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 "scienceready" (fully calibrated and processed) data products. For information about associated, uncalibrated, auxiliary data, see the Supplemental Products page.

Navigation from the Portal

Clicking the "Search through other data products" action from the **Visualize Spectra (Jda)** 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**.

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~ 🗠	Search through other data	products related t	this observation	MII
~	to display in Jdaviz science	ISAAF	CALJWST	MII
		Visua	alize spectral data pro	duct



Figure 2 — Data products related to jw00212c1003_t003_miri_ch4-long_s3d, associated via observation jw0021 2-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= [MAST_DATA_URI]", e.g. https://mast.stsci.edu/viz/jwst/?uri=jw01039-0005_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, entering 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** sho ws 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 V iewing 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_f1701p-g235m. The **MOS** table column indicates via a checkmark whether the product is a NIRSPEC Multi-Object Spectrum.

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Available D	ata Products from Observa	t ion: jw00643-c1	007_s00021_nii	rspec_f170lp	p-g235m						
This table lists a Basket File De	This table lists all level 3 spectroscopic data products associated with the above observation ID—one data product per row. The columns shown are the same as the Portal Download Basket File Details. Click the icon in the "Vew In" column to display that data product In Jdaviz. View this observation in the Portal.								arch table	Q	
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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