

Application Working group

Closing remarks

IVOA Interop Santiago Oct 2017

Chair: Pierre Fernique
Vice-chair: Tom Donaldson



2 sessions

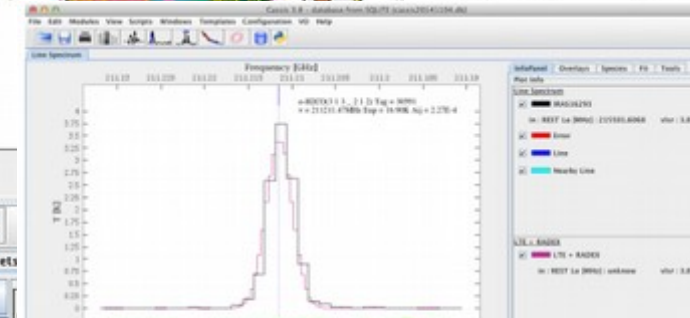
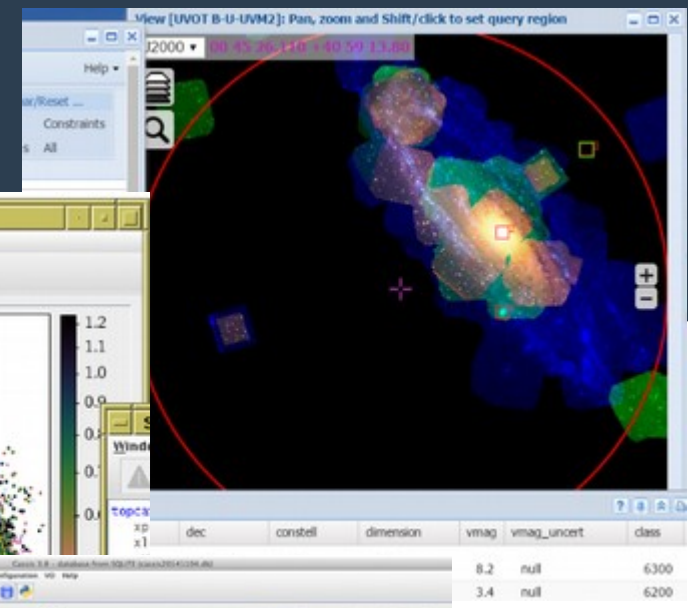
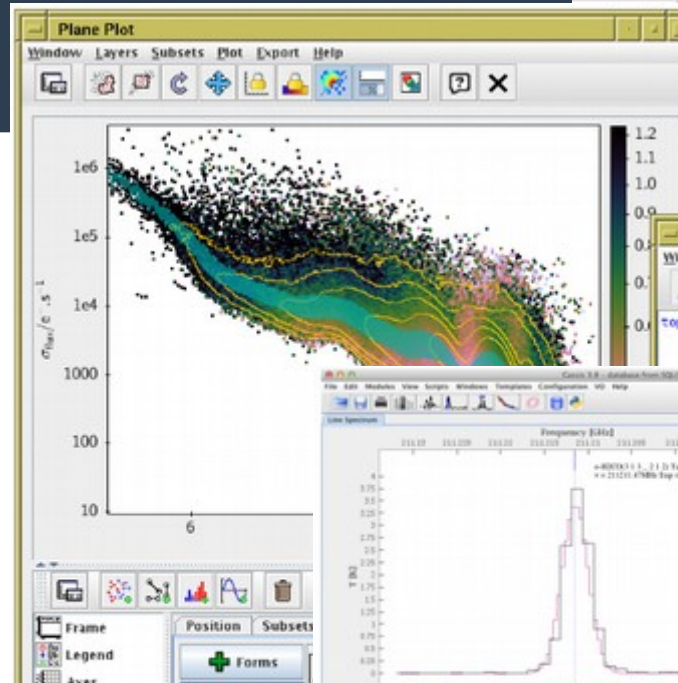
Speaker	Title	Duration
Alberto Micol	VO-protocol based access to the ESO Science Archive Facility (release 1)	16'+3'
Mathieu Servillat	Tracking provenance information with the OPUS job controller	16'+3'
Tom McGlynn	Experiences Implementing HiPS and MOC within the HEASARC	16'+3'
Thomas Boch	hipspy and ipyaladin, new tools for the HiPS ecosystem.	16'+3'
Markus Demleitner	VOTable arraysize=1 discussion	14'

Speaker	Title	Duration
Mark Taylor	TOPCAT: Latest improvements	16'+3'
André Schaaff	3D-Visualization of large datasets in a Web browser ?	16'+3'
Bruno Merín	ESASky v2.0: spectroscopy, solar system objects and more	16'+3'
Jean-Michel Glorian	News of CASSIS	16'+3'
Pierre Fernique	Consolidate the HiPS network	11'+3'



Tools, tools, tools ...

