## Advanced Aladin Enrique Solano



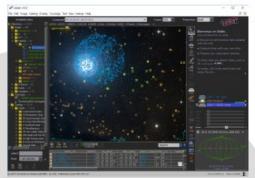


## What's new in release V10?

#### Discovery data tree

Integrated access to all CDS and other VO collections (>20,000 data sets)...





#### New look & feel

Modern and compact layout...





# ALADIN

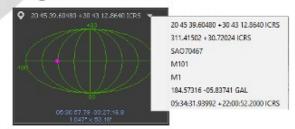
#### Access selector

Choose among all available access modes and derived products ...

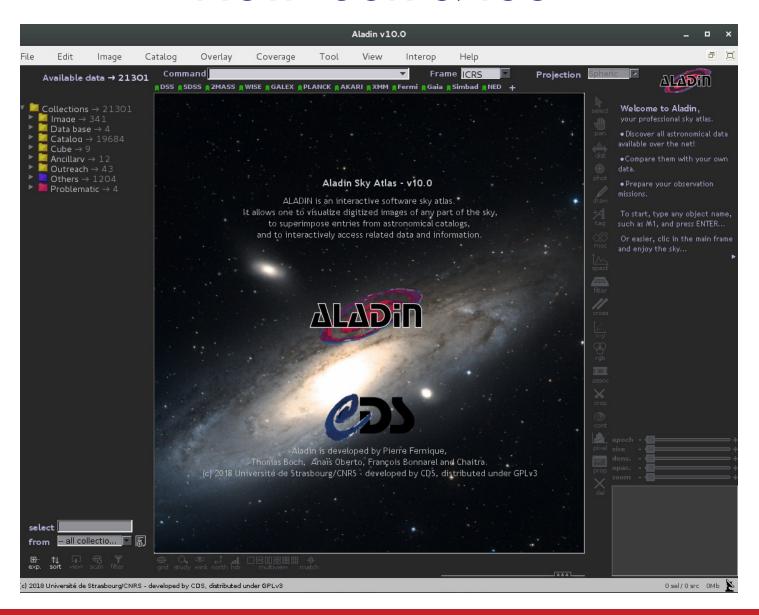


#### Target history controler

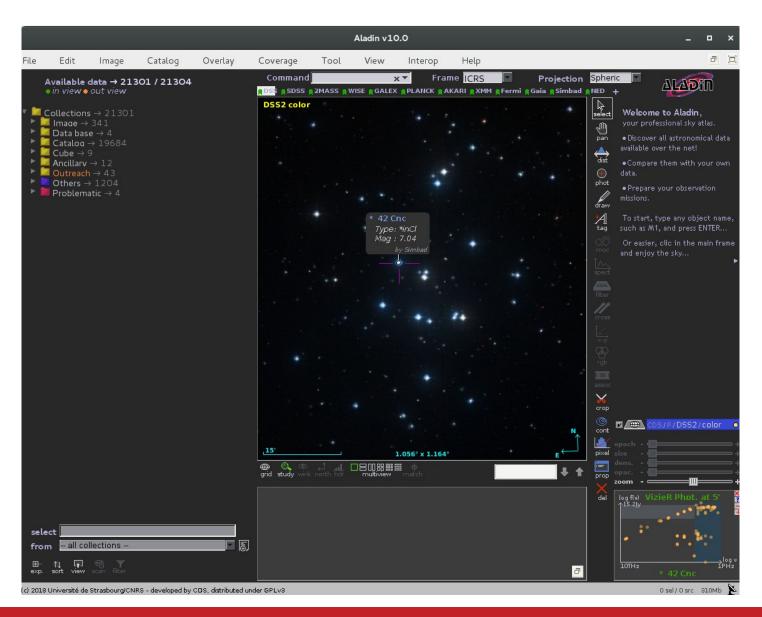
Come back to a previous target, command...



