

A faint, light-colored technical drawing or blueprint of a large circular structure, likely the LSST dome, is visible in the background. It shows concentric circles, radial lines, and various mechanical details.

Second OPS Rehearsal(s?)

Robert Gruendl

Rehearsal Outline



With on sky operations timing is now driven by nighttime observing:

Afternoon

- (Obs): Mock transmit calcs to LDF for ingest and processing
- (LDF): Generate nightly calibrations
- (All): Afternoon standup operations meeting
- (SciOps): Select configuration and calibrations

Night

- (Obs): Observing/engineering... transmit science exposures
- (LDF): Prompt processing runs throughout night
- (Obs): Nightly report

Morning

- (LDF): Morning: Generate feedback on processing (for next stand-up)
- (SciOps): Examine input/output products from observations
- (SciOps): Generate QA/feedback on processing (for next stand-up)
- (All): Monitor progress of nightly “campaigns” characterize, assess failures, diagnose issues, generate problem backlog
- (All): Create Nightly report
- Repeat (3 times?)

Final standup meeting to assess current status

Second OPS Rehearsal



To better understand the communications and processes that are needed among distributed staff/facilities in support of facility commissioning with ComCam.

Current Plan:

- Nominally April? 2020
- Personnel:
 - SIT-Com: Tiago, Patrick, Brian (possibly Michael Reuter for EFD)
 - Data Production/QA : Lauren , [Yusra AlSayyad](#), others?
 - Data Production Facility : Michelle B, Robert G, Monika A
- Use AuxTel/LATISS imaging/spectroscopic observations
 - Data Transfer (summit to base... or summit to NCSA):
 - Hopefully new parallel rsync (but can fall back to current rsync w/ cron),
 - Also, have transfer to OODS at Base.
 - Transfers for both have been working for initial runs.
 - **Currently expect 40 Mb/s? (summit to NCSA)**
- **Pipelines:**
 - **Calibrations Products Pipelines (CPP) or canned set of cals?**
 - **ISR (from Merlin?)**
 - **Spectral Extraction?**

Second OPS Rehearsal



What can be tested:

- Data Transfer (summit to base and/or summit to NCSA):
 - Possibly to an OODS at base
 - Emergent NUBLADO at the base?
- Processing pipelines
 - Assumes a basic pipeline(s) are ready for LATISS
 - Still uncertain whether this can be Gen2/Gen3 driven
 - As a stretch goal could attempt to exercise a form of “Prompt Processing” (i.e. process on arrival)
- LSP/NUBLADO at LDF for data evaluation and quality metrics

Second OPS Rehearsal (reprise)

ComCam on the summit test stand:

- Test raft scale data transfer
- Raft scale data CPP
- Calibration QA

This is going to happen no matter what so not clear that it should be encompassed in a rehearsal.

Third OPS Rehearsal



Nominally to provide for operations in support of facility commissioning of LSSTCam.

No planning beyond the assumption that it will entail “real” observing with ComCam or LSSTCam on the {name TBD} telescope at the Vera Rubin Observatory.



