2023-09-20 TSO WG Meeting notes

Date

20 Sept 2023

Attendees

- Brian Brooks
- Sarah Kendrew
- Everett Schlawin
- Knicole Colon
- Leonardo Ubeda
- Nikolay Nikolov

Apologies

- Elena Manjavacas
- Jeroen Bouwman

Agenda

- News & Announcements (all)
- Previous and upcoming TSO observations (Nikolov)
- FY2024 TSO plan timeline (Nikolov)
- Instrument roundtable check-in (all)

Discussion items

Time	Item	Who	Notes
5min	News & Announcements (all)	Nikolay Nikolov	Nikolay Nikolov mentions that he has fully moved from the NIRCam to NIRSpec instrument team (STScI branch).
10min	Previous and upcoming TSO observations	Nikolay Nikolov	Nikolay Nikolov presented archived, scheduled and flight ready observations for the past and upcoming two weeks. Also discussed that two of the upcoming observations are redos of guide star failures owing to inaccurate magnitudes and positions of guide star catalogs. Brian Brooks mentions that some issues with the DAs are in fact guide star issues. Everett Schlawin points out that observation 1185 had an issue, but not picked by the TSO Monitor webpage. Nikolay Nikolov shows that the observation is in thewebpage, but since there was no time tag assigned, it did not appear in the list. He will make a modification of the code to resolve the issue.
20min	FY2024 TSO plan timeline	Nikolay Nikolov Nestor Espinoza	Nikolay Nikolov presented a plan timeline with TSO tasks to be completed in FY2024, along with assigned names to ten members that will lead and/or contribute: • Pipeline validation (all-year long) ◦ Data set selection and test definition NE, NN, MR ◦ Notebook writing for each SI: NE, NN, LU, SK ◦ Perform pipeline validation: LU • Systematics investigation (first 3/4 of year) ◦ Write charge migration TSO document: LU, NE, NN ◦ Investigate MIRI ramps: NE, SK ◦ Investigate NIRSpec visit-long ramps: NN, LU, MR ◦ Write 1/f characterization document: NE • Algorithm implementation (second half) ◦ TSO CR detection: NN, MR ◦ 1/f noise suppression for TSOs: NN, NE, LU, MR
10min	Instrument roundtable check-in	Brian Brooks Sarah Kendrew Leonardo Ubeda Nikolay Nikolov	NIRSpec: Leonardo Ubeda prepared TR draft on detector linearity. NIRCam: reviewed JWQL needs MIRI: new method for removal of sinusoidal variations in TSOs

Action items

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