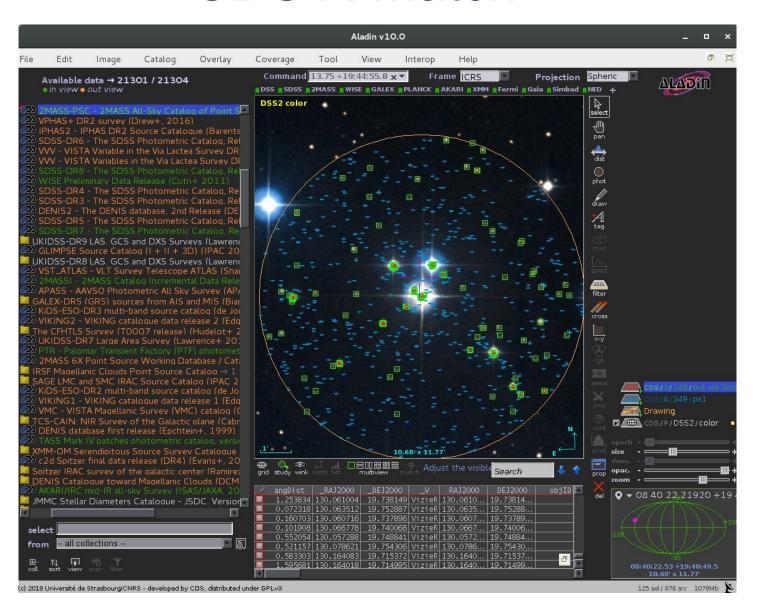
#### New look & feel



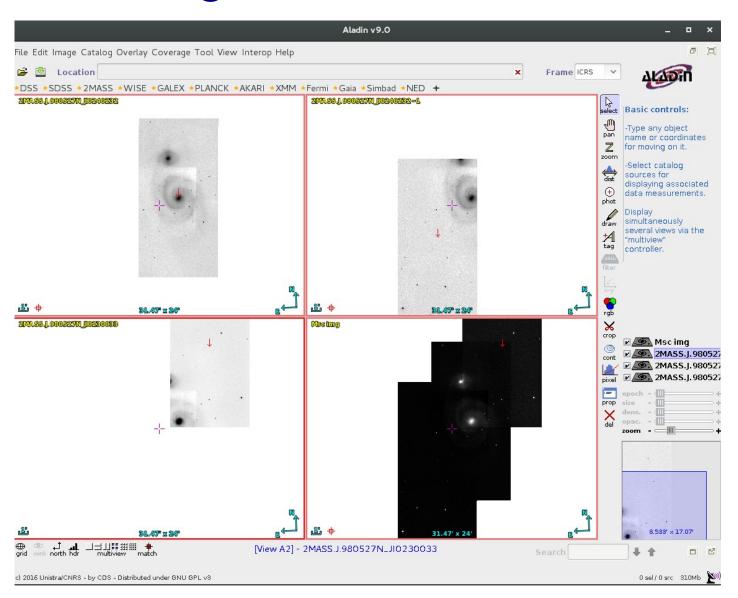
#### Simbad & Vizier info



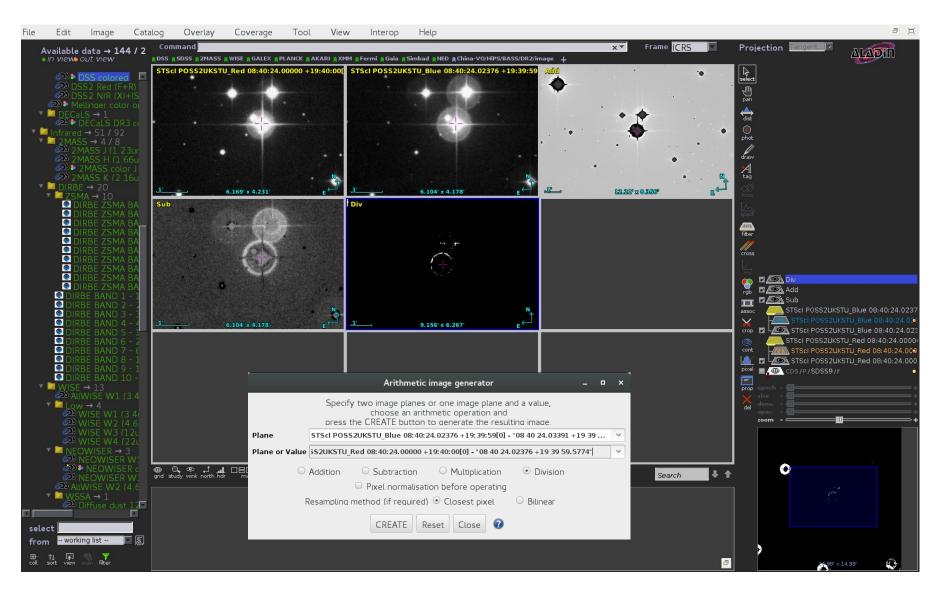
#### **CDS X-match**



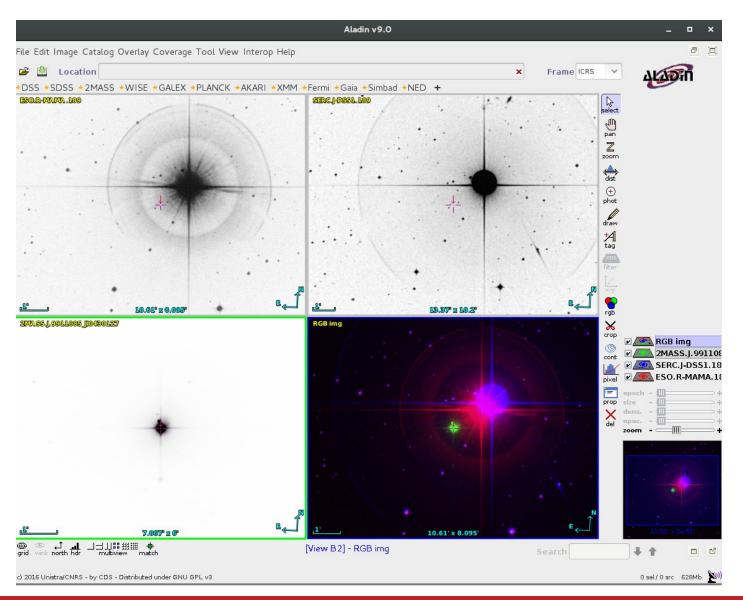
