**Test Case DMS-TP-413: CRDS: Tool will show active files for instrument observing modes [Version : 1]**

Author: gunning - 01/05/2016 10:29:54

Summary:

This test procedure will verify DMS requirement DMS-548 - CRDS shall provide a tool to show active files associated with specific instrument observing modes.

Preconditions:

Internet connection is required.

Logout of any CRDS website you may be logged into and close your browser (if open).

| #: | Step actions: | Expected Results: |
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| 1 | Open an internet browser window. | Browser window will open. |
| 2 | Navigate to https://jwst-crds-b5it.stsci.edu | JWST Calibration Reference Data System (CRDS) website will load. |
| 3 | Click 'Exploring with Instrument Parameters' | Browser window will navigate to https://jwst-crds-b5it.stsci.edu/bestrefs_explore/ |
| 4 | Select<br>Instrument: 'miri'<br><br>Click 'Choose Instrument' | Browser will navigate to a new page to enter dataset parameters for miri |
| 5 | Verify the correct operational context is being references for exploring best references | At the top of the dataset parameters:<br><br>**Explore Best References** (jwst_0104.pmap : miri)<br><br>For DMS build 5.0, jwst_0104.pmap is the correct operational context. |
| | Enter dataset parameters<br><br>META.EXPOSURE.READPATT: * | Best reference for each row can be: n/a, 'more than one match clause matched.', 'no match found', or a specific fits file<br><br>If a fits file is found as a best reference, there will be an option to download the file.<br><br>**Best Reference Results**<br><br>Type / Best Reference / Download<br>AREA / jwst_miri_area_0001.fits / download<br>CAMERA / n/a<br>COLLIMATOR / n/a<br>DARK / more than one match clause matched. |

