

S20A HIGHLIGHTS & S20B PLANS

DMLT vf2f Feb 2020

SQuaRE



Large Synoptic Survey Telescope

2020-02-27

C ← → D

S20A highlights: developer movements

Adam

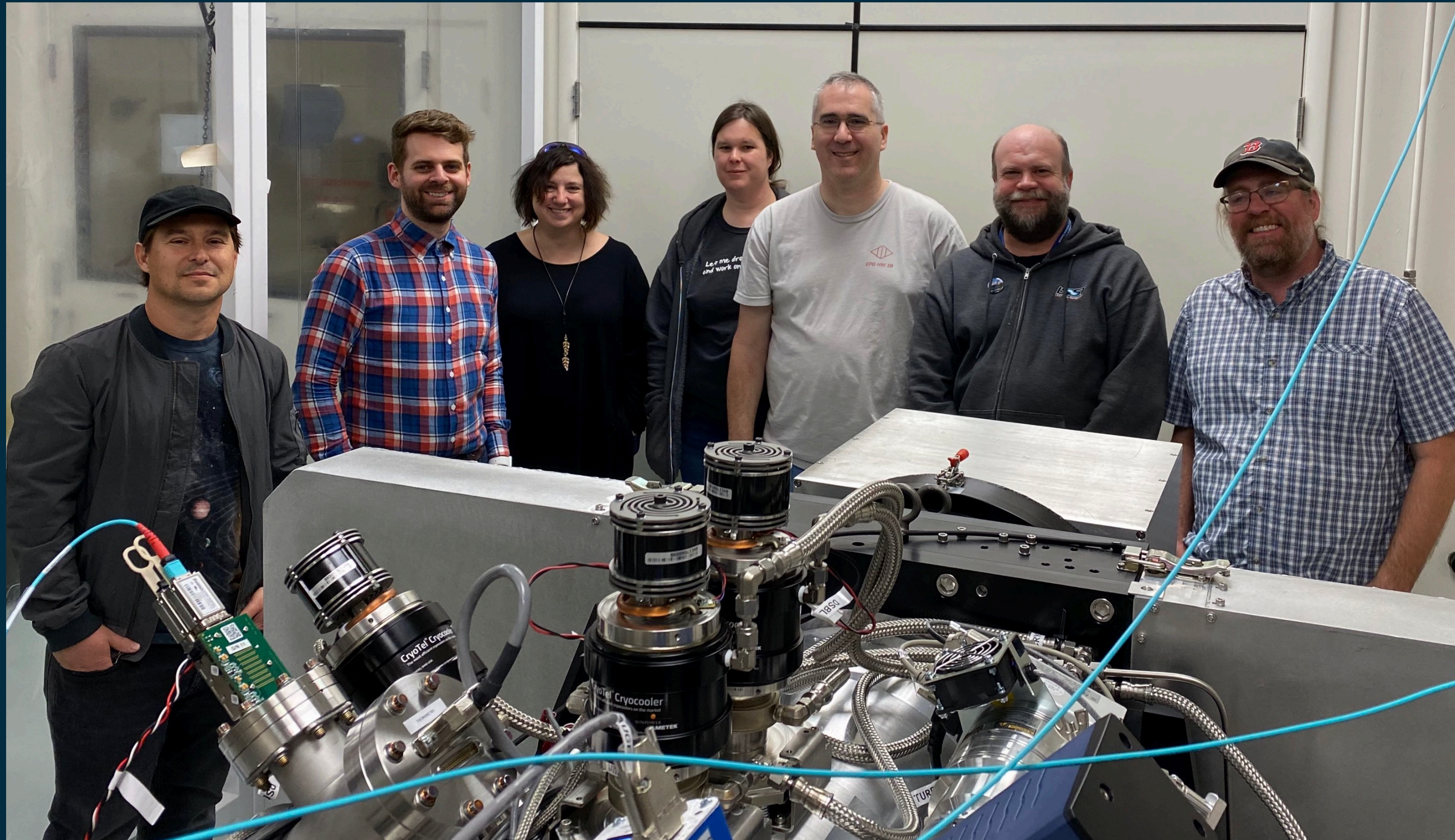
Angelo (+ EFD S20A highlights \Leftarrow TS&S)

Jonathan

+ Christine (+ LSP API \Leftarrow DAX)

- Josh (- build job babysitting \Rightarrow Arch)

+ Russ (+ A&A \Leftarrow Arch)



