

Applications Summary

SAMP

No significant issues with draft

RFC soon

Hub implementations in Java, Python and Perl

Client implementations in Aladin and TOPCAT

Validation suite available for hubs

Bilingual hubs (A. Allen) should make it straightforward to migrate from PLASTIC to SAMP

Use of SAMP to control GUIs from CLI/scripting environments

SAMP <-> Web page communications

SAMP is ready for widespread adoption.

Web Applications

- Knoboo – full functionality scripting on the Web
- VOSA – spectral analysis using broadband data
- CDS Portal – integrated access to all CDS services
- NVO Portal – Providing simple interface to the complexity of the VO
- Using the internals of the browser to manipulate VOTables
- VOClient can be used on server side (e.g., to build cell phone compatible pages)
- Manifesting a VOTable as a local file system – **maybe also VOSpaces?**
- Footprints (and VO and general) and proposals

Overall

- **Sessions**
- **Maturing technologies**

CLI and GUI Applications

- STILTS graphics – use in server seems very powerful.
- VOPlot/VOStat progress
- VIRGO incorporation of info from VO protocols, DSS
- FRESSIA testing of Web based applications – linkage with unit testing
- WWT incorporation of user data
- VO standard tools for period analysis and for multi-fiber spectra
 - Translation from complex domain formats to more general formats usable by standard tools
- **PLASTIC intertool communication nigh universal, augurs well for SAMP**

Joint DM/Registry/Apps Session

STC

Being used already in a number of contexts

Availability of libraries: translation to/from FITS WCS

STC libraries could incorporate existing code

Registry

Provide simpler serialization of complex registry

Feedback to registry development

Power of XSL

Apps Framework

Large scale, long term project. Driven by observatories.

Common framework for astronomical analysis

Relationship with IVOA standards needs to be defined carefully.

Characterization and Validation

Validation that inputs and outputs of software elements meet pre and post conditions.

Generate characterization file from FITS headers

Overall

- SAMP is ready to build on the success of PLASTIC.
- Maturation of technologies
 - Emphasis on testing
 - Production resources
 - Specialized tools
- Better communication between protocol and application developers
 - Join session was helpful but may need to be better focussed



2008 World Series
Champion