CASA Viewers







Viewer

CARTA

Viewer

- Comes with CASA
- Displays both images and measurement sets
- Also performs image analysis
- No longer maintained
- Buggy

CARTA

Cube Analysis and Rendering Tool for Astronomy

- Does not come with CASA (get CARTA here)
- Displays images
- Also performs image analysis (limited functionality)
- Actively maintained

CARTA

Cube Analysis and Rendering Tool for Astronomy

Provide usability and scalability for the future (huge images) by utilizing modern web technologies and computing parallelization

Viewer vs CARTA?

Viewer vs

CARTA?

Now: Both

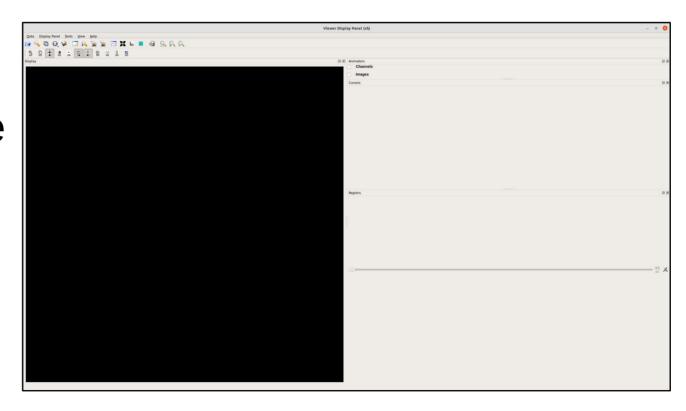
Use CARTA if it has the functionality you want, if not, use the Viewer

