

2019-11-26 Planning for the S20A Cycle

16:00 Eastern; 13:00 Project/Pacific Time. bluejeans.com/426716450

Attendees

- [Merlin Fisher-Levine](#)
- [Andrés Alejandro Plazas Malagón](#)
- [Christopher Waters](#)
- [John Swinbank](#)

Notes

We identified three priorities for CPP development during the S20A cycle (December 2019 through February 2020).

Prepare to use DM tools to commission the system

- Track all tests that the Camera team are carrying out on BOT data.
 - This has started at [Camera \(electro-optical\) and DM tests on BOT data](#).
- Identify those tests which are of significant interest.
- Reproduce their results using DM tooling on equivalent data at the LSST Data Facility.
 - "Equivalent data" may not necessarily mean BOT data; it may be easier to draw from ComCam.
 - DM tools may need to be developed, rather than simply run, to execute the test case.
- In parallel with developing and running code to generate calibration products as part of this, scripts and procedures should be developed to perform verification/sanity checking on the results.
 - Following in the directions set by [LVV-57](#) / [DMTN-101](#).
- We expect this work to (ultimately) be the main priority of (at least) [Andrés Alejandro Plazas Malagón](#) & [Merlin Fisher-Levine](#).

Auxiliary Telescope pipeline development

- AuxTel should be on sky in ~February 2020, but the initial priority will be to use it as an imager.
- We have agreed in principle that LSST will fund 50% of a graduate student in France to work on spectral data reduction. However, that student won't start until autumn 2020, and their existence depends on successful recruitment.
- Current development effort to bootstrap an LSST pipeline based on Spectractor is nearly complete: [Merlin Fisher-Levine](#) believes he can have something up and running with a couple of weeks of work. We agreed that he should go forward with that. Further spectroscopic pipeline development will be placed on hold pending recruitment in France.
 - Merlin will produce a functional pipeline in the Gen 2 middleware, then provide it to [Christopher Waters](#) for porting to Gen 3. Merlin & Chris will collaborate to make sure that the Gen 3 pipeline is properly tested in CI so that it is robust against future changes to middleware or other underlying infrastructure.
- We expect that some level of effort may be required by the CPP team in support of AuxTel operations (ie, generating AuxTel calib products, or fixing up pipelines), but this should be minimal.

"Generation 3" porting


- [Christopher Waters](#) reckons that all of the "simple stuff" is just about Gen 3-ready at this point.
- However, more effort is required to get cp_pipe and (ultimately) atmospec / Spectractor running in the Gen 3 system.
- [Christopher Waters](#) will take the lead on this, and will start regularly attending our Monday meetings.


Next steps


- [Andrés Alejandro Plazas Malagón](#) :
 - Finish existing technical tickets which are in progress. This looks to include:

-  [DM-19903](#) - Jira project doesn't exist or you don't have permission to view it.

-  [DM-18749](#) - Jira project doesn't exist or you don't have permission to view it.

-  [DM-21221](#) - Jira project doesn't exist or you don't have permission to view it.

-  [DM-21786](#) - Jira project doesn't exist or you don't have permission to view it.

-  [DM-20070](#) - Jira project doesn't exist or you don't have permission to view it.

is not a priority for now; put it on hold

(mark it as "todo").

- Make sure the [Camera \(electro-optical\) and DM tests on BOT data](#) page is up to date, then use a Monday-morning-meeting to discuss it and choose a first test to start working on.
- Not expected to start working on other Gen 3 conversion tasks unless aspect by [Christopher Waters](#).
- [Merlin Fisher-Levine](#) :
 - Focus on getting Spectractor to a basically-working level.
- [Christopher Waters](#) :
 - Enjoy vacation.
 - Then take the lead on the Gen 3 conversion effort.