

NSF CSSI PI Meeting Seattle, WA, Feb. 13–14, 2020

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

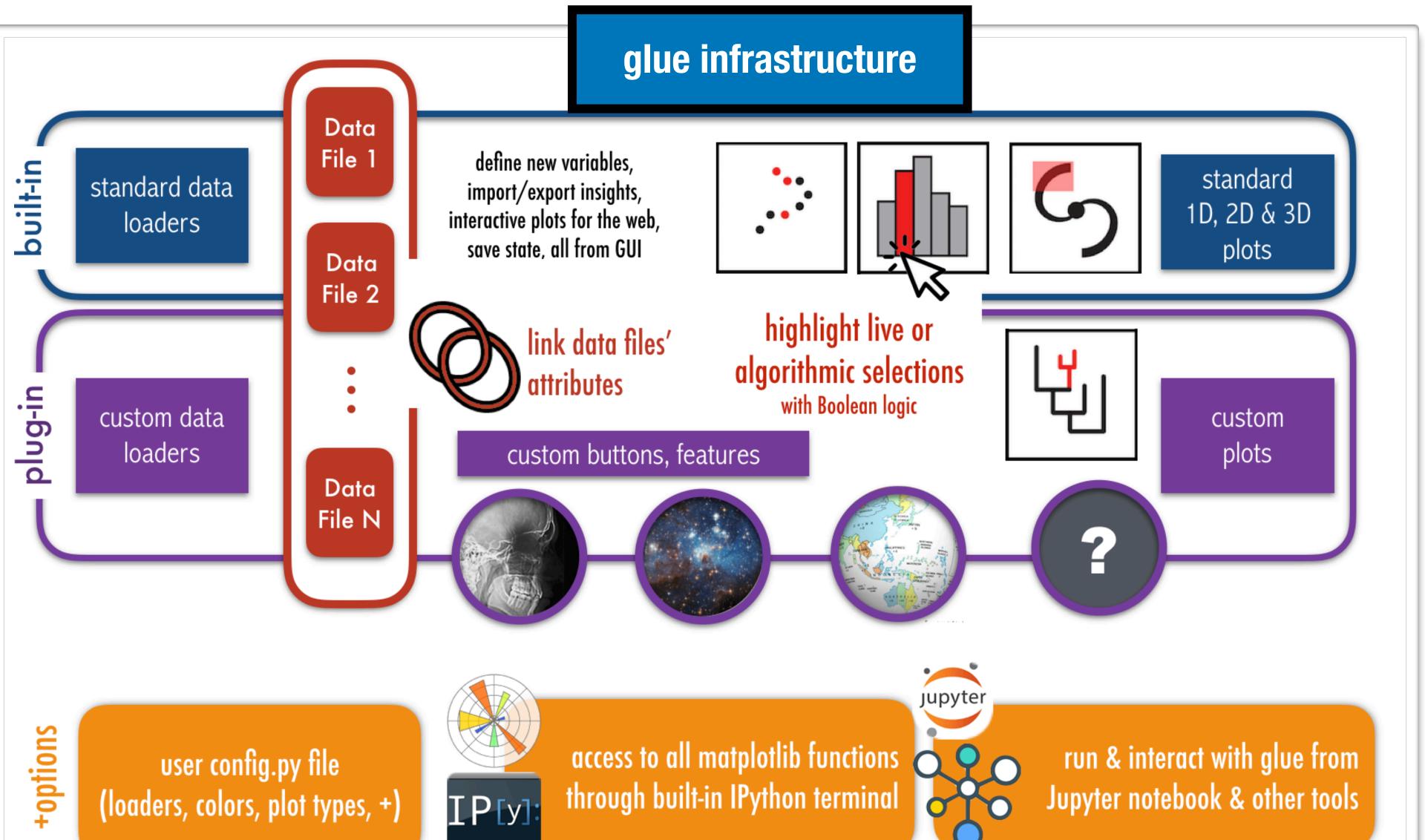
Alyssa **Goodman** (PI, Harvard) Michelle **Borkin** (PI, Northeastern) Thomas **Robitaille** (Lead Architect) Catherine **Zucker** (Senior Personnel)



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

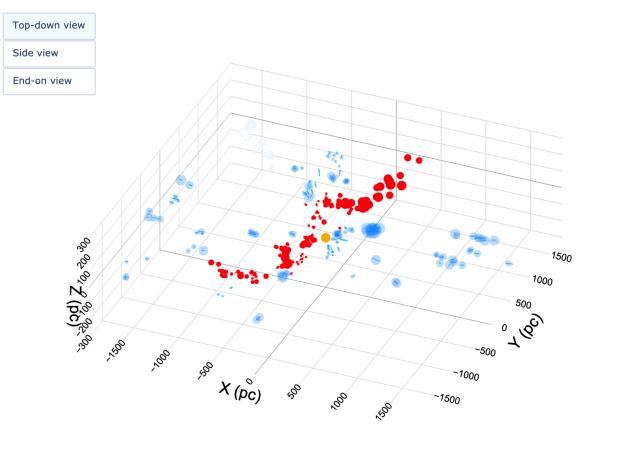


github.com/glue-viz

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

### **Export to plot.ly**





Major cloud catalog Local arm fit & masers (Reid+2016) Sagittarius arm fit & masers (Reid+2016) Tenuous connections Radcliffe Wave Best-fit model Possible models Gould's Belt (Perrot & Grenier 2003) Click here to TOGGLE unreliable fits Sun



