

VOPlot 1.7

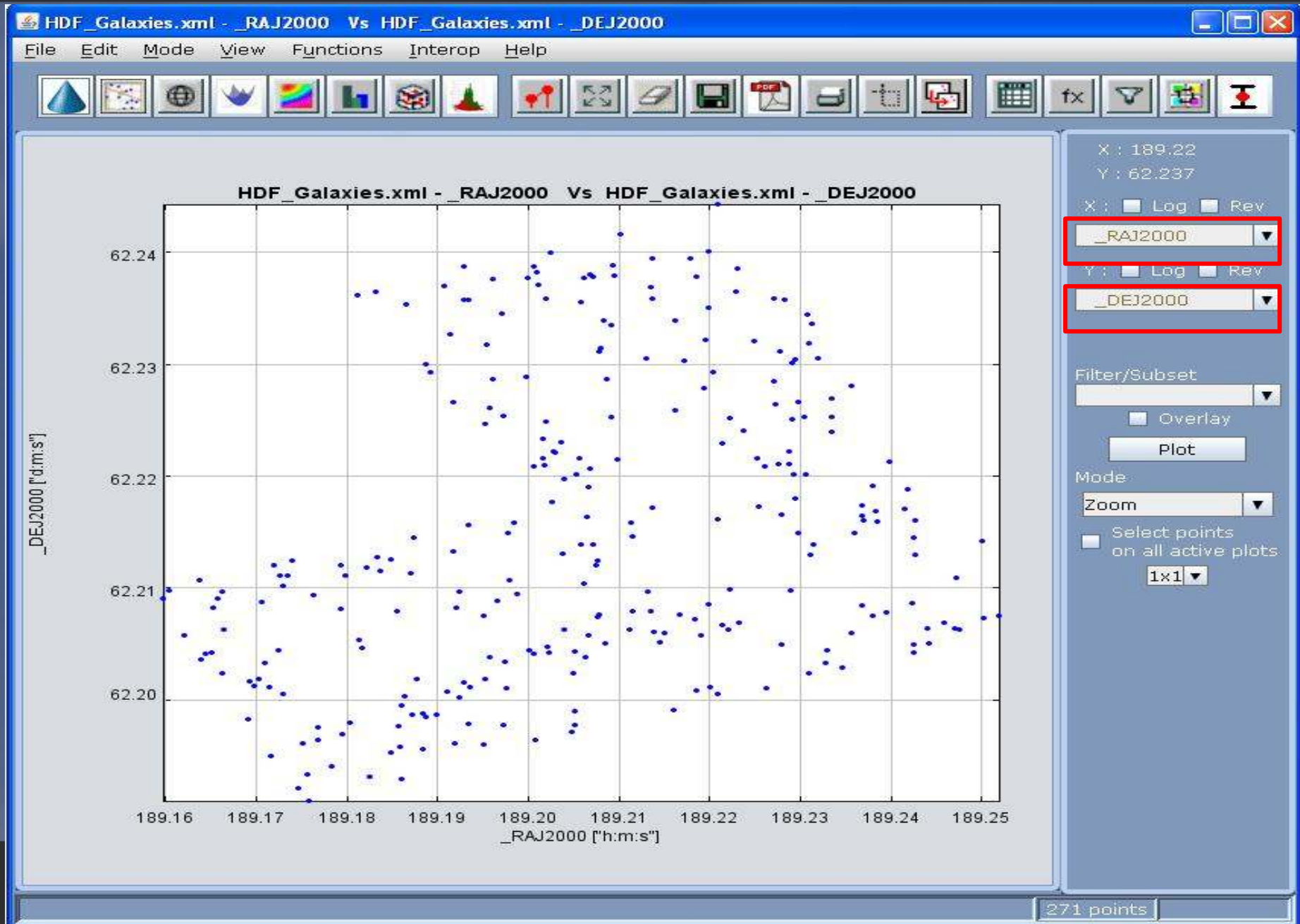
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New Features

- Default Plotting of first columns.
- Revamped Projection Plot.
- 2D histogram now supports the classic "outline" histogram format.
- A fully updated user guide.
- Other enhancements and bug-fixes.

