DAX Recent Progress

- Streamlined Qserv release process (GHA release builds, GHA integration tests, fewer repos/packages)

- Many improvements to Qserv operability and ingest tooling in the course of DP0.2

- DP0.2 ingest at IDF nearly complete (all tables in, index creation ongoing as we speak)

- Qserv learned some new tricks: some new photometry UDFs, and spatial-index accelerated point-in-polygon queries

- In concert with DRP and SQuaRE, we broke the catalog metadata bottleneck (yay!)

- Ongoing support for MW (Andy S., Nate Pease)

- Ongoing support for T&S M2 (John Gates)

- USDF planning efforts (Fritz)

DAX LCR: extend Qserv construction through FY23

- DAX was planned to have transitioned entirely to ops by end of FY22, but we have now LCR'd additional .5 FTE through FY23 (John Gates, Qserv). This allows us to define a more rational construction endpoint for Qserv.

- FY23 Qserv construction activities will be focused on adding support for user-generated data products (in concert with the rest of RSP) and development and execution of a comprehensive acceptance testing plan.

	FY20	FY21	FY22	FY23
FTE Constr.	6.68	2.18	0.66	0.50
FTE Ops	0.00	3.72	4.69	4.75
FTE Total	6.68	5.90	5.35	5.25

DAX S22 Plans

- Qserv front-end / czar scaling

- Qserv continued ingest and monitoring improvements (DP0 lessons learned)

- Qserv docs refresh

- Qserv build out at USDF

- Qserv user-generated products design work

- APDB -> PPDB design and prototyping

- APDB build out at USDF

- Support DP0.2 at IDF

- MW support (.5 FTE Andy S.)

- T&S support (.5 FTE John G.)

- USDF support (Fritz, Andy S. for APDB build out)