

Linkages in the Portal

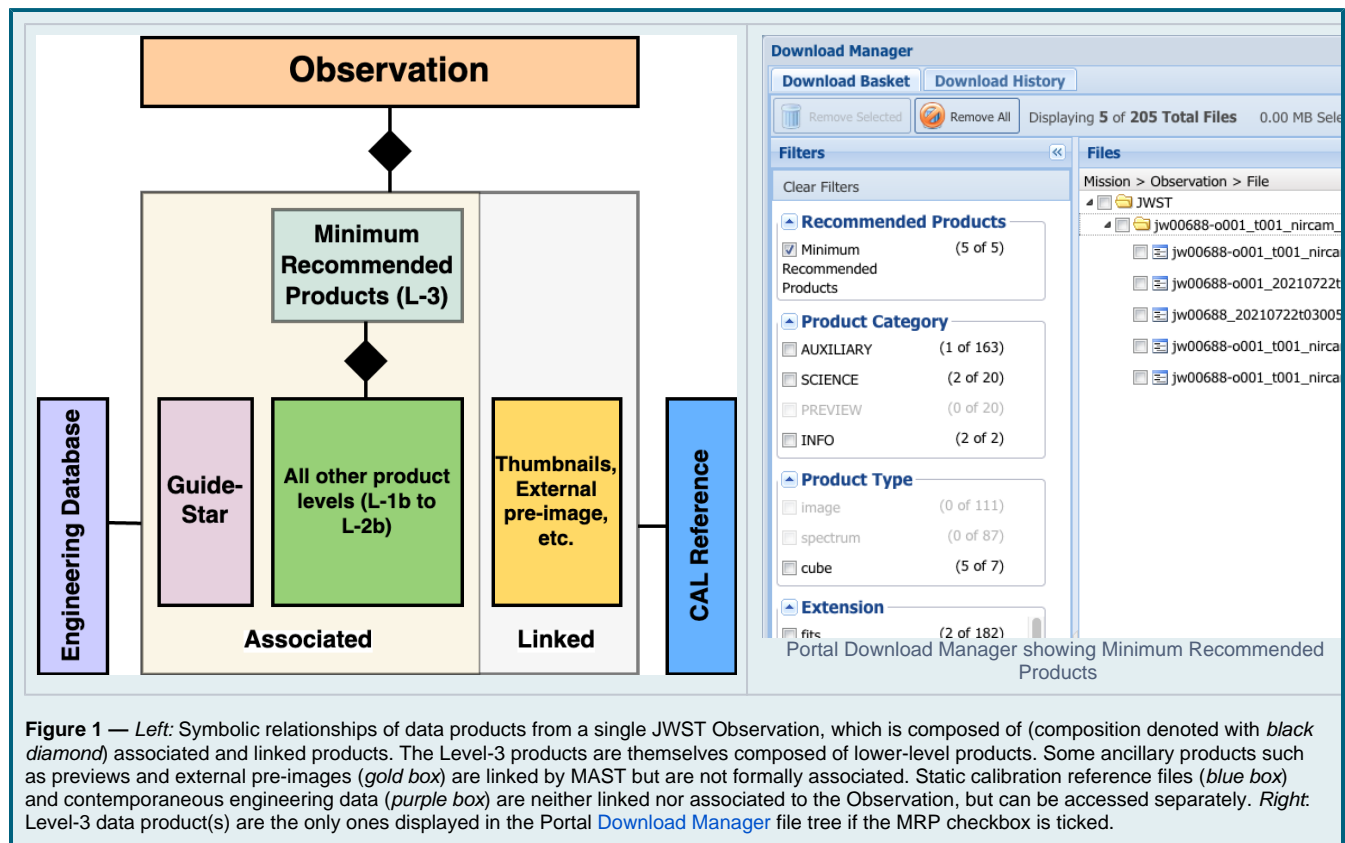
This article illustrates how various related JWST products are represented as an Observation. in the Portal.

On this page...