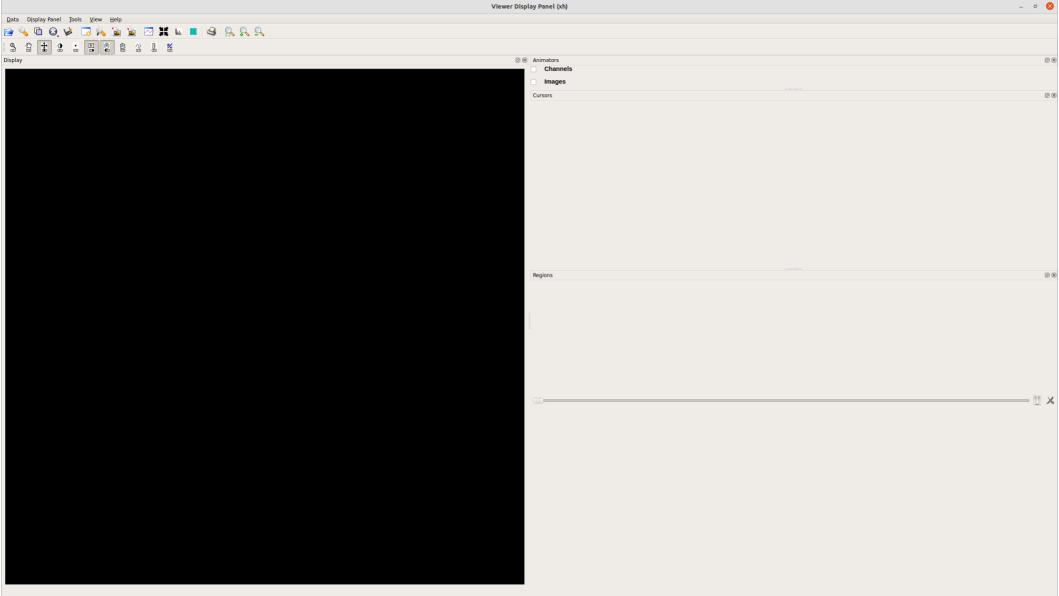
Future: CARTA

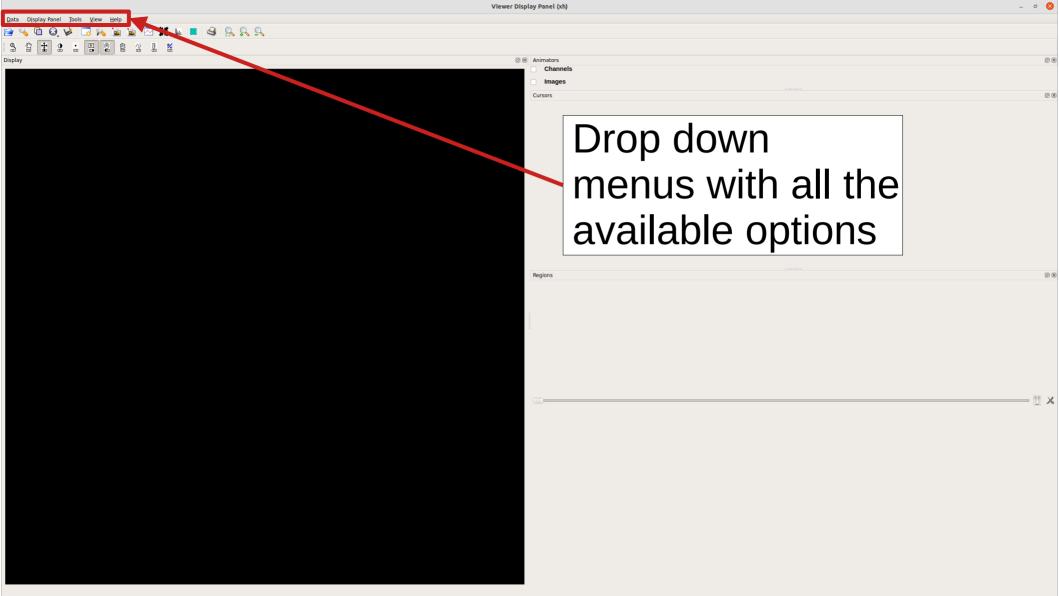
Starting the Viewer

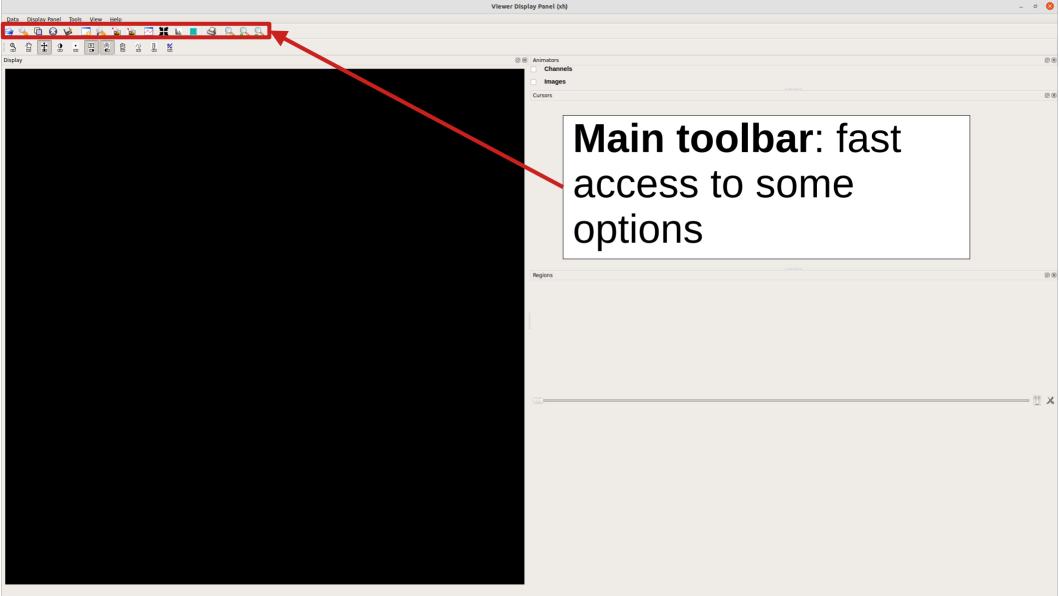
- imview or msview inside CASA
- casaviewer in a terminal

