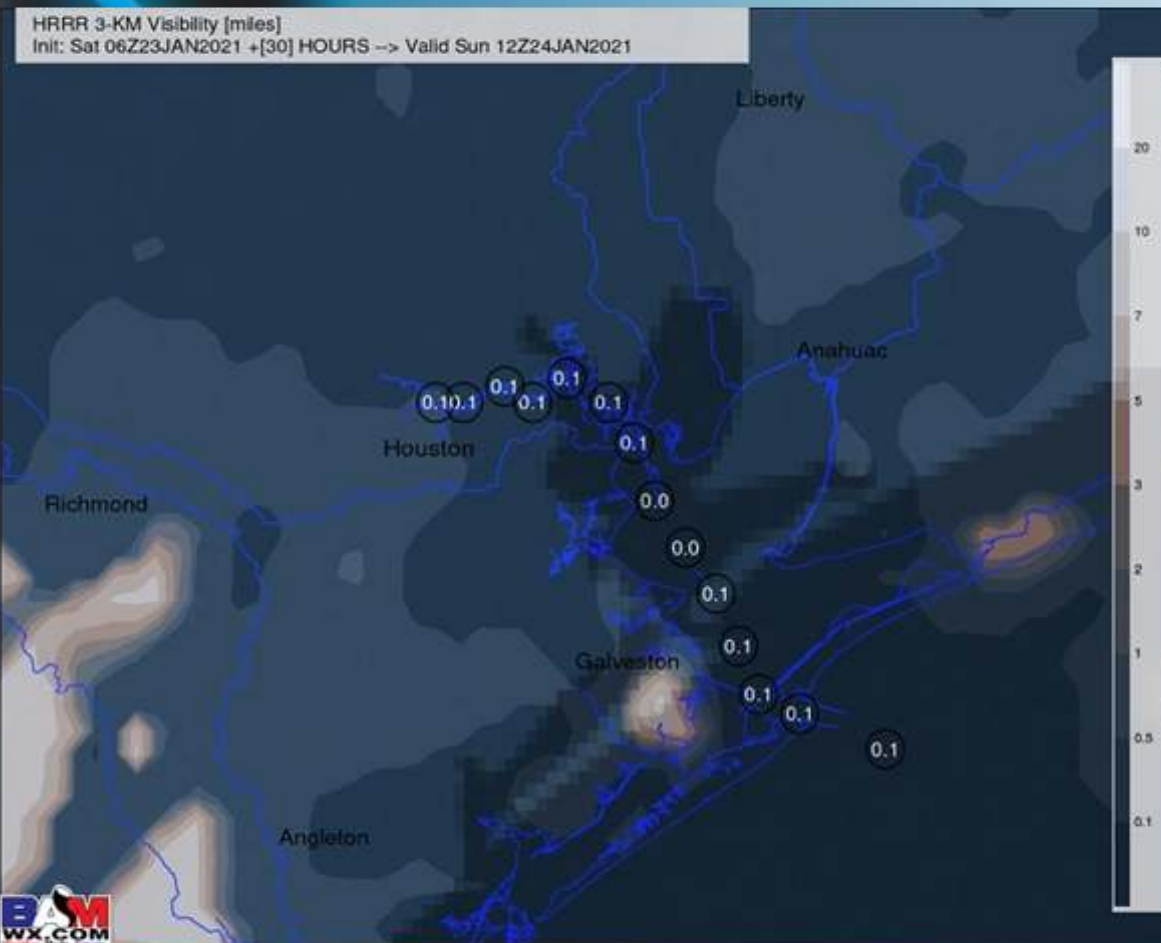


# Fog Report

**Sunday, January 24, 2021**

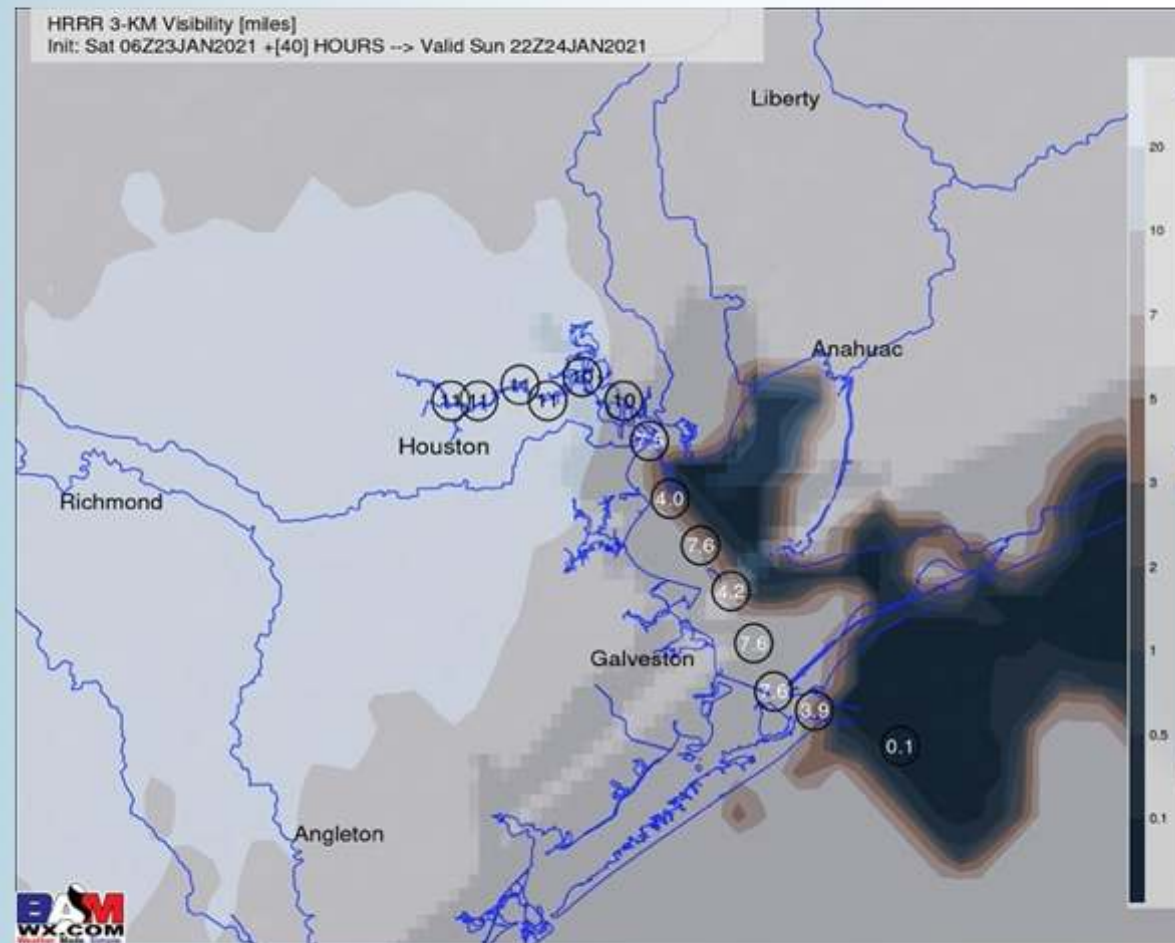
## VISIBILITY (6 AM SUN)

HRRR 3-KM Visibility [miles]  
Init: Sat 06Z23JAN2021 +[30] HOURS --> Valid Sun 12Z24JAN2021



## VISIBILITY (4 PM SUN)

HRRR 3-KM Visibility [miles]  
Init: Sat 06Z23JAN2021 +[40] HOURS --> Valid Sun 22Z24JAN2021



## CONFIDENCE

Below  
Normal

Above  
Normal

- Fog looks to be rather widespread and dense at times starting from Sat evening as mentioned on previous fog slide for all stations and will last through at least the ~9-10 AM window. After ~9-10 AM, the threat is favored to subside for locations North of H (Morgan's Point), however fog likely will continue for much of the day for locations South of Morgan's point. If there is a break in the fog for these stations it would likely come late AM/early PM (11A – 3 P), but right now this is not favored and something that will need ironed out in future reports.
- Fog is then expected to linger around South of H in a bit of a patchy nature into the evening/overnight and into Mon AM before we will be watching for our next front to swing through right around ~mid-day Monday and provide a bit of a break from the fog. One thing that is being watched closely are the winds Sunday late PM/evening. Forecasted sustained winds of 15-25 MPH for the boarding station will likely aid in keeping any fog Sunday PM/evening not nearly as dense as the potential is very early Sunday AM.

