Peijin
Zhang
New Jersey Institute of Technology
Bin Chen, NJIT, New Jersey Institute of Technology
Sijie Yu, NJIT, New Jersey Institute of Technology
Anastasia Kuske, NJIT, New Jersey Institute of Technology
Poster
Low-frequency solar radio observations provide a powerful ground-based tool for monitoring eruptive activity in the solar corona. The Owens Valley Radio Observatory Long Wavelength Array (OVRO-LWA) enables high-cadence solar dynamic spectra and imaging over frequencies sensitive to shocks, electron beams, and coronal mass ejections.

We present the real-time capability of OVRO-LWA as a radio facility for space weather applications. This includes near-real-time spectrum and imaging products that can identify type II and type III bursts, track shock propagation, and provide rapid context for flare- and CME-related activity. These radio diagnostics can complement existing monitoring systems by improving the detection and characterization of eruptive solar events. OVRO-LWA demonstrates the potential of ground-based radio imaging spectroscopy as an important component of future space weather monitoring and forecasting.

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