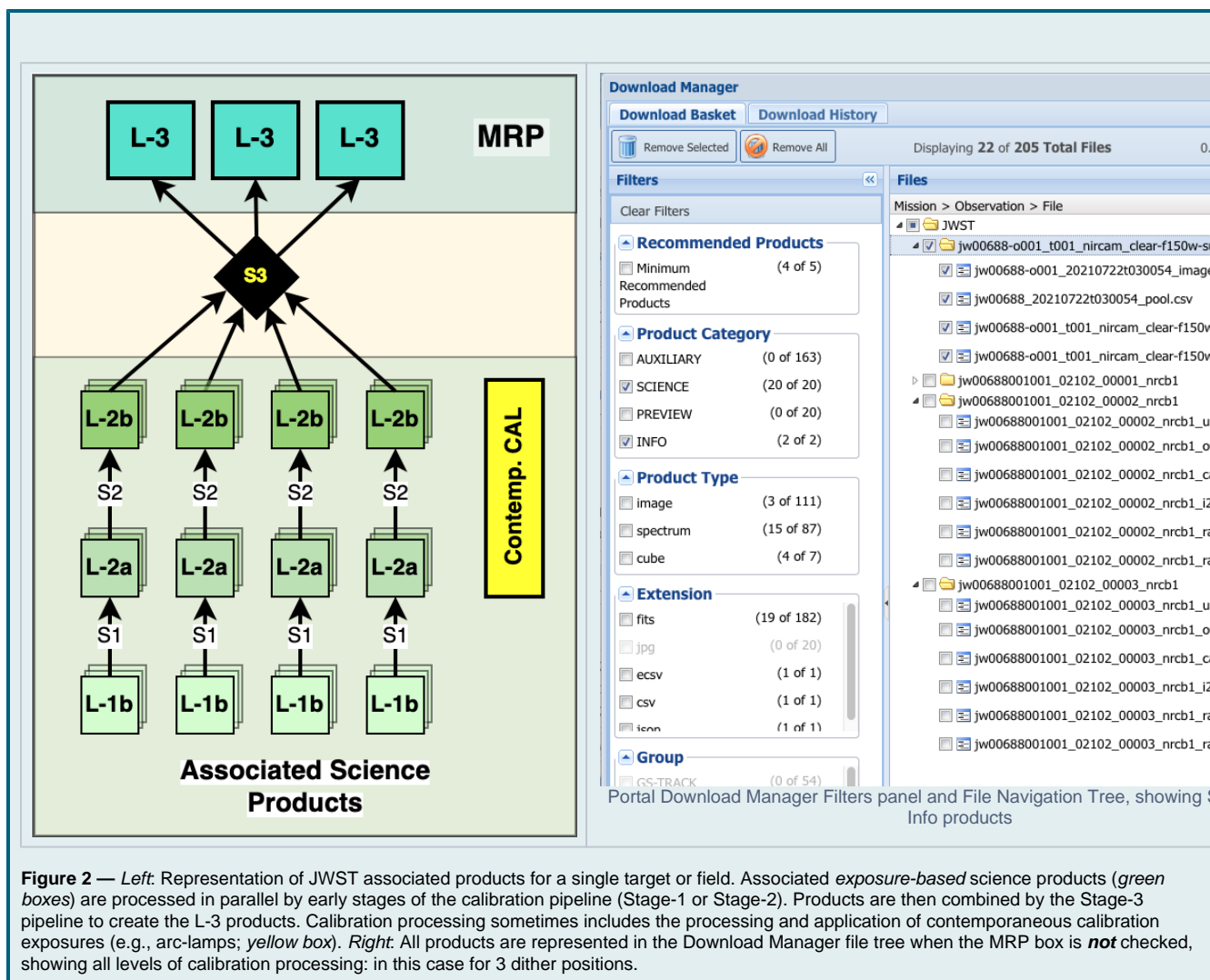
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Associations and Linkages in the Portal

The relationships between various categories of JWST data products are illustrated schematically in Figs. 1 and 2, including the way linked data products appear in the MAST Portal [Download Manager](#). The comprehensive but abridged view in Fig. 1 represents a single JWST science Observation for the common case where **Level-3 (L-3) products are produced** for a single instrument. (See [Processing Levels and Product Stages](#) for more information.) Note that the only L-3 products will be displayed in the Download Manager if the **Minimum Recommended Products (MRP)** filter is applied.



It is important to understand that all data products for an **Observation** are accessible in the Portal; the visibility of a particular product in the Portal [Download Manager](#) depends upon what filtering is applied. The relationships between associated data products (see *green box* in Fig. 1), where guide-star products have been de-selected for clarity, is shown in greater detail in Figure 2. The multiplicity of boxes at each level is intended to represent the various ways many exposures might originate for a given instrument configuration and operating mode: multiple detectors in an instrument, multiple dither positions, different orientations for coronagraphy, etc.



What if L-3 Products are Absent?

There are some cases where L-3 products will not be present in MAST for a given Observation, including:

- Certain calibration programs (e.g., darks)
- Certain engineering programs
- Science programs where not all intended exposures have been executed on the spacecraft
- Failed observations within a planned sequence, where repeat visits or exposures have yet to be (or will never be) executed

In these cases, the Observations will correspond to the highest level data product, and be listed separately in the Portal search results. Their representation will be similar to that in Fig. 2, except that no L-3 products will be present.

For Further Reading...

- [Data Product Linkages](#)
- [MAST Portal Guide](#)