



Architecture S21A Progress and S21B Plans

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LSST
CORPORATION

S21A Progress

Requirements and Design

- **Requirements traceability**
- Image services and regeneration design
- USDF specification
- Campaign management

Oversight and Release

- 21.0.0 release
- Release re-engineering
- **DMTN-104 and product tree evangelism**
- Ongoing test plan and verification work

Investigation and Coding

- Gen3 Middleware management and coding
- Build engineering and Conda packaging
 - rubin-env
 - newinstall/lsstsw/lsst-build simplification
 - **sconsUtils to conda**
 - Jenkins maintenance and prototyping including parallel test pipelines
 - GitHub Actions transitions and investigations
 - Debugging long-standing race conditions and other build problems
- OCPS

- Long-Haul Network data transfer debugging
- IDF transition
- USDF consulting

S21B Plans

Requirements and Design

- Image services and regeneration design
- USDF specification
- Campaign management

Oversight and Release

- Release re-engineering
- DMTN-104 and product tree evangelism

Investigation and Coding

- Gen3 Middleware management and coding
- Build engineering and Conda packaging
 - rubin-env 0.5.0 with fewer pins and hopefully eigen 3.4.0
 - newinstall/lsstsw/lsst-build simplification
 - Jenkins maintenance and prototyping
- OCPS
 - Deployment
 - Back-end scripting
 - Return values

Pre-Ops

- Long-Haul Network data transfer debugging
- IDF transition
- USDF consulting