



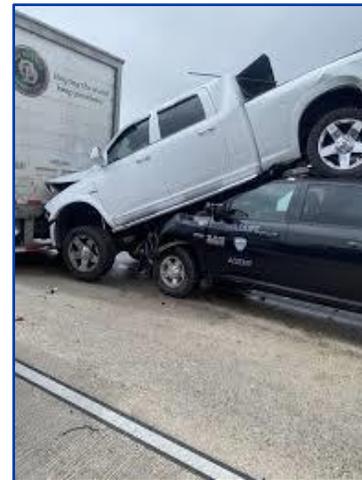
New Orleans, LA

Super Fog

October 23, 2023

New Orleans Super Fog

Dense fog set in around 3 AM CST, reducing visibility to as low as 1/8 mile. A Dense Fog Advisory was active. By 9 AM, over 150 vehicles were involved in major crashes on I-55, resulting in 7 fatalities. The following slides will compare Climavision's Horizon AI HIRES forecast with the HRRR model.



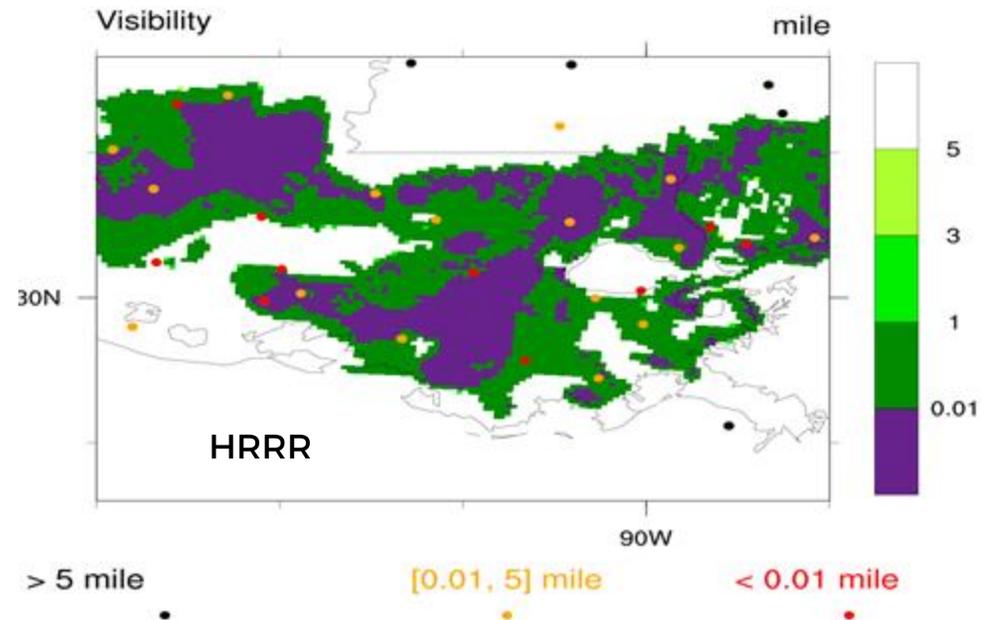
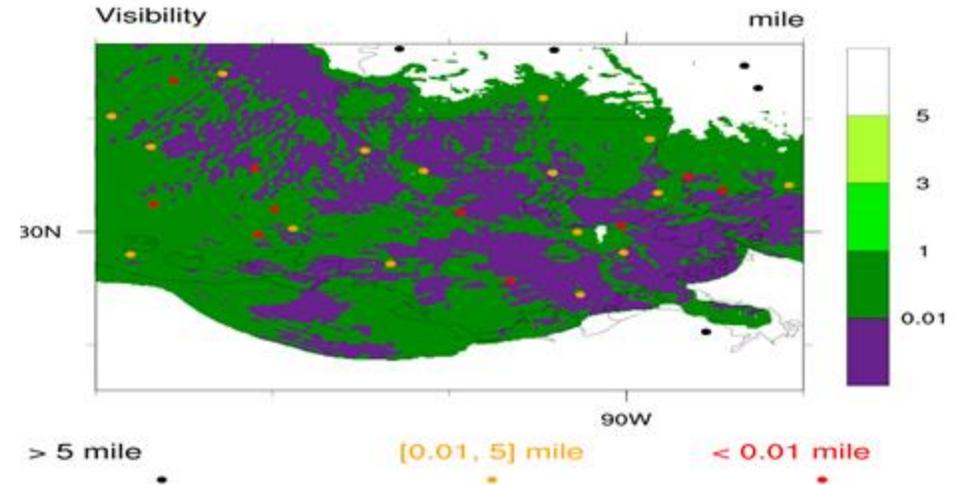
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New Orleans

Super Fog

Climavision's Horizon AI HIRES model outperforms in forecasting fog near lakes, such as those around New Orleans. It better captures terrain variations and uses an advanced Planetary Boundary Layer scheme to represent vertical mixing and fog formation. Overall, HIRES provided a more accurate dense fog forecast for New Orleans and other areas of Louisiana.