#### **Powering Scientific Discoveries**

### nature

https://doi.org/10.1038/s41586-019-1874-z

**Accelerated Article Preview** 

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#### A Galactic-scale gas wave in the solar neighborhood

Received: 20 June 2019 Accepted: 24 October 2019 Accelerated Article Preview Published online 7 January 2020

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This is a PDF file of a peer-reviewed paper that has been accepted for publication. Although unedited, the content has been subjected to preliminary formatting. Nature

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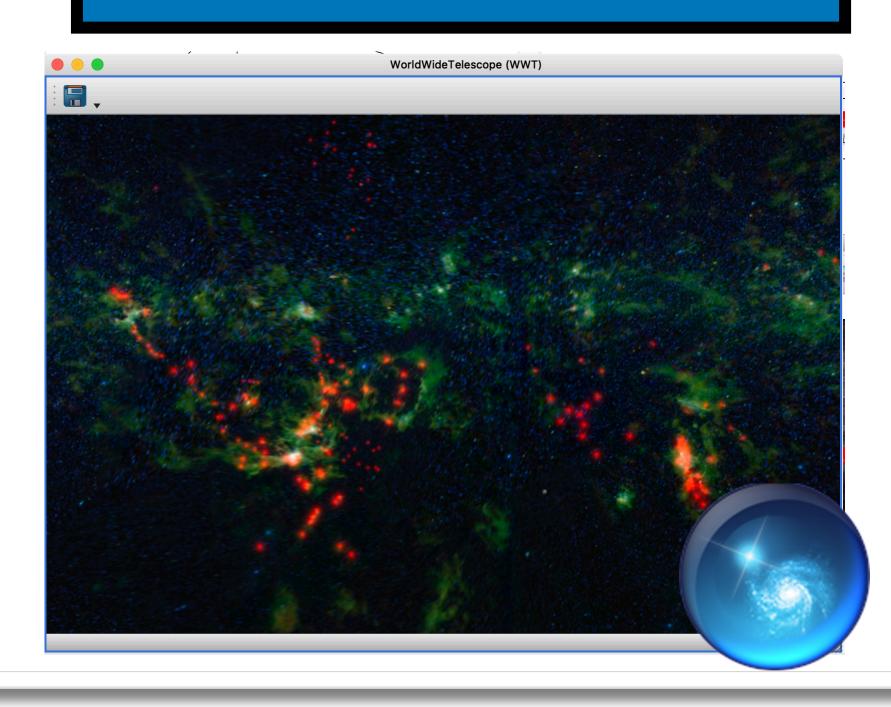
João Alves, Catherine Zucker, Alyssa A. Goodman, Joshua S. Speagle, Stefan Meingast,