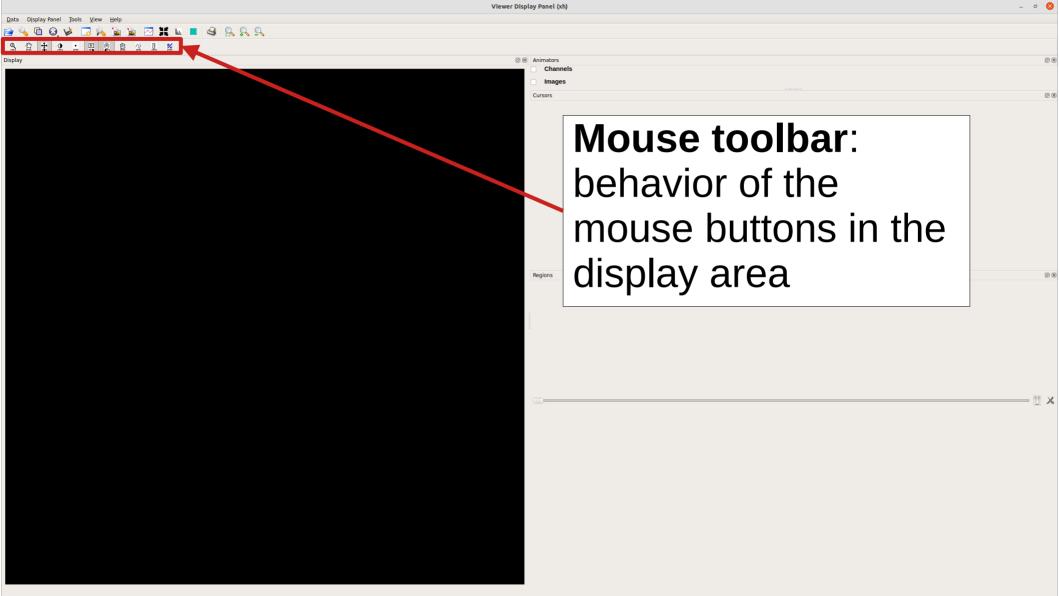
See Viewer basics here

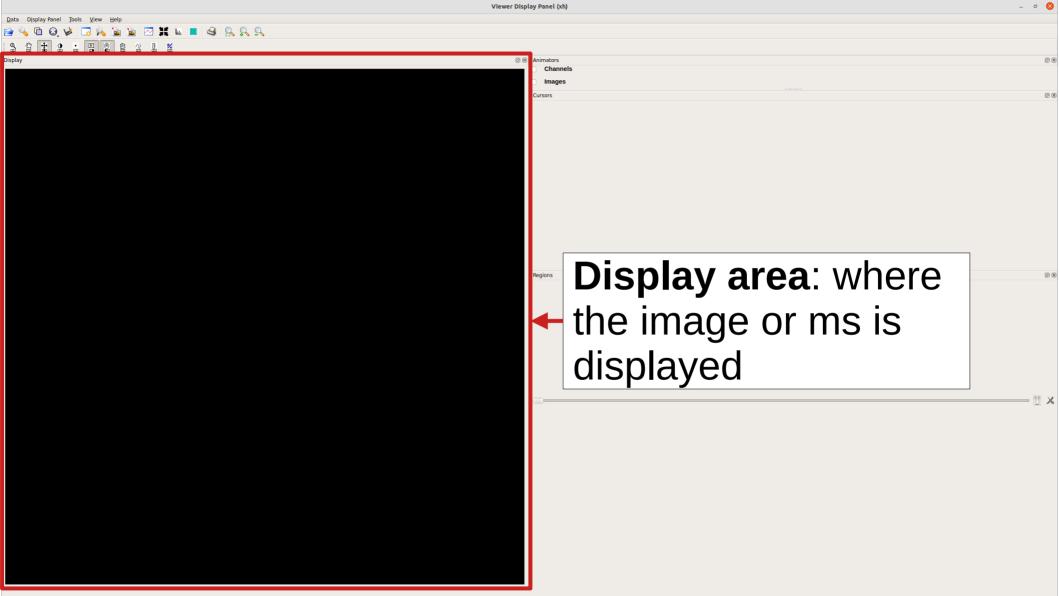


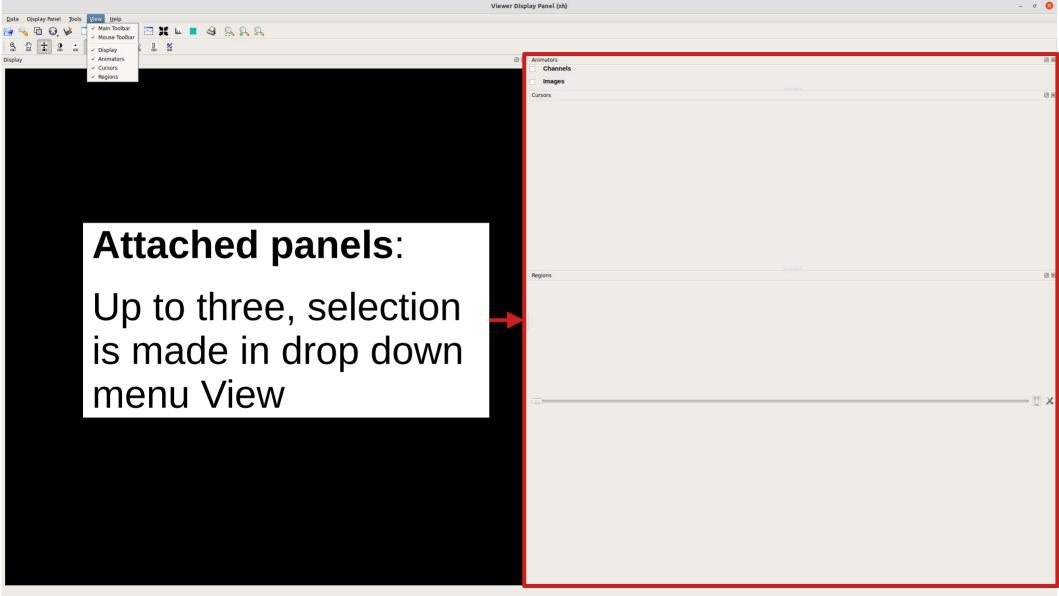


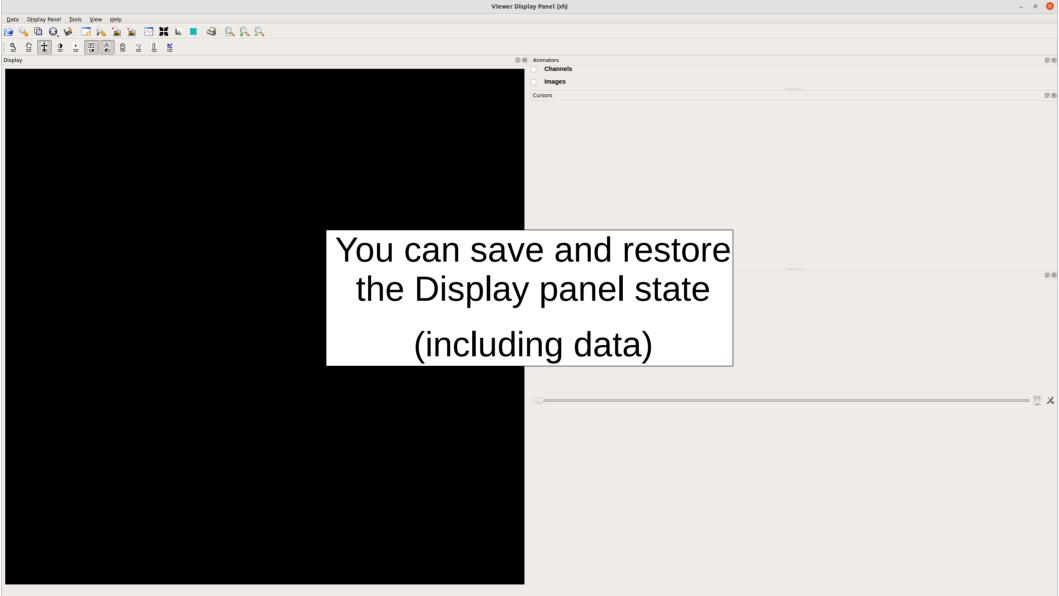










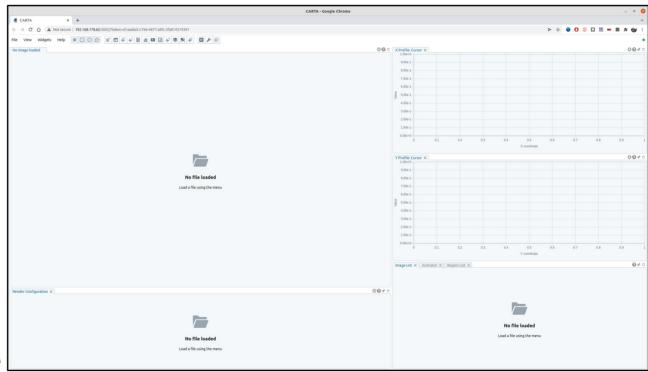


Viewer Demo

