

AGU Fall Meeting Workshop

AGU Fall Meeting Workshop - Visual Data Analysis: Tools and Techniques for the Geophysical Sciences

Date: Wednesday, December 5, 2012

Time: 8:30am- 12:30pm

Location: Marriott Marquis

Room: Nob Hill A (please note the change in venue: previously the workshop was scheduled for Salon 5)

Cost: FREE (refreshments will be served)

Registration: NONE REQUIRED

Organizers: John Clyne, NCAR

Only a few years ago advanced scientific visualization techniques were largely limited to the realm of visualization experts, and employed primarily as a communication aid to illustrate complex phenomena. Thanks to the commoditization of computer graphics hardware, and the emergence of mature, user-friendly, domain-focused software packages, scientific visualization is increasingly becoming an indispensable tool used by researchers in their day-to-day efforts to analyze data and extract new insights. This workshop will provide an overview of some of the open source software packages that are available, and most relevant, to researchers in the geo-sciences. Attendees can expect to gain a basic understanding of the capabilities of these powerful visual data analysis environments; learn which tools may be most appropriate for their own needs; and have an opportunity to talk with tool developers, on-hand for the workshop.

Technical Program

0830 -- 0845:	Opening Remarks: John Clyne, NCAR
0845 -- 0930:	Visualization of Geo-science data with Unidata's Integrated Data Viewer (www.unidata.ucar.edu/software/idv/) Yuan Ho, Unidata Abstract
0930 -- 1015:	Community Tools for the Analysis and Visualization of Geoscientific Data Mary Haley, National Center for Atmospheric Research (NCAR) Abstract
1015 -- 1045	Coffee break
1045 -- 1130	Techniques for visualizing and analyzing very large earth science data using VAPOR (www.vapor.ucar.edu) Alan Norton, National Center for Atmospheric Research (NCAR) Abstract
1130 -- 1215	GrADS: A Handy Tool for Data Access, Analysis, and Visualization (www.iges.org/grads/) Jennifer M. Adams, Center for Ocean-Land-Atmosphere Studies (COLA) Abstract
1215 -- 1230	Open discussion

Contact for more info: John Clyne (clyne@ucar.edu)

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