Test Case DMS-TP-440: CRDS: History of all previously used CRDS configurations exists [Version : 1]

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Summary:

This test procedure will verify DMS requirements DMS-685 and DMS-686:

DMS-685; SDP shall provide a web service that allows CRDS to inquire what CRDS configuration is being used by the operations pipeline.

DMS-686 SDP shall provide a web service to obtain the history of all previously used CRDS configurations including the date range for each configuration.

Preconditions:

Internet connection is required

Log out of any CRDS website you are currently logged into and close your browser window (if open).

<u>#:</u>	Step actions:	Expected Results:			
1	Open an internet browser.	The browser window will open in your active desktop.			
2	Navigate to https://jwst- crds- b5it.stsci.edu	The browser will load https://jwst-crds-b5it.stsci.edu This JWST Calibration Reference Data System (CRDS) page has four key areas: Obtain Best Reference Files Reference File Database Services Operational References Context History			

jwst_0104.pmap should have:
Status: Operational
Start Date: 2016-01-14
Description: Updating the context to reflect the DMS Build 5.0 environment as specified in the Build 5.0 SDn

Under the Context History, Verify that jwst_0104.pmap is the operational context.
Note: Operational context means it would be the configuration being used by the operations
pipeline.

Start Date	Context	Status	Description	
2016-01-14	jwst_0104.pmap	operational	Updating the context to reflect the DMS Build 5.0 environment as specified in the Build 5.0 SDn	
2015-11-04	jwst_0101.pmap	archived	Updated operational context for NIRCAM WAVELENGTHRANGE is N/A.	
2015-10-31	jwst_0100.pmap	archived	Defined V2V3 is N/A for NIRSPEC.	
2015-10-31	jwst_0099.pmap	archived	Corrected WCS rmaps for parameter value typos detected by certify	

Completion of this step verifies DMS requirement DMS-685.
The CRDS web services shows what CRDS configuration (context map) is being used by the operations pipeline by showing which configuration is operational.

4	Click the word
	'more' next to
	the Context
	History heading

Verify each

The browser will navigate to https://jwst-crds-b5it.stsci.edu/display_context_history/

All past configurations have a Start Date, Status, and Description

The date range for jwst_0101.pmap is 2015-11-04 to 2016-01-13 (because jwst_0104.pmap became operational on 2016-01-14)

JWST Calibration Reference Data System (CRDS) (b5it)



Context History

Start Date	Context	Status	Description	diff
2016-01-14	jwst_0104.pmap	operational	Updating the context to reflect the DMS Build 5.0 environment as specified in the Build 5.0 SDn	
2015-11-04	jwst_0101.pmap	archived	Updated operational context for NIRCAM WAVELENGTHRANGE is N/A.	
2015-10-31	jwst_0100.pmap	archived	Defined V2V3 is N/A for NIRSPEC.	-
2015-10-31	jwst_0099.pmap	archived	Corrected WCS rmaps for parameter value typos detected by certify	-
2015-10-31	jwst_0098.pmap	archived	Explicitly declared some EXP_TYPE values as N/A for some WCS types of all instruments except FGS.	-
2015-10-30	jwst_0097.pmap	archived	Manual PMAP update for preceding WCS IMAP manual changes to declare types N/A.	
2015-10-30	jwst_0096.pmap	archived	Manual PMAP update for preceding WCS IMAP manual changes to declare types N/A.	
2015-10-30	jwst_0095.pmap	archived	First round addition of ASDF WCS references and EXTRACT1D files.	-
2015-10-21	jwst_0084.pmap	archived	First EXTRACT1D references for MIRI, NIRISS, NIRSPEC.	-
2015-10-02	jwst_0082.pmap	archived	NIRSpec flat-field reference files from the instrument team to support the Build 5 pipeline.	-
2015-09-30	jwst_0081.pmap	archived	Added jwst_miri_regions_0006.fits back to rules, MIRIFUSHORT SHORT case accidentally deleted during parameter schema change.	-
2015-09-16	jwst_0080.pmap	archived	Added DETECTOR=MIRFULONG BAND=N/A REFERENCE=N/A for MIRI STRAYMASK	-
2015-09-11	jwst_0079.pmap	archived	Added PIXEL AREA rmaps and references for MIRI, NIRCAM, NIRSPEC. Augmented AREA rmap for NIRISS.	
2015-08-10	jwst_0074.pmap	archived	Removed FILTER as matching parameter from SATURATION, READNOISE, MASK, LINEARITY, GAIN, and DARK for all instruments. First suite of real references for NIRISS, minus ILLUM FLAT. bad pixel mask, bias, gain, pixel flat, ipc, linearity, photometric calibration, pixel area, read noise, saturation. Omitted dark since submitted earlier out of sequence, identical, already jwst_nize, ooos, fits. First suite of real references for NIRISS, minus ILLUM FILAT had givel mask, bias, rain, givel flat income.	