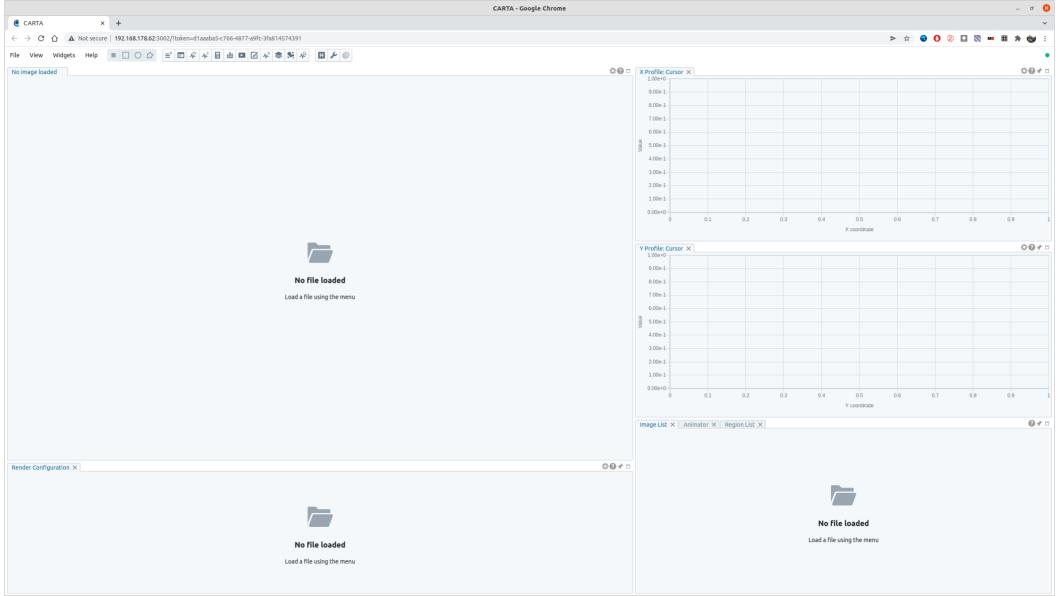
- Continuum image: raster & contour representation, regions, statistics, 2D Gaussian fitting
- Line image: spectrum, line fitting, line identification, moments, pv diagrams, saving panel state and figures

