NCAR

Joint EOL/Unidata Seminar

National Center for Atmospheric Research
Boulder, CO

Current Data Formats at EOL

BY:
Steve Williams, NCAR-EOL

This seminar will present an overview of the current status of data processing, formats, and archives at NCAR's Earth Observing Laboratory (EOL). This will include both EOL platform data (ISFF, ISS, Radar, Lidar, Profiler, Aircraft, etc.) as well as supporting "external" multi-agency field project data (including surface/upper air "composite" datasets). Future plans and collaborations with other data centers and programs will also be discussed.

Using Databases in Aeros

BY:
Chris Webster, NCAR-EOL

The use of SQL database in real-time data acquisition and post-flight data dissemination will be described.

Data Access for Remote Sensing Platforms: FORAY

BY:
Dennis Flanigan, NCAR-EOL

FORAY is a "pathfinder" project to determine the feasibility of using one programming interface to read and write radar data in multiple data formats. The prototype of FORAY showed that:

- One interface can read and write multiple data formats.
- C++ features, such as exceptions, are useful.
- Even if the interface design is given the highest priority, application speeds will be acceptable.
- One library can be created that can be used across multiple platforms.

The FORAY was a prototype project. If development were to continue, what questions need to be asked?

- What is the project lifetime of FORAY?
- Should the Java programming language be considered instead of C++?
- If C++ is used, should utility classes provided by Trolltech's Qt or from the Boost project be used?
- Should we support interactive languages, such as IDL, Matlab, or Numeric Python?
- Who would be FORAY's patron?

Unidata Conference Room - Foothills Lab, Building 4
9:30 to 11:30 a.m., Tuesday

May 29, 2007

Available by Webcast at - http://www.unidata.ucar.edu/community/seminars/