

Rubin Observatory

DAX End of F20 Status/Plans

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DAX Recent Progress

- Migrated RSP catalog service to small Qserv cluster at NCSA
- New SODA service deployed for RSP
 - Backed by BG3
 - ObsTAP converted HSC image metadata, stored in PostgreSQL
 - Started knowledge transfer Kenny -> Simon
- Qserv ingest worker pull-from-object-store support
 - Enables 1-part “point-and-shoot” workflow for ingest of HSC reprocessing runs
- Ongoing DESC DC2 ingest trials at CC-IN2P3
 - Now rate-limited by DESC’s GRCatalog
- Data synthesizer deployed with k8s to “large” Qserv cluster
- New MPI scale-testing harness developed for Qserv (“kraken”)
- Ongoing support to G3 middleware effort (~1.5 FTE)

DAX Plans for S21A

- Qserv KPM50 scale tests and downstream fixes
- APDB scale tests (Google)
- Complete SODA knowledge transfer
- Continue to support MW development
- Finish up Qserv build retooling
- **Support DP0 at IDF (ops activity)**