Geophysical Research Abstracts
Vol. 13, EGU2011-3715, 2011
EGU General Assembly 2011

Unidata's Integrated Data Viewer (IDV) : Overview and Examples

Yuan Ho, Tom Yoksas, and Julien Chastang
United States (yuanho@ucar.edu)

Unidata's Integrated Data Viewer (IDV) is a Java(TM)-based software framework built on top of VisAD that provides new and innovative ways of displaying and analyzing Earth system data by providing 2D, 3D, and 4D visualization capabilities. IDV features can be used in a variety of ways: to view the meteorological data as a weather enthusiast; to analyze model output in climate research; to study satellite observations; to navigate the deep ocean environment; and to explore the complex three-dimensional data in geophysics. Since its inception, the IDV community has grown from a traditional synoptic meteorology base to include many new disciplines such as climatology, hydrology, oceanography, geophysics, etc.

In this presentation we will present examples of IDV use by these communities for academic investigations and scientific discovery.