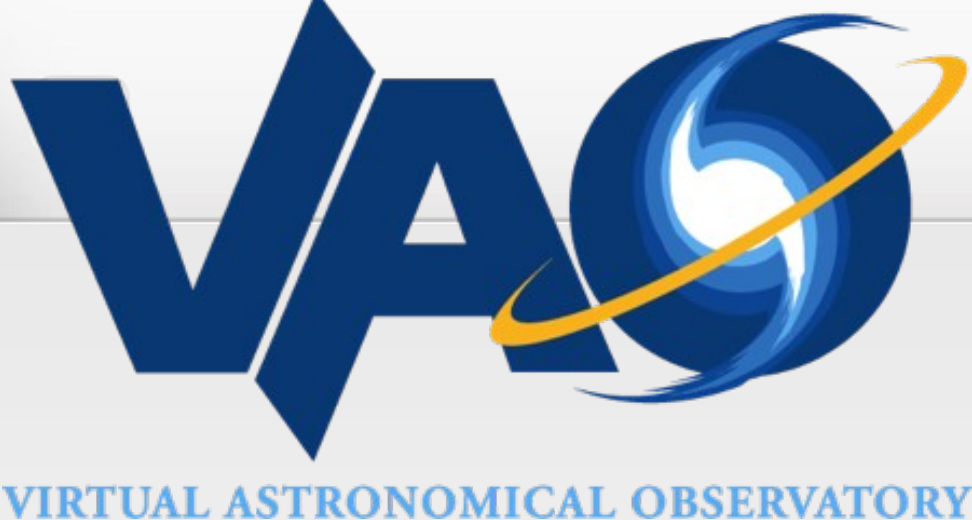




Iris: The VAO SED Application

Stephen Doe, Janet Evans, Mark Cresitello-Dittmar, Raffaele D'Abrusco, Omar Laurino, Jonathan McDowell, Brian Refsdal, Nina Bonaventura (SAO); Rick Ebert, Olga Pevunova (IPAC); Ivo Busko (STScI)



Introduction

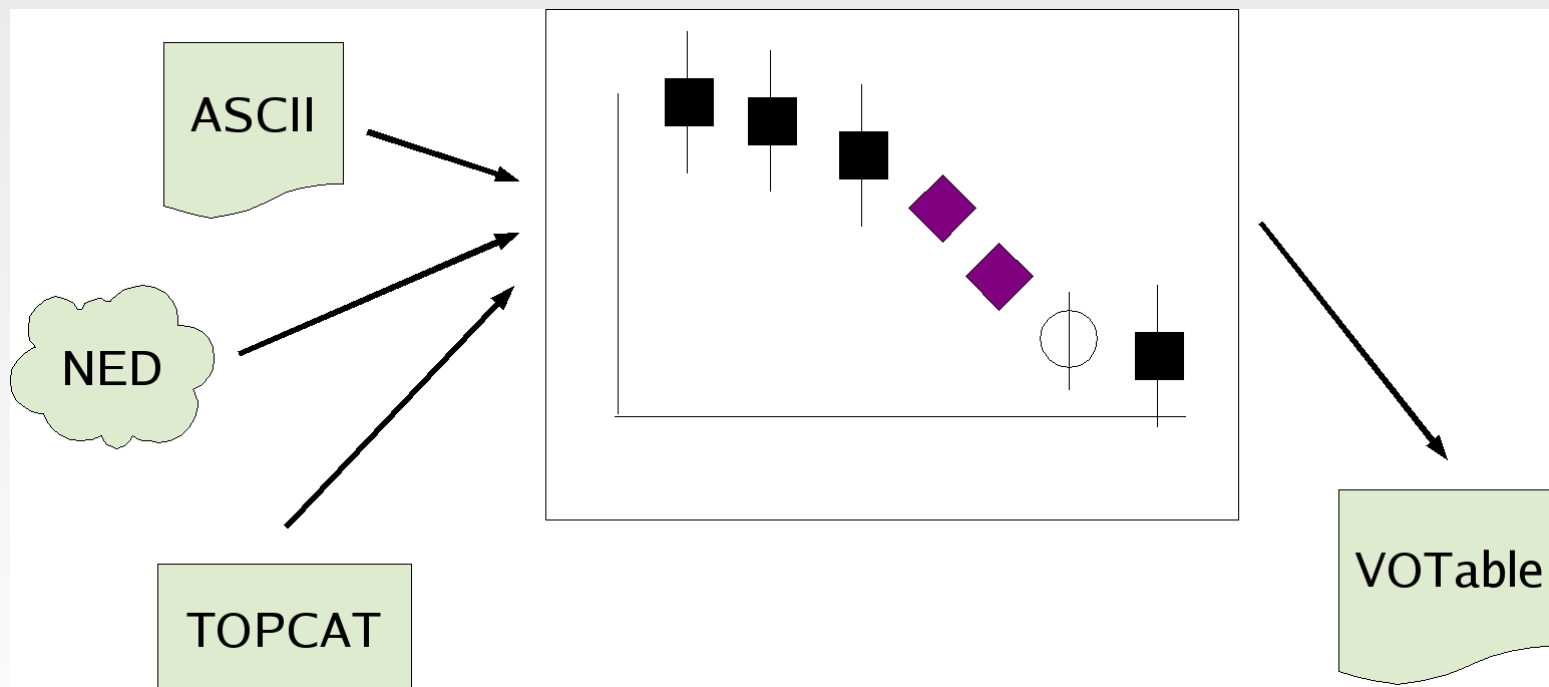
- VAO SED Team:
 - SAO (Sherpa, SedImporter, SEDLib)
 - STScI (Specview)
 - IPAC (NED SED Service)
- Iris Components:
 - Specview (GUI, visualization, filtering)
 - Sherpa (Fitting, modeling, confidence limits)
 - SedImporter (I/O, VO-compliant files)
- IVOA Standards/Protocols utilized in Iris
 - Spectrum 1.03 Data Model (SEDLib)
 - SAMP communication with others VO tools and within our application (i.e. SEDImporter/Specview, Specview/Sherpa)