Default Plotting

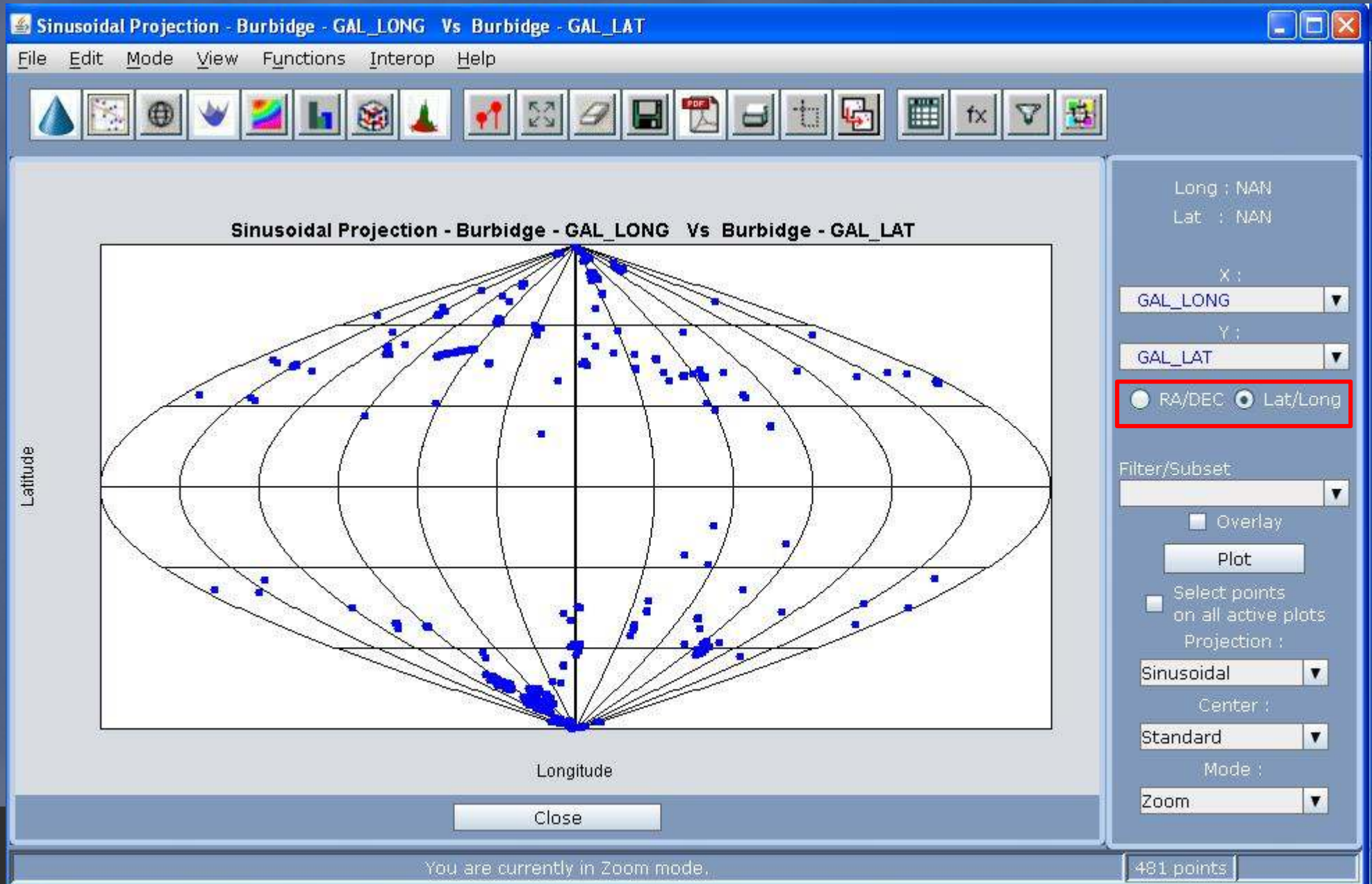
Default Plotting Scatter Plot



Projection Plot

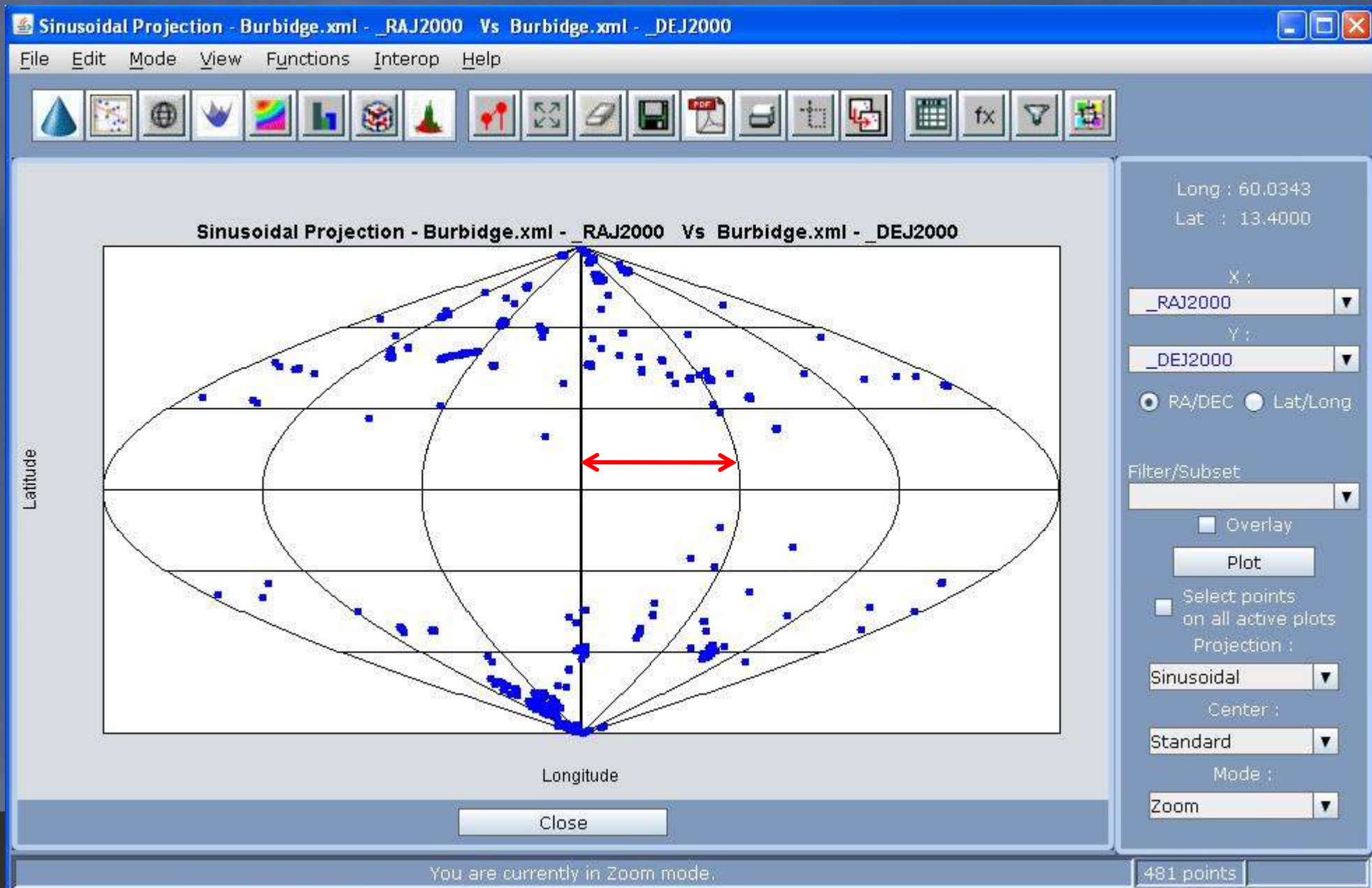
Projection Plot

Galactic Coordinates Support



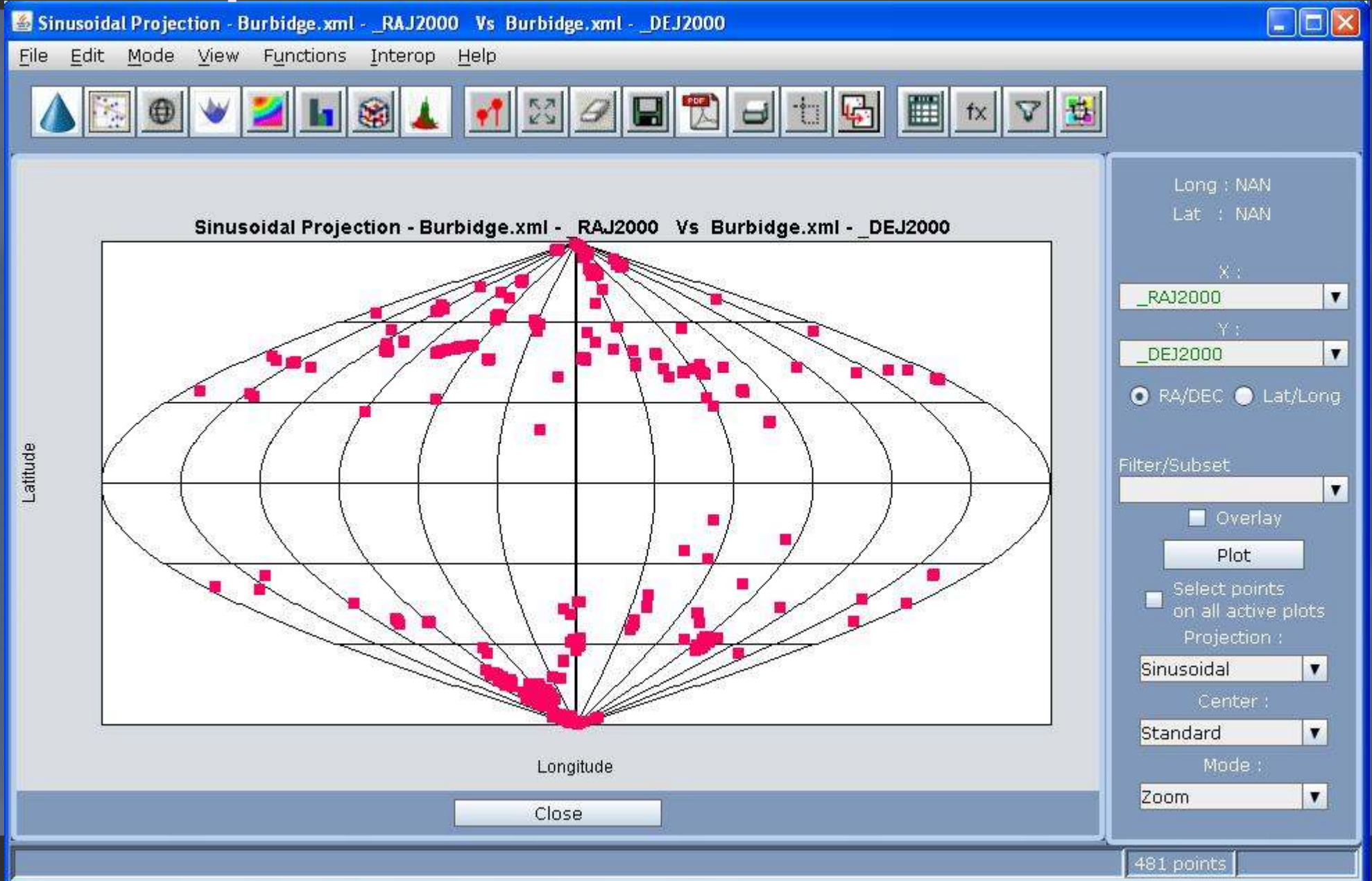
Projection Plot

Plot Properties - Basic



Projection Plot

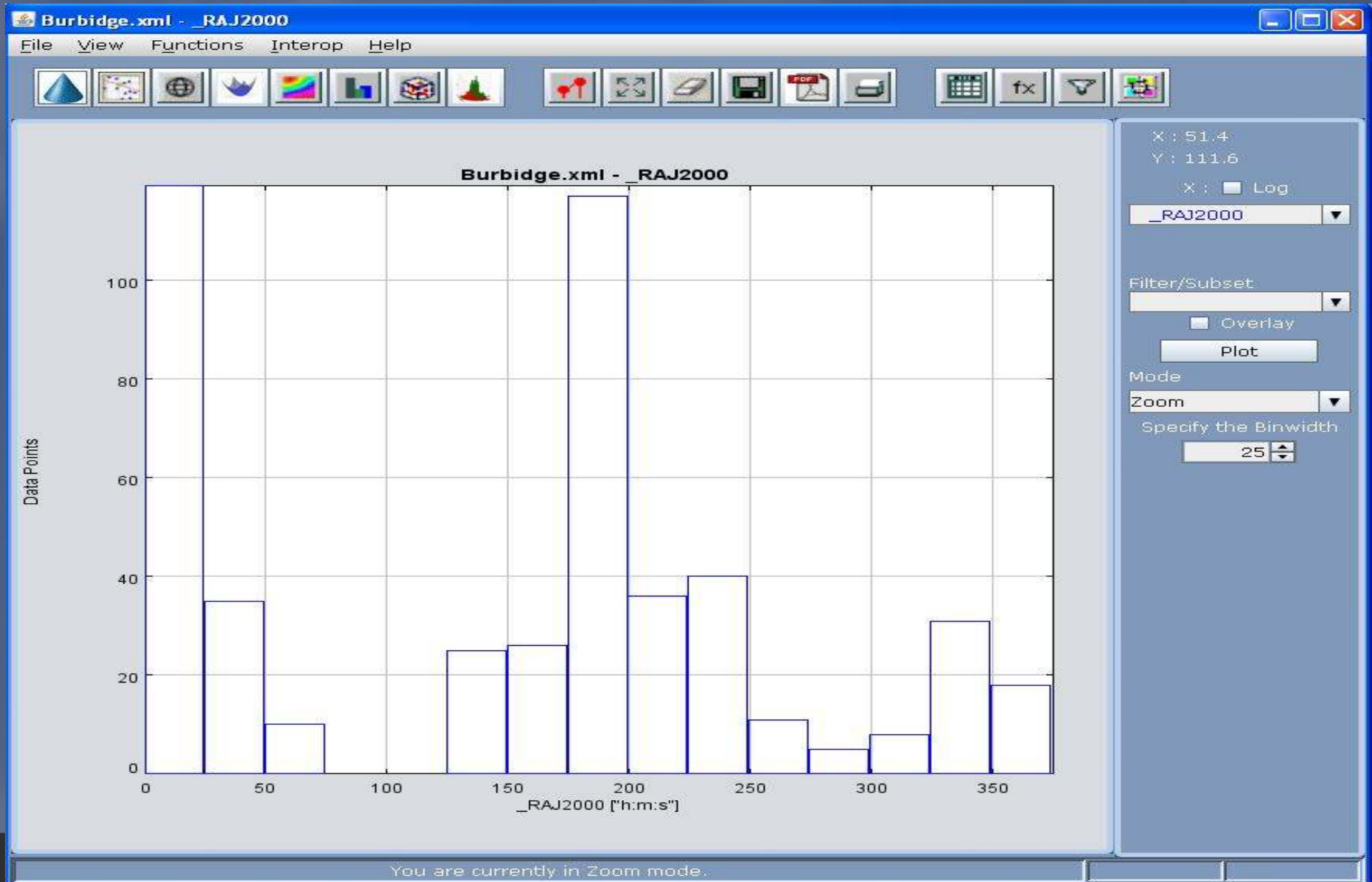
Plot Properties - Advanced



Outline Histogram

Histogram 2D

Outline Format



Enhancements

Cone-search

Cone-search

Support of AND/OR Logic

The screenshot shows a web browser window titled "Cone Search". The search bar contains the text "sdss 2mass" and is highlighted with a red box. To the right of the search bar are "Submit" and