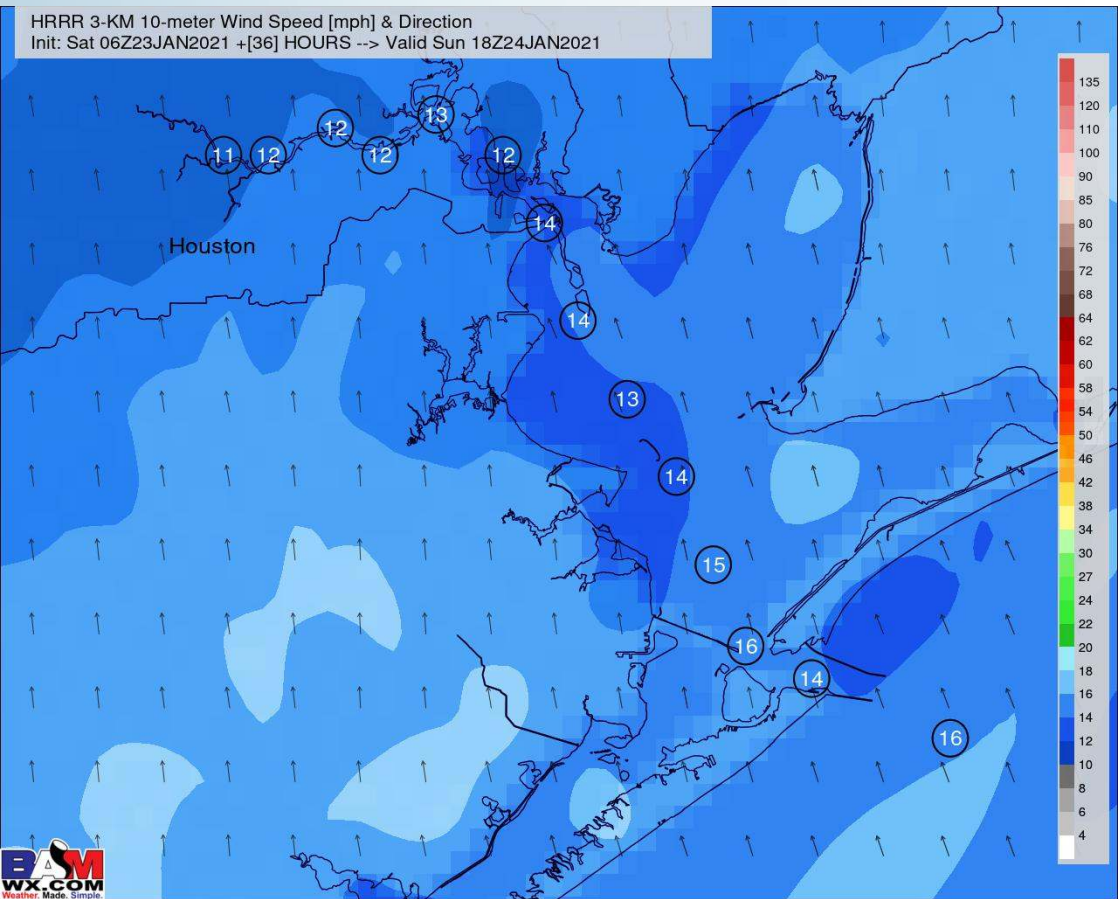


## Short-Term Forecast Discussion

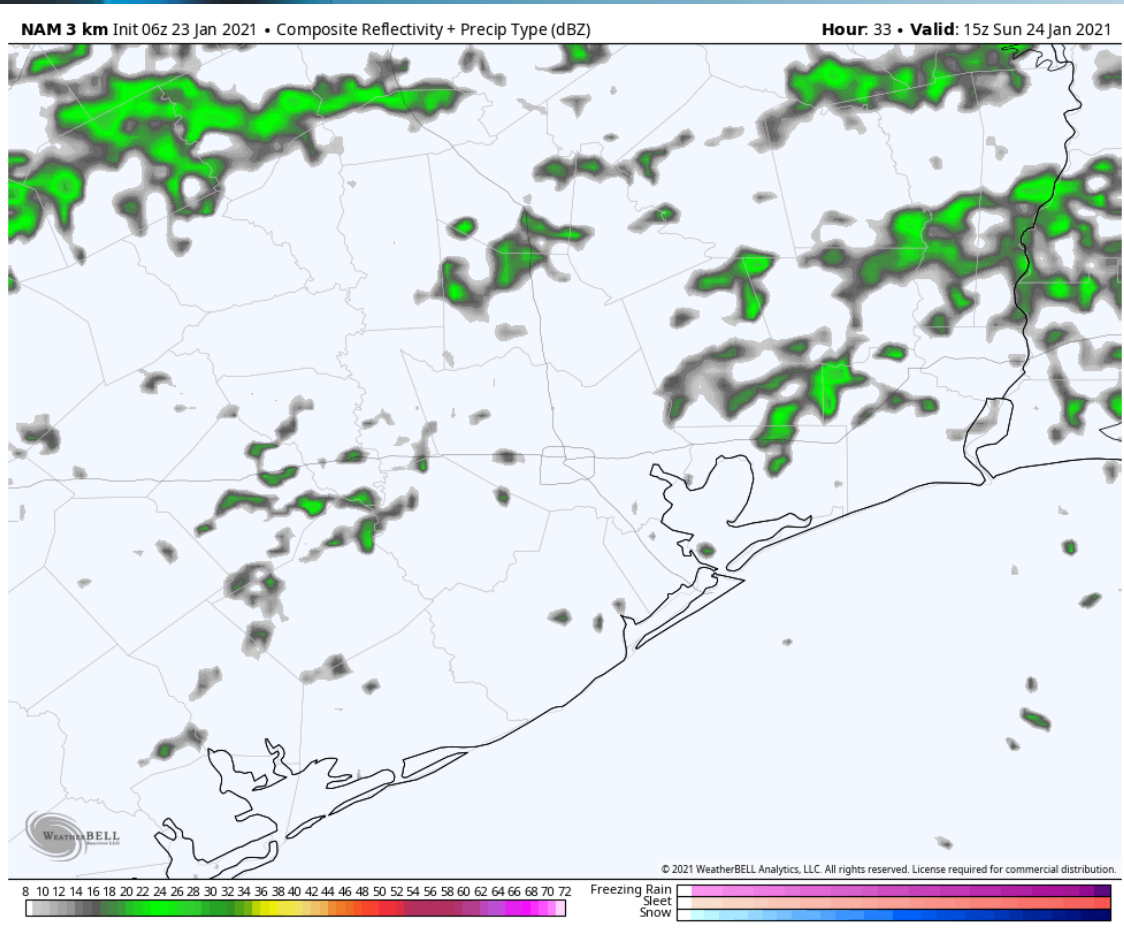
- **Scattered showers will be possible in the AM through ~10AM with spotty chances later in the afternoon Sunday into the evening beginning ~6PM. Better chances likely arrive Monday morning with the passage of a front.**