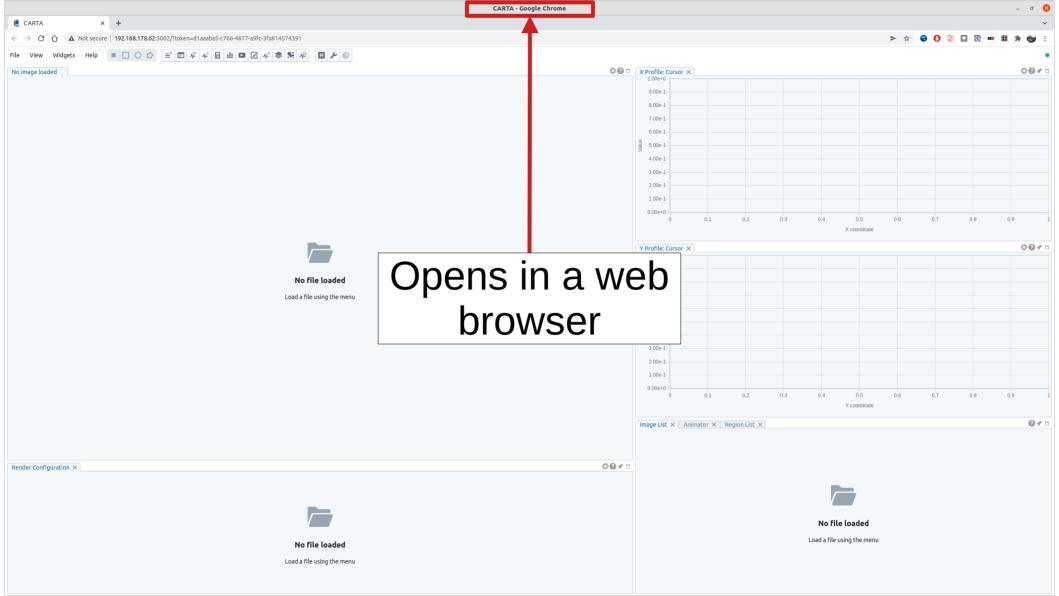
Starting Carta

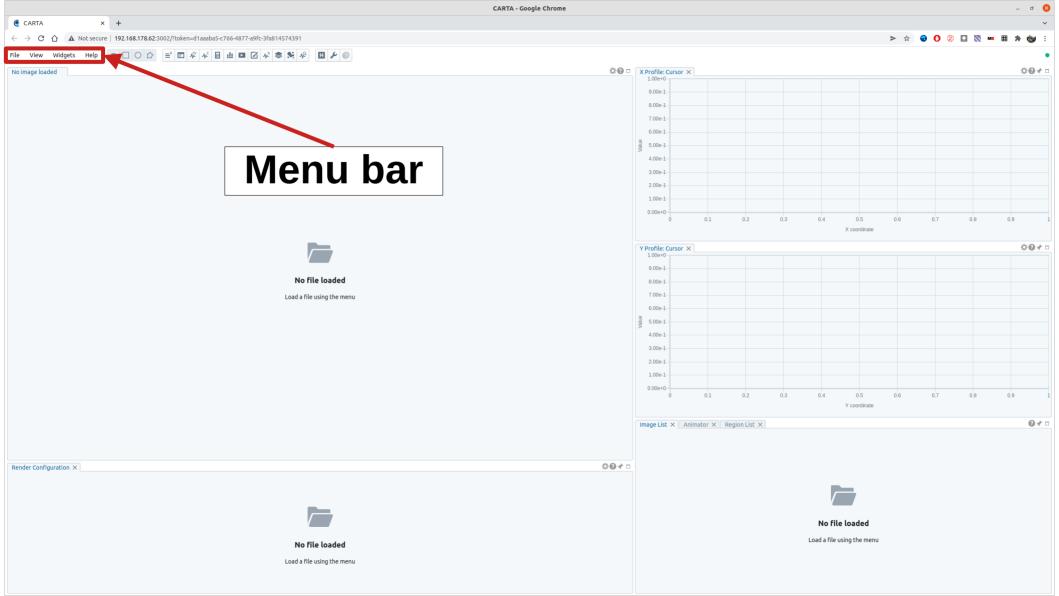
 carta in a terminal (local mode)

