Visualisation

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GENIUS WP 400.20 /
DPAC CU9 WP980

Architecture

Object
Server

Visualization
clients

Gaia archive

e.g. CSI-VEGA, Topcat
VISIVO, Aladin, …

User interface (client) - Lets keep it simple!

http://

gaia archive

esa

HOME   SEARCH   STATISTICS   **TOOLS**   HELP   DOCUMENTATION

Visualization

Interactive 2D Milky Way panorama

Preset CMD - G vs 2MASS J-K

Preset muDelta vs muAlpha

Preset parallax distribution

Setup ▼

Setup ▼

Setup ▼

Scatter 2D
Density 2D
Histogram/densty 1D
Time series
Other plots
Image (aladin lite)

A Web Page

http://

EUROPEAN SPACE AGENCY   ABOUT ESAC   SIGN IN

gaia archive   esa
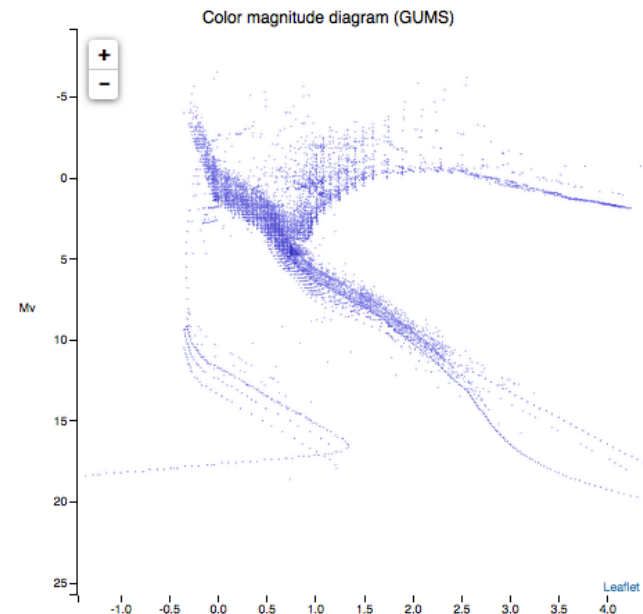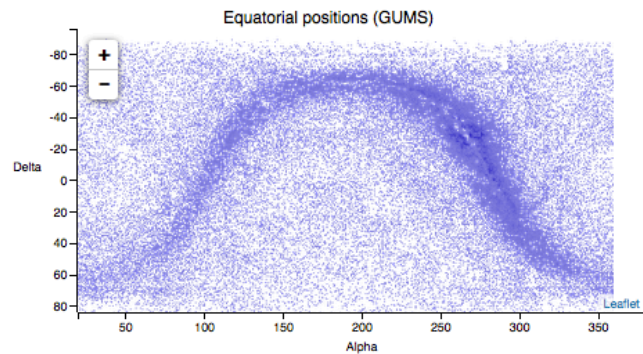
HOME   SEARCH   STATISTICS   TOOLS   HELP   DOCUMENTATION

Visualization

Interacti

Preset CMD - G vs 2MASS J-K   Pres

Setup

Scatter 2D
Density 2D
Histogram/densty 1D
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Other plots
Image (aladin lite)

