

Searching for Compatible Data

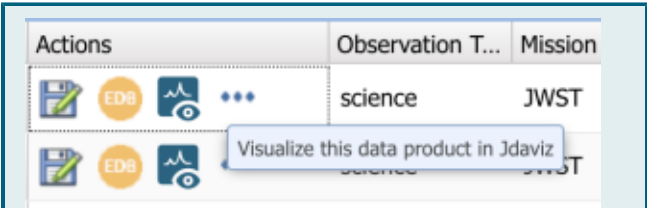
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Basic Search for Observations

After you search for JWST observations following the guide in [Basic](#)

[Data Search](#), the **Jda** icon  will appear next to relevant search results that you can view in Jdaviz (see **Figure 1**). This icon indicates that the row result contains data products that can be loaded into the Jdaviz web display.



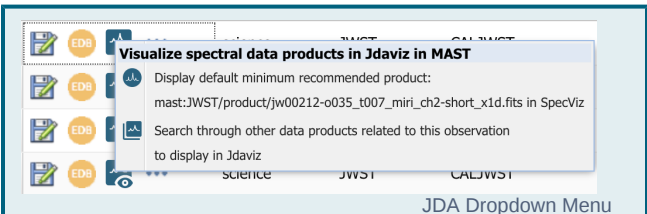
JDA Icon indicating that this data can be analyzed in Jdaviz

Figure 1 — The **Jda** icon indicating that the current observation (row result) contains spectroscopic science (level 3) data products that can be visualized in the Jdaviz web quicklook. If you don't see this icon, the data cannot be viewed in the web quicklook.

Clicking the **Visualize Spectra (Jda)** icon produces a drop-down menu with two available options, see **Figure 2**.

The available dropdown options are:

- **Display default Minimum Recommended Product (MRP)** - opens the default [Minimum Recommended Product](#) for the selected observation in the Jdaviz quicklook spectra page. See [Viewing Spectra and Images](#) for more.
- **Search through other data products related to this observation** - opens a new page containing all relevant data products associated with the selected Observation that can be loaded into Jdaviz. See [Finding Associated Data Products](#) for more.

