

Mosaic Parameters

| Program,Obs | Comment |
|---|--|
| Templates that Support Mosaics | |
| 680 01 | MIRI Imaging |
| 680 02 | MIRI LRS |
| 680 03 | MIRI MRS |
| 680 05 | MIRI External Flat |
| APT doesn't allow | MIRI MIMF |
| APT doesn't allow | MIRI CPC |
| 680 11 | MIRI MRS Cross-Grating Engineering |
| 680 12 | NIRCam Imaging |
| 680 64 | NIRCam WFSS |
| 680 13 | NIRCam External Flat |
| 680 21 | NIRCam Engineering Imaging |
| 680 23 | NIRSpec FSS |
| 680 24 | NIRSpec IFU |
| 680 34 | NIRSpec Imaging |
| 680 37 | NIRISS Imaging |
| 680 40 | NIRISS WFSS |
| 680 43 | NIRISS Internal Flat |
| 680 44 | NIRISS External Calibration |
| 680 62 | FGS External Calibration (Imaging option only) |
| Mosaic Tool Parameters | |
| 955 01 (1) 955 03 (50) | Rows 1-50 (default 1) |
| 955 01 (1) 955 04 (50) | Columns 1-50 (default 1) |
| 955 01 (10%) 955 02 (-200%) 955 05 (100%) | Row overlap -200% to 100% (default 10%) |
| 955 01 (10%) 955 02 (-200%) 955 05 (100%) | Column overlap -200% to 100% (default 10%) |
| 955 01 (0) 955 02 (-90) 955 05 (90) | Row Shift -90 to 90 (default 0) |
| 955 01 (0) 955 02 (-90) 955 05 (90) | Column Shift -90 to 90 (default 0) |
| illegal values | |
| 955 06 (0) 955 07 (51) | Rows 0, 51 |
| 955 06 (0) 955 08 (51) | Columns 0, 51 |
| APT changes to legal filed PR 91302 | Row Overlap -201%, 101% |
| APT changes to legal filed PR 91302 | Column Overlap -201%, 101% |

| | |
|---|---|
| APT changes to legal filed PR 91302 | Row Shift -91, 91 |
| APT changes to legal filed PR 91302 | Column Shift -91, 91 |
| Tile Order | |
| 955 09 | DEFAULT There are one of more visits for each tile so tile ordering has no effect. |
| 955 13 | Default is HILBERT_CURVE |
| 955 15 | Default is ROW_ORDER |
| 955 17 | Default is COLUMN_ORDER |
| 955 19 | ROW_ORDER |
| 955 21 | COLUMN_ORDER |
| 955 23 | HILBERT_CURVE |
| Gui table Mosaic Tiles | |
| 955 26 | Table that lists all tiles in the mosaic with fields Tile Number, Tile State (Included or Removed which can be toggled by the user), and Visits |
| Buttons at very bottom of page below Mosaic Tiles table | |
| 955 12, 13 | Split Tile to New Observation |
| 955 28, 29 | Copy Tile to New Observation |
| 955 30, 31 | Insert New Observation into Mosaic |
| some rules | |
| 955 26 | when a tile I split the Tile Order is fixed to be the one selected at the time of the splitting |
| 955 27 | when each tile is associated with a distinct set of visits disable the Tile Order option |
| 955 32 | when the entire mosaic fits in a single visit, set the option to DEFAULT and make it uneditable |
| 955 33 (rows) | ordering has no effect with rows or columns set to 1 |
| 955 34 (columns) | |