- **Winds are anticipated to be out of the SE sustained around 10 – 15 north of Morgan's Point and 15-20 MPH south of Morgan's Point.**
- **High temperatures Sunday will be in the mid-to-upper 60s over open waters.**
  - **Check above slide for fog info**

**Sunday, January 24<sup>th</sup>, 2021**

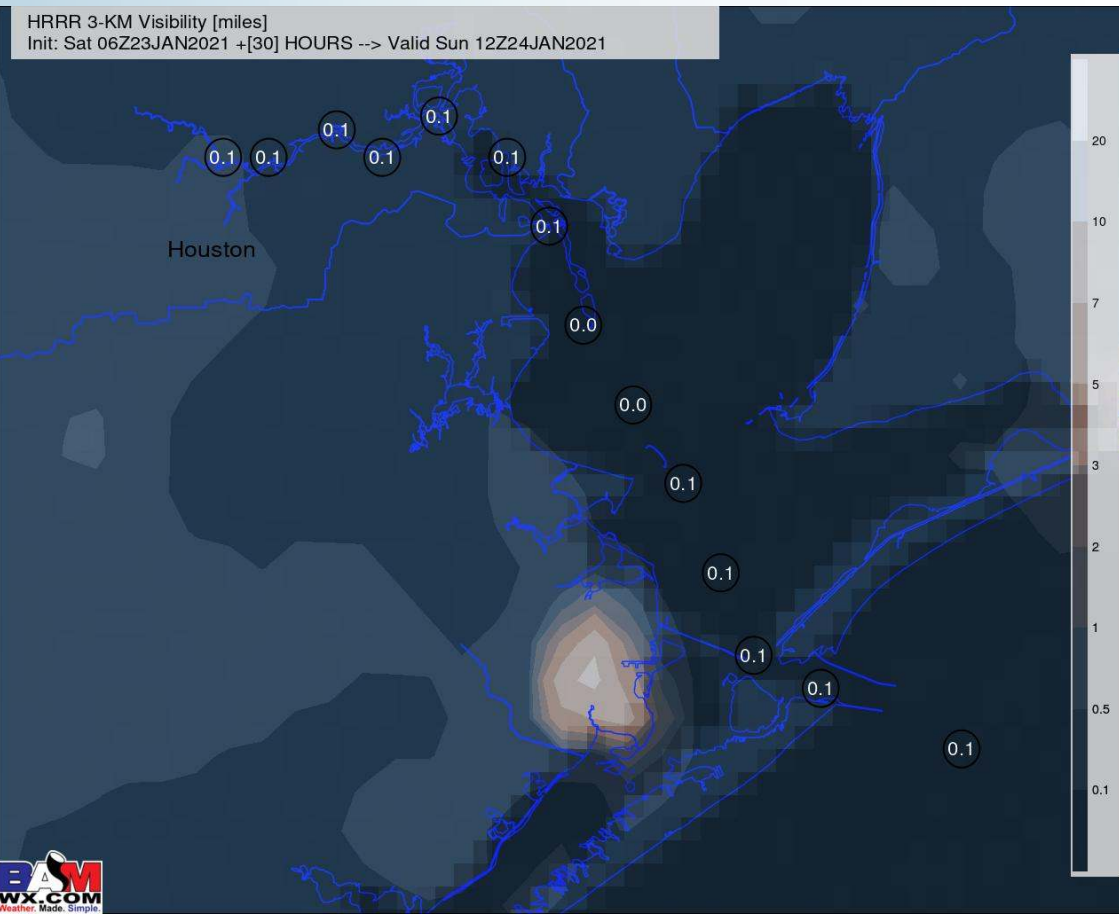
## Sustained Winds (6 PM CT)



