



# DM-Science F22A/B retrospective and plans

2022-10-19/20

DMLT - vF2F 2022-10-19/20

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U.S. DEPARTMENT OF  
**ENERGY**

**SLAC**

CHARLES AND LISA SIMONYI FUND  
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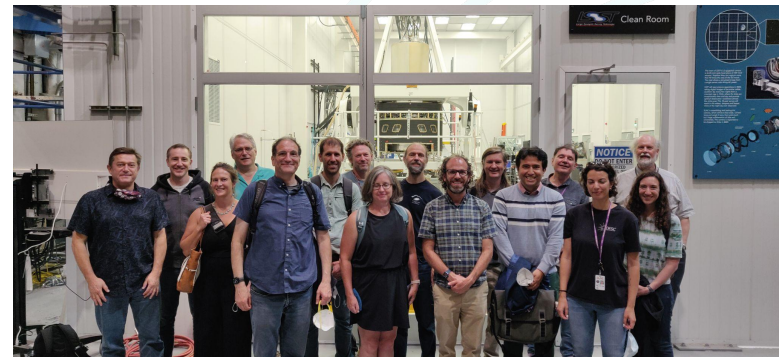
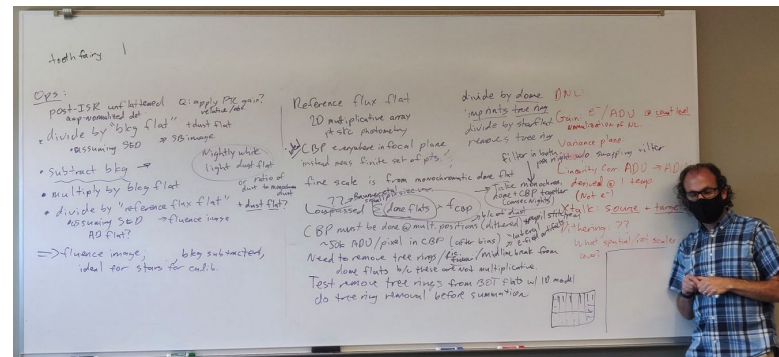
- Strong focus on acceptance testing:
  - [LDM-503-RSPa](#) (Science Platform ready for DP0.2)
  - [Data Management Acceptance Test Campaign](#) #1 based on DP0.2 data
- [DMTN-226](#) - AFS plans & partnership with ANTARES to provide the AFS
- [DMTN-228](#) - Studied plans for measuring faint DIA sources (DMS-REQ-270)
- Reviewed user facing interfaces to support per-source SED corrections in catalogs.
- Reviewed plans for compressed PVIs
- Reviewed periodicity timeseries features
- Worked with Keith to define science units and plans for commissioning SVV
- LCRs to remove obsolete network requirements and modify requirements on intermediate data products

# CalibPalooza

Hybrid 2-day workshop at SLAC to define the full end-to-end strategy for LSST calibration. About 20 people from across the project

- Reviewed terminology around calibration and calibration products.
- Rethought ISR order, purpose of flat fields, how to use monochromatic flats.
- What parameters do we want to get out of auxtel
- Consider a notch filter for auxtel spectroscopy analysis.
- How to make use of CBP data.
- Creating a separate "dust flat" from the dome screen.
- QA tools to verify the astrometric and photometric calibration.

Full writeup coming soon including an inventory of calibration products to provide to users



# DM Science

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- Wrap up LDM-503-RSPa and DM Acceptance Test Campaign #1
- Complete MoU with ANTARES for AFS
- Complete calibration end-to-end strategy, document and present to the PST
- Complete Special Programs requirements study
- Complete requirements on User Batch: DMTN-202
- Complete definition and flowdown of requirements on compressed PVI
- Many outstanding DPDD tickets to review and update DPDD
- LSST@Europe 2022 conference
- SC liaisons program continues.
- Pre-ops CET continues to pick up a lot of the community focused work.
- Collaborate with Commissioning SVV (Keith/Austin) on science V&V