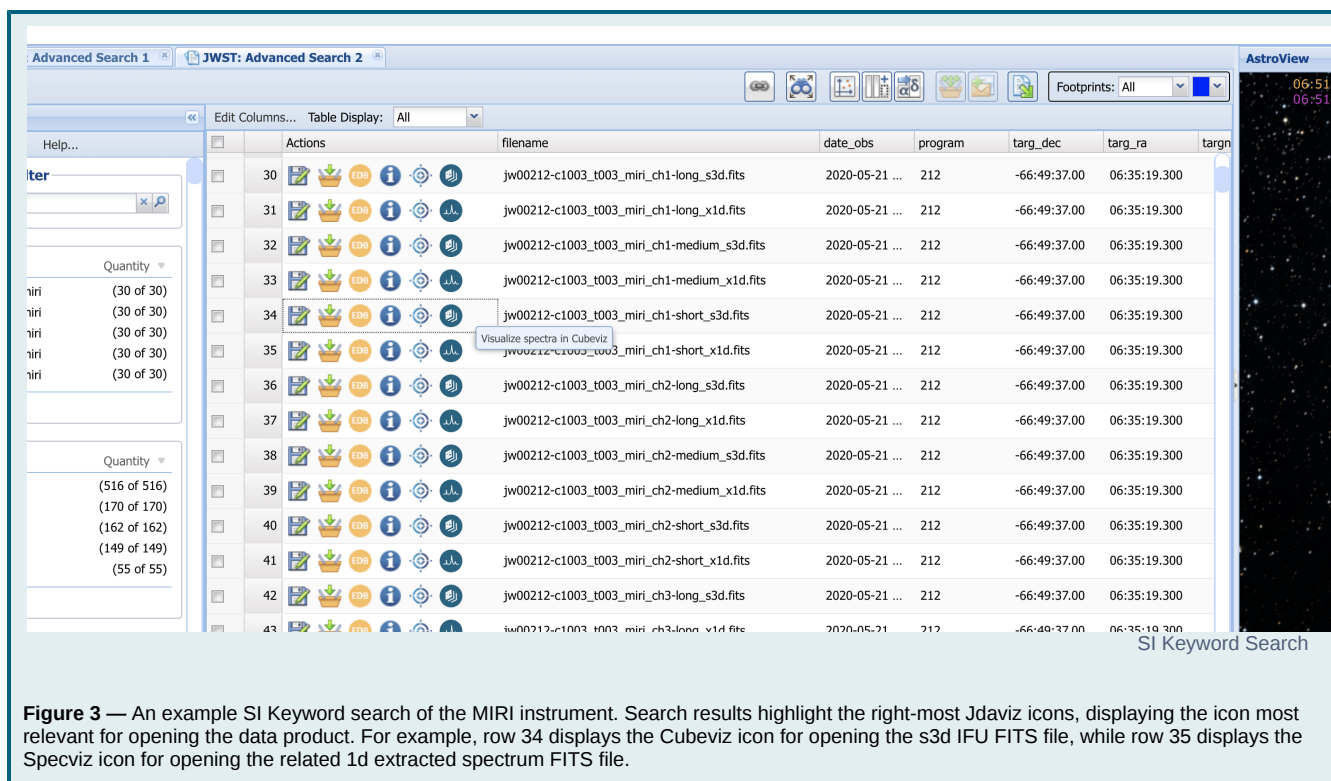


JDA Dropdown Menu

Figure 2 — The **Jda** dropdown menu, showing options to display the MRP or search for related data products.

Science Instrument (SI) Search for Observations

After performing a search for JWST observations following the guide in [Science Instrument \(SI\) Search](#), a new icon will appear for search results that can be viewed in Jdaviz (see **Figure 3**). Each row result represents a single JWST data product. Which icon is displayed in each row depends on the type of data product in that row. See [Icon Nomenclature](#) below for the meaning of each icon.



Icon Nomenclature

These icons represent the Jdaviz application and its different configurations. When performing a Science Instrument search – as shown above – a relevant icon will be displayed when possible, depending on the data type.

Icon	Name	Description	Data Products	Product Suffixes
 General Jdaviz icon	Jda	A general icon indicating you can visualize data in Jdaviz	N/A	N/A
 Cubeviz icon	Cubeviz	The icon for the Cubeviz configuration of Jdaviz	IFU spectral cubes	s3d
 Specviz icon	Specviz	The icon for the Specviz configuration of Jdaviz	1d extracted spectra	x1d, c1d
 Mosviz icon	Mosviz	The icon for the Mosviz configuration of Jdaviz	multi-object spectra	x1d, c1d, s2d, x1dints

 Specviz2d icon	Specviz 2d	The icon for the Specviz2d configuration of Jdaviz	2d and 1d associated extracted spectra	s2d, x1d
 Imviz icon	Imviz	The icon for the Imviz configuration of Jdaviz	Image data	i2

Loading Known Data by URI

Rather than performing a search, if you already know the URI (for MAST products, the "dataURL") of the data product, you can visit the page directly.

The direct URL for the Jdaviz quicklook page is <https://mast.stsci.edu/viz/ui/>. It requires one of two query arguments to successfully load a spectrum, either the **uri** or **filename** query argument. Inputting this into the search bar will navigate you to the appropriate page. **Figure 4** shows an example of a spectrum loaded into the specviz module.

