Aladin v7,
an open source
all-sky browser

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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
Aladin v7 (1/2)

Emphasis on all-sky data:
- hierarchical multi-resolution all-sky image surveys (using HEALPix tesselation)
  - 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
  - Store and easily reproduce frequent tasks
- Scatter plots
- Improved command console
- Flexible crop tool

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