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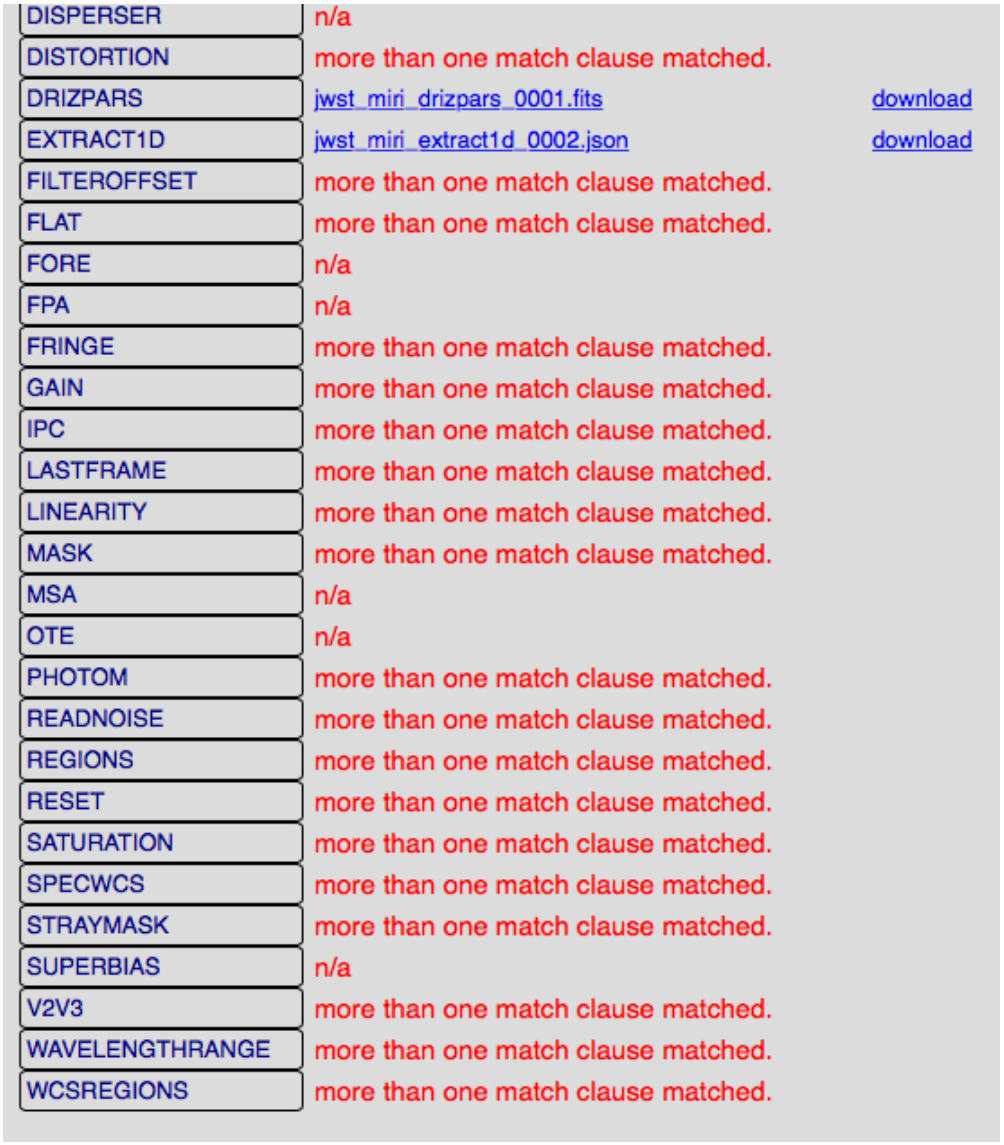
| 6 | META.EXPOSURE.TYPE: *<br>META.INSTRUMENT.BAND: *<br>META.INSTRUMENT.CHANNEL: *<br>META.INSTRUMENT.DETECTOR: *<br>META.INSTRUMENT.FILTER: F1000W<br>META.SUBARRAY.NAME: *<br><br>DATE-OBS: 2050-01-01<br>TIME-OBS: {autofilled}<br><br>**Leave secondary text boxes empty**<br><br>click 'Get References'<br><br>Note: Parameter options vary with each JWST instrument, DATE-OBS and TIME-OBS should remain as specified above for all instruments |  <br><br>The Best Reference Results page shows the input parameters, which context is being referenced (jwst_0104.pmap) and the Best Reference Results according to Type of reference.<br><br>The listed types are: AREA, CAMERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, DRIZPARS, EXTRACT1D, FILTEROFFSET, FLAT, FORE, FPA, FRINGE, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, STRAYMASK, SUPERBIAS, V2V3, WAVELENGTHRANGE, WCSREGIONS.<br><br>Types with Best Reference listed as 'n/a': CAMERA, COLLIMATOR, DISPERSER, FORE, FPA, MSA, OTE, and SUPERBIAS<br><br>Types with Best Reference listed as 'more than one match clause matched.': DARK, DISTORTION, FILTEROFFSET, FLAT, FRINGE, GAIN, IPC, LASTFRAME, LINEARITY, MASK, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, STRAYMASK, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with downloadable files for Best Reference:<br>AREA: Best Reference = jwst_miri_area_0001.fits<br>DRIZPARS: Best Reference = jwst_miri_drizpars_0001.fits<br>EXTRACT1D: Best Reference = jwst_miri_extract1d_0002.json |
| 7 | Navigate back two pages in your browser to where you can select another JWST instrument. | Browser will be back on the page that allows you to select a JWST instrument. |
| 8 | Select<br>Instrument: 'nircam'<br>Click 'Choose Instrument' | Browser will navigate to a new page to enter dataset parameters for nircam. |
| | | Browser will navigate to a new page with these results |

