**What is Jdaviz?**

**Jdaviz** (pronounced J-D-A-viz) is a new Jupyter-based Python application for spectroscopic visualization and analysis. Built on the **glue** and **Voila** frameworks, Jdaviz is uniquely designed to work

- embedded in an interactive website, such as the MAST Portal
- in a Jupyter notebook
- as a standalone desktop application

all while providing the same user interface and interactive user experience. Utilizing **astropy** and astropy-affiliated packages, Jdaviz also includes a suite of spectroscopic analysis plugins that can be used either via the user interface, or programmatically in Python.

Jdaviz is made up a series of customizable viewers and panels. Users can arrange these viewers into set "configurations", tailored to their needs. There are a few pre-defined configurations for quick inspection of more common spectroscopic data products. See the table of **Jdaviz Configurations** for more details.

MAST has incorporated Jdaviz into its web framework. When searching for JWST data products in the MAST Portal, a new option appears for relevant search results allowing users to quickly inspect and analyze data on the web. See **Searching for Compatible Data** and **Viewing Spectra and Images** for more details on navigating the quicklook pages.

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**For Further Reading...**

- **Jdaviz Package Docs** (ReadTheDocs)
- MAST Portal Guide
- MAST JWST Archive Manual

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**Citations and Acknowledgements**

In publications, refer to this document as:


Please acknowledge the use of data obtained from MAST in publications.

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**User Support**

For MAST user support, contact the HelpDesk: archive@stsci.edu. See the Archive Support page for details and other resources.