

2017-07-27 TrEx WG Meeting notes

Date

27 Jul 2017

Attendees

- Kevin Stevenson
- David Lafreniere
- Unknown User (eas342@email.arizona.edu)
- Unknown User (jarroni@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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Jonathan Fraine is forming a tiger team to identify and address issues with bright object target acquisition in time for Cycle 1<ul style="list-style-type: none">◦ Let him know if you are interested in joining the team• MIRI<ul style="list-style-type: none">◦ 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<ul style="list-style-type: none">◦ WATA update from Maria◦ Should be enabled for APT 25.4• NIRCams<ul style="list-style-type: none">◦ 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<ul style="list-style-type: none">◦ No issues
	Simulated Data	Kevin	<ul style="list-style-type: none">• DMS still working towards processing data<ul style="list-style-type: none">◦ Should have first results in two weeks (update at Aug 10 DMS TSO meeting)• Proposed instrument modes for simulated data<ul style="list-style-type: none">◦ NIRCams:<ul style="list-style-type: none">▪ Full array grism (2048x2048), no science, memory test▪ Subarray grism (128x2048)▪ Imaging (WLP8 + F210M), SUB160◦ NIRSpec:<ul style="list-style-type: none">▪ SUB2048 (2048x32), G395H/F290LP▪ CV3 data◦ MIRI<ul style="list-style-type: none">▪ LRS, slitless▪ Imaging, SUB64◦ NIRISS<ul style="list-style-type: none">▪ SUBSTRIP256, GR700XD/CLEAR• Can start working on generating simulated science data<ul style="list-style-type: none">◦ 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	<ul style="list-style-type: none">• 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