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| 9 | Enter dataset parameters<br><br>META.EXPOSURE.READPATT: *<br>META.EXPOSURE.TYPE: NRC_CORON<br>META.INSTRUMENT.CHANNEL: *<br>META.INSTRUMENT.DETECTOR: NRCA1<br>META.INSTRUMENT.FILTER: *<br>META.INSTRUMENT.PUPIL: *<br>META.SUBARRAY.NAME: FULL<br><br>DATE-OBS: 2050-01-01<br>TIME-OBS: {autofilled}<br><br>**Leave secondary text boxes empty**<br><br>click, 'Get References' | **Best Reference Results**<br><br>Type / Best Reference / Download<br>AREA — n/a<br>CAMERA — n/a<br>COLLIMATOR — n/a<br>DARK — jwst_nircam_dark_0030.fits — download<br>DISPERSER — n/a<br>DISTORTION — n/a<br>DRIZPARS — jwst_nircam_drizpars_0001.fits — download<br>FILTEROFFSET — n/a<br>FLAT — jwst_nircam_flat_0000.fits — download<br>FORE — n/a<br>FPA — n/a<br>GAIN — jwst_nircam_gain_0000.fits — download<br>IPC — jwst_nircam_ipc_0001.fits — download<br>LASTFRAME — n/a<br>LINEARITY — jwst_nircam_linearity_0020.fits — download<br>MASK — jwst_nircam_mask_0010.fits — download<br>MSA — n/a<br>OTE — n/a<br>PHOTOM — jwst_nircam_photom_0031.fits — download<br>READNOISE — [illegible] — download | |

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| | |  <br>The Best Reference Results page shows the input parameters, which context is being referenced (jwst_0104.pmap) and the Best Reference Results according to Type of reference.<br><br>The listed types are: AREA, CAMERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, DRIZPARS, FILTEROFFSET, FLAT, FORE, FPA, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, SUPERBIAS, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with Best Reference listed as 'n/a': AREA, CAMERA, COLLIMATOR, DISPERSER, DISTORTION, FILTEROFFSET, FORE, FPA, LASTFRAME, MSA, OTE, REGIONS, RESET, SPECWCS, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with downloadable files for Best Reference:<br>DARK: Best Reference = jwst_nircam_dark_0030.fits<br><br>DRIZPARS: Best Reference = jwst_nircam_drizpars_0001.fits<br>FLAT: Best Reference = jwst_nircam_flat_0000.fits<br>GAIN: Best Reference = jwst_nircam_gain_0000.fits<br>IPC: Best Reference = jwst_nircam_ipc_0001.fits<br>LINEARITY: Best Reference = jwst_nircam_linearity_0020.fits<br>MASK: Best Reference = jwst_nircam_mask_0010.fits<br>PHOTOM: Best Reference = jwst_nircam_photom_0031.fits<br>READNOISE: Best Reference = jwst_nircam_readnoise_0000.fits<br>SATURATION: Best Reference = jwst_nircam_saturation_0030.fits<br>SUPERBIAS: Best Reference = jwst_nircam_superbias_0001.fits |
| 10 | Navigate back two pages in your browser to where you can select another JWST instrument. | Browser will be back on the page that allows you to select a JWST instrument. |
| 11 | Select<br>Instrument: 'niriss'<br>click, 'Choose Instrument' | Browser will navigate to a new page to enter dataset parameters for niriss. |
| | | Browser will navigate to a page with these results. |

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Enter dataset parameters:

META.EXPOSURE.READPATT: *
META.EXPOSURE.TYPE: NIS_AMI
META.INSTRUMENT.DETECTOR: N/A
META.INSTRUMENT.FILTER: *
META.INSTRUMENT.PUPIL: CLEARP
META.SUBARRAY.NAME: FULL

DATE-OBS: 2050-01-01
TIME-OBS: {autofilled}

**Leave secondary text boxes empty.**

click, 'Get References'

**Best Reference Results**

| Type | Best Reference | Download |
|---|---|---|
| AREA | jwst_niriss_area_0001.fits | download |
| CAMERA | n/a | |
| COLLIMATOR | n/a | |
| DARK | jwst_niriss_dark_0005.fits | download |
| DISPERSER | n/a | |
| DISTORTION | n/a | |
| EXTRACT1D | parameter='meta.exposure.type' value='nis_ami' is not in ['nis_soss'] | |
| FILTEROFFSET | n/a | |
| FLAT | jwst_niriss_flat_0003.fits | download |
| FORE | n/a | |
| FPA | n/a | |
| GAIN | jwst_niriss_gain_0001.fits | download |
| IPC | jwst_niriss_ipc_0002.fits | download |
| LASTFRAME | n/a | |
| LINEARITY | jwst_niriss_linearity_0005.fits | download |
| MASK | jwst_niriss_mask_0004.fits | download |
| MSA | n/a | |
| OTE | n/a | |
| PHOTOM | jwst_niriss_photom_0017.fits | download |
| READNOISE | jwst_niriss_readnoise_0001.fits | download |
| REGIONS | n/a | |
| RESET | n/a | |
| SATURATION | jwst_niriss_saturation_0005.fits | download |
| SPECWCS | n/a | |
| SUPERBIAS | jwst_niriss_superbias_0003.fits | download |
| THROUGHPUT | more than one match clause matched. | |
| V2V3 | n/a | |
| WAVELENGTHRANGE | n/a | |
| WCSREGIONS | n/a | |