Setup

2D Scatter plot options

Table

X
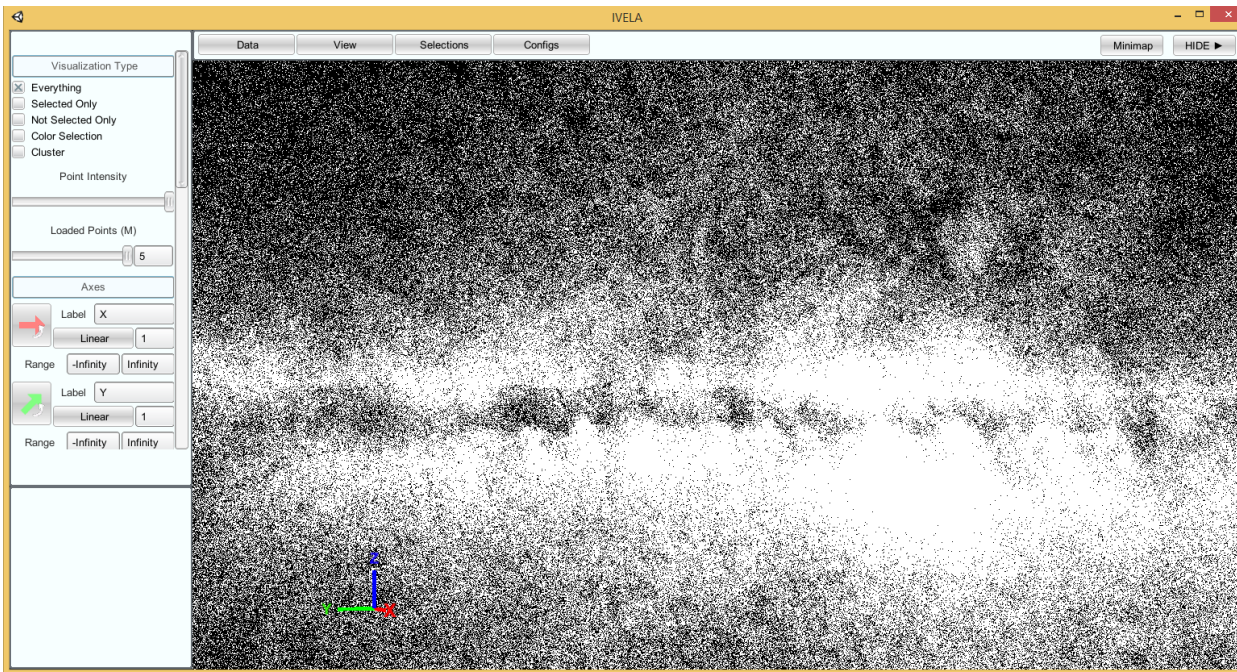
Y

Axes

☐ X log
☐ Y log
☐ X flip
☐ Y flip
☐ aspect lock

X min   X max

Y min   Y max

Form

Glyph

Size

Colour

Alpha

Shading

Aux variable

Legend

☐ Show