## Image / Mosaic builder



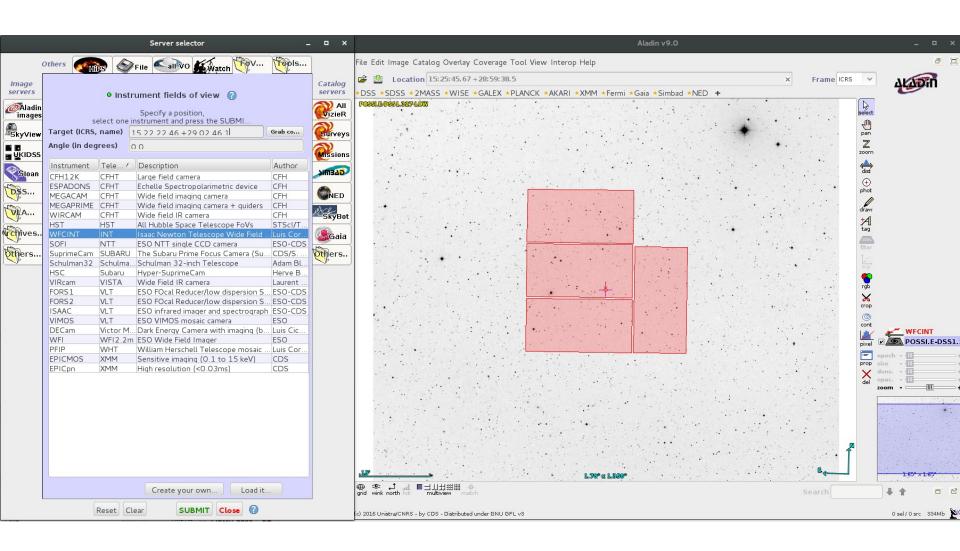
## Image / Arithmetic operation



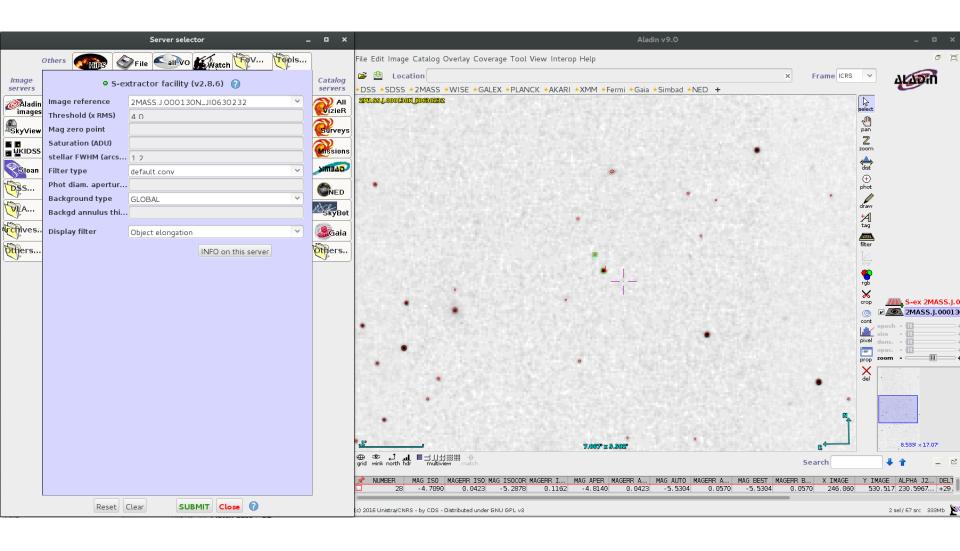
## Image / RGB builder



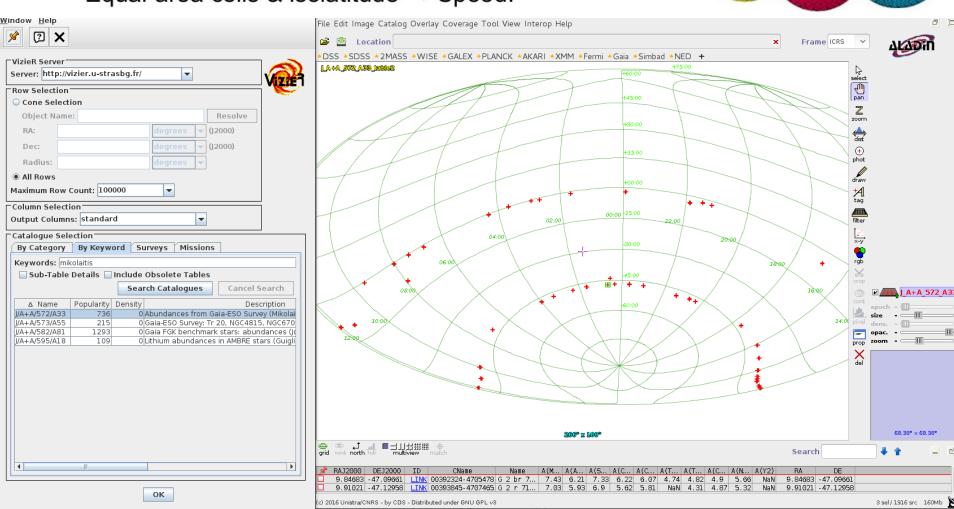
### File / Load instrument FoV



#### Tools / Remote