The Best Reference Results page shows the input parameters, which context is being referenced (jwst_0104.pmap) and the Best Reference Results according to Type of reference.

The listed types are: AREA, CAMERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, EXTRACT1D

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| | | The listed types are: AREA, CAMERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, EXTRACT1D, FILTEROFFSET, FLAT, FORE, FPA, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, SUPERBIAS, THROUGHPUT, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with Best Reference listed as 'n/a': CAMERA, COLLIMATOR, DISPERSER, DISTORTION, FILTEROFFSET, FORE, FPA, LASTFRAME, MSA, OTE, REGIONS, RESET, SPECWCS, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with Best Reference listed as 'more than one match clause matched': THROUGHPUT<br><br>Type EXTRACT1D has Best Reference listed as: 'parameter = 'meta.exposure.type' value = 'nis_ami' is not in ['nis_soss']'<br><br>Types with downloadable files for Best Reference:<br>AREA: Best Reference = jwst_niriss_area_0001.fits<br>DARK: Best Reference = jwst_niriss_dark_0005.fits<br>FLAT: Best Reference = jwst_niriss_flat_0003.fits<br>GAIN: Best Reference = jwst_niriss_gain_0001.fits<br>IPC: Best Reference = jwst_niriss_ipc_0002.fits<br>LINEARITY: Best Reference = jwst_niriss_linearity_0005.fits<br>MASK: Best Reference = jwst_niriss_mask_0004.fits<br>PHOTOM: Best Reference = jwst_nirisss_photom_0017.fits<br>READNOISE: Best Reference = jwst_niriss_readnoise_0001.fits<br>SATURATION: Best Reference = jwst_niriss_saturation_0005.fits<br>SUPERBIAS: Best Reference = jwst_niriss_superbias_0003.fits |
| 13 | Navigate back two pages in your browser to where you can select another JWST instrument. | Browser will be back on the page that allows you to select another JWST instrument. |
| 14 | Select<br>Instrument: 'nirspec'<br>click,'Choose Instrument' | Browser will navigate to a new page to enter dataset parameters for nirspec. |
| | | Browser will navigate to a page with these results<br><br>**Best Reference Results**<br><br>Type \| Best Reference \| Download<br>AREA \| n/a<br>CAMERA \| jwst_nirspec_camera_0001.asdf \| download |