	Status, and Description
5	Note: The

e date range for each context is it's Start date until the day the next Context's start date

on the page has a Start Date

2015-07-15

2015-06-28

2015-05-05

2015-04-13

2015-02-17

jwst_0063.pmap

jwst_0061.pmap

iwst 0059.pmap

jwst_0053.pmap

archived

archived

Changes to designate some WCS types as N/A, see context differences for more information. archived Added SUPERBIAS type support and initial stub references for FGS, NIRISS, NIRCAM, NIRSPEC Level-2a files from the MIRI IDT CDP-3 delivery from November, 2014. Added MIRI references from 03-29-2015, new FLAT cases, replacement PHOTOM, FRINGE, STRAYMASK files. Changed DETECTOR=NIRISS to DETECTOR=NIS. Added READPATT as MIRI READNOISE matchin archived parameter. Modified MIRI SUBARRAY handling to use GENERIC, FULL, and specific SUBARRAY values, Modified MIRI FLAT to consistently use ANY and to remove obsolete references 0029 and 0030. Added NIRISS THROUGHPUT references for AMI modes F277W, F380M, F430M, F480M. Build-4 first

linearity, photometric calibration, pixel area, read noise, saturation,

Updated context to latest prefetch N/A related tweaks.

iwst_0043.pmap draft context. Jira tickets JP-16, 17, 19, 20, 25, 30. Generally drop FILTER from several MIRI types and add 2015-01-12 jwst_0039.pmap archived SUBARRAY and SUBARRAY=N/A for existing references except MIRI DARK. Added new MIRI DARK references explicitly covering SUBARRAY modes, removed most old DARKs.

FGS DETECTOR value switch from FGS1/FGS2 to GUIDER1/GUIDER2. Added rmap_relevance expressions for MIRI and NIRSPEC WCS types to generate N/A for unsupported modes instead of 2014-11-25 jwst_0036.pmap archived raising exceptions which crashed reference prefetch. 2014-09-25 iwst 0034.pmap archived **Build-3 References** 2014-07-24 jwst_0025.pmap archived Replaced PHOTOM references for NIRSPEC and NIRISS.

2014-07-18 First MIRI PHOTOM reference for MIRIMAGE detector with real data. jwst_0023.pmap archived 2014-07-08 Multiple MIRI FLAT changes, new references, added SUBARRAY as matching parameter. See diffs. jwst_0022.pmap archived 2014-03-26 jwst_0013.pmap archived New context jwst 0013.pmap adds Interpixel Capacitance references for all instruments

Updated for META.INSTRUMENT.TYPE switch to META.INSTRUMENT.NAME New linearity files for all 2014-03-19 jwst_0012.pmap archived instruments New saturation files and rmaps for all instruments 2013-11-25 jwst_0005.pmap archived set by system 2013-09-04 Absolute Calibration (photom) additions and replacements. jwst_0003.pmap

2013-07-31 Dark and Mask files. jwst_0002.pmap archived 2013-04-13 jwst_0001.pmap archived Linearity and dark files. 2012-09-27 jwst_0000.pmap archived First rules and references from jwst_gentools stub development cloning. 2012-09-06 jwst.pmap Bootstrap mappings

The Context History displays the dates at which particular CRDS reference assignment rules were first used in the pipeline.

Completion of this step verifies DMS requirement DMS-686.
The CRDS web service shows which CRDS configuration (context) is archived (previously used) and the date it was activated. The list of these configurations gives the date range for each context

Estimated exec. duration (min):	
<u>(min):</u>	
Importance:	Medium
Cautionary Statement:	N/A
Facility:	STScI
Environment:	JWST DMS Build 5.0 operational context: jwst_0104.pmap
Run Date:	N/A
Inputs:	N/A
Outputs:	N/A
Test Case(s):	DMS-TC-3862 DMS-TC-3864

Prerequisites: N/A Notes: N/A

Manual

Execution

Close browser window. Condition:

Build 5

QA Approval Date: Requirements DMS-685: Current Operational CRDS Configuration DMS-686: CRDS Operational History

Keywords: CRDS Draft