Climavision

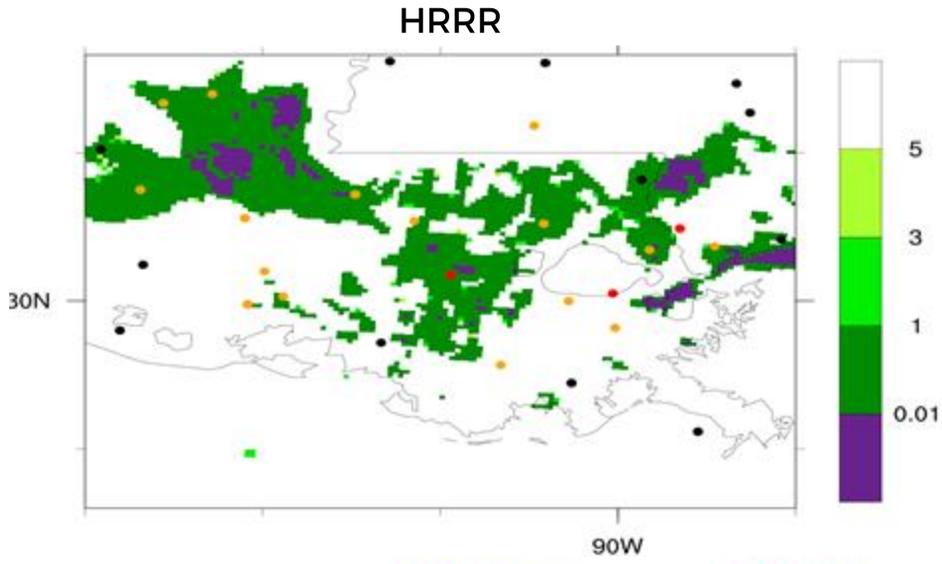
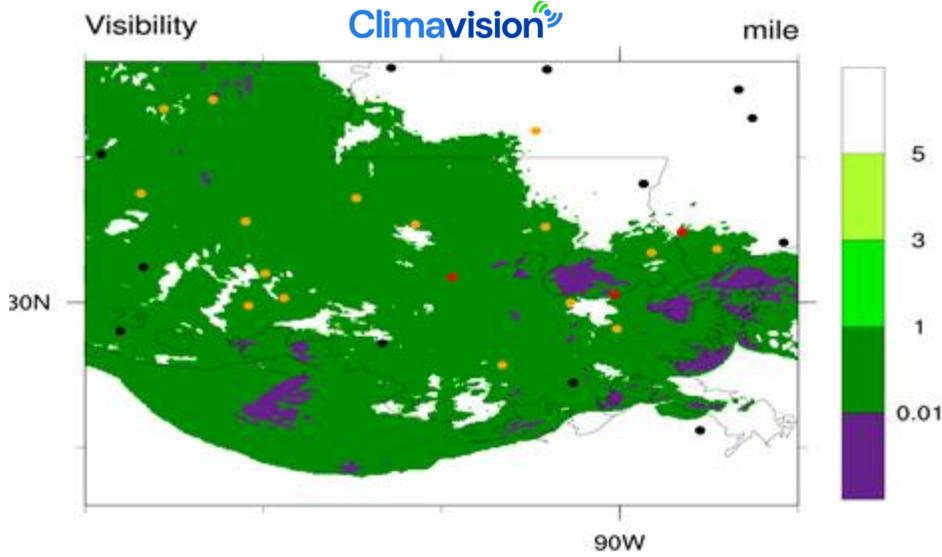


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New Orleans Super Fog

The most significant I-55 pile-up occurred between 8–9 AM. As shown in the forecast images, Climavision’s model maintained fog coverage longer than the HRRR, which showed quicker dissipation. Notably, the part of I-55 runs between Lake Maurepas and Lake Pontchartrain where RHFS still indicated reduced visibility due to fog.



> 5 mile [0.01, 5] mile < 0.01 mile