## Simulated Radar Snapshot (9 AM CT)



## Visibility (6 AM CT)



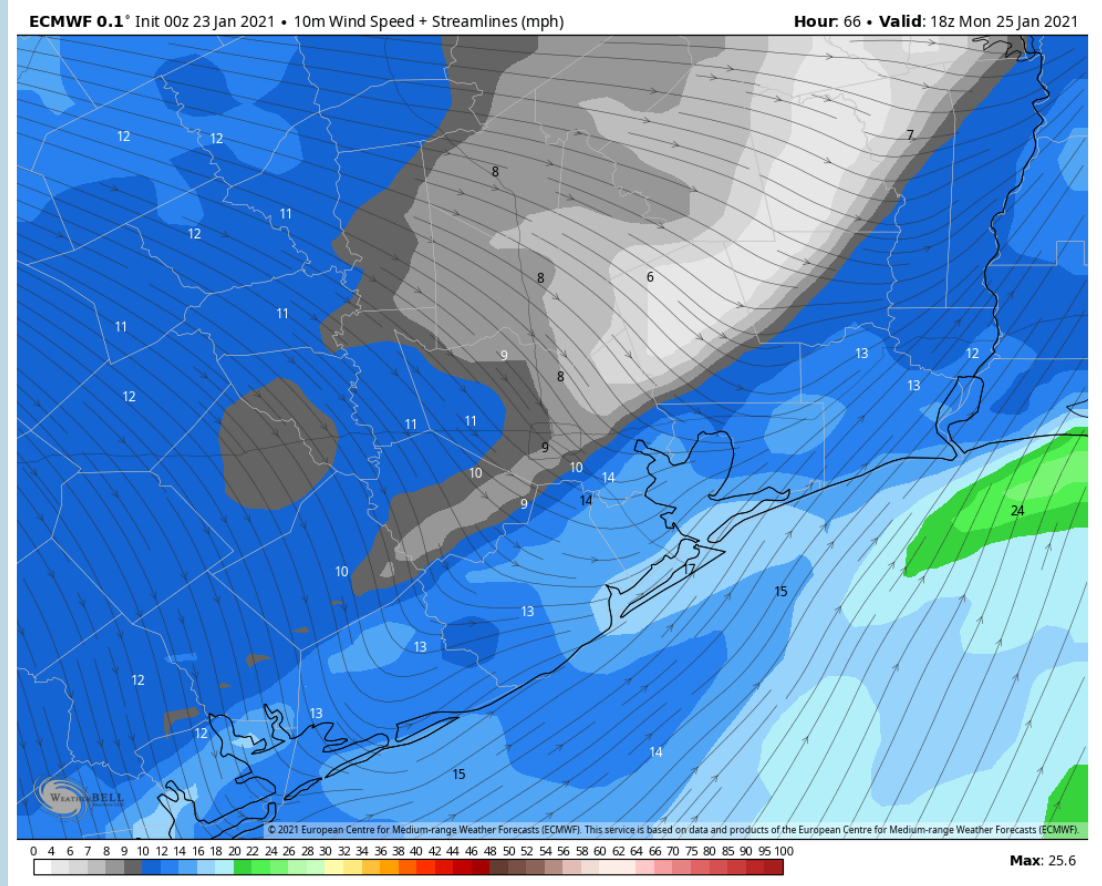


## Short-Term Forecast Discussion

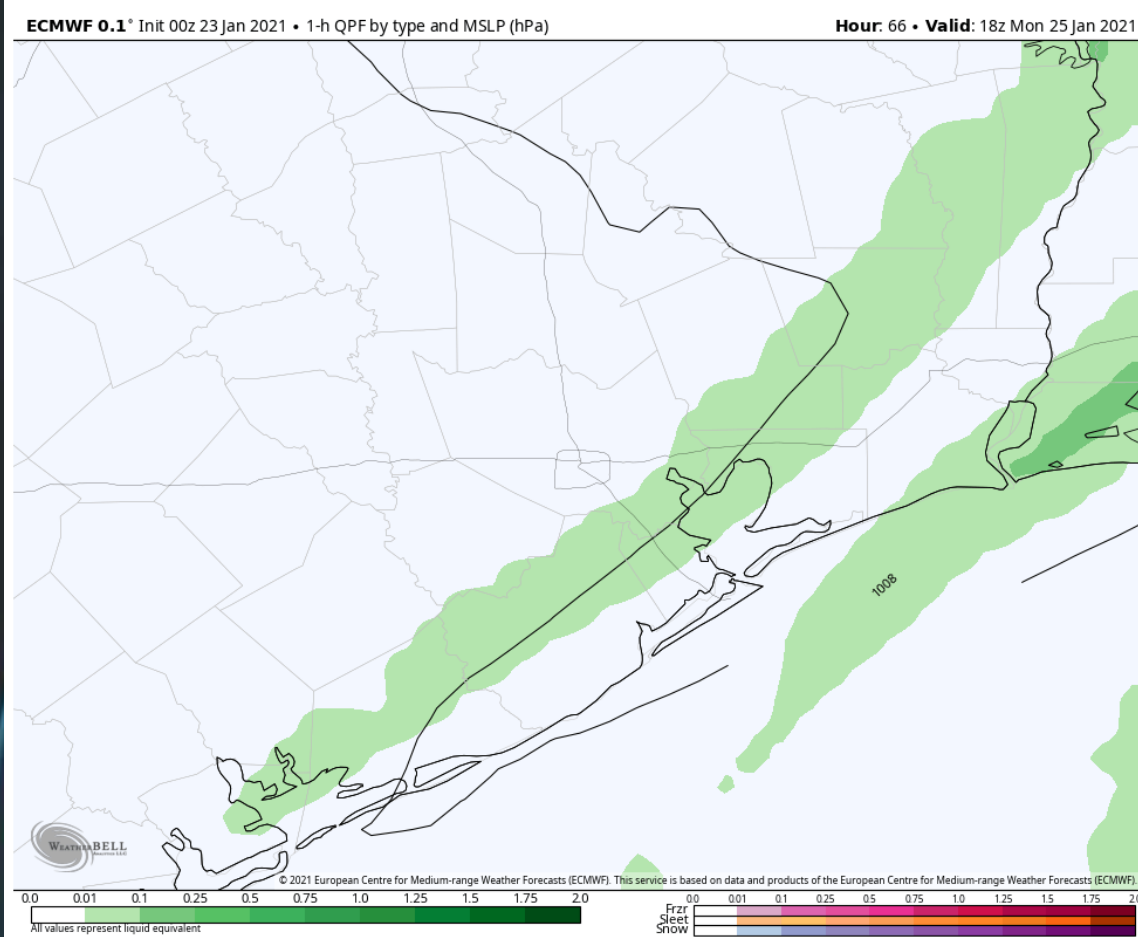
- Areas of light rain will be likely as the front approaches. The front will likely move in ~10AM-12PM. A t-storm will be associated with this front with moderate rain. Conditions will be drier after frontal passage for a moment but mist/ haze will likely return.
- SE winds at 10-20 MPH will shift SW from midnight to 6AM. Around the noon timeframe when the front passes winds will shift NW reducing speed to 5-10 MPH for stations
- High temperatures will be in the upper 60s.
- Aside from the lingering fog in the morning of MON once the front passes the winds will become much more calm which is favorable for fog so this will need to be watched closely and fine tuned with hi res model guidance

