2017-07-27 TrEx WG Meeting notes

Date

27 Jul 2017

Attendees

- Kevin Stevenson
- David Lafreniere
- Unknown User (eas342@email.arizona.edu)
- Unknown User (jarronl@email.arizona.edu)
- Unknown User (albert@astro.umontreal.ca)
- Pierre-Olivier Lagage
- Unknown User (sbirkman@rssd.esa.int)
- Unknown User (tom.greene@nasa.gov)
- Sarah Kendrew
- Maria Pena-Guerrero

Goals

- JDox, bright object target acquisition, generating simulated data, and calibration pipeline

Discussion items

Time	Item	Who	Notes
	JDox	Sarah	• TSO landing page: https://jwst-docs-stage.stsci.edu/pages/viewpage.action?spaceKey=JPP&title=Overview+of+Time+Series+Observation+%28TSO%29+Modes • Initial draft of landing page (and subpages) to be completed by Aug 1st • Need volunteer(s) from each instrument team to review pages and supply feedback

	BOTA	Kevin	• Jonathan Fraine is forming a tiger team to identify and address issues with bright object target acquisition in time for Cycle 1
			  ◦ Let him know if you are interested in joining the team
			• MIRI
			  ◦ LRS TA has been included in APT 25.2, should use 15 micron filter
			  ◦ Imaging still needs TA, not likely for 25.4
			  ◦ ND filter is available for bright targets
			• NIRSpec
			  ◦ WATA update from Maria
			  ◦ Should be enabled for APT 25.4
			• NIRCam
			  ◦ Currently 4 targets in GTO list that are too bright for TA (HD 209458, HD 189733, HD149026, GJ436)
			  ◦ Preferred solution is to enable narrow filter during TA
			• NIRISS
			  ◦ No issues

	Simulated Data	Kevin	• DMS still working towards processing data
			  ◦ Should have first results in two weeks (update at Aug 10 DMS TSO meeting)
			• Proposed instrument modes for simulated data
			  ◦ NIRCam:
			  ▪ Full array grism (2048x2048), no science, memory test
			  ▪ Subarray grism (128x2048)
			  ▪ Imaging (WLP8 + F210M), SUB160
			  ◦ NIRSpec:
			  ▪ SUB2048 (2048x32), G395H/F290LP
			  ▪ CV3 data
			  ◦ MIRI
			  ▪ LRS, slitless
			  ▪ Imaging, SUB64
			  ◦ NIRISS
			  ▪ SUBSTRIP256, GR700XD/CLEAR
			• Can start working on generating simulated science data
			  ◦ Possible targets: WASP-107b or WASP-39b in transmission, specific details to follow shortly
			  ◦ Joe Filippazzo has code to insert transmission spectrum into simulated data, can share with other teams

	Calibration Pipeline	Stephan, Maria	• Stephan and Maria (NIRSpec) would like to include 1/f correction step in calibration pipeline, likely in CALTSO3 for Build 7.2 • Next Cal WG meeting is Aug 8th, Stephan to reach out to Karl to put topic on the agenda

Action items

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