Demo

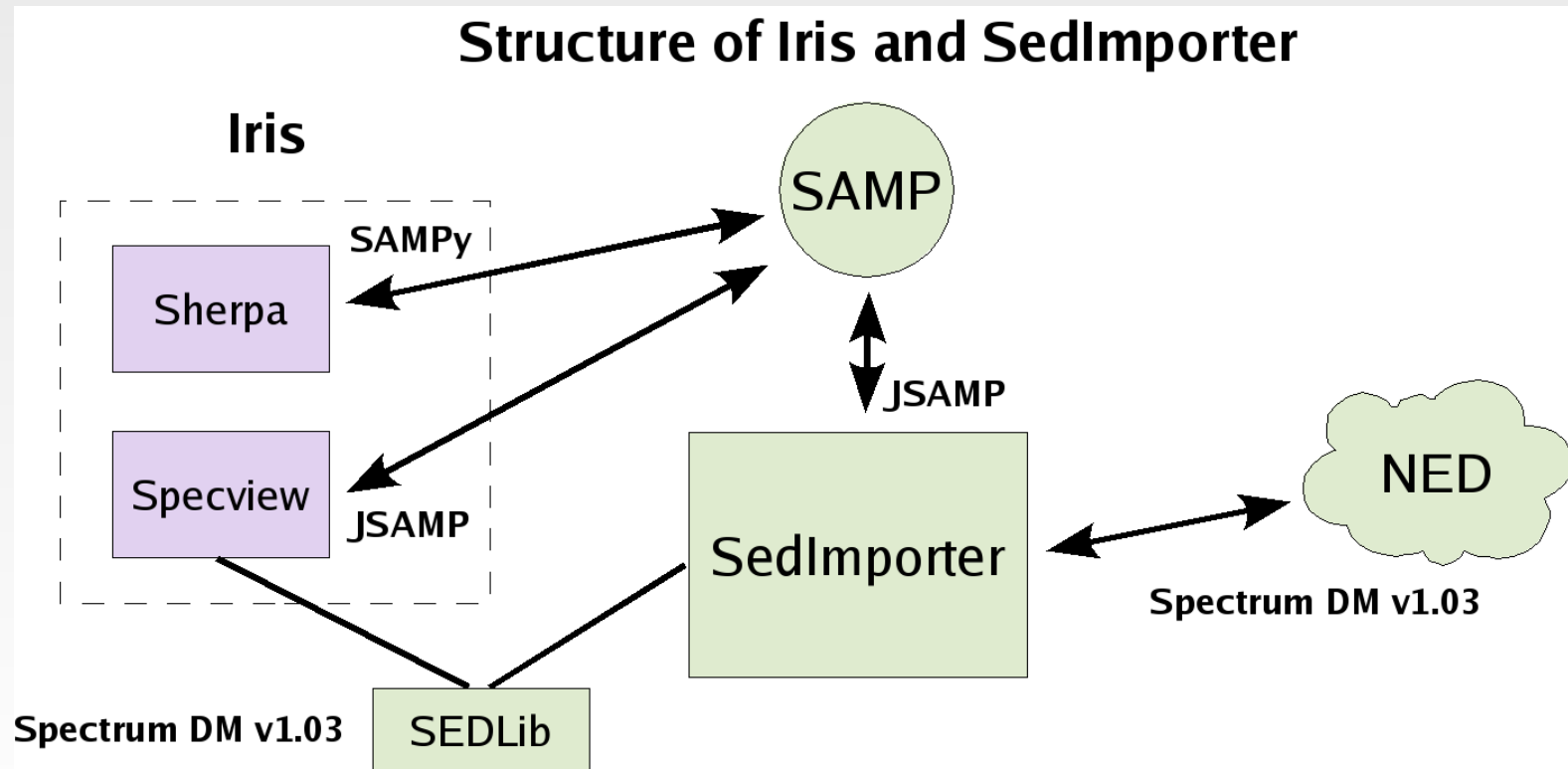


Build SED with SedImporter





Structure of Iris and SedImporter





Future Developments

- Requirements Doc (latest update 29 Aug 2011)
 - <http://dev.usvao.org/vao/attachment/wiki/Projects2010/SEDAccessA>
- New development priorities
 - Batch mode processing
 - More flexible tabular data ingestion
 - User supplied models for fitting
 - Template model fitting
 - “Segment” and “Properties” interactive browsing and filtering
 - Further interoperability with VO tools
 - Simple aperture correction to photometric points
- Iris v1.0 downloadable tool for Linux and Mac
 - <http://www.usvao.org/tools/>