



DAX Mid S21 Status/Plans

Fritz Mueller

Slac National Accelerator Laboratory
Rubin Observatory Data Management



U.S. DEPARTMENT OF
ENERGY

DAX Recent Progress

- 80 TB synthetic test catalog created on large Qserv cluster at NCSA
 - Used new distributed data synthesizer
 - Includes time series data; conforms to core of anticipated LSST schema
 - ~13.5 billion Objects, ~133 billion Sources, and ~444 billion Forced Sources.
- Ongoing ingest system enhancements, including dashboard instrumentation and prototype integration with Argo workflow system
- Support for DESC data products in Qserv at CC-IN2P3
- APDB scale testing per presentation
- Ongoing support to G3 middleware effort (~1 FTE)
- Google Qserv deployments and ingests in support of DP0.1 (ops activity)

DAX Plans for S21B

- Qserv scale and performance tests
- Qserv features in support of RSP services:
 - End-user ingest API
 - Query classification and progress API
- Finish up Qserv build retooling
- APDB API evolution
- Continue to support MW development
- **Support DP0.1 and DP0.2 at IDF (ops activity)**

Farewell and thanks to Kenny Lo! Kenny has moved on to a new group at SLAC, effective February 1.