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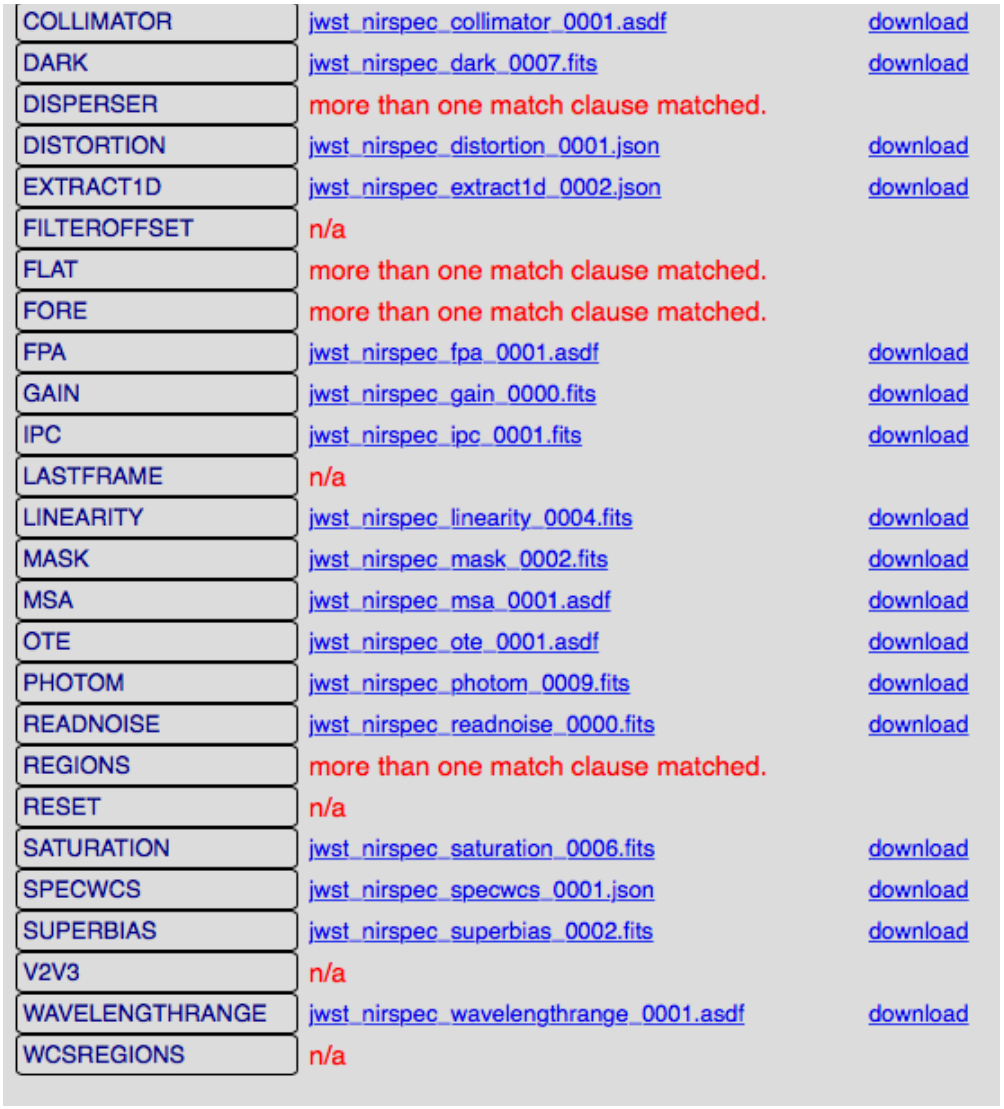
| 15 | Enter dataset parameters<br><br>META.EXPOSURE.READPATT: *<br>META.EXPOSURE.TYPE: NRS_FIXEDSLIT<br>META.INSTRUMENT.DETECTOR: NRS1<br>META.INSTRUMENT.FILTER: *<br>META.INSTRUMENT.GRATING: *<br>META.SUBARRAY.NAME: ALLSLITS<br><br>DATE-OBS: 2050-01-01<br>TIME-OBS: {autofilled}<br><br>**Leave secondary text boxes empty**<br><br>click, 'Get References' |  <br><br><br>The Best Reference Results page shows the input parameters, which context is being referenced (jwst_0104.pmap) and the Best Reference Results according to Type of reference.<br><br>The listed types are: AREA, CAMERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, EXTRACT1D, FILTEROFFSET, FLAT, FORE, FPA, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, SUPERBIAS, V2V3, WAVELENGTHRANGE, and WCSREGIONS<br><br>Types with Best References listed as 'n/a': AREA, FILTEROFFSET, LASTFRAME, RESET, V2V3, and WCSREGIONS<br><br>Types with Best References listed as 'more than one match clause matched.': DISPERSER, FLAT, FORE, and REGIONS<br><br>Types with downloadable files for Best Reference:<br>CAMERA: Best Reference = jwst_nirspec_camera_0001.asdf<br>COLLIMATOR: Best Reference = jwst_nirspec_collimator_0001.asdf<br>DARK: Best Reference = jwst_nirspec_dark_0007.fits<br>DISTORTION: Best Reference = jwst_nirspec_distortion_0001.json<br>EXTRACT1D: Best Reference = jwst_nirspec_extract1d_0002.json<br>FPA: Best Reference = jwst_nirspec_fpa_0001.asdf<br>GAIN: Best Reference = jwst_nirspec_gain_0000.fits<br>IPC: Best Reference = jwst_nirspec_ipc_0001.fits<br>LINEARITY: Best Reference = jwst_nirspec_linearity_0004.fits<br>MASK: Best Reference = jwst_nirspec_mask_0002.fits<br>MSA: Best Reference = jwst_nirspec_msa_0001.asdf<br>OTE: Best Reference = jwst_nirspec_ote_0001.asdf<br>PHOTOM: Best Reference = jwst_nirspec_photom_0009.fits<br>READNOISE: Best Reference = jwst_nirspec_readnoise_0000.fits<br>SATURATION: Best Reference = jwst_nirspec_saturation_0006.fits<br>SPECWCS: Best Reference = jwst_nirspec_specwcs_0001.json<br>SUPERBIAS: Best Reference = jwst_nirspec_superbias_0002.fits<br>WAVELENGTHRANGE: Best Reference = jwst_nirspec_wavelengthrange_0001.asdf |
| 16 | Navigate back two pages in your browser to where you can select another JWST instrument. | Browser will be back on the page that allows you to select another JWST instrument. |
| 17 | Select<br>Instrument: 'fgs' | Browser will navigate to a new page to enter dataset parameters for fgs. |

