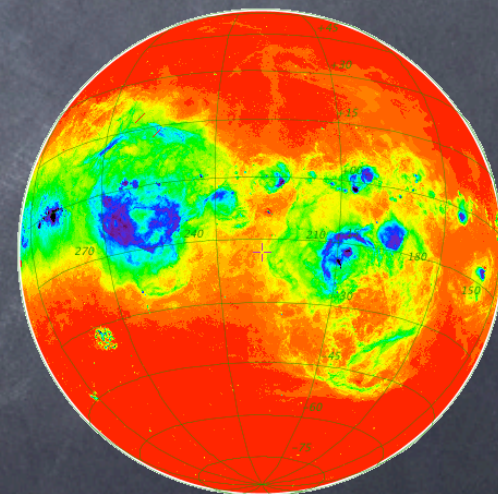


Focus
demo

Aladin v7, an open source all-sky browser



Thomas Boch
Anaïs Oberto
Pierre Fernique
François Bonnarel
Grégory Mantelet



Aladin's milestones

- 1999 (1st release) : **simple visualizer**, able to superimpose catalogues on DSS images
- 2003-2004 (v1.4 & v2) : search and **access to Virtual Observatory services** (registry, images, spectra and catalogue services)
- 2005 (v3) : **multi-view** mode with synchronisation between the panels
- 2007-2009 (v4 & v5) : **interoperate with other tools** (TOPCAT, DS9, ...) through SAMP/(PLASTIC)
- 2010 (v7) : **all-sky** data, all-sky navigation



ADASS XX Focus Demo
November 8th 2010
T. Boch, A. Oberto



Aladin v7 (1/2)

- Emphasis on **all-sky data** :
 - hierarchical multi-resolution all-sky **image surveys** (using HEALPix tessellation)
 - 2MASS, DSS color, IRAS
 - all-sky *progressive catalogues*
 - SIMBAD, Tycho, 2MASS, PPMX, ...
 - HEALPix FITS files (WMAP, Planck)
 - polarization visualization
 - catalogue density maps

Aladin v7 (2/2)

- 👁 Bookmarks

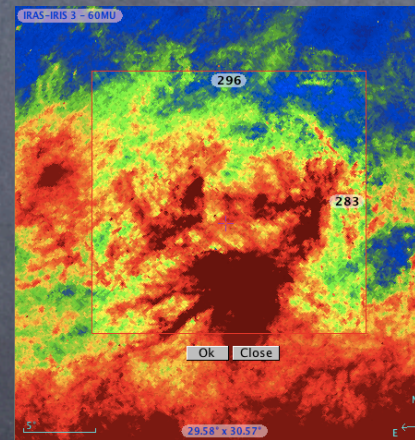
★ NED ★ PPMX ★ 2MASS ★ USNO ★ Contours

- 👁 Store and easily reproduce frequent tasks

- 👁 Scatter plots

- 👁 Improved command console

- 👁 Flexible crop tool

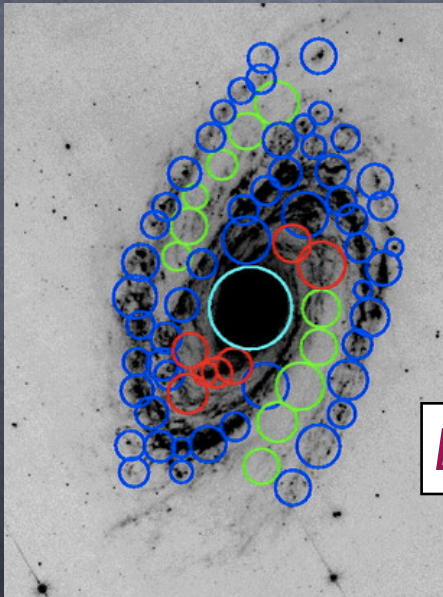


Demonstration plan

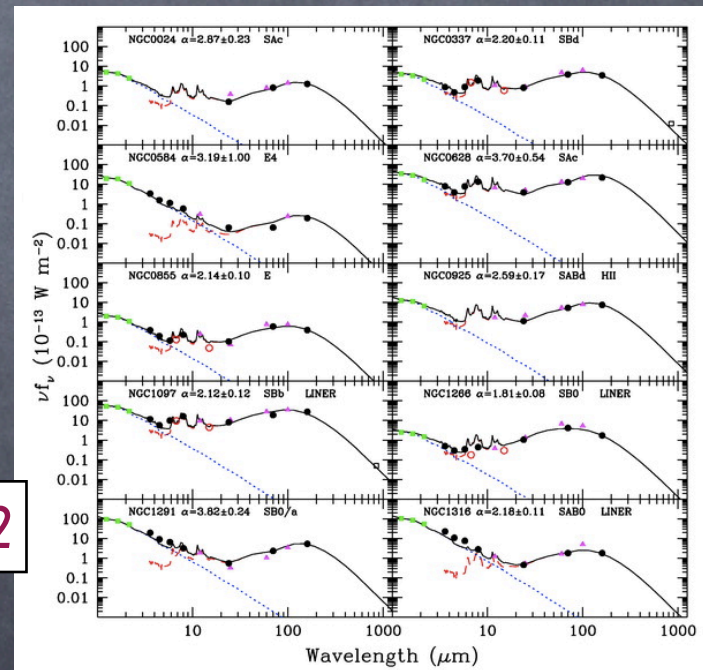
- All-sky features
- Scatter plots
- Generation of thumbnails for a list of objects
- SED Plugin

SED Plugin

- Aladin plugin
- Goal: get a first idea of the SED (Spectral Energy Distribution) for extended sources



Dale et. al, 2002



Conclusion

- Aladin v7 to be released in the coming weeks
- Beta version available:
<http://aladin.u-strasbg.fr/java/AladinBeta.jnlp>
- Source code released under GPL v3 licence
- SED plugin (beta version) :
<http://aladin.u-strasbg.fr/java/plugins/SedPlugin.jar>
- Poster P004 :
Build **your** all-sky view with Aladin