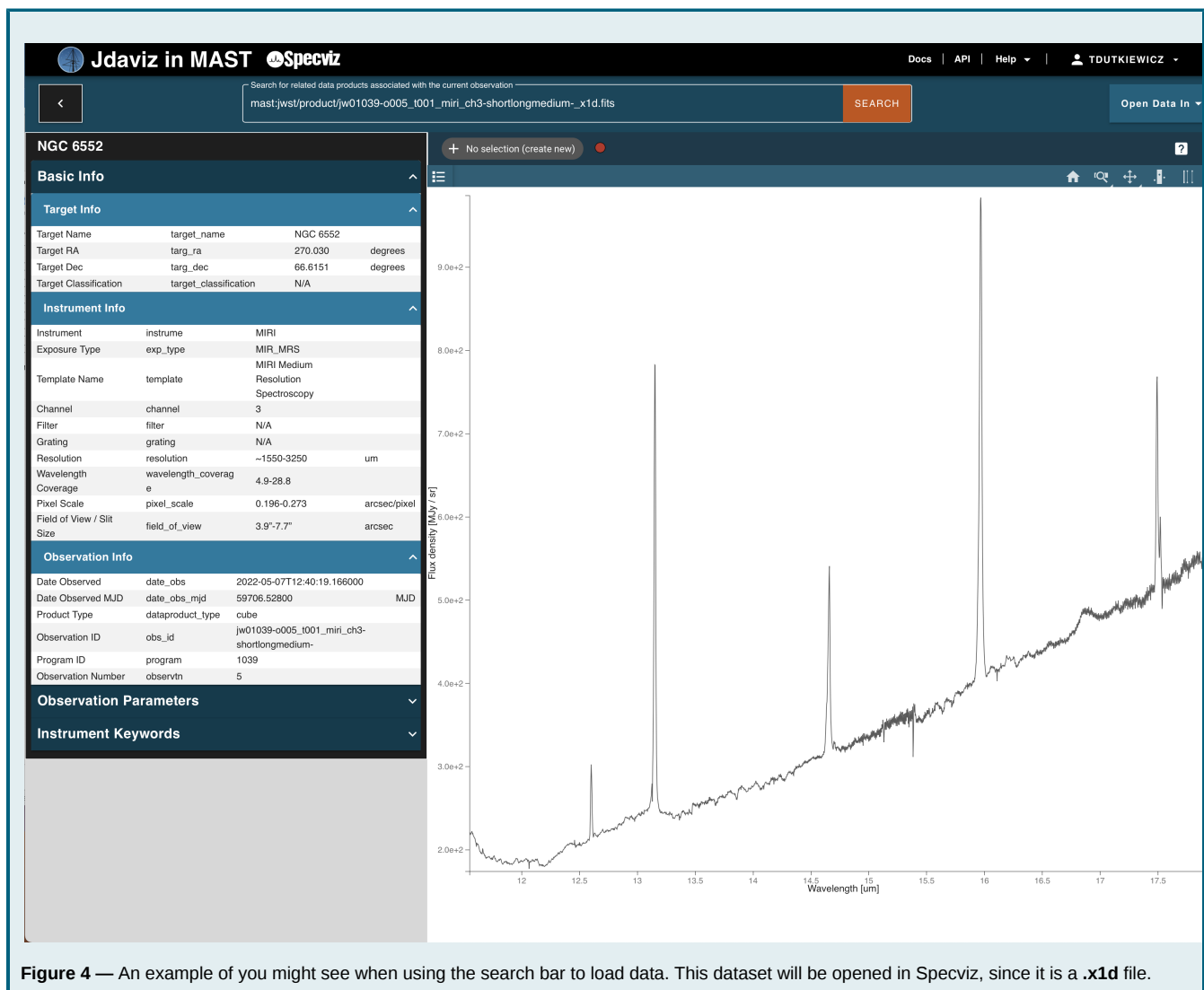


Figure 4 — An example of you might see when using the search bar to load data. This dataset will be opened in Specviz, since it is a .x1d file.

Alternatively, you can navigate to your page directly using the syntax "[https://mast.stsci.edu/viz/jwst/spectra?uri=\[MAST_DATA_URI\]](https://mast.stsci.edu/viz/jwst/spectra?uri=[MAST_DATA_URI])", or similarly using the syntax "[https://mast.stsci.edu/viz/jwst/spectra?filename=\[PRODUCT_FILENAME\]](https://mast.stsci.edu/viz/jwst/spectra?filename=[PRODUCT_FILENAME])". For example, you might navigate directly to https://mast.stsci.edu/viz/ui/#/spectra?filename=jw01409-o133_t011_nirspec_prism-clear_x1d.fits.

For Further Reading...

- [Portal Guide](#)
- [Portal Searching](#)
- [Browsing Portal Search Results](#)