Monday, January 25<sup>th</sup>, 2021

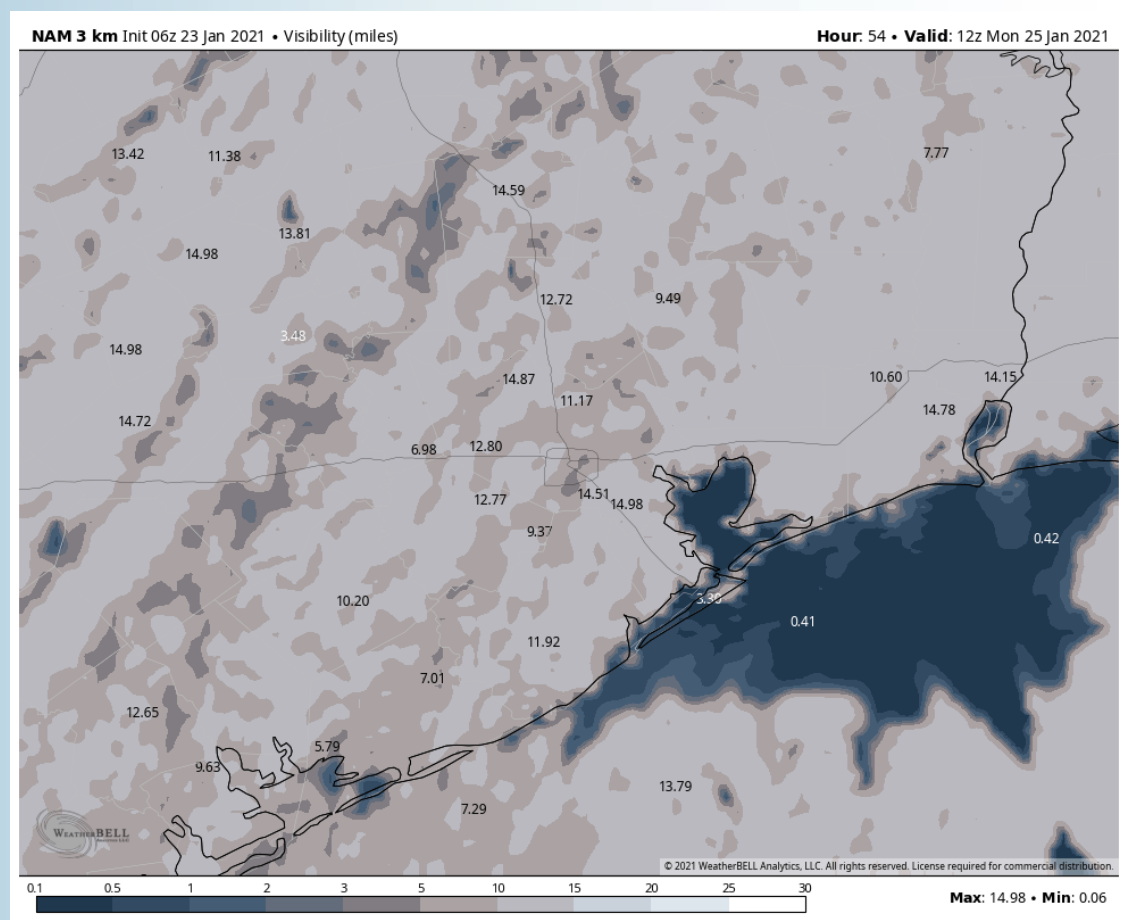
## Sustained Winds (12 PM CT)



## Simulated Radar Snapshot (12 PM CT)

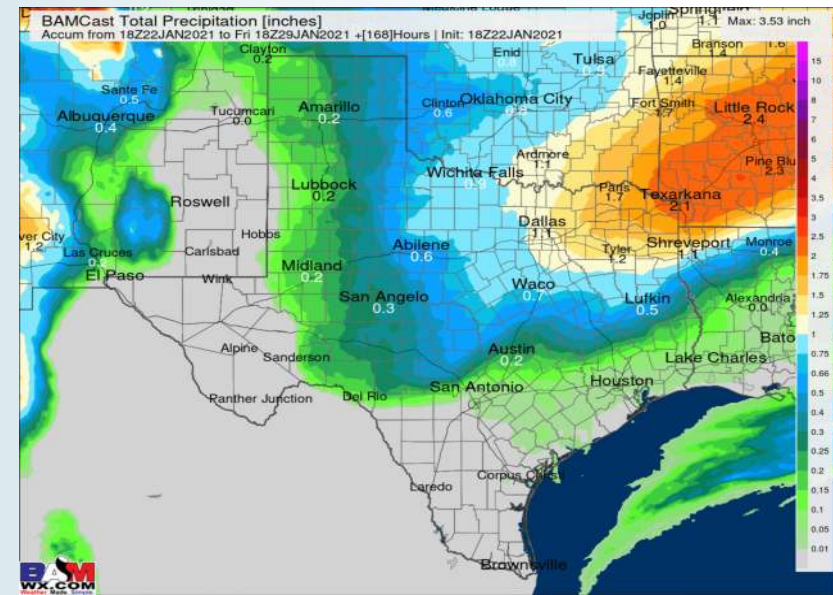
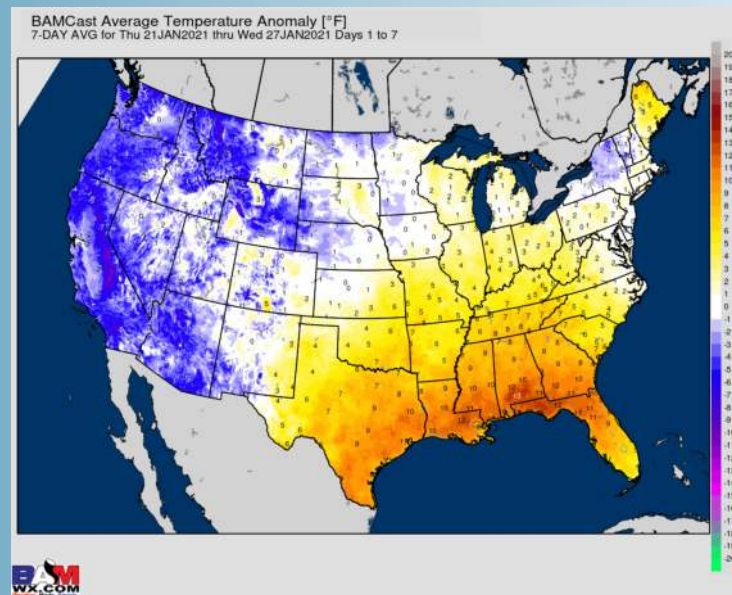