radio buttons for "AND" and "OR". Below the search bar, a table of search results is displayed. The first row is highlighted, and its index "1" is circled in red. Below the table, there is a "Selected Resource Description" section and a "Cone Search Parameters" section with input fields for URL, object name, coordinates, and radius.

Columns Registries

Cone Search

Available Cone Search Services

Key Word : Submit AND OR

THE RESOURCES WERE CACHED ON 2011-08-11 12:40:49

Short Name	Title	Creator	Publisher
J/AJ/127/3553	JHK photometry and spectros...	Knapp G.R., Leggett S.K., Fan...	CDS
J/AJ/130/1097	BHB stars in Century Survey ...	Brown W.R., Geller M.J., Keny...	CDS
J/AJ/125/3302	HST binary very low mass sta...	Gizis J.E., Reid I.N., Knapp G...	CDS
J/A+A/448/579	Sample of confirmed WDs in ...	Carollo D., Bucciarelli B., Hod...	CDS
J/AJ/123/3409	SDSS M, L, and T dwarfs (Ha...	Hawley S.L., Covey K.R., Kna...	CDS
J/MNRAS/382/412	Catalog of SDSS-DR5/2MASS ...	Ofek E.O., Oguri M., Jackson ...	CDS
J/MNRAS/386/1252	SWIRE/SDSS quasars (Hatzi...	Hatziminaoglou E., Fritz J., Fr...	CDS
J/MNRAS/383/1513	2MASS, SDSS and FIRST fluxe...	Labita M., Treves A., Falomo R.	CDS

1

Selected Resource Description

The GSC-II white dwarf survey catalogue contains astrometry photometry and classification for 41 cool white dwarfs. For each object equatorial