- Aladin lite
- Aladin v10
- ESAsky 2
- TOPcat
- CASSIS
- ..



Aladin v10.0 interface showing a multi-panel view of astronomical data. The main panel displays a multi-color astronomical image of a galaxy. The interface includes a toolbar with various icons for navigation and data manipulation, and a menu bar with options like File, Edit, Modules, View, Scripts, Windows, Templates, Configuration, and Help. The bottom panel shows a table of data with columns for access url, access_s, access_f, bib.ref, and calib.le. The table contains several rows of data, including a row for 'Main file (size 3816000 byte)' and a row for 'Progenitor (size 11962745 byte)'. The window also displays a search bar and a zoom control.

access url	access_s	access_f	bib.ref	calib.le
http://www.eso.org/ftp/ACF/2014-16/	2036160	applicat		
http://www.eso.org/ftp/ACF/2014-16/	2036160	applicat		
http://www.eso.org/ftp/ACF/2014-16/	3816000	applicat		
http://www.eso.org/ftp/ACF/2014-16/	11962745	applicat		
http://www.eso.org/ftp/ACF/2014-16/	2447240	applicat		

Standards of the year

1. HiPS:

HEASARC, ESO, Chinese OpenWWT initiative,
ESAC, CDS, ...

2. Datalink : ESO, CADDC, GAVO, ...

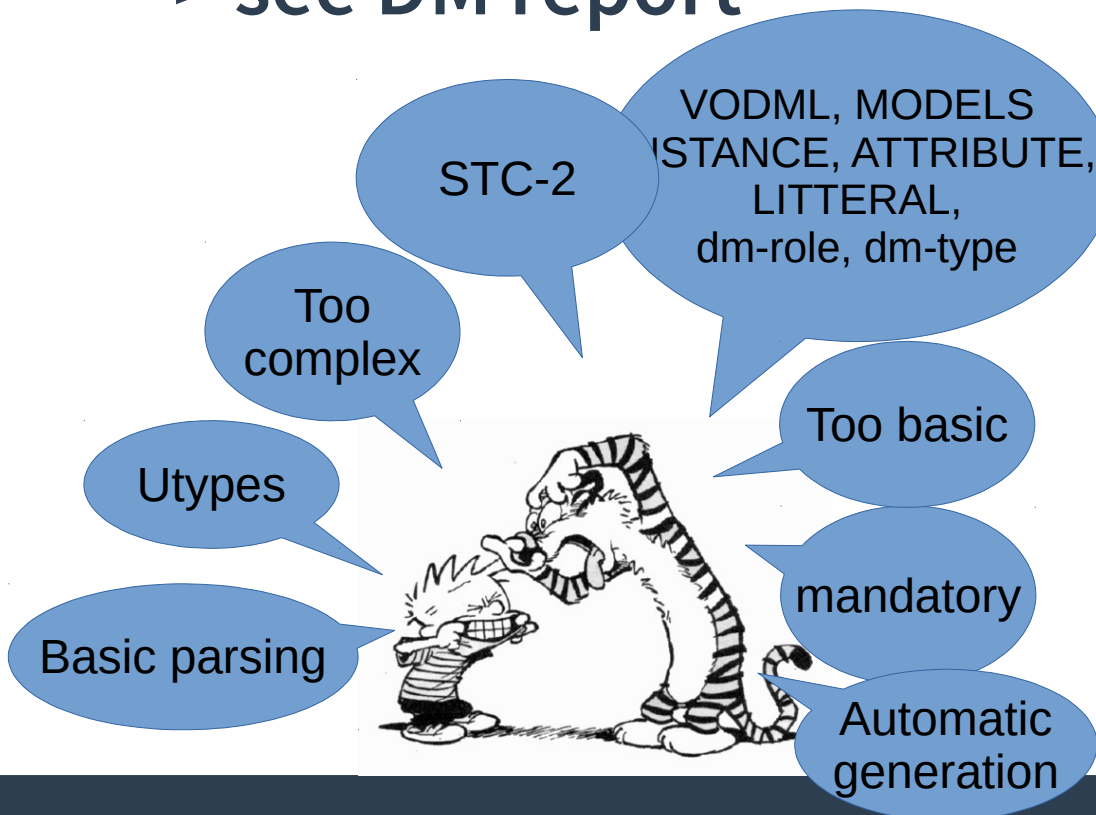
3. SIAv2 : CADDC, GAVO, IRAS, ...

and a challenger : Python (astropy, jupyter...)



Open questions

- Define a mime type for HiPS (datalink context)
- VODML mapping in VOTable
=> see DM report



Discussion: VOTable arraysize=1

- **Problem:**
 - A scalar or an array of one element ?
- **Actions:**
 - Remove systematical arraysize=1 from TAP lib for regular scalar
 - Extend VOTable validator for warning



HiPS you can

- Already two US candidates

