



Science Platforms

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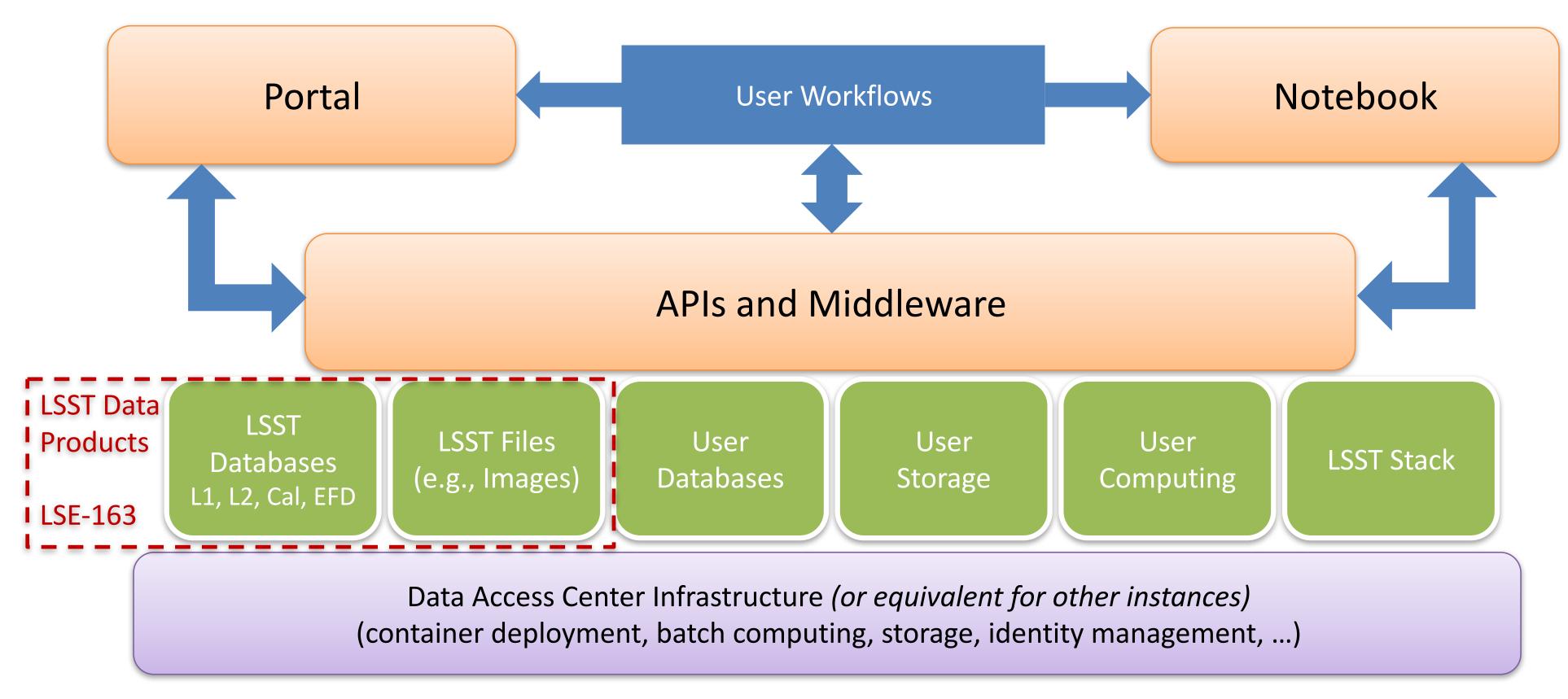
ASTRON (Netherlands Institute for Radio Astronomy) AENEAS Plenary Meeting, Granada, October 19, 2017