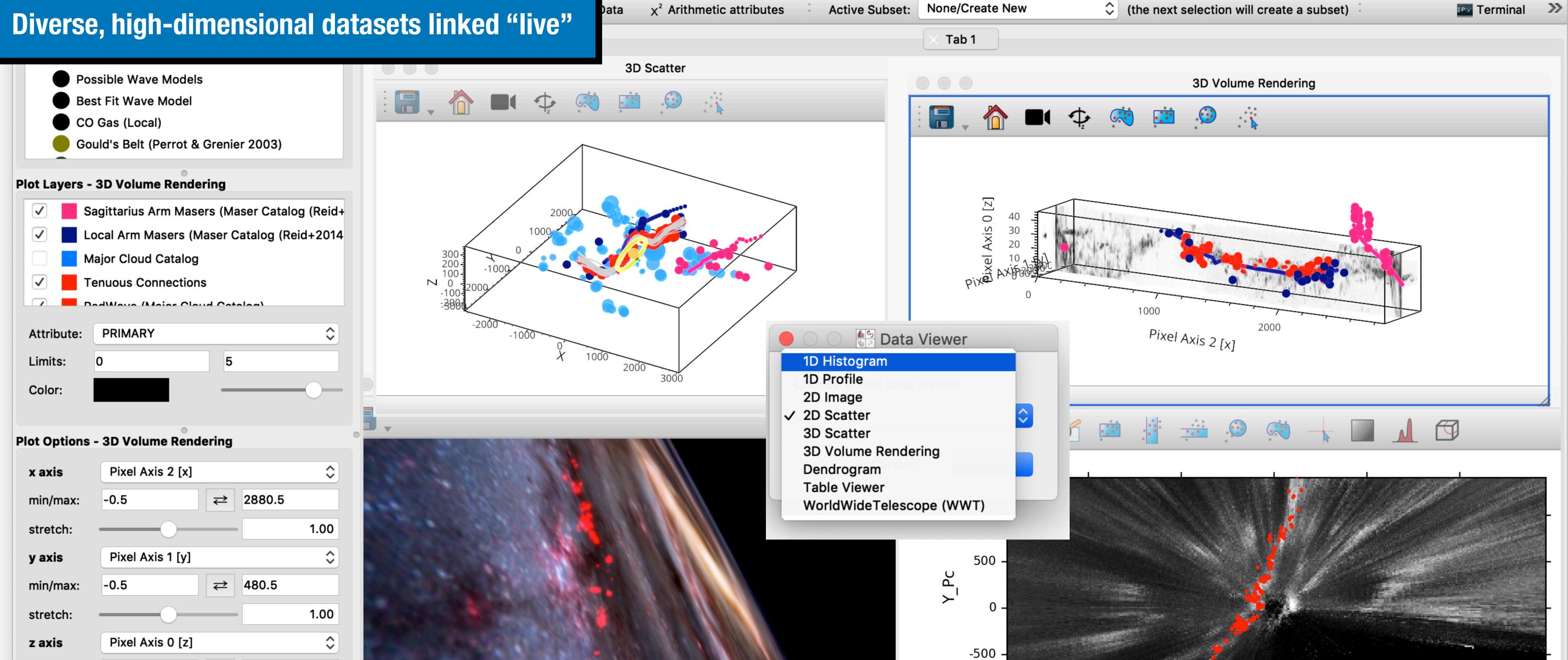
Thomas Robitaille, Douglas P. Finkbeiner, Edward F. Schlafly & Gregory M. Green

#### apply. tinyurl.com/radwave

# **WorldWide Telescope Integration**

glueviz.slack.com

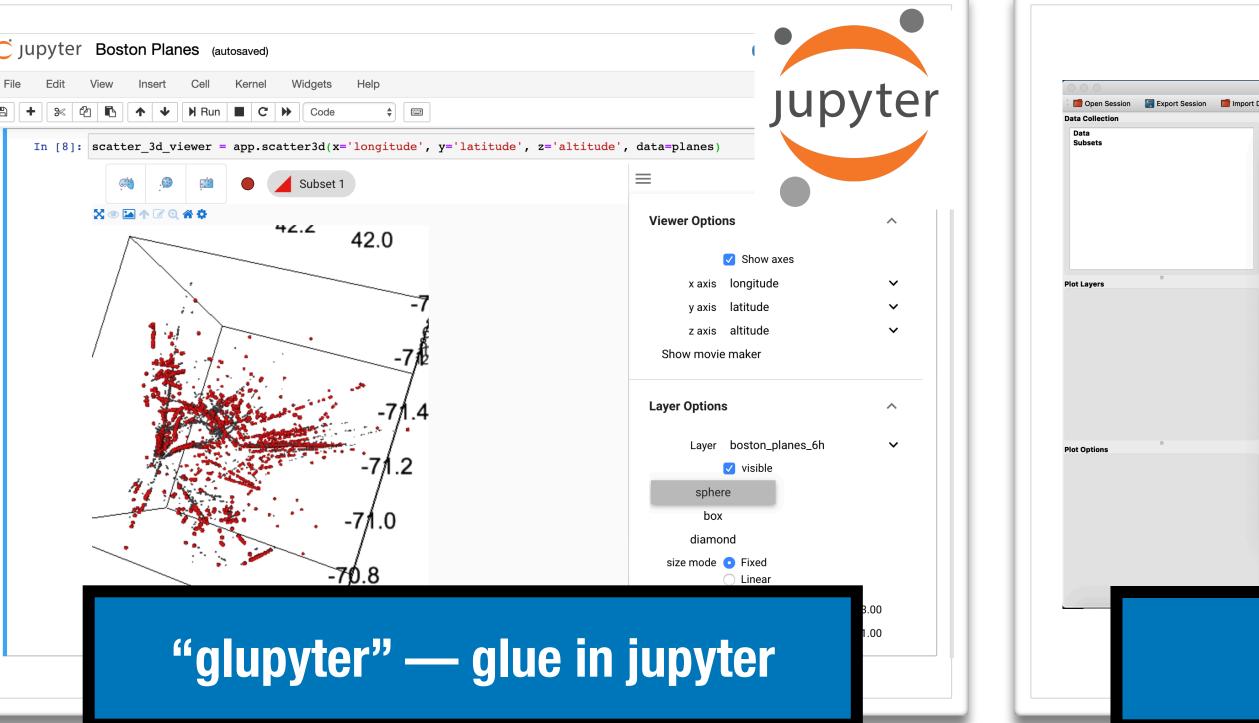




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#### "InfoVis" and "SciVis" Viewers





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