coordinates, absolute proper motions, photographic photometry (BJ, RF), SDSS and 2MASS photometry, spectroscopic classification, and cross-match with Luyten's catalogue (LHS, NLTT) are given. Position accuracy is in the range of 0.2"-0.3" while proper motions have a typical total error between 2 and 6mas/yr. Magnitudes are between 15.1<RF<19.7 and colors in the range -0.1<BJ-RF<1.9. Proper motions are in the range (0.2-1.1)mas/yr.

Cone Search Parameters

Cone Search URL:

Object Name/Id : Resolve

Right Ascension (J2000): Example 20h 30m 40s or 20:30:40 or 20 30 40 or in deg

Declination (J2000): Example 20d 30m 40s or 20:30:40 or 20 30 40 or in deg

Radius : deg

Ok Close

ASCII Parser

Bad Data Handling

- ASCII-Parser detects the data type of OID column as byte
- User has the option to skip a particular line with erroneous data or skip all lines.

The screenshot shows a dialog box titled "Ascii Input Information" with a close button (X) in the top right corner. Inside the dialog, the text "Table 1 Metadata" is centered. Below it, a red italicized note reads "Note: Datatype is editable". A table with the following columns is displayed: "ColNo.", "Column...", "DataType", "Width", "Precision", "Unit", and "Ucd". The table contains four rows of data, with the fourth row highlighted in red. The fourth row is: "4", "_OID", "byte", "", "", "", "".

