glue
multidimensional data exploration

🌐 **glueviz.org**   ⬛ **github.com/glue-viz**   ⧉ **glueviz.slack.com**

SI2-SSE: A Sustainable Future for the Glue Multi-Dimensional Linked Data Visualization

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The **glue** project was founded in 2012, with funding from **NASA**'s **James Webb Space Telescope** (JWST) project. NASA contracts continue to support development of JWST-related (Astronomy) functionality.
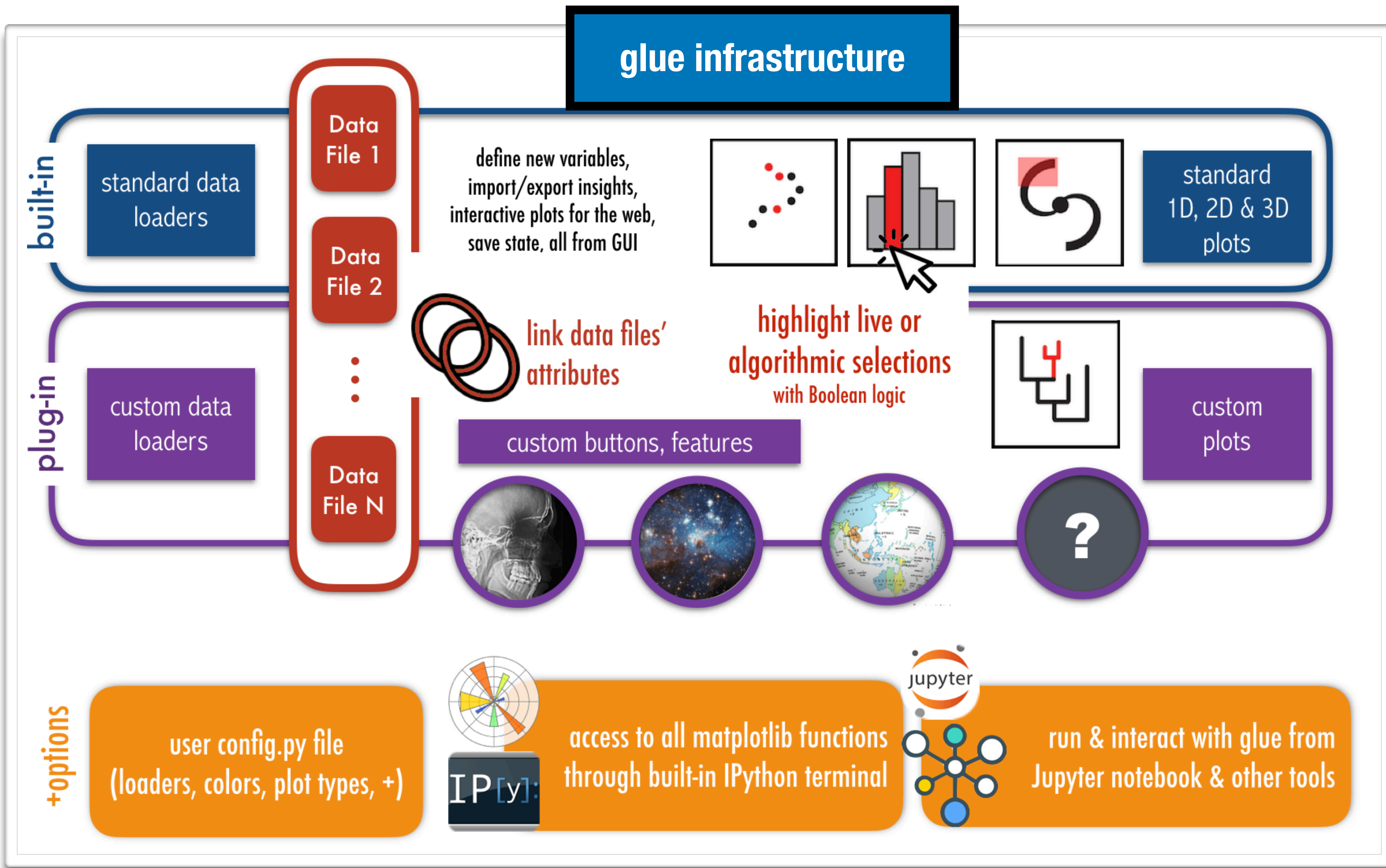