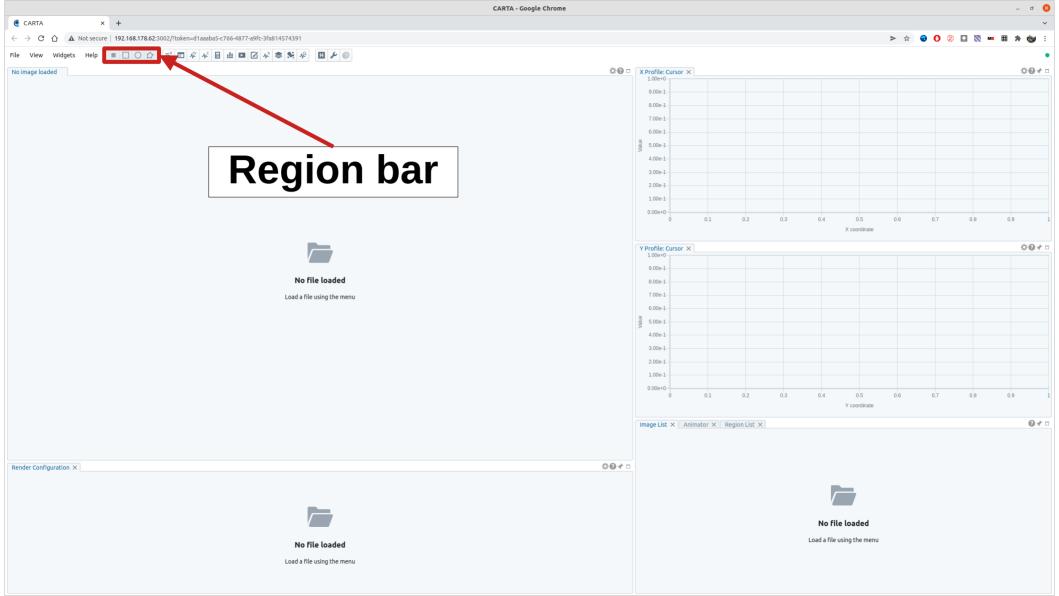


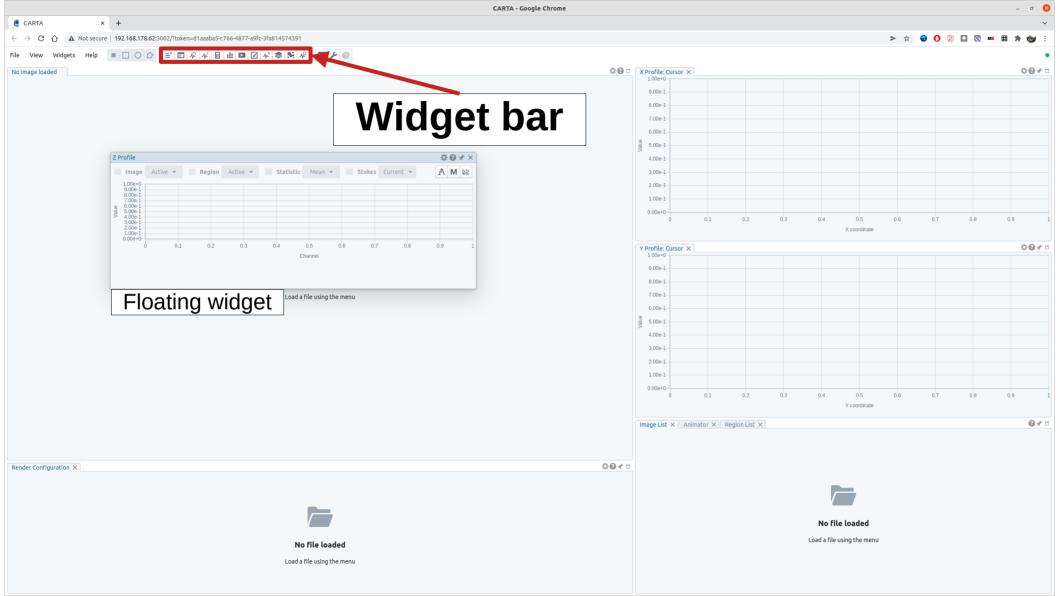
See CARTA User Manual here

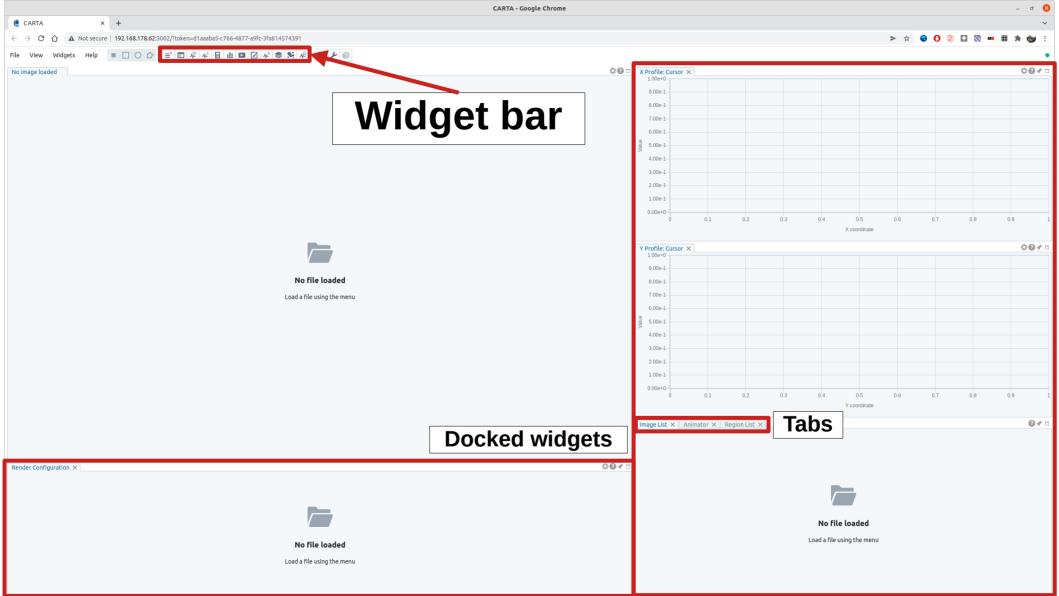


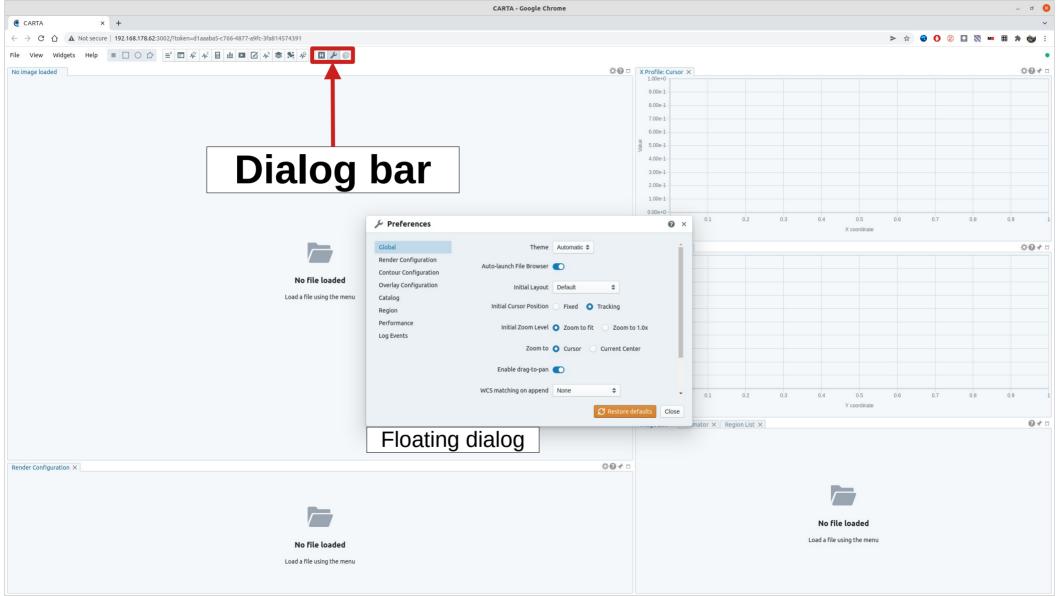


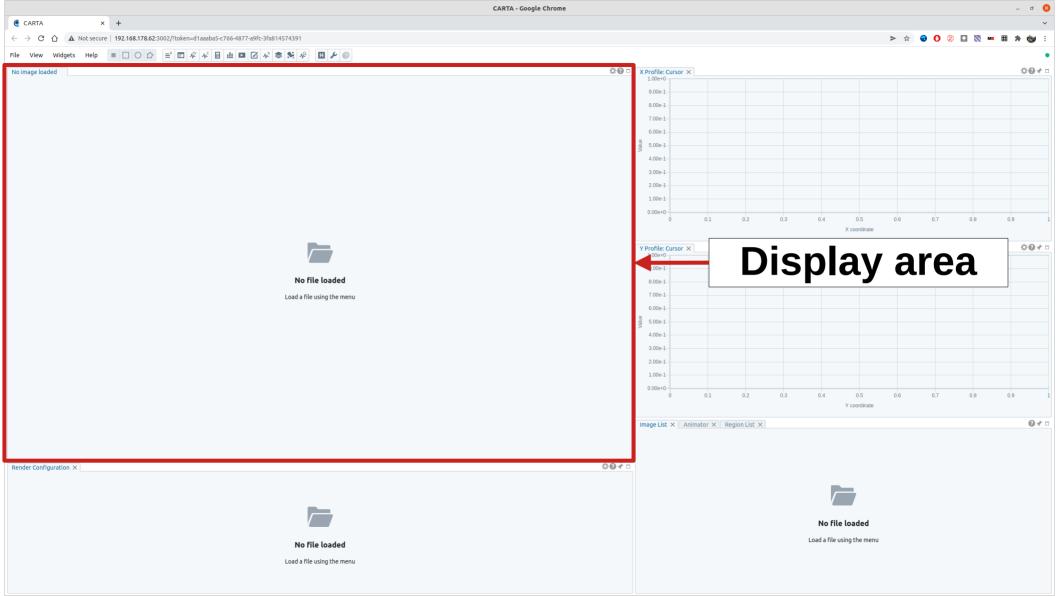