## Visibility (6 AM CT)





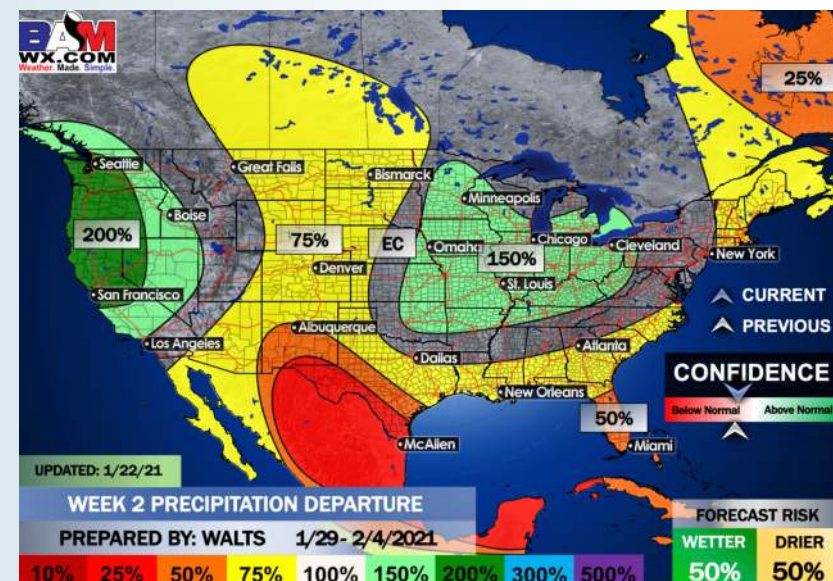
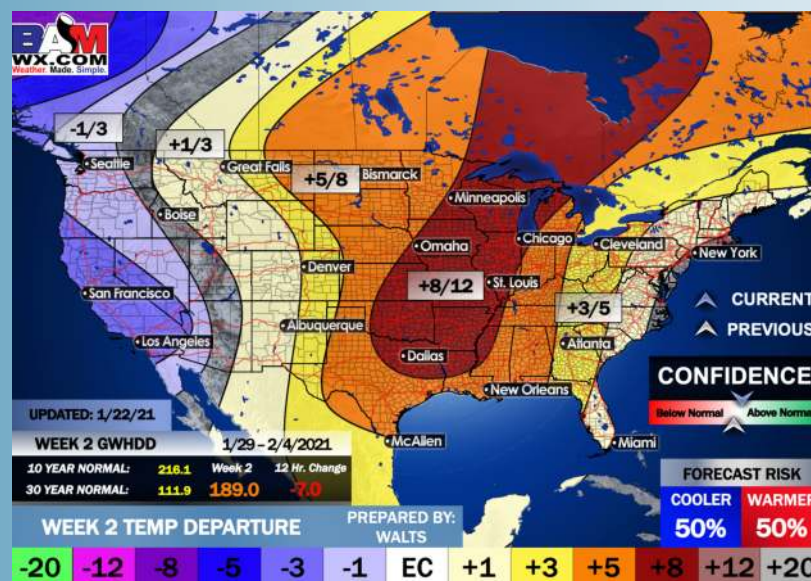
## Week 1 Forecast



## Long-Range Forecast Discussion

- Above normal temperatures are expected this week with below normal amounts of moisture.
- This warmer/ drier theme continues into week 2. The culprit is an expanding ridge to the south which will help to direct low pressure systems well to the north.
- The overall pattern persist for the weeks <sup>3</sup>/<sub>4</sub> timeframe as well. Drier and warmer conditions expected.

## Week 2 Forecast



## Weeks 3/4 Forecast