ColNo.	Column...	DataType	Width	Precision	Unit	Ucd
1	Column1	float				
2	Column2	float				
3	Column3	float				
4	_OID	byte				

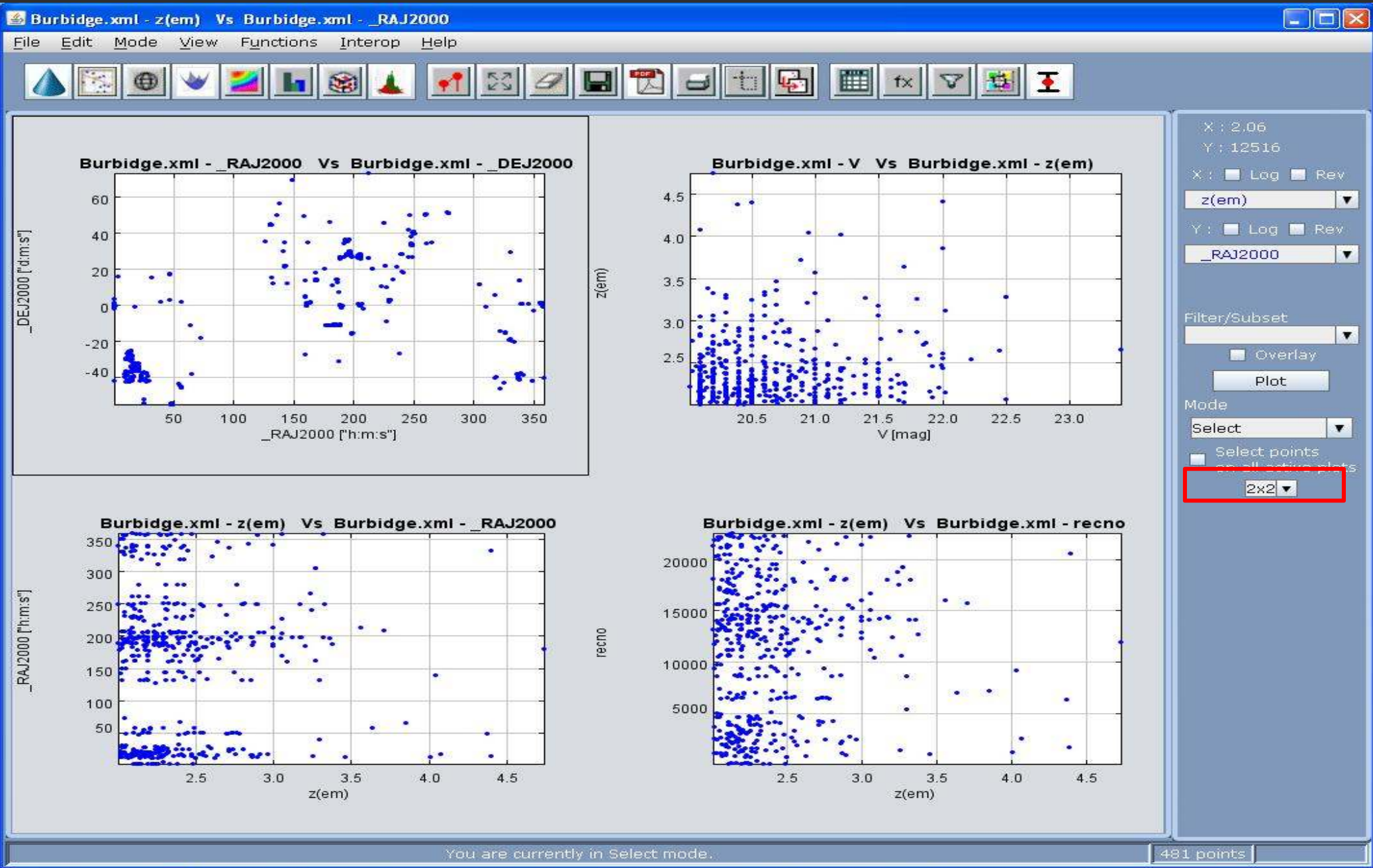
Below the table, a smaller dialog box titled "Parser Interrupted !!" is overlaid, also with a close button (X) in the top right corner. It contains an error message: "Exception encountered at line: 130 column: 4
Line containing following data: [-1.7,-1.2,0.4756,128]
Expected type of the value '128' is byte". At the bottom of this dialog are three buttons: "Skip", "Skipall", and "Cancel".

At the bottom of the main dialog box, there are two buttons: "Back" and "OK".