☐ Opaque

Layers

Add

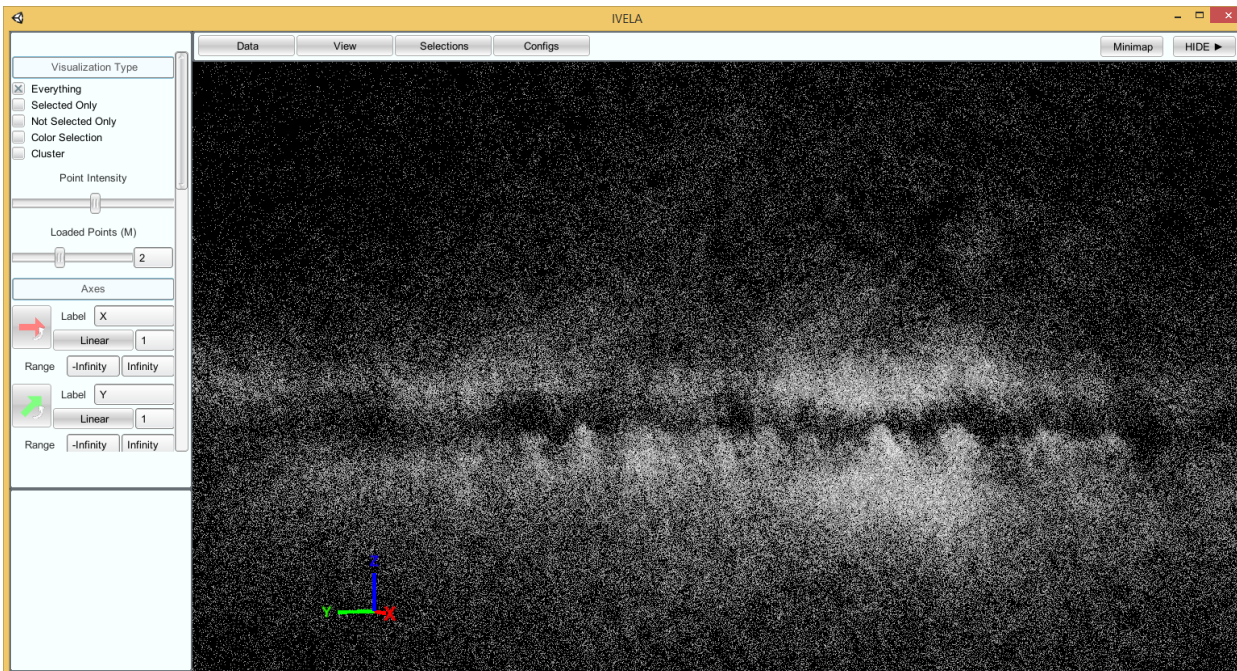☐ Table 1
☑ Table 2
☑ Table 3
☑ Table 4

Levels of detail as rasters computed on the server side.

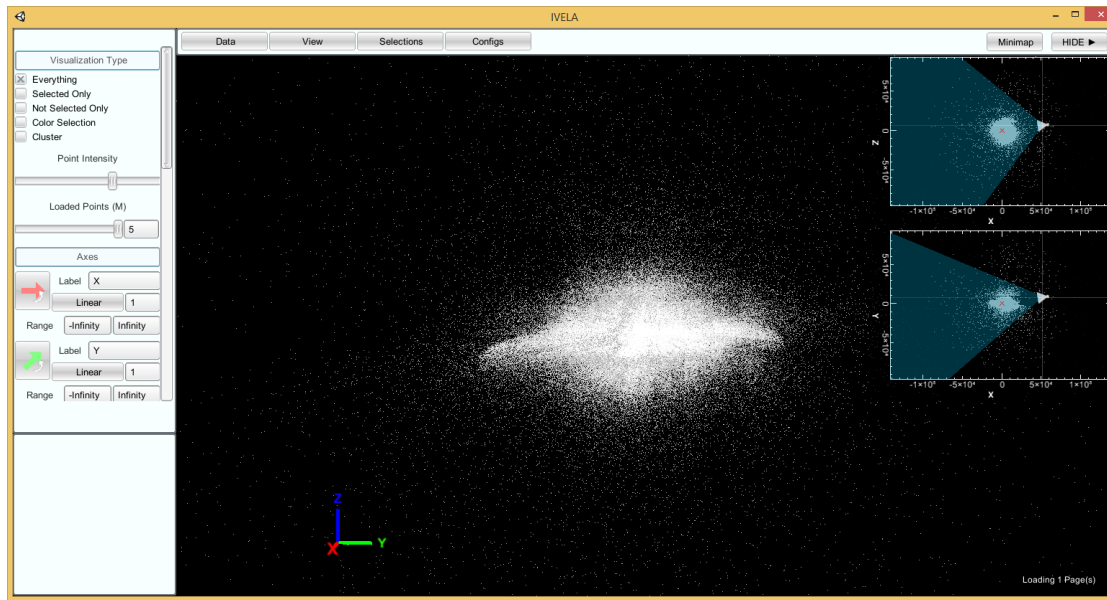Tech: Leaflet

No points are left out!

