

Finding Associated Data Products

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Viewing Related Data Products

There may be more than one available data product associated with an observation. This page will give a quick guide to searching for related "science-ready" (fully calibrated and processed) data products. For information about associated, uncalibrated, auxiliary data, see the [Supplemental Products](#) page.

Navigation from the Portal

Clicking on the "Search through other data products" action from the **Visualize Spectra (Jdaviz)** dropdown (**Figure 1**) will bring you to a new page displaying all other level 3 spectroscopic data products associated with the selected Portal observation. An example of what this page will look like can be found in **Figure 2**.

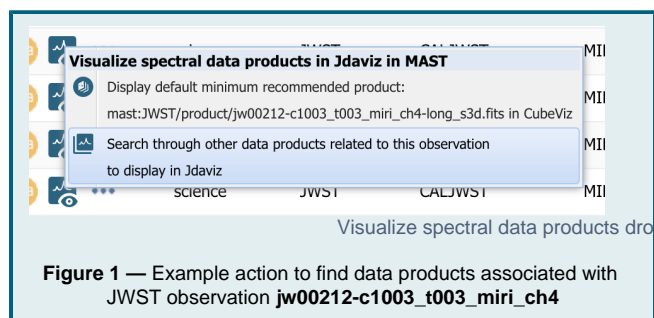


Figure 1 — Example action to find data products associated with JWST observation **jw00212-c1003_t003_miri_ch4**

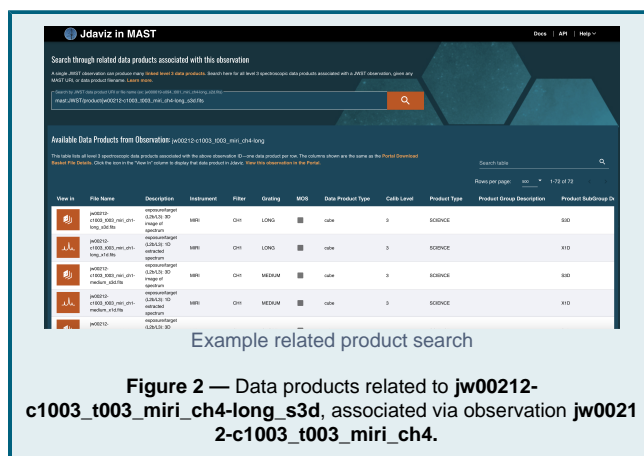


Figure 2 — Data products related to **jw00212-c1003_t003_miri_ch4-long_s3d**, associated with observation **jw00212-c1003_t003_miri_ch4**.

Navigation By Direct URL

You can navigate to this page manually by going to <https://mast.stsci.edu/viz/jwst/>, where you'll see **Figure 3**. If you already know the MAST data URI of the product you wish to search for, you can also navigate there directly using the syntax "https://mast.stsci.edu/viz/jwst/?uri=jw01039-o005_t001_miri_ch3-shortlongmedium-

Displayed on the page is a Search bar where you can input a MAST data URI or Product Filename to search on. For example, inputting the URI **mast:JWST/product/jw00212-c1003_t003_miri_ch4-long_s3d.fits** or product filename **jw00212-c1003_t003_miri_ch4-long_s3d.fits** will perform a search and return the results in **Figure 2**.