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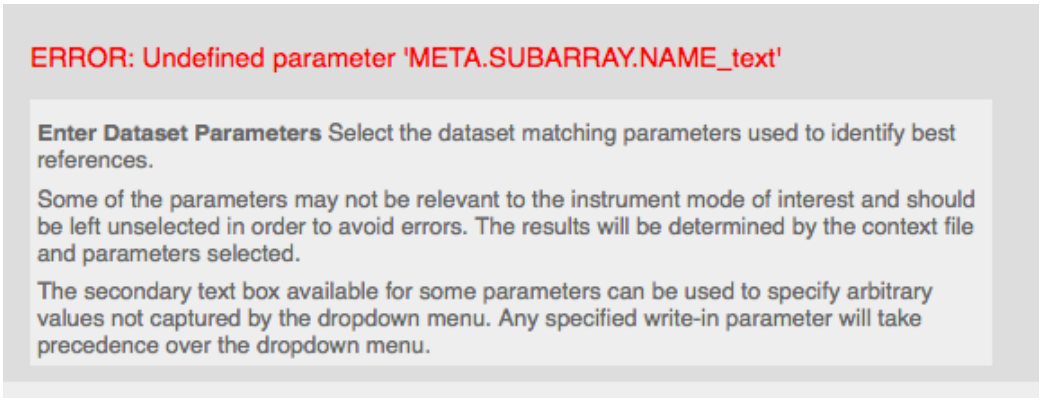
| | click,'Choose Instrument' | |
| 18 | Enter dataset parameters<br><br>META.EXPOSURE.READPATT: *<br>META.INSTRUMENT.DETECTOR: GUIDER1<br>META.INSTRUMENT.FILTER: *<br>META.SUBARRAY.NAME: *<br><br>DATE-OBS: 2050-01-01<br>TIME-OBS: {autofilled}<br><br>**Leave secondary text boxes empty**<br><br>click, 'Get References' | Results page does not show up as expected.<br><br>This error recieved instead:<br><br>  <br><br>See DR# 2928<br><br>Completion of this step (once DR 2928 is closed) will verify DMS requirement DMS-548.<br>The tool shows all active reference files for each JWST instrument given specific observing modes. |
| Execution type: | Manual | |
| Estimated exec. duration (min): | | |
| Importance: | Medium | |
| Cautionary Statement: | | |
| Facility: | STScI | |
| Environment: | JWST DMS Build 5.0<br>operational context: jwst_0104.pmap | |
| Run Date: | N/A | |
| Inputs: | N/A | |
| Outputs: | N/A | |
| Test Case(s): | DMS-TC-3830 | |
| Prerequisites: | N/A | |
| Notes: | N/A | |
| Post Condition: | close browser window | |
| QA Approval Date: | | |
| Requirements | DMS-548: Displaying Reference Files by Mode | |
| Keywords: | CRDS<br>Draft<br>Build 5 | |