2020-05-06 TSO WG Meeting notes

Date

06 May 2020

Attendees

- Nestor Espinoza
- Brian Brooks
- Sarah Kendrew
- Tony Keyes
- Nikolay Nikolov
- Stephan Birkmann

Goals

- Discussion on final goals/priorities for FY2020 for the WG on Q3+Q4.
- Update everyone on the WG on the different TSO activities going on on the different branches.

Discussion items

Time	Item	Who	Notes
	1. News & announcements	Everyone	■ Nestor Espinoza mentions that an exoplanet consulting expert might be joining STScI during the summer. This person might help out with some planning and discussions on TSO-WG related matters like, for example, task 4.6a in our FY2020 planning. Nikolay Nikolov mentions this tool could already use the already coded/in hand tools (e.g., JWST Calibration Pipeline) — idea would be for that to be included in that discussion, along with all the details on the tool planned in task 4.6a so we can just hand it over to the JWST QL project, and help out as consultants to it.
25min	**2. Fiscal Year 2020 plan discussion & updating**		
	General comments	Nestor Espinoza	■ Sarah Kendrew and Nestor Espinoza updated FY2020 plan. Main changes: we are relying on the high-priority branches are putting on performing simulated datasets, and providing resources for pipeline calibration, testing (3.1a) and documentation (3.1b) for TSO modes. There's also a separate table with proposed FY2021 tasks. Brian Brooks asks if each of those latter tasks should have a Jira ticket associated to them — Sarah Kendrew proposes that no, and that those tasks will be eventually discussed re-prioritized (and ticketed?) on FY2021.
	Cross-instrument TSO tasks	Everyone	■ Sarah Kendrew and Nestor Espinoza had meetings with DMS team leads (Rosa Díaz & Alicia Canipe). With Rosa, meeting involved discussion on jitter files: turns out the will be available in a very nice format (see innerspace for meeting notes on that). Our (Nestor Espinoza) job: document that format, what engenieering files are relevant for TSO users and how to extract information from those files. As for the meeting with Alicia, we got updates on the Optimal BS task — still has not reached high-priority, therefore, still in development. Will change the status of this once a decision is made on the DMS side (defined by branch priorities). Nikolay Nikolov asks if this part of the pipeline account for trace curvature like, e.g., NIRISS/SOSS. Nestor Espinoza answers that currently no, but this is being worked out by NIRISS/SOSS champions (Joe Fillippazzo). ■ Also, update on task 4.5a (report brightest pixel value on the ETC): done! This is on the ETC side now, and on the list of things to implement for build 1.6. ■ Nikolay Nikolov and Brian Brooks will eventually reach out to this WG to present on task 4.3c (times with FPE clock).
	MIRI task updates	Sarah Kendrew	■ Update on the RSCD changes: currently ongoing estimate on how much effort this will take to be done system-wide. In any case, Nestor Espinoza mentions that PandExo anyways assumes a reset frame for MIRI.
30min	**3. TSO activities per instrument team**		

5min	NIRISS activities/updates	Nestor Espinoza	WASP-18b comissioning program was approved in PIT meeting today. Nikolay Nikolov asks about whether there is a policy for not publishing anything interesting that might come out of that dataset. Nestor Espinoza reports that they don't expect anything interesting (because scale-height is very small in transit for the planet), but if they do see something, as an STScI policy they will not publish it. Data will become available after for the community to use, however.
15min	NIRCam activities /updates	Brian Brooks Nikolay Nikolov	Based on the previous discussion, Nikolay Nikolov mentions in NIRCam they will be using an eclipsing binary for a similar test. Sarah Kendrew is interested on the eclipsing binary being used by NIRCam; would be good if Nikolay Nikolov (and/or Brian Brooks) could share the info of that target with her.
5min	NIRSpec activities /updates	Tony Keyes	
5min	MIRI activities/updates	Sarah Kendrew	
	Closing remarks of the meeting		

Action items

- [ ] Nestor Espinoza will document on a TSO-friendly format the status of the jitter files.
- [ ] Sarah Kendrew and Nestor Espinoza will reach out to the WSMO to define whether simulated datasets should be shared with the community, and what is the priority of that.
- [x] Nikolay Nikolov and/or Brian Brooks will share the eclipsing binary target name with Sarah Kendrew .