Integrated Data Viewer

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Unidata's Integrated Data Viewer (IDV) is a Java-based 3D geoscience visualization and analysis tool that gives users the ability to view and analyze a rich set of geoscience data in an integrated fashion. The IDV brings together the ability to display and analyze satellite imagery, gridded data (such as numerical weather prediction model output), surface observations (METARs), upper air soundings, NWS NEXRAD Level II and Level III RADAR data, NOAA National Profiler Network data, and GIS data, all within a unified interface. The IDV integrates tightly with common scientific data servers (including THREDDS Data Server and RAMADDA) to provide easy access to many real-time and archive datasets. It also provides collaborative features that enable users to easily share their own data holdings and analysis products with others.

In this PICO session, we will demonstrate the IDV tool and provide several examples of its use in research, education, and outreach in the geosciences.