C \leftarrow \rightarrow D

S20A highlights: Infrastructure

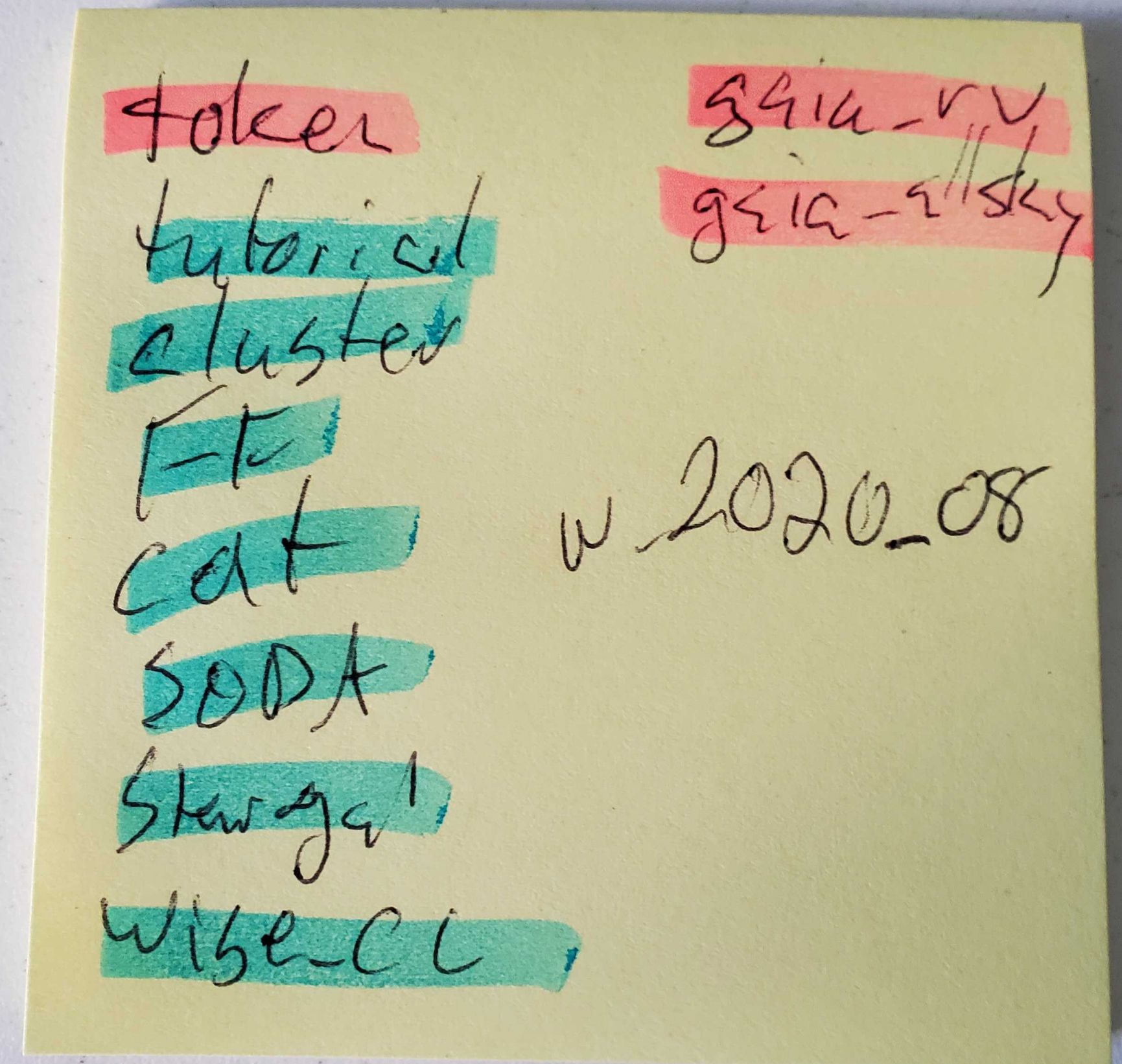


- Doxygen/C++ Pipelines documentation (takes one, two and three)
- ArgoCD (SQR-035 implementation) at every major target site
- EFD -> ArgoCD
- Vault -> ArgoCD
- Safir -> Apps/Bots templating for Roundtable
- ghslacker -> Roundtable
- SQR-037, DMTN-112 (refresh), roundtable.lsst.io, safir.lsst.io

The screenshot displays the ArgoCD web interface for the 'science-platform-stable' application. The top navigation bar includes buttons for 'APP DETAILS', 'APP DIFF', 'SYNC', 'SYNC STATUS', 'HISTORY AND ROLLBACK', 'DELETE', and 'REFRESH'. The main content area shows the application's status as 'Progressing' and 'Synced'. A 'synchronization' section indicates a successful sync to HEAD (bd46b53) on Jan 07, 2020. Below this, a diagram shows the 'science-platform-stable' application branching into several sub-applications: 'landing-page', 'logging', 'nublado', 'nublado-users', and 'portal'. Each sub-application has its own status indicators (sync, health, and kind). A sidebar on the right provides filters for 'Sync' (Synced, OutOfSync), 'Health' (Healthy, Unhealthy), and 'Kinds' (all, none), with 'Application' selected.