Beginning in 2017, glue has also been funded by the **National Science Foundation**, under *SI2-SSE: Collaborative Research: A Sustainable Future for the Glue Multi-Dimensional Linked Data Visualization Package (Award #: 1739657)*. The goal of the NSF SSE funding is to expand glue's functionality into domains beyond its traditional strengths in Astronomy and Medicine, by broadening both its user and developer communities.
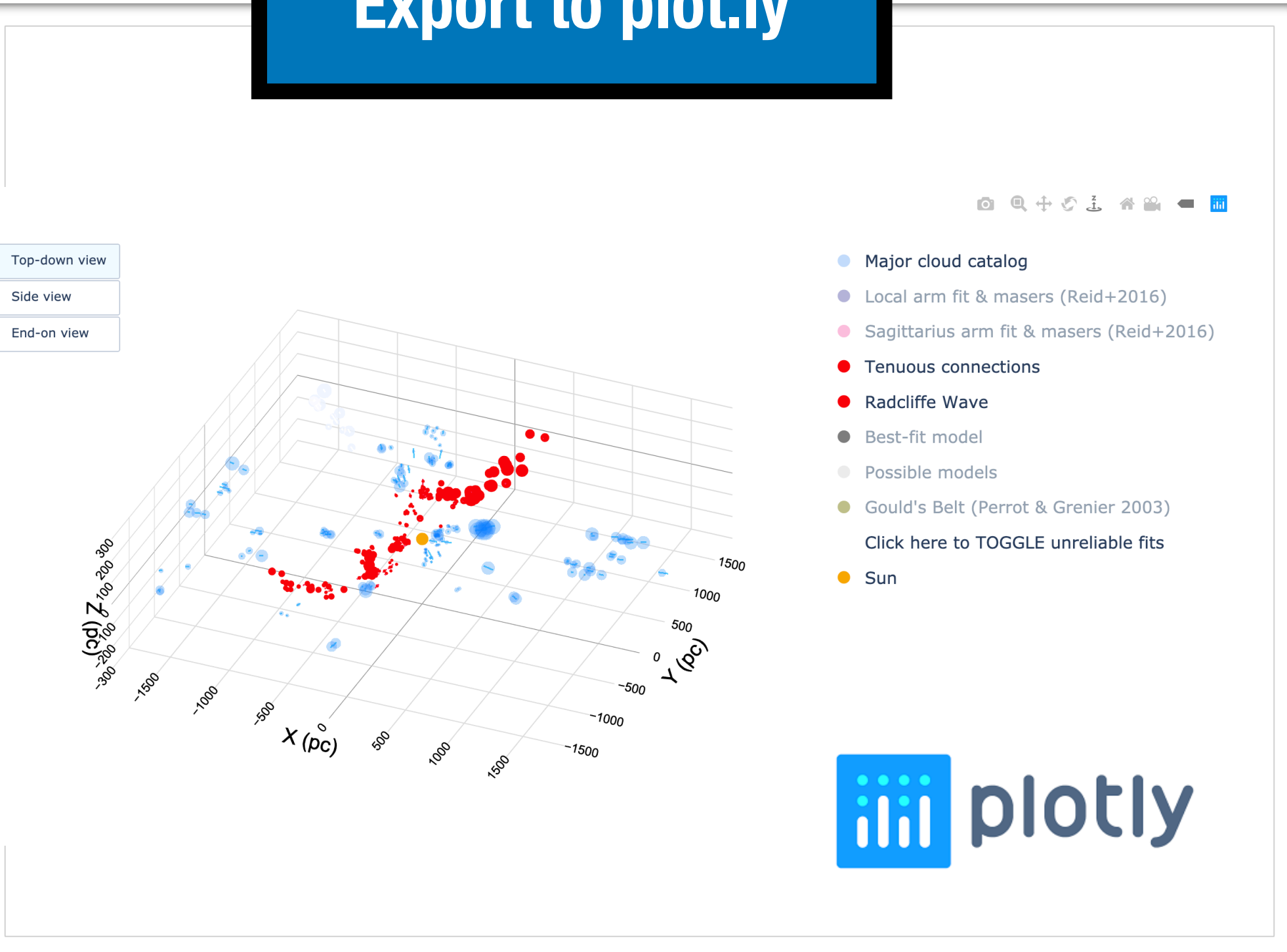**All glue code is Open Source, at github.com/glue-viz**

