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

META.EXPOSURE.TYPE: * DISPERSER META.INSTRUMENT.BAND: * META.INSTRUMENT.CHANNEL: * DISTORTION more than one match clause matched. META.INSTRUMENT.DETECTOR: DRIZPARS jwst_miri_drizpars_0001.fits <u>download</u> META.INSTRUMENT.FILTER: EXTRACT1D F1000W jwst_miri_extract1d_0002.json download META.SUBARRAY.NAME: * **FILTEROFFSET** more than one match clause matched. DATE-OBS: 2050-01-01 FLAT more than one match clause matched. TIME-OBS: {autofilled} **FORE** n/a Leave secondary text boxes empty **FPA** n/a click 'Get References' **FRINGE** more than one match clause matched. Note: Parameter options vary with **GAIN** more than one match clause matched. each JWST instrument, DATE-OBS and TIME-OBS should **IPC** more than one match clause matched. remain as specified above for all instruments LASTFRAME more than one match clause matched. more than one match clause matched. LINEARITY MASK more than one match clause matched. MSA n/a OTE n/a **PHOTOM** more than one match clause matched. READNOISE more than one match clause matched. REGIONS more than one match clause matched. RESET more than one match clause matched. SATURATION more than one match clause matched. **SPECWCS** more than one match clause matched. STRAYMASK more than one match clause matched. **SUPERBIAS** V2V3 more than one match clause matched. WAVELENGTHRANGE more than one match clause matched. WCSREGIONS more than one match clause matched. 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, DRIZPARS, EXTRACT 1D, FILTEROFFSET, FLAT, FORE, FPA, FRINGE, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE, PHOTOM, READNOISE, REGIONS, RESET, SATURATION, SPECWCS, STRAYMASK, SUPERBIAS, V2V3, WAVELENGTHRANGE, WCSREGIONS. Types with Best Reference listed as 'n/a': CAMERA, COLLIMATOR, DISPERSER, FORE, FPA, MSA, OTE, and SUPERBIAS 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 Types with downloadable files for Best Reference: AREA: Best Reference = jwst_miri_area_0001.fits DRIZPARS: Best Reference = jwst_miri_drizpars_0001.fits EXTRACT1D: Best Reference = jwst_miri_extract1d_0002.json Navigate back two pages in your browser to where you can select Browser will be back on the page that allows you to select a JWST instrument. another JWST instrument. 8 Instrument: 'nircam' Browser will navigate to a new page to enter dataset parameters for nircam. Click 'Choose Instrument' Browser will navigate to a new page with these results

Enter dataset parameters

META.EXPOSURE.READPATT: *
META.EXPOSURE.TYPE:
NRC_CORON
META.INSTRUMENT.CHANNEL: * META.INSTRUMENT.DETECTOR: NRCA1 META.INSTRUMENT.FILTER: *
META.INSTRUMENT.PUPIL: *
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	n/a	
CAMERA	n/a	
COLLIMATOR	n/a	
DARK	jwst_nircam_dark_0030.fits	download
DISPERSER	n/a	
DISTORTION	n/a	
DRIZPARS	jwst_nircam_drizpars_0001.fits	download
FILTEROFFSET	n/a	
FLAT	jwst_nircam_flat_0000.fits	download
FORE	n/a	
FPA	n/a	
GAIN	jwst_nircam_gain_0000.fits	download
IPC	jwst_nircam_ipc_0001.fits	download
LASTFRAME	n/a	
LINEARITY	jwst_nircam_linearity_0020.fits	download
MASK	jwst_nircam_mask_0010.fits	download
MSA	n/a	
OTE	n/a	
РНОТОМ	jwst_nircam_photom_0031.fits	download
DEADNOIDE	burt almost and also according	decorate and

		HEADNOISE	jwst_nircam_reagnoise_uuuu.tits	download
		REGIONS	n/a	
		RESET	n/a	
		SATURATION	jwst_nircam_saturation_0030.fits	download
		SPECWCS	n/a	
		SUPERBIAS	jwst_nircam_superbias_0001.fits	download
		V2V3	n/a	download
		WAVELENGTHRANGE	n/a	
		WCSREGIONS	n/a	
		WOSHEGIONS	Jiva	
		The Best Reference Results page and the Best Reference Results a	shows the input parameters, which context is being referenced ccording to Type of reference.	(jwst_0104.pmap)
		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 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		НОТОМ,
				RTION,
		Types with downloadable files for DARK: Best Reference = jwst_nin	cam_dark_0030.fits	
		DRIZPARS: Best Reference = jwst_FLAT: Best Reference = jwst_nircc GAIN: Best Reference = jwst_nirci IPC: Best Reference = jwst_nircal LINEARITY: Best Reference = jwst_nir PHOTOM: Best Reference = jwst_nir READNOISE: Best Reference = jwst_BATURATION: Best Reference = jwst_DATURATION: Best_DATURATION: Best_DATURA	am_flat_0000.fits am_gain_0000.fits m_ipc_0001.fits st_nircam_linearity_0020.fits cam_mask_0010.fits _nircam_photom_0031.fits wst_nircam_readnoise_0000.fits jwst_nircam_saturation_0030.fits	
	Navigata hask two pages in your	SUPERBIAS: Best Reference = jv	vst_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 Instrument: 'niriss' click, 'Choose Instrument'	Browser will navigate to a new pa	age to enter dataset parameters for niriss.	
		Browser will navigate to a page w	vith these results.	

Best Reference Results

META.EXPOSURE.READPATT: *
META.EXPOSURE.TYPE: NIS_AMI META.INSTRUMENT.DETECTOR:

Enter dataset parameters:

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'

Туре	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	
РНОТОМ	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.