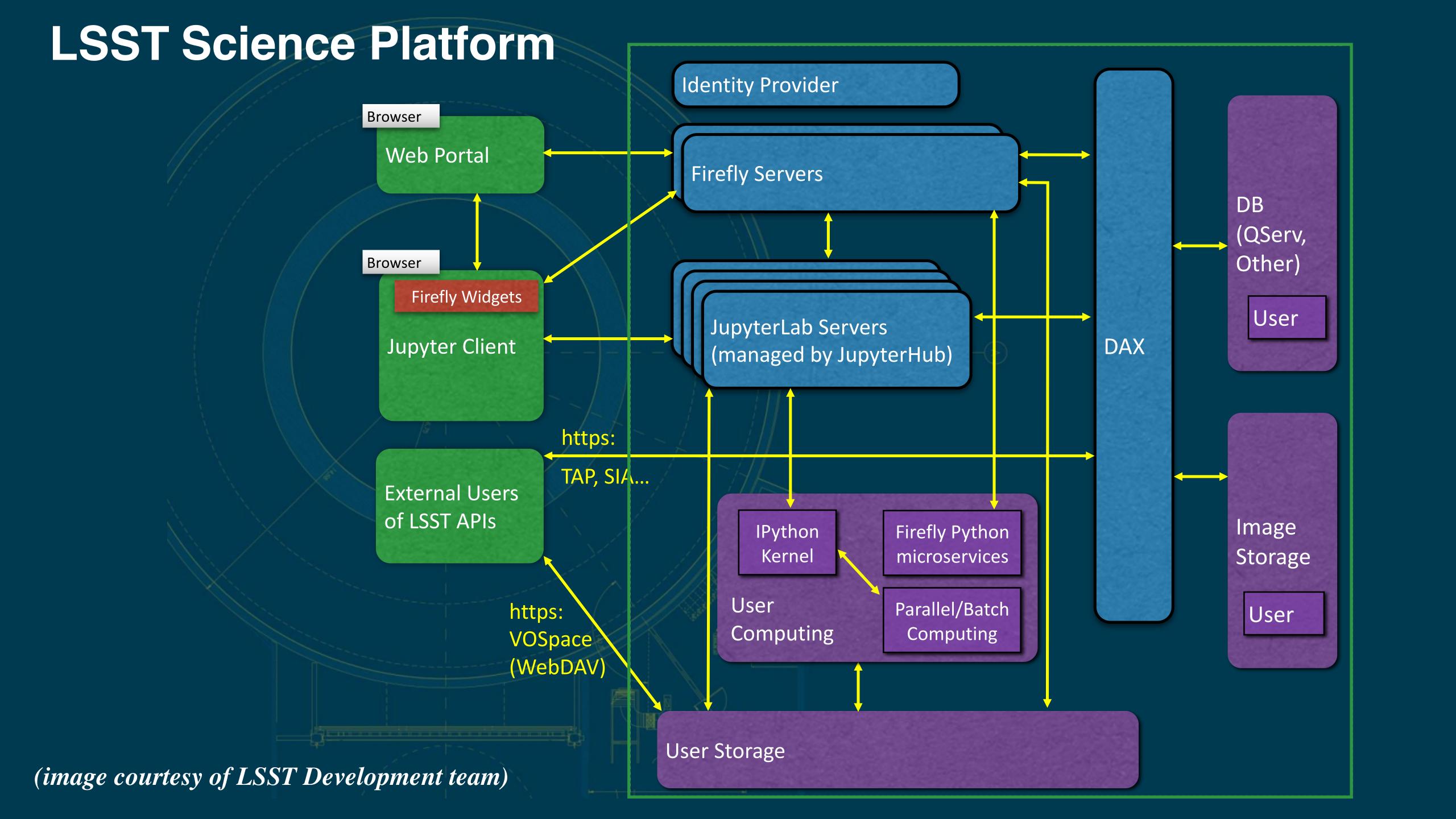




User Science Platform