S20A highlights: Science Platform

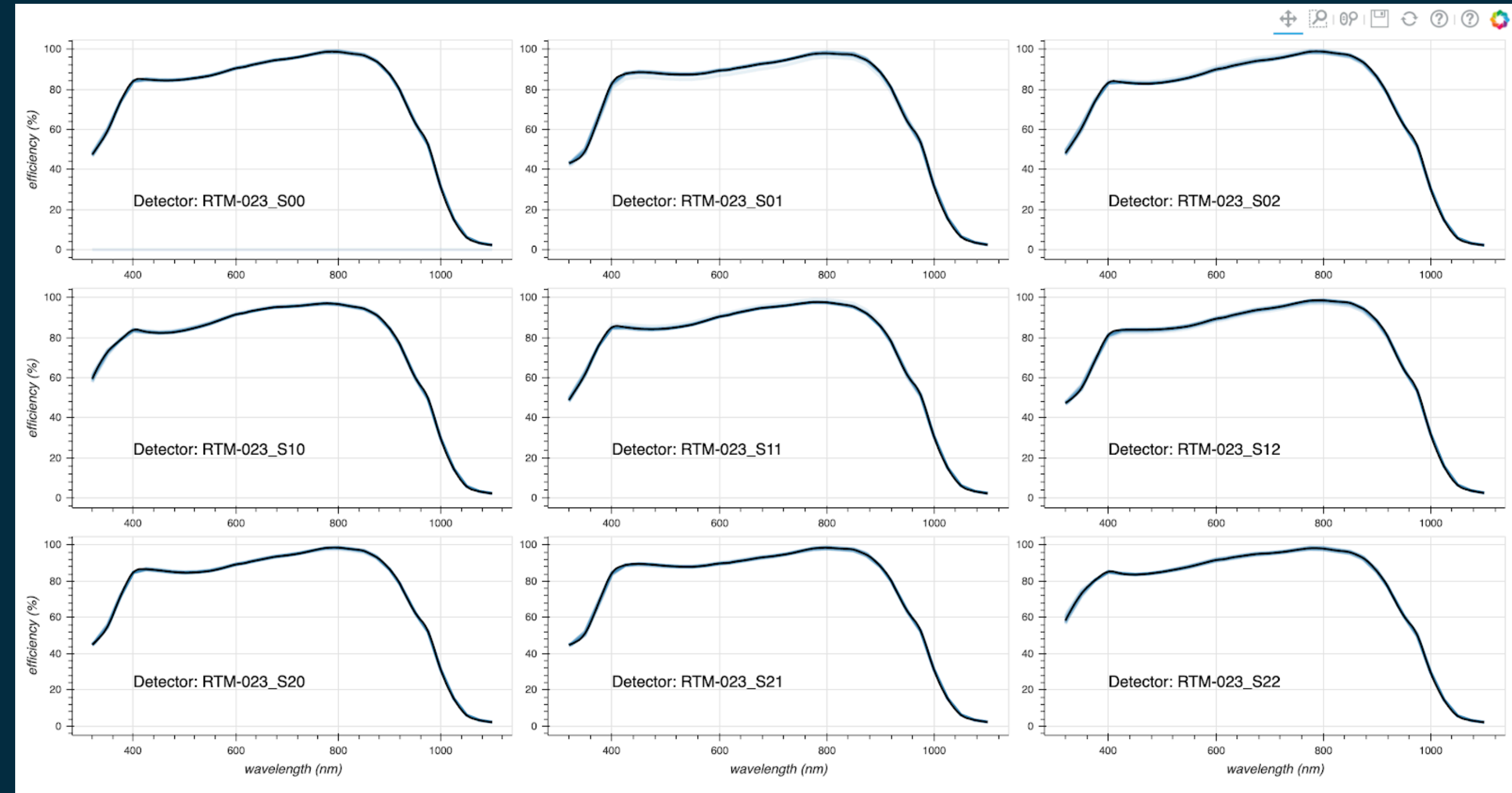
- Major spawner refactoring completed and deployed, upstreaming in progress
- Headless notebook execution (Simon CI, "batch" usecase)
- Deployed and passed Simon CI in 3 DOE Labs in 3 days
- Candidate OBS-TAP is up (postgres/pgsphere)
- All Services deployments controlled by ArgoCD



S20A highlights: EFD



- Four operational deployments including for real at the Summit
- Scaling with real + M1/M3 simulator working well on 1 node
- `private_snd_timestamp`
- Commissioning-oriented notebooks
- `efd_client`
- Good faith attempt to get LDF replicator up
- Identified terminology problem
- SQR-034, SQR-38



- Science Platform: notebook CI UI + headless nublado
- All services including LSP: scale testing, performance verification, define throttling architecture (this will make work work...)
- LDF (“replicated”) EFD deployment
- nublado at the summit

*LDF non-decision is a velocity risk
Summit Involvement is a focus risk*

- JS9 / Ginga bake-off
- Influx 2.0 / Annotations API for Commissioning
- LSP security analysis
- LSP API-SUI parity, receive SODA from DAX
- Nublado annoying issues (prepuller, tokens, culler)
- Github Actions
- More services to Roundtable/ArgoCD
- Do something about lsp-int contention