

MIRI Mosaics

MIRI implements mosaics with larger pointing offsets for each tile than are available for dithering.

Overview of MIRI mosaics

Parent page: [MIRI Operations](#)

See Also: [JWST Mosaics](#), [JWST APT Mosaic Planning](#)

[Mosaics with JWST](#) using [MIRI](#) are accomplished with larger pointing offsets for each tile than are available for [MIRI dithering](#); however, a dither pattern may be executed at each mosaic pointing. MIRI-specific mosaic patterns can be [implemented](#) using the [Astronomer's Proposal Tool \(APT\)](#). In general, mosaics are defined with some overlap to provide full coverage, but this is not a requirement.

[Dithers](#) and mosaics are distinct in terms of operational ordering and, therefore, the resulting [overheads](#). All dither positions must be executed before filter changes are executed. All [filter](#) changes are executed before proceeding to the next tile in a mosaic.

MIRI offers:

- [Imaging mosaics](#)
- [Medium-resolution spectrometer \(MRS\) mosaics](#)
- [Low-resolution spectrometer \(LRS\) mosaics](#)