tools/Tools / Sextractor



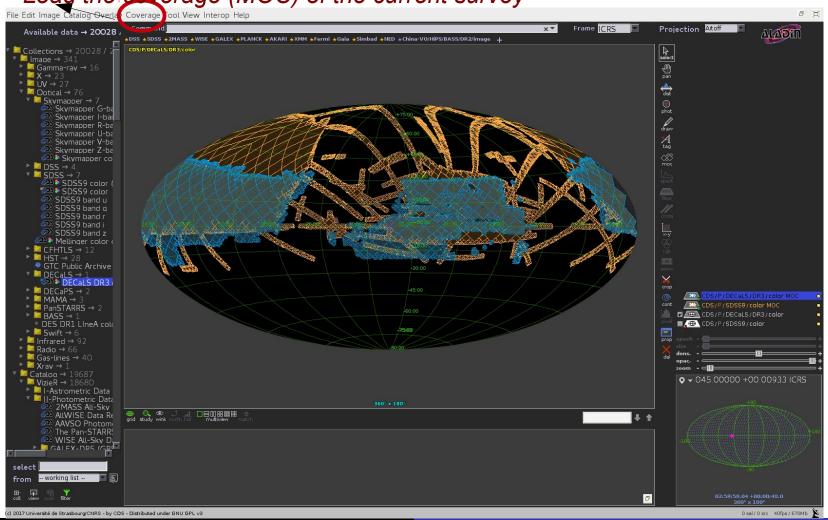
- Multi-object coverage (MOC): Method for describing sky regions
- Based on Healpix (list of HEALPIX cells stored in a FITS binary table)
  - Equal-area cells & isolatitude → Speed.



