

Applications Interest Group



Summary and Outlook

IVOA Interop Meeting Victoria, May 2006

Applications

- Mature VO Applications for science
 - Topcat, Aladin, VisIVO,...
- Impressive Interfaces
 - World Wind Interactive Visualization
- Prototypes
 - Science functionality
 - Test / demonstration implementation of VO standards, e.g.
 - VOQuest: ADQL, Skynode, VOTable, PLASTIC, (Source Catalog Data Model)
 - VODA – AG AstroRuntime – Data discovery & access

Applications

- VO aware Astronomy services
 - BASECOL: atomic & molec. transition database
 - SAADA: lightweight heterogenous database and VO data access

Interoperability

- Desktop VO Applications working together
 - Tools can concentrate on own strengths and interoperate with other tools for other capabilities
- Plastic
 - Platform for Astronomical Tools Interconnection
- VOApp
- Comparison of implementations (Fernique)
extremely useful for tool developers

Current 1.0 Standards Needed

- Registry Interface
 - standard way to query the registry
- SSA
- Scientific need for description of astronomy metadata & data : Data Model
 - data providers - services - applications

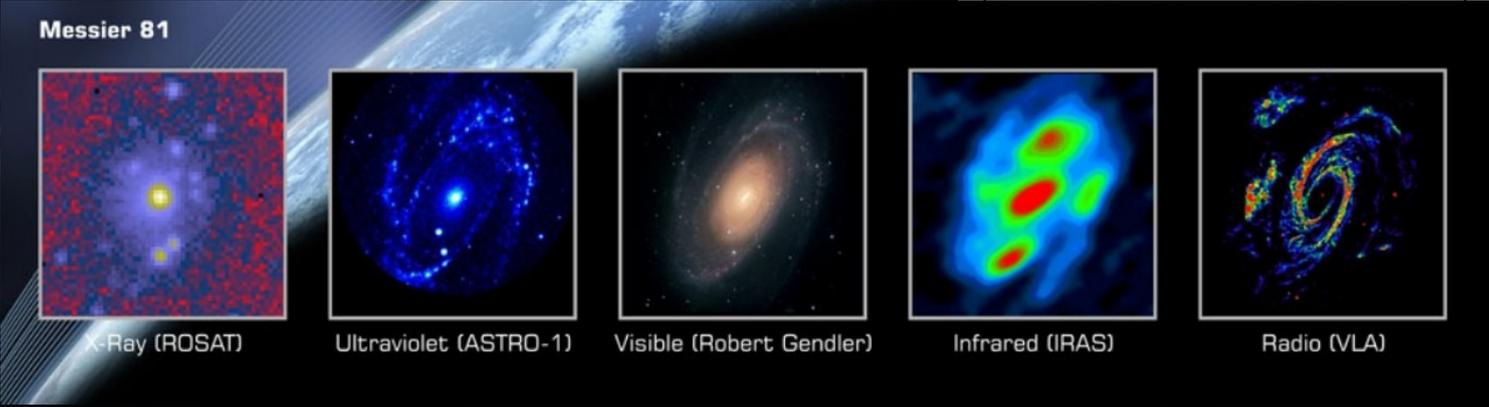
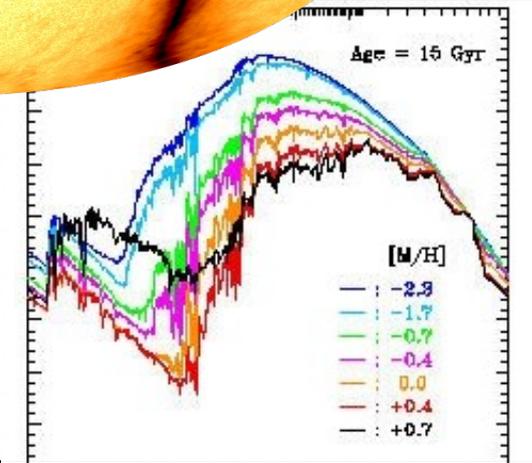
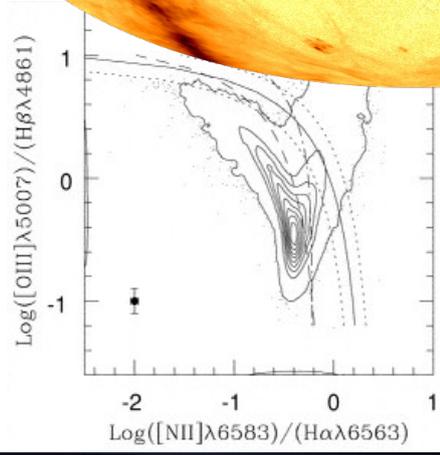
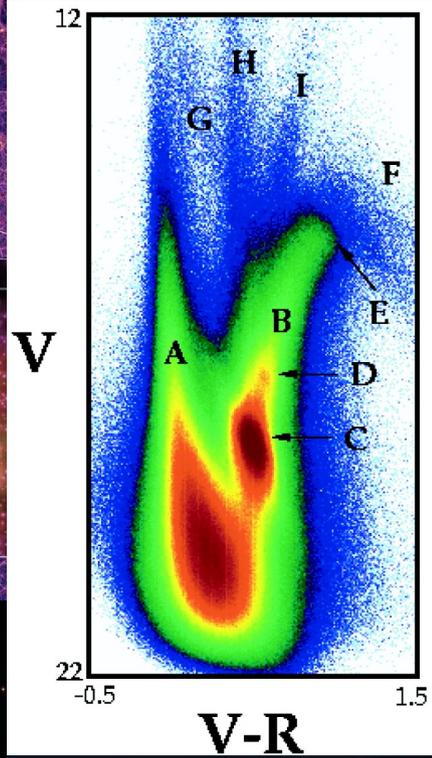
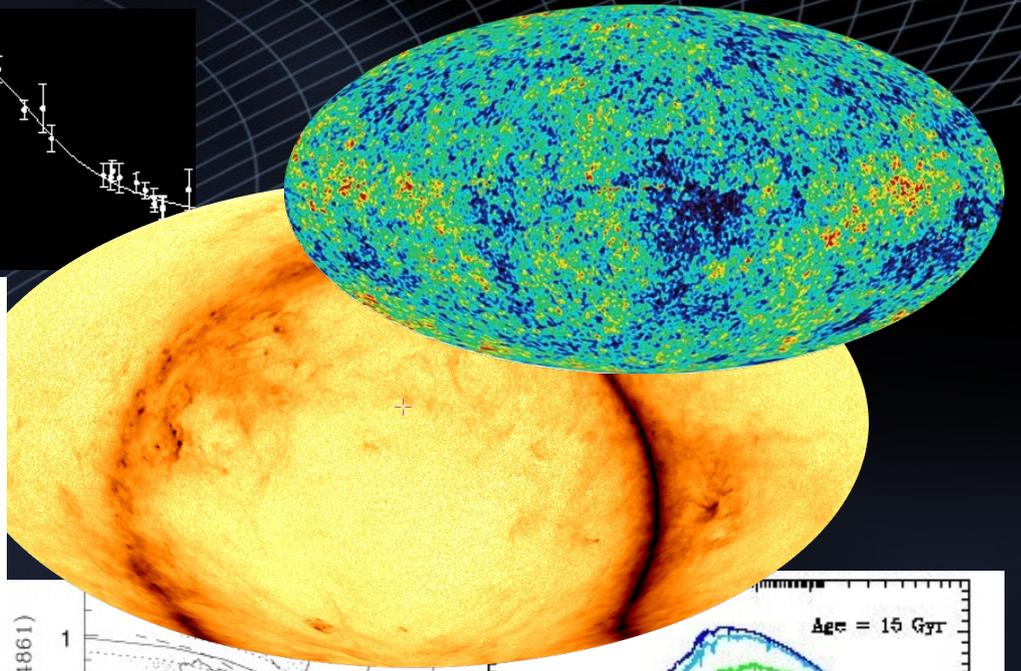
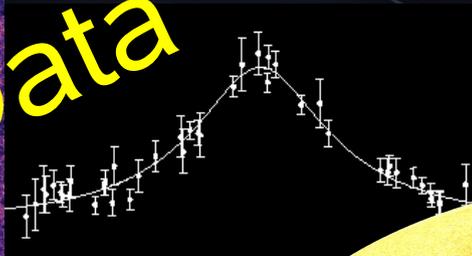
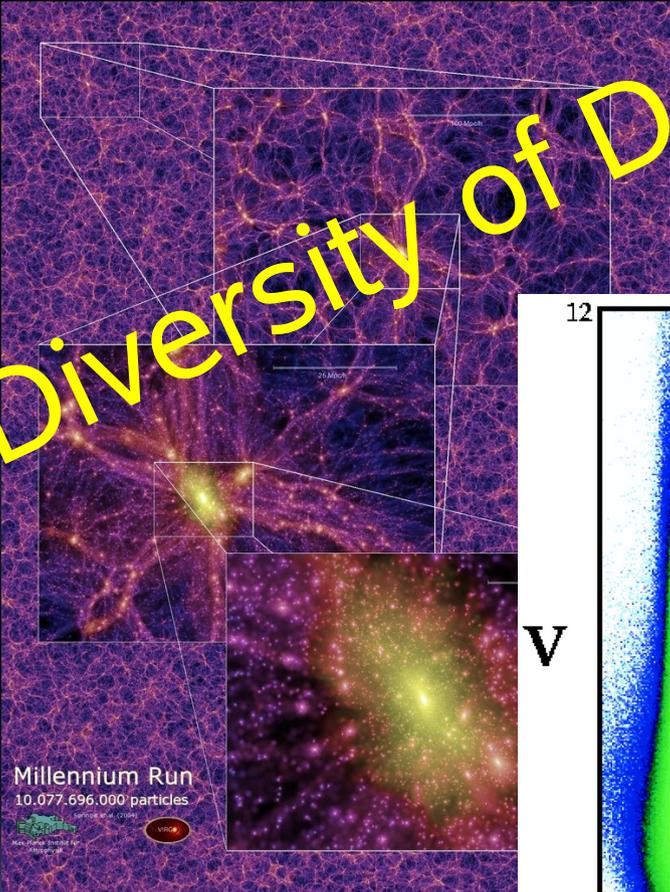
Other Conventions/Standards

- PLASTIC
 - may need to enter IVOA process
 - current small team development very efficient
 - An IVOA Note will be prepared
- Footprints
 - STOMP: space and Time Ordered Mapping Package
 - STC
 - Field of View outlines (Aladin, APT)

Outlook

- Continue as forum for VO Applications development and use
- Identify standards useage and uptake and solicit feedback
- Remain accessible to Astronomers
- Upcoming issues
 - Robustness
 - Use of Legacy Applications *in the VO*
 - Registering of Applications
 - Applications scaled up from desktop

Diversity of Data



Discussion