17	Select Instrument: 'fgs'	Browser will navigate to a new p	page to enter dataset parameters for fgs.	
16	Navigate back two pages in your browser to where you can select another JWST instrument.		e that allows you to select another JWST instrument.	
	and the Best Reference Results The listed types are: AREA, CAN FILTEROFFSET, FLAT, FORE, FREADNOISE, REGIONS, RESE WCSREGIONS Types with Best References lister REGIONS Types with Best References lister REGIONS Types with downloadable files for CAMERA: Best Reference = jwst COLLIMATOR: Best Reference = DARK: Best Reference = jwst_nirs DISTORTION: Best Reference = EXTRACT1D: Best Reference = jwst_nirs GAIN: Best Reference = jwst_nirs LINEARITY: Best Reference = jwst_nirs LINEARITY: Best Reference = jwst_nirs COTE: Best R	MERA, COLLIMATOR, DARK, DISPERSER, DISTORTION, EXPA, GAIN, IPC, LASTFRAME, LINEARITY, MASK, MSA, OTE T, SATURATION, SPECWCS, SUPERBIAS, V2V3, WAVELEN as 'n/a': AREA, FILTEROFFSET, LASTFRAME, RESET, V2V as 'more than one match clause matched.': DISPERSER, FI Best Reference: t_nirspec_camera_0001.asdf = jwst_nirspec_collimator_0001.asdf rspec_dark_0007.fits = jwst_nirspec_distortion_0001.json jwst_nirspec_distortion_0001.json jwst_nirspec_dartact1d_0002.json pec_fpa_0001.asdf spec_gain_0000.fits vst_nirspec_linearity_0004.fits rspec_mask_0002.fits spec_mask_0001.asdf spec_ote_0001.asdf t_nirspec_photom_0009.fits jwst_nirspec_readnoise_0000.fits = jwst_nirspec_readnoise_0000.fits = jwst_nirspec_saturation_0006.fits	CTRACT1D, ;, PHOTOM, IGTHRANGE, and	
		WCSREGIONS	n/a	download
		V2V3 WAVELENGTHRANGE	n/a jwst_nirspec_wavelengthrange_0001.asdf	download
		SUPERBIAS	jwst_nirspec_superbias_0002.fits	download
		SPECWCS	jwst_nirspec_specwcs_0001.json	download
			jwst_nirspec_saturation_0006.fits	download
		SATURATION	n/a	daumland
		RESET	more than one match clause matched.	
		REGIONS	jwst_nirspec_readnoise_0000.fits	download
		READNOISE	jwst_nirspec_photom_0009.fits	download
		PHOTOM	jwst_nirspec_ote_0001.asdf	download
		MSA	jwst_nirspec_msa_0001.asdf	<u>download</u>
		MASK	jwst_nirspec_mask_0002.fits	download
		LINEARITY	jwst_nirspec_linearity_0004.fits	download
	click, 'Get References'	LASTFRAME	n/a	
	Leave secondary text boxes empty	IPC	jwst_nirspec_ipc_0001.fits	download
	TIME-OBS: {autofilled}	GAIN	jwst_nirspec_gain_0000.fits	download
	DATE-OBS: 2050-01-01	FPA	jwst_nirspec_fpa_0001.asdf	download
	META.SUBARRAY.NAME: ALLSLITS	FORE	more than one match clause matched.	
	META.EXPOSURE.TYPE: NRS_FIXEDSLIT META.INSTRUMENT.DETECTOR NRS1 META.INSTRUMENT.FILTER: * META.INSTRUMENT.GRATING: *	FLAT	more than one match clause matched.	
		FILTEROFFSET	n/a	
		EXTRACT1D	jwst_nirspec_extract1d_0002.json	download
	META.EXPOSURE.READPATT: *	DISTORTION	jwst_nirspec_distortion_0001.json	download
	Enter dataset parameters	DISPERSER	more than one match clause matched.	
		DARK	jwst_nirspec_dark_0007.fits	download

	click, 'Choose Instrument'		
		Results page does not show up as expected.	
		This error recieved instead:	
18	Enter dataset parameters META.EXPOSURE.READPATT: * META.INSTRUMENT.DETECTOR: GUIDER1 META.INSTRUMENT.FILTER: * META.SUBARRAY.NAME: * DATE-OBS: 2050-01-01 TIME-OBS: {autofilled} Leave secondary text boxes empty	ERROR: Undefined parameter 'META.SUBARRAY.NAME_text'	
		Enter Dataset Parameters Select the dataset matching parameters used to identify best references.	
		Some of the parameters may not be relevant to the instrument mode of interest and should be left unselected in order to avoid errors. The results will be determined by the context file and parameters selected.	
		The secondary text box available for some parameters can be used to specify arbitrary values not captured by the dropdown menu. Any specified write-in parameter will take precedence over the dropdown menu.	
	click, 'Get References'		
		See DR# 2928	
		Completion of this step (once DR 2928 is closed) will verify DMS requirement DMS-548. The tool shows all active reference files for each JWST instrument given specific observing modes.	
		, , , , , , , , , , , , , , , , , , ,	
Execution type:	Manual		
<u>Estimated</u>			
exec. duration (min):			
Importance:	Medium		
Cautionary Statement:			
Facility:	STScl		
Environment:	JWST DMS Build 5.0 operational context: jwst_0104.pmap		
Run Date:	N/A		
Inputs:	N/A		
Outputs:	N/A		
. ,	DMS-TC-3830		
Prerequisites:	N/A		
Notes:	N/A		
Post Condition:	close browser window		
QA Approval Date:			
-	DMS-548: Displaying Reference File	es by Mode	
Keywords:	CRDS Draft Build 5		