Upcoming Features

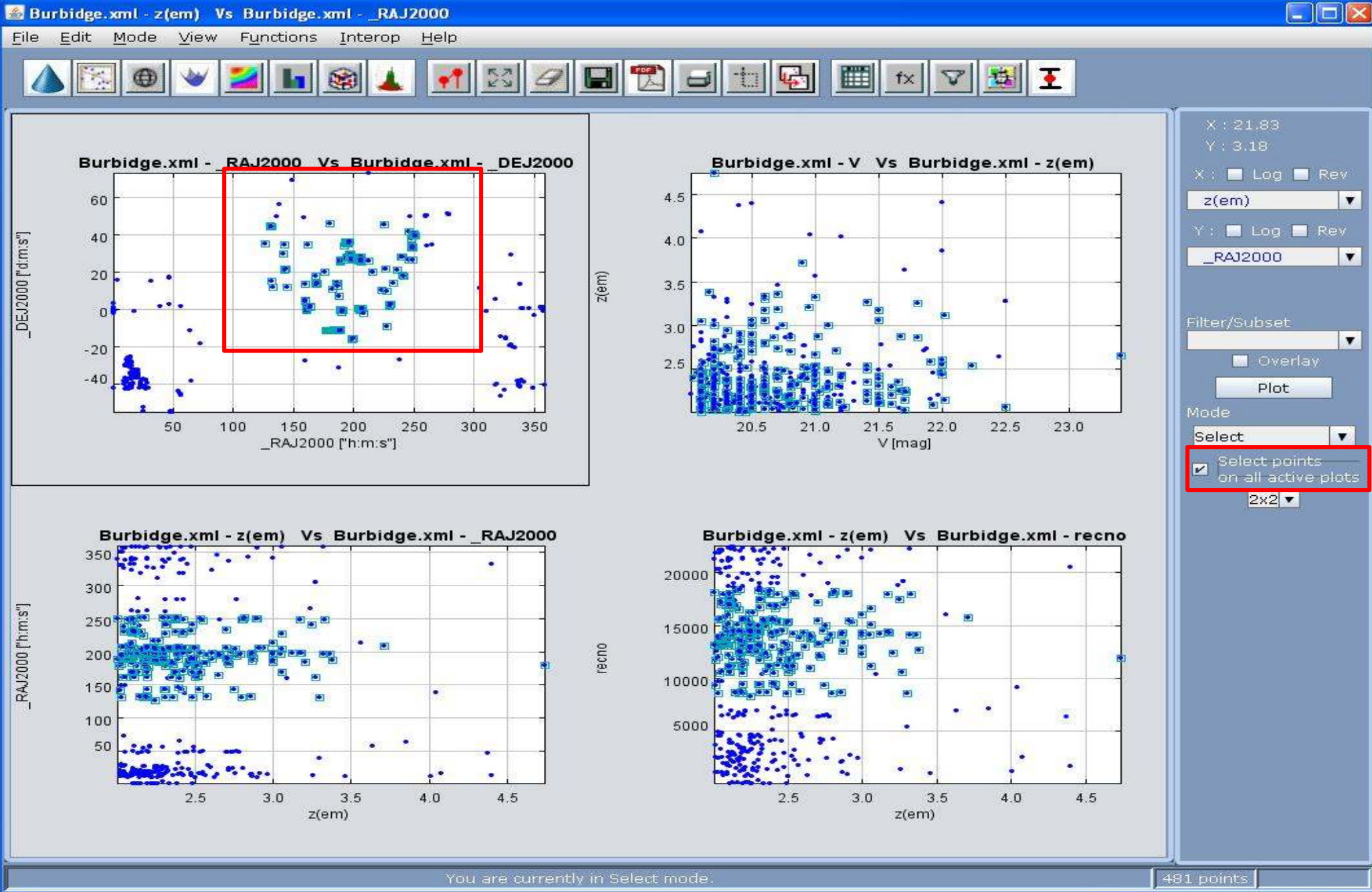
Scatter Plot

Multi Grid Plots



Scatter Plot

Multi Grid Plots



THANK YOU

