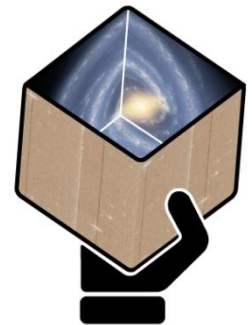


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WP4 - Visualization



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A. Moitinho



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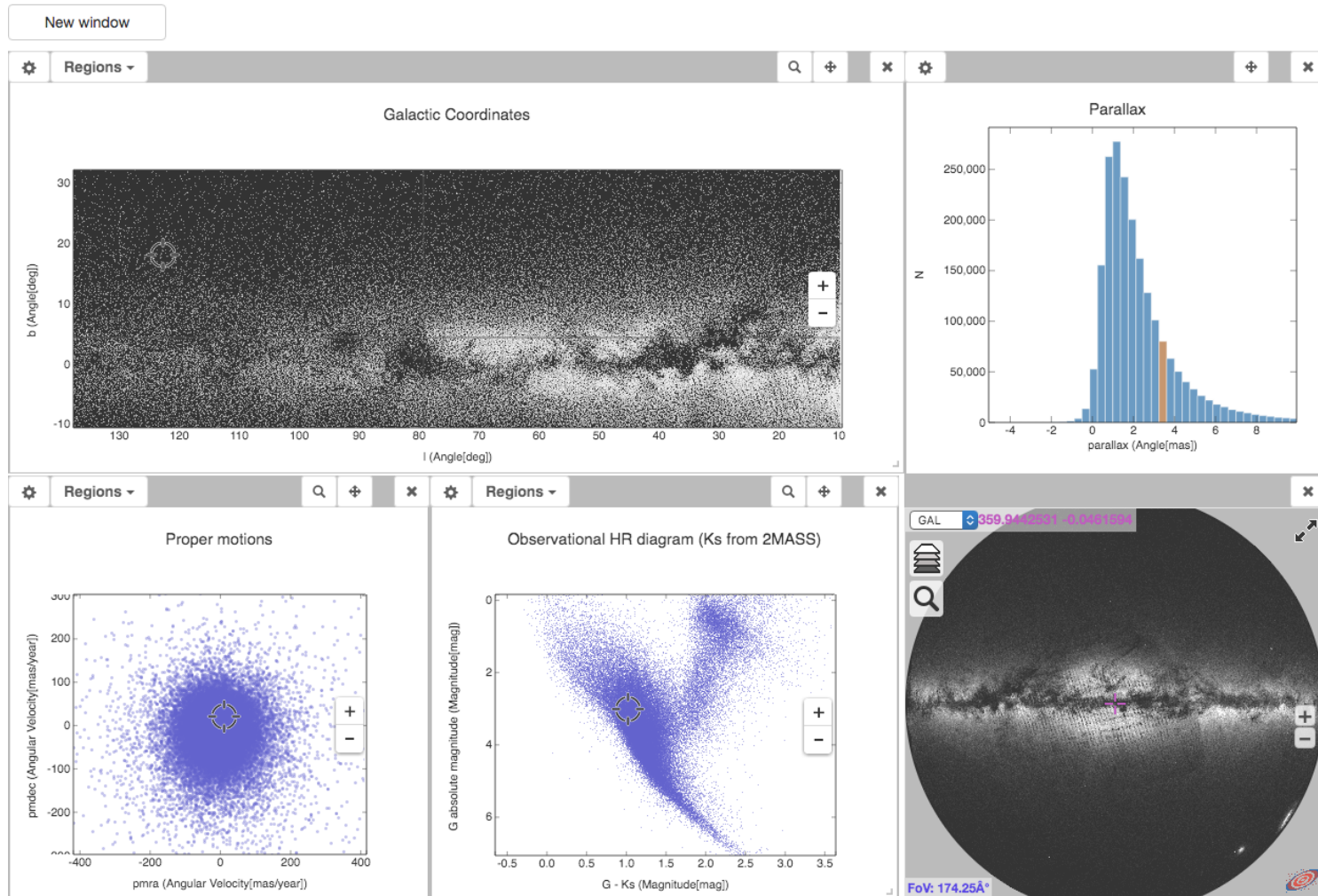


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DR1 visualization services

Web based desktop



Fixed list of pre-defined visualisations

2D scatter plots:

Galactic panorama, 2mass HR diagram, proper motion diagram.

Capable of dealing with > 1 billion sources

Detail on demand (DoD).

Visually generated ADQL queries for sky maps.

Supports DS9/JS9 region files.

1D Histograms

l , b , proper motions, G mag, G flux, ...

Capable of dealing with > 1 billion sources.

On the fly computation with arbitrary, user specified, number of bins



Plans for DR2

More plot types and extended features:

- 2D binned plots (density or attribute maps)

- Hybrid 2D density/scatterplots

- Time series. with folding

- Line plots (DoD under analysis)

- Multiple layers

- Annotation tools (draw, write)

- 3D

Related to integration with archive (CAS authentication):

- Visualisations of subsets

- User triggering of new (not precomputed) visualisations

- Visualisation of user tables.

- Extended Visual generation of ADQL queries (and submission of queries). New indexes at GACS.

- Session saving and resuming

- Sharing visualisations

Under study:

SOM vis of CU8 as a plug-in

Extra tools from CU7

SAMP

Public API



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