glue infrastructure

- standard data loaders
- custom data loaders
- define new variables, import/export insights, interactive plots for the web, save state, all from GUI
- link data files' attributes
- highlight live or algorithmic selections with Boolean logic
- standard 1D, 2D & 3D plots
- custom plots
- custom buttons, features

+options
- user config.py file (loaders, colors, plot types, +)
- access to all matplotlib functions through built-in IPython terminal
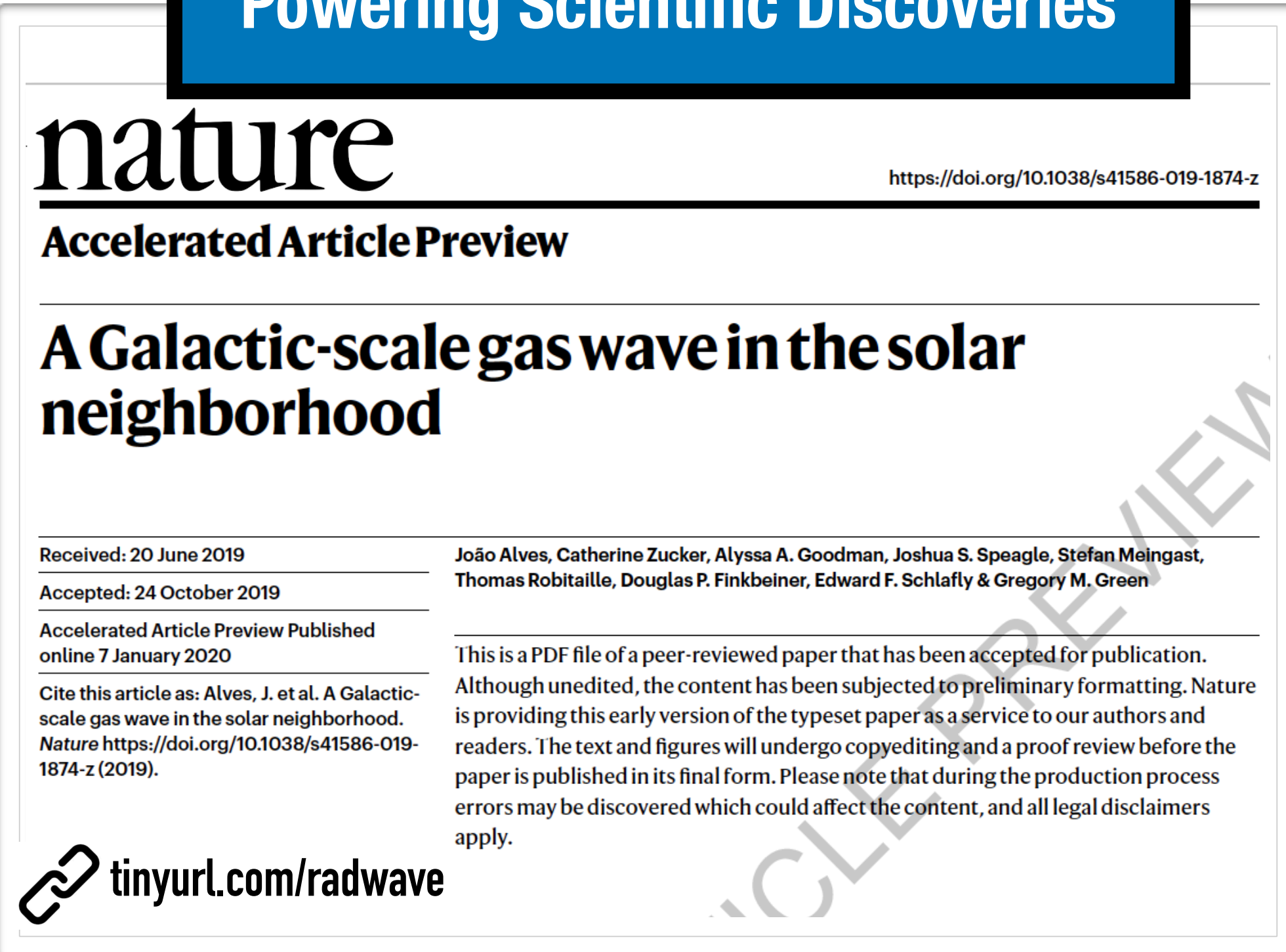- run & interact with glue from Jupyter notebook & other tools
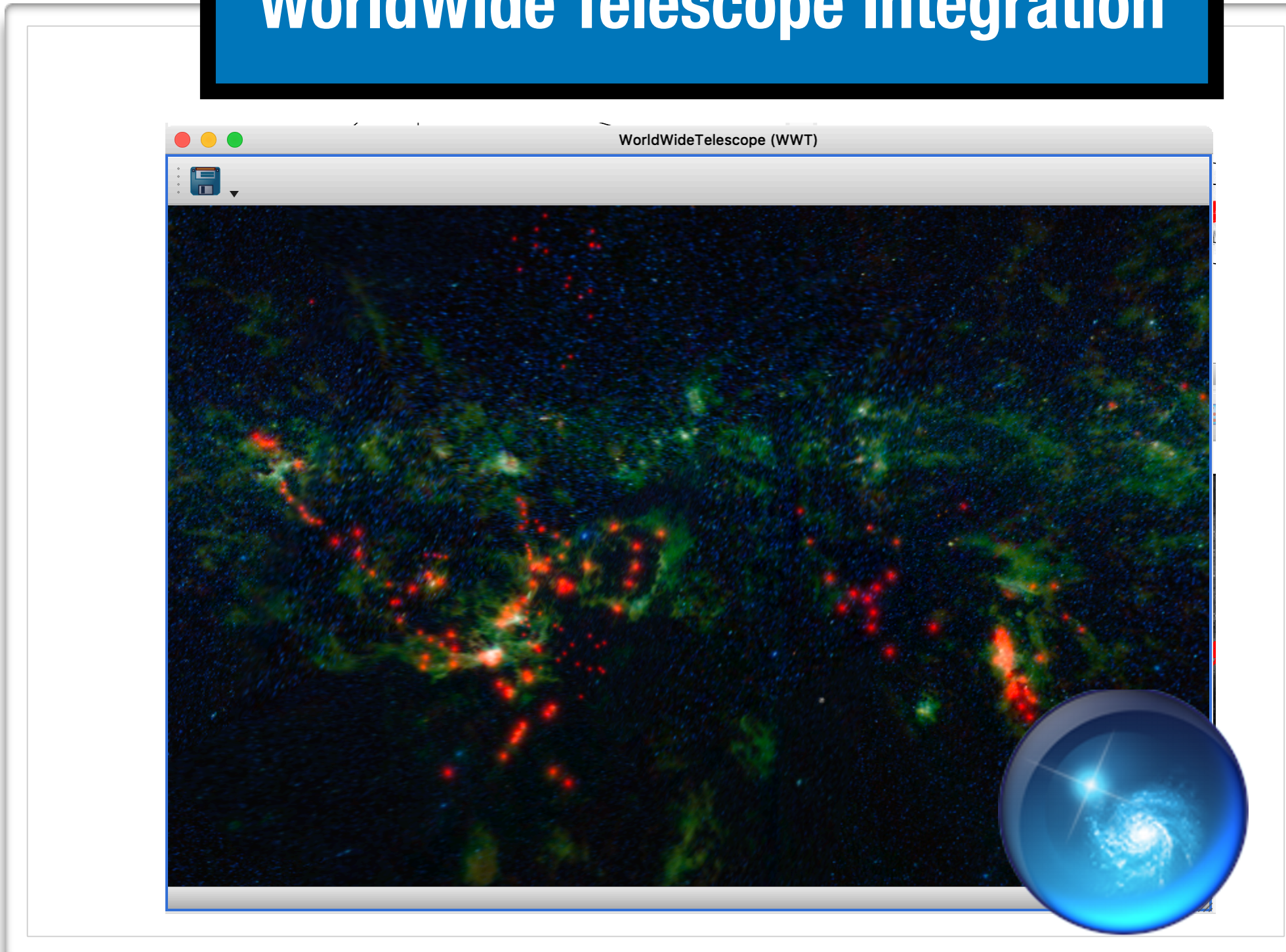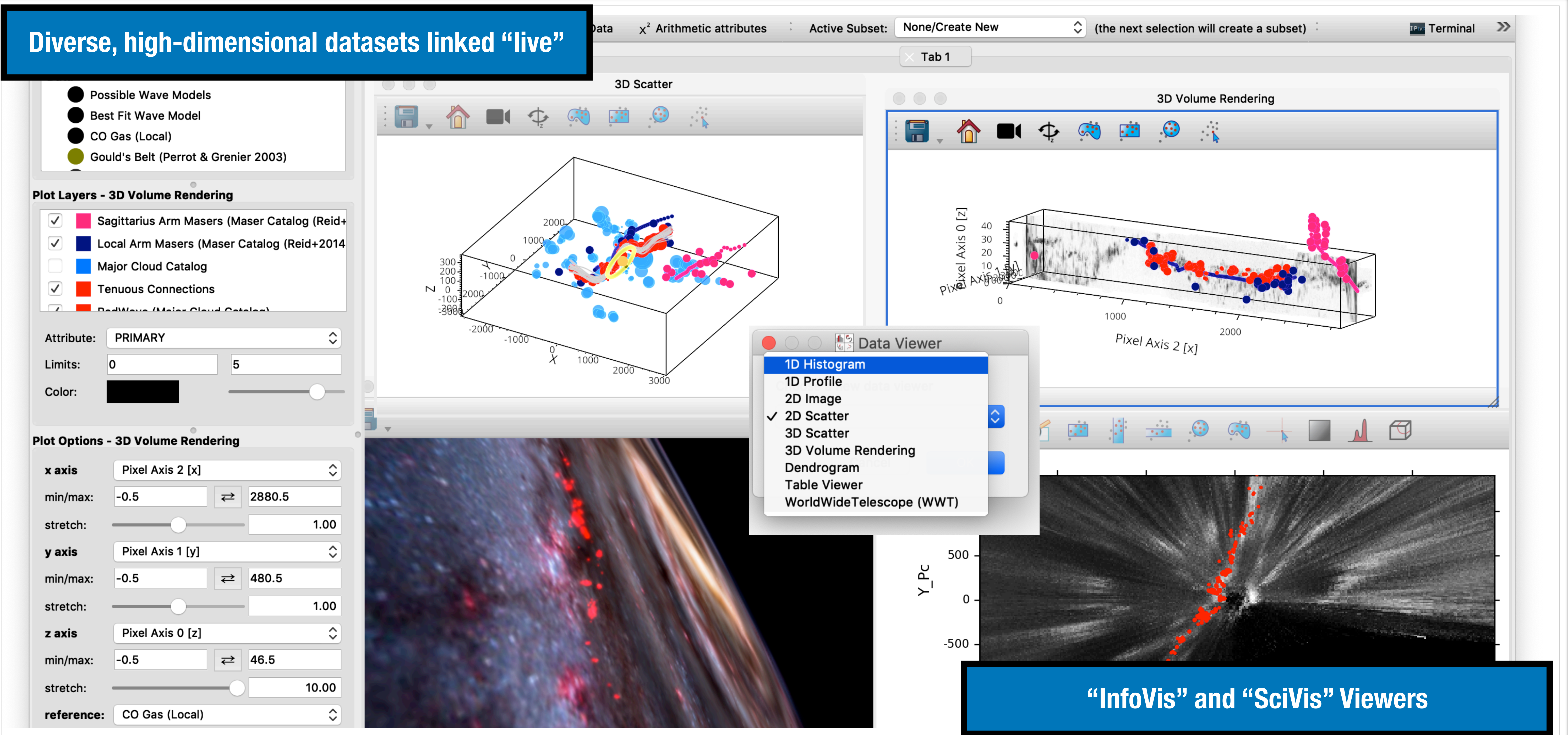

