



The UNIVERSITY of OKLAHOMA
Advanced Radar Research Center



ARRC Rapid X-Pol (RaXPoI)

<https://arrc.ou.edu/cif.html>

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The RaXPoI provides rapid updates of direct and reliable dual-polarization radar observations which are much needed for the study of high impact and fast evolving events such as tornadogenesis, deep convection and electrification, post-wildfire hydrology and flash floods, lake-effect and orographic snowstorms, tropical cyclones, etc. With the support of NSF CIF program, RaXPoI is now available for wider communities for research, educational, and outreach activities

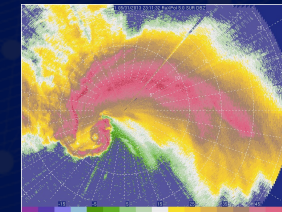
Instrument Capabilities

- Mobile, X-band, and dual-pol
- Rapid volume update (15 elevations in 30 s)
- Fine spatial resolution (30 m x 1°)
- Customizable scanning strategies
- Real-time data visualization
- Remotely control

Request Process

To request RaXPoI, please using the “Request Form” on the OU ARRC CIF webpage (<https://arrc.ou.edu/cif.html>)

For any question, please contact us through email address above



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FIRP Request Process: <https://www.nsf.gov/pubs/2021/nsf21611/nsf21611.htm>