



FOR IMMEDIATE RELEASE
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New Radar Watching Over “Tornado Alley”

Oklahoma Panhandle location brings new level of surveillance to area prone to deadly weather

LOUISVILLE, KY AND GUYMON, OK (May 2, 2023) – A radar coverage gap in the heart of the infamous “Tornado Alley” is now filled thanks to a new radar installation by Climavision, a climate-tech data pioneer. The new radar in Guymon, 120 miles North of Amarillo, Texas, fills a critical low-level radar coverage gap in and around the Oklahoma Panhandle, and adds to the company's advanced gap-filling radar network across the United States.

Since the 1990s, the National Weather Service has monitored severe weather in the Panhandle using NEXRAD S-band radars. However, low-level coverage gaps can exist between these systems as the radar beam moves higher in the atmosphere the further it gets from the radar location. This leaves some areas - including Amarillo and Guymon - exposed to weather phenomena that often happen in the lower atmosphere such as flash flooding, sleet, ice, and tornadoes.

The geography of the Oklahoma Panhandle, with its flat terrain and dry climate, makes it especially vulnerable to severe weather. The region sits in an area where warm, moist air from the Gulf of Mexico clashes with cool, dry air from the Rockies, creating ideal conditions for the formation of severe thunderstorms and tornadoes.

That’s why Louisville-based Climavision has installed a new radar in Guymon. Climavision’s dual polarization, X-Band weather radar is designed specifically to fill these gaps to provide the highest resolution view of what’s happening nearest to the ground.

“The Oklahoma Panhandle is prone to some of the most volatile and severe weather in the United States,” said Chris Goode, co-founder and CEO of Climavision. “Any gap in radar coverage is significant because it could potentially put lives and property at risk. Ultimately, the installation of Climavision’s newest radar in Texas County means increased safety for the community.”

While all warnings and notices will continue to come through official National Weather Service channels, the system will provide critical visibility enabling commercial forecasters and emergency officials to better plan, prepare, and respond to volatile weather situations.

The company is already at work addressing other low-level gaps around the country, planning to have 30 radars operational by the end of the year and eventually scaling the network to more than 200 radar systems.

Members of the media can download a map showing the coverage areas of the OK radar, as well as photos of the Texas County radar, here: [OK-31 Media Kit](#). Attribute all assets to Climavision.

About Climavision

Climavision brings together the power of a proprietary, high resolution weather radar and satellite network, combined with advanced weather prediction modelling and decades of industry expertise, to

close significant weather observation gaps and drastically improve forecast speed and accuracy. Climavision's revolutionary new approach to climate technology is poised to help reduce the economic risks of volatile weather on companies, governments, and communities alike. Climavision is backed by The Rise Fund, the world's largest global impact platform committed to achieving measurable, positive social and environmental outcomes alongside competitive financial returns. The company is headquartered in Louisville, KY, with research and development operations in Raleigh, NC. To learn more, visit www.Climavision.com.

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