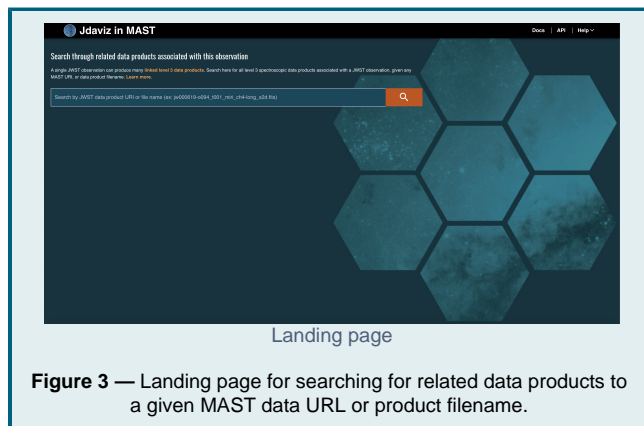
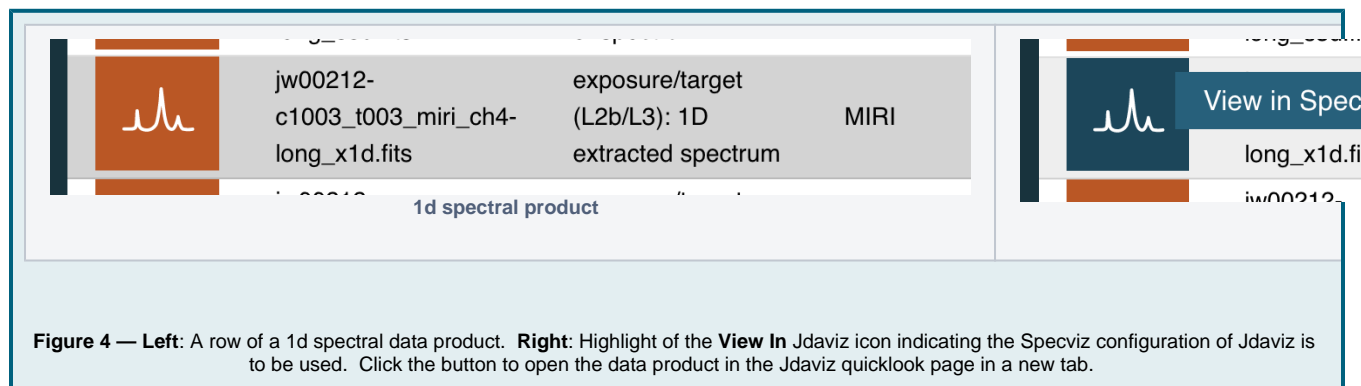


Figure 3 — Landing page for searching for related data products to a given MAST data URL or product filename.

The Data Product Table

The table displayed in **Figure 2** shows all data products associated with the observation for the URI or product you searched on. Each row contains some basic metadata information about the data product, such as **Description**, **Filter**, **Grating**, **Calibration Level**, etc. The information shown is a subset of the information displayed in the [Portal Download Basket File Details](#). The table also contains a **View In** column, containing a button icon indicating which Jdaviz helper configuration is used to load the data product in a given row. See [Icon Nomenclature](#) for their meanings. **Figure 4** shows an example of a Specviz data product. Clicking any of the icons displayed in the **View In** column will lead you to the Jdaviz quick look page. See [Viewing Spectra and Images](#) for more.



Viewing Multi-Object Spectra (MOS)

Some JWST observations of multi-object spectra produced by the NIRSPEC instrument have associated 2d and 1d spectral data products. You can view these products together using Jdaviz's **Specviz2d** configuration. **Figure 5** shows an example search for related data products to NIRSPEC observation **jw00643-c1007_s00021_nirspec_f170lp-g235m**. The **MOS** table column indicates via a checkmark whether the product is a NIRSPEC Multi-Object Spectrum.