#### MOC

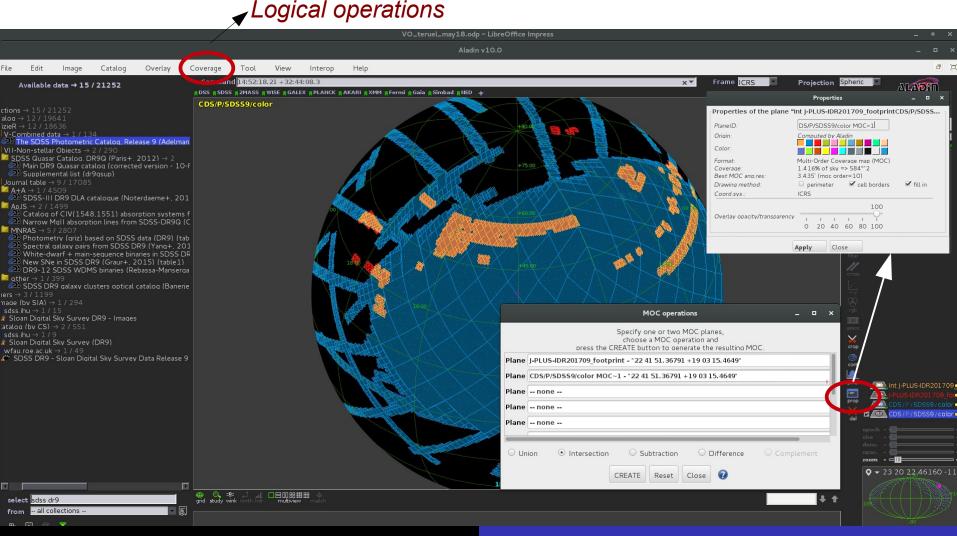
#### How to know the area in common between two surveys?

Load the coverage (MOC) of the current survey



#### Case #4: Aladin

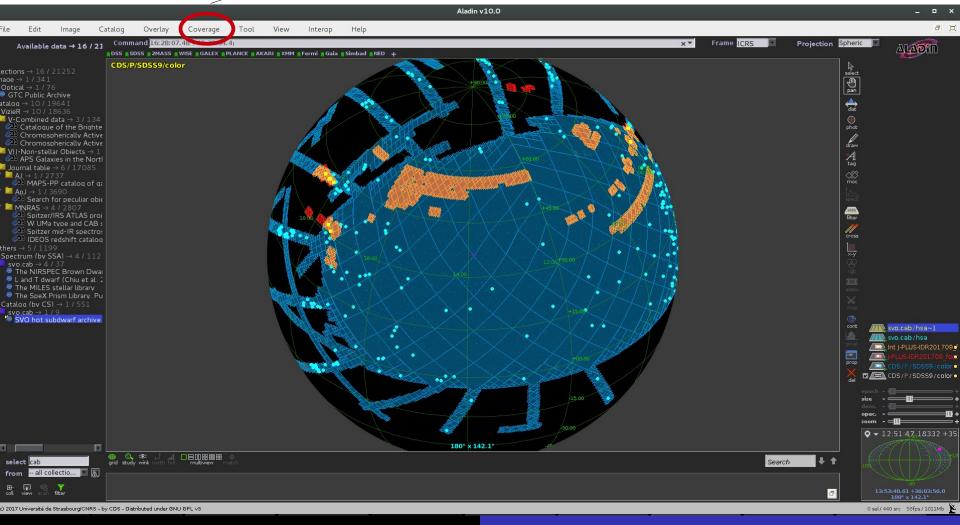
How to know the area in common between two surveys?



## Case #4: Aladin

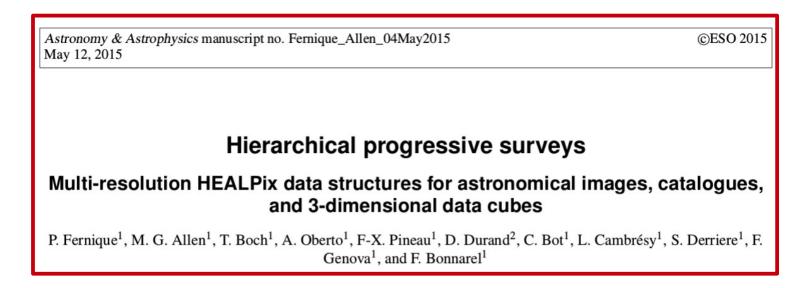
How to know the area in common between two surveys?

→ Filter a table by MOC



#### **HIPS**

- Hierarchical Progressive Survey
- Visualize a survey "a la Google maps".
- Multi-scale view of images with capability to zoom and pan on any region.



#### **HIPS**

