

Topic: Poster for the Lower Atmosphere Observing Facilities User's Workshop: 18-19 June 2012

From Pat Kennedy on 5 June 2012

Title:

The CSU-CHILL National Radar Facility

Authors:

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Abstract:

The NSF-sponsored CSU-CHILL radar uses an advanced dual offset 8.5 m diameter Gregorian antenna to simultaneously collect polarimetric data at frequencies of 3 and 9 GHz (wavelengths of 10 and 3 cm). The system architecture has been designed to make both real time data displays and operational radar control remotely available via the internet. This networked configuration improves the availability of the facility to the research and educational communities. An extensive collection of archived data files is also available for interactive replay over the internet via the Virtual CHILL (VCHILL) system. While the CSU-CHILL radar is at its home base location near Greeley, Colorado, it anchors the Front Range Observational Network Testbed (FRONT) in partnership with the S-Pol research radar operated by NCAR.