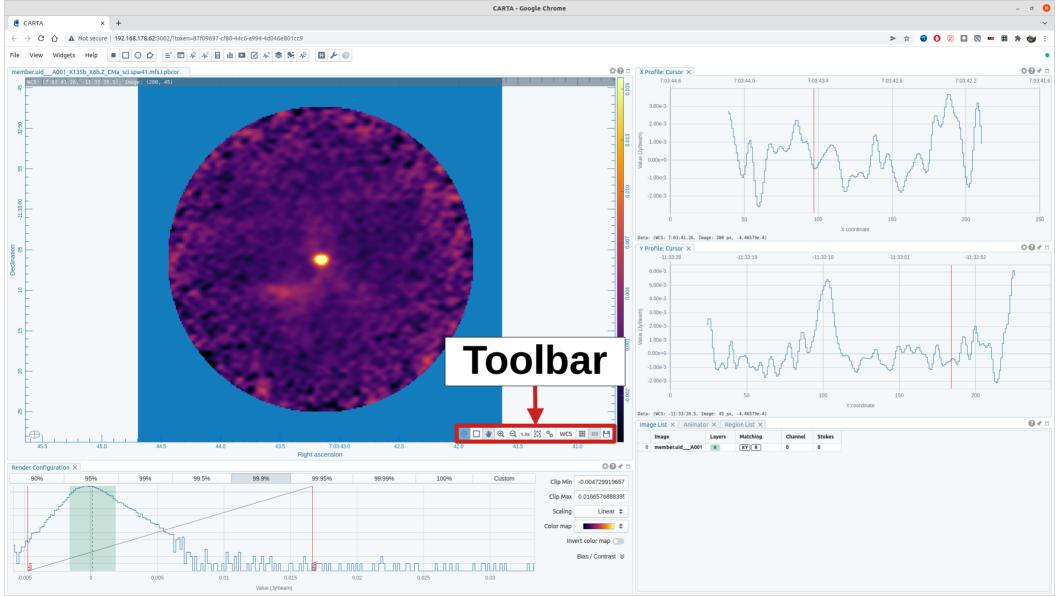


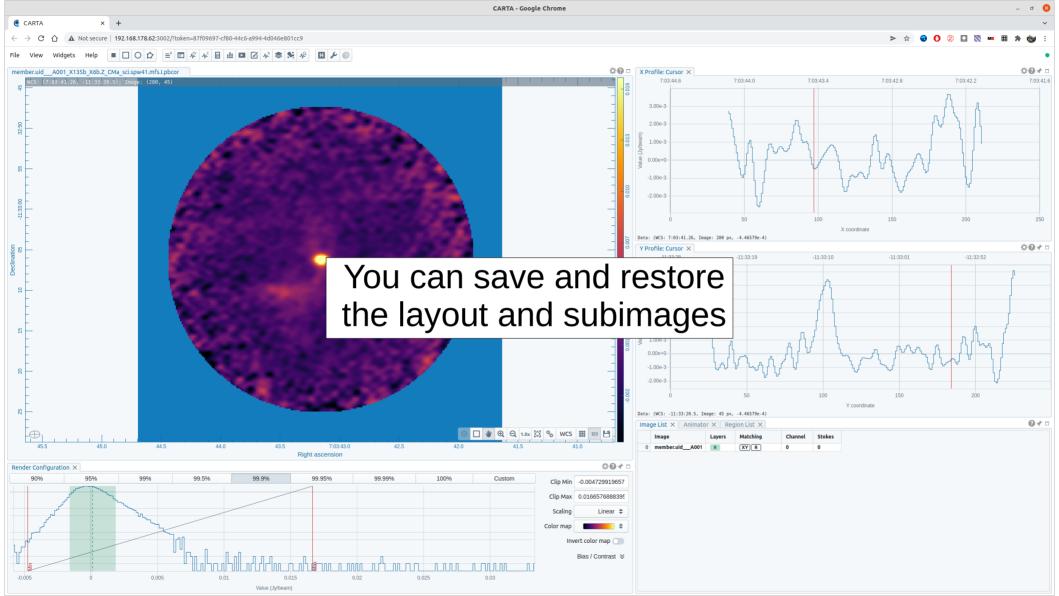












CARTA Demo

- Continuum image: raster & contour representation, regions, statistics, 2D Gaussian fitting (2D image fitting in v3.0)
- Line image: spectrum, line fitting, line identification, moments, pv diagrams, saving panel state and figures, subimages, and layout

(pv diagrams in v?, saving display panel status not in plan)