2018-12-03 TSO WG Meeting notes

Date

03 Dec 2018

Attendees

- Kevin Stevenson
- Sarah Kendrew
- Brian Brooks
- Everett Schlawin
- Thomas BeattyLoic Albert

Goals

Discussion items

Time	Item	Who	Notes
	New group email list		JWST-TSOWG "at" maillist.stsci.edu
	Unexpectedly small TSO data and file segmentation		 In testing there was a TSO smaller then the 2G segment size that had been set. This caused the segmentation code to fail. NIRCam Grism Time Series, Duration= 258 seconds Option 1: Treat it as unsegmented exposure Filename will not have "seg" in it The TSO_VISIT keyword in the header is the best way to determine what data is time series, not the "seg" in the filename If you don't segment it, would you want the segment-related header keywords added, or not? Option 2: Treat it as segmented exposure Consistent naming convention for all TSO data (all with "seg" in them) Down-side that the data will be labeled as segmented data, but there is only one segment Decision to take option 2, we will have 1 segment for small TSO.
	JSOCINT-118 "Allow Multiple Exposures of NIRSpec Bright Object Time Series"		 The ability to create more than one exposure per visit was only missing in the NIRSpec BOTS template. For bright sources and thus short integrations (low number of groups) one exposure will not be long enough to cover the entire transit or phase curve for the target -> therefore the need for more than one exposure Topic discussed at PPS/DMS meeting There are two options (either OSS changes their scripts or APT makes changes) Final decision hasn't been made. Likely that it will end up being handled in the front-end (easier to implement for APT than OSS, but less efficient) Will NOT have a TA at the start of the second exposure, exposures will be contiguous
	Calibration Pipeline		Optimal algorithm prioritization Enhanced Pipeline - Development Priorities Spectral background subtraction Rank = 1 Recentering during aperture photometry Rank = 1 "Optimal" spectral extraction Rank = 1.5 Meeting Dec 11th to discuss Sarah Kendrew and Kevin Stevenson to meet next week to discuss plan for unit testing/validation of TSO pipeline Will seek input from WG once we have a baseline plan No coding at this point, only need list of items to validate
	Precise Timing with FPE	Brian Brooks	 John/Brian gave presentation at Oct DMS_TSO meeting https://innerspace.stsci.edu/display/jwstdms/2018-10-30+++JWST+DMS+Time+Series+Observations See last meeting's notes (2018-10-01 TSO WG Meeting notes) for details New/more mnemonics identified Making progress on Notebook Brian Brooks to provide link Goal is to write up a technical report by mid-Jan

MIRI JPL Test	Dan D.	Goals:
		Characterize and mitigate ramp Provide recommendation on fluence
		Last Meeting:
		 Previous results showed large ramp, attributed to BB source Currently conducting tests with LED
		New results to come next meeting

Action items