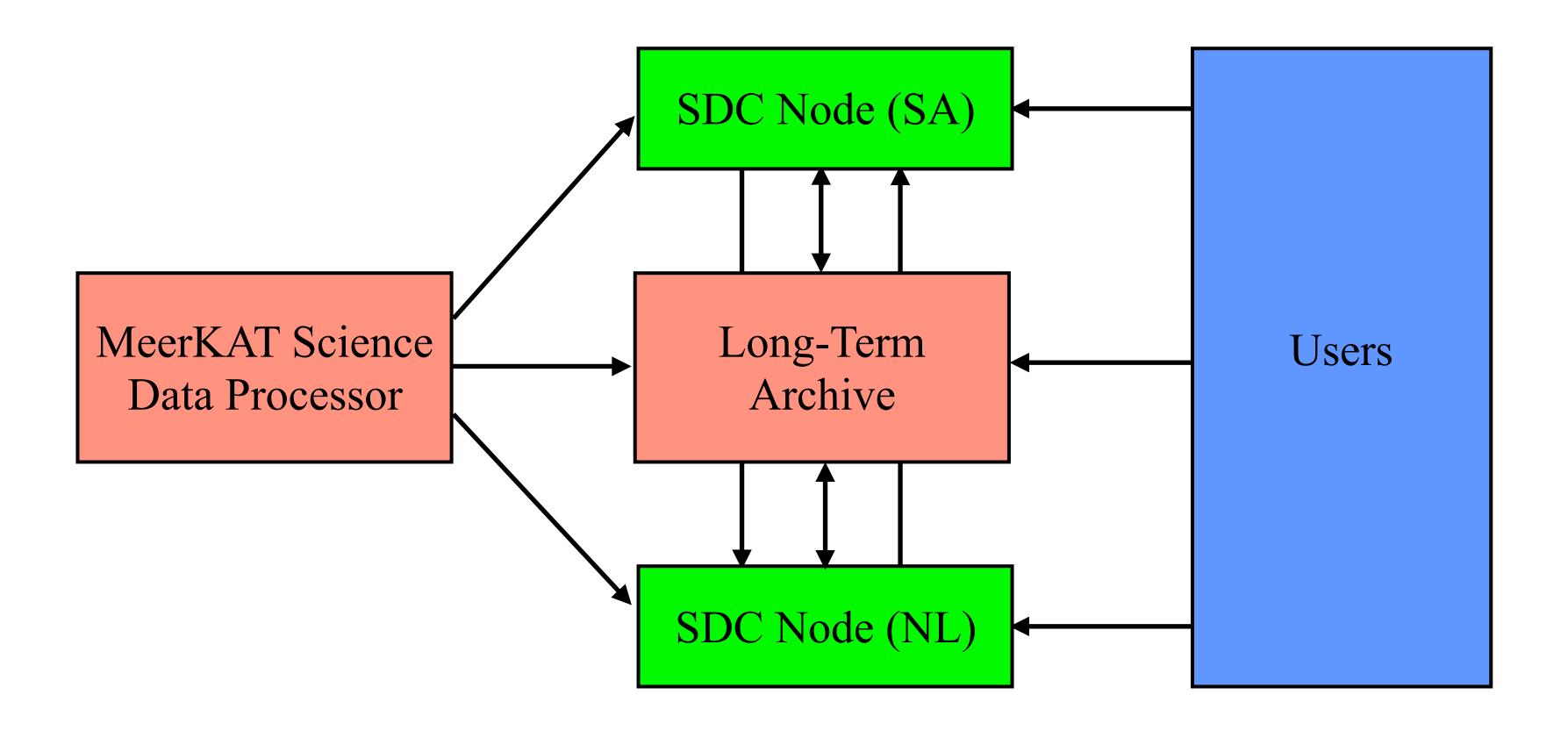
(image courtesy of LSST Development team)