Export to plot.ly

Powering Scientific Discoveries

WorldWide Telescope Integration

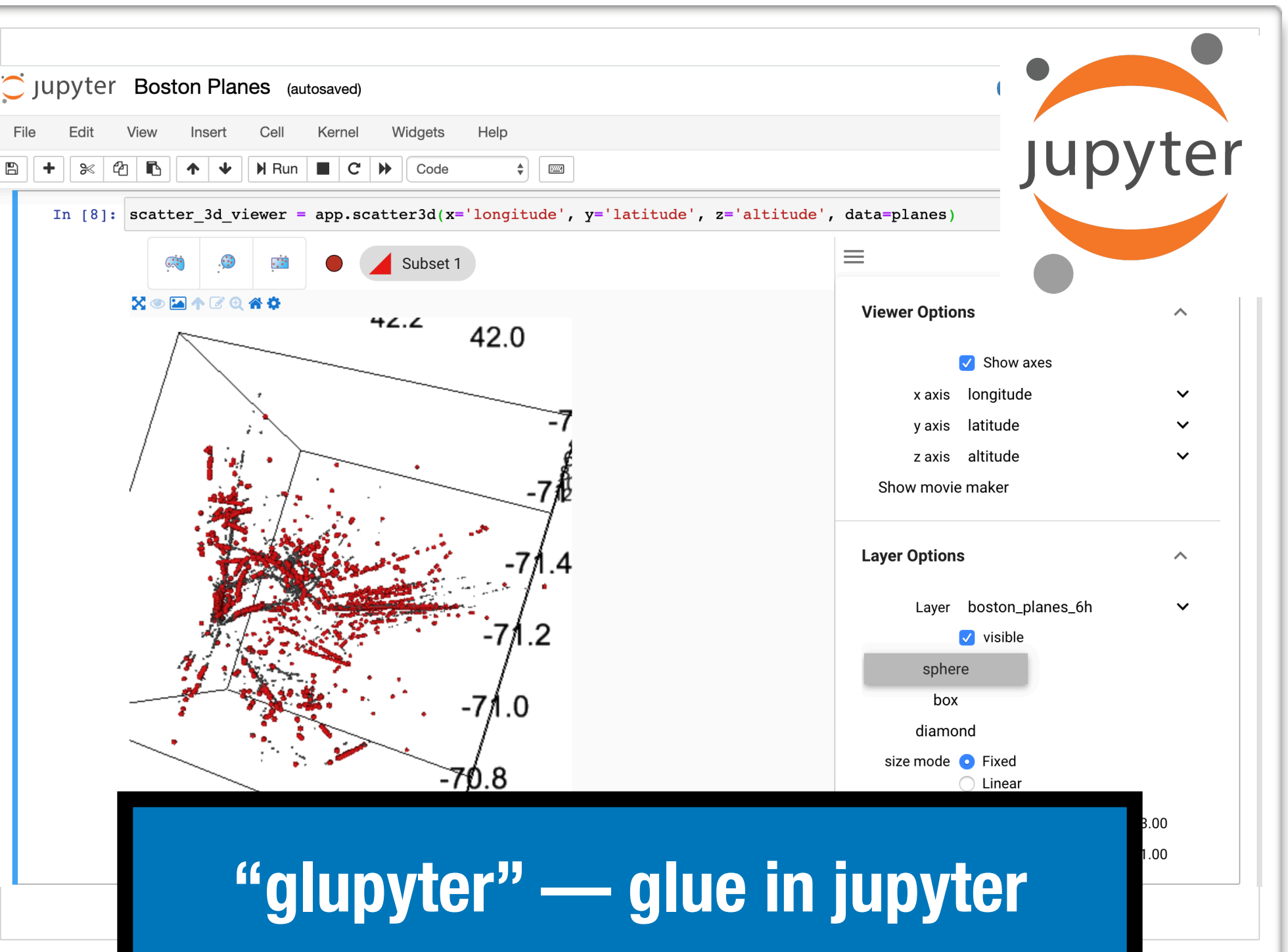

Diverse, high-dimensional datasets linked "live"

"InfoVis" and "SciVis" Viewers

GIS-Enabled

"glupyter" — glue in jupyter

Remote Data Access