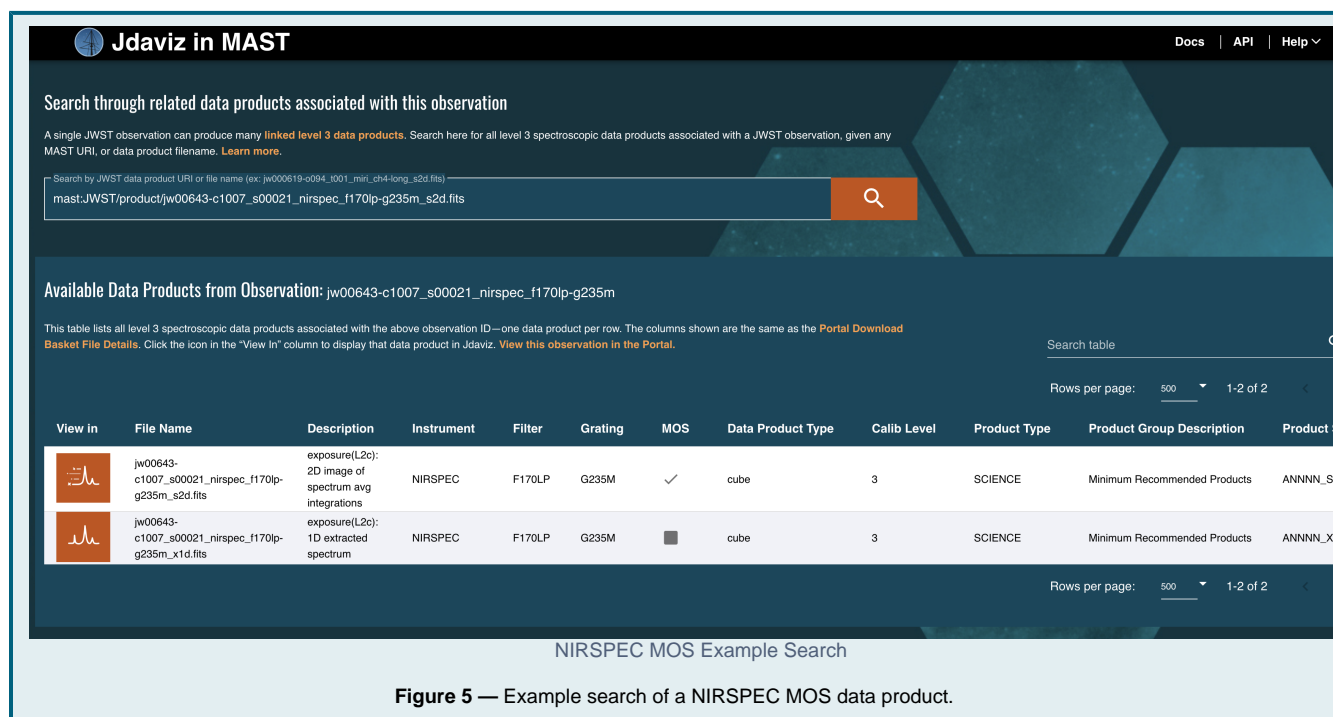
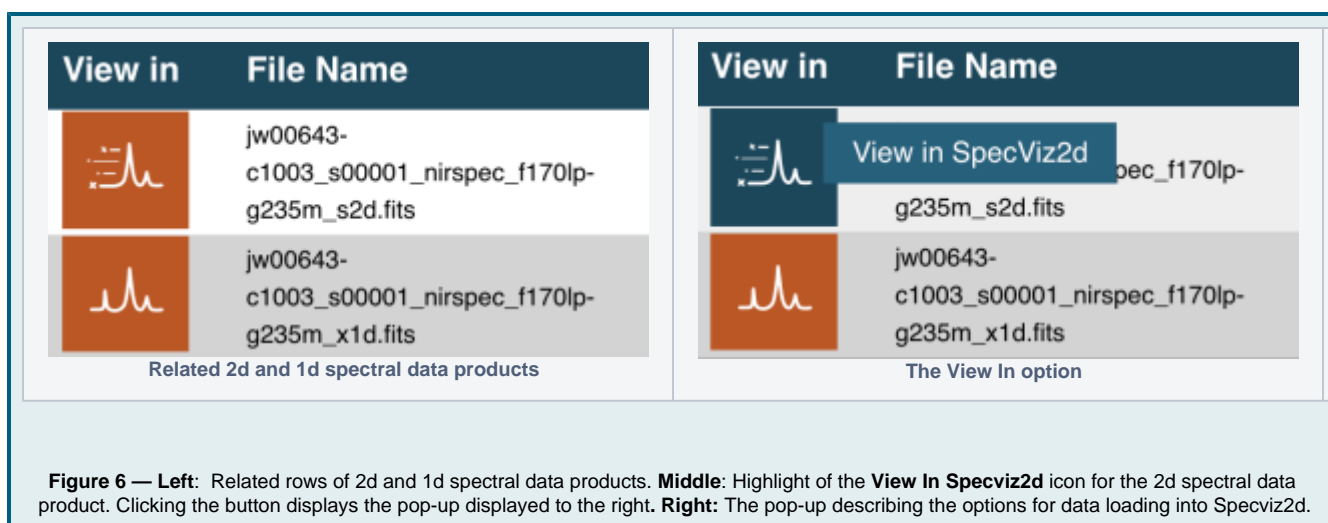


Figure 6 Left shows a zoom-in of the related s2d and x1d spectral data products in the first two rows, with their respective Specviz2d and Specviz icons. Clicking the **Specviz2d** button (**middle**) brings up a pop-window (**right**) displaying two user options for loading the data:

- Option 1: **View only this file** - loads only the 2d spectral data product into Specviz2d. A simplified 1d spectral extraction is performed and loaded into the Specviz2d 1d spectrum viewer.
- Option 2: **View this file with its paired x1d file** - loads both the 2d and 1d spectral data products into Specviz2d.

In the example shown in **Figure 6**, clicking **View only this File** loads the data product from the first row, while clicking **View this file with its paired x1d file** loads both data products. Clicking either option will lead you to the Jdaviz quick look page. See [Viewing Spectra and Images](#) for more details.



For Further Reading...

- [NIRSpec MOS and NIRSpec Fixed Slit \(JDox\)](#)
- [Minimum Recommended Products](#)