External 3D navigator receiving from Vis Server

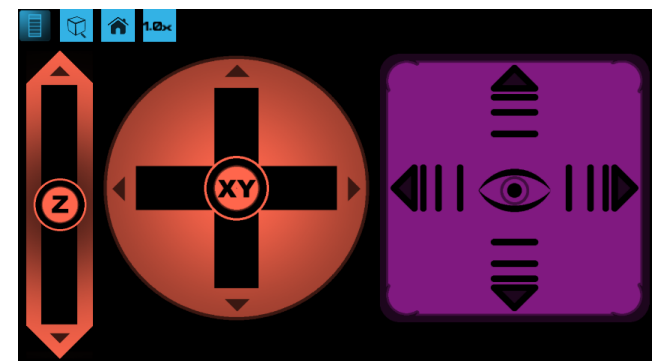View of the GUMS GC. Full point intensity and maximum simultaneous points
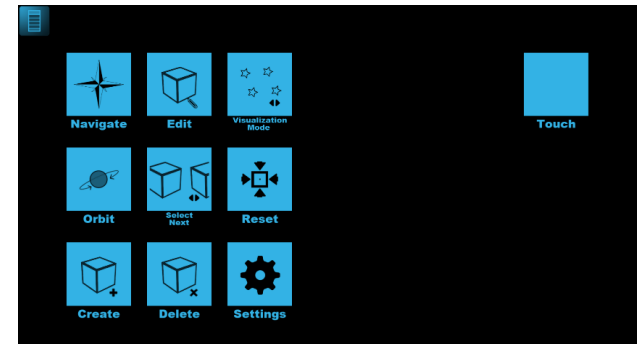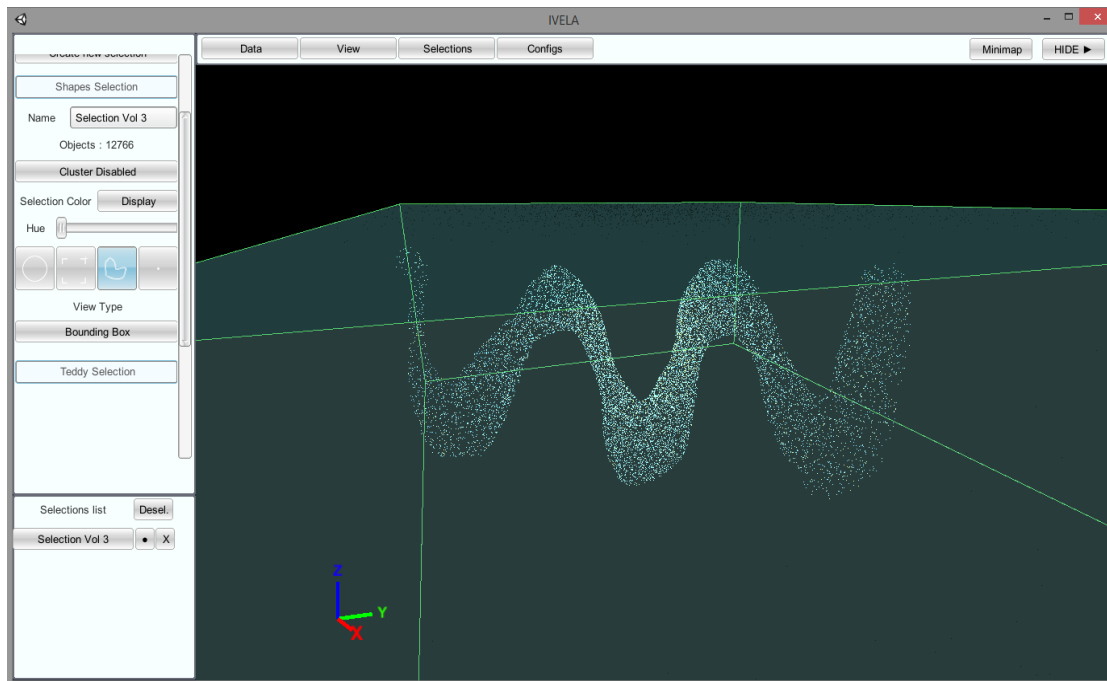
Limited to 2 million and medium point intensity

Mini map feature

Advanced 3D selection and interfaces

- Final notes

  - Optimised for common hardware.

    - Must make sure that will scale approprately.

  - Interest from other parties

    - Uniview

    - Glue python framework (Harvard, NASA)