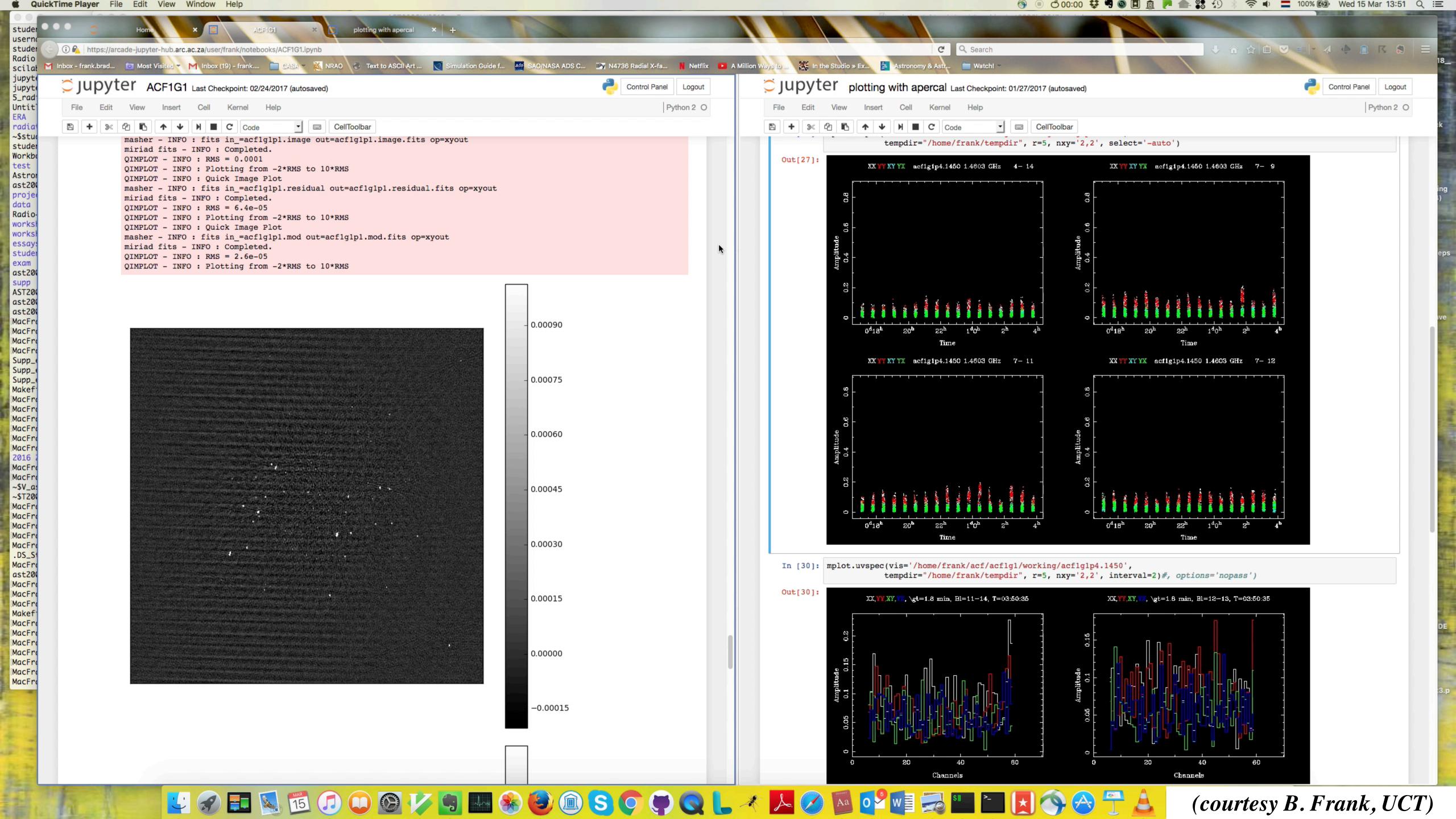
MeerKAT SDC Prototype



Ongoing collaboration between ASTRON, IBM, and SKA-SA

Funding from NWO, ASTRON, IBM-DOME, IDIA, and SKA-SA

- Cloud-based processing
- User analysis platform
- Platform for prototyping
- Online in Q4 2017



SWAN



- Provides a web-based analysis facility via notebooks
- Transparent access to scalable back-end analysis infrastructure
 - Clouds, Spark, Hadoop, ML, etc.
- Performance is defined by the infrastructure
- Provides the analysis portal in a "data cloud" or "data lake" model



