

AP Plans: S19

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Large Synoptic Survey Telescope

Testing the AP Pipeline

- Eric, Meredith; support from Chris, Ian, Gabor.
- Measure false positive rates and runtime on HiTS and / or DES SN fields.
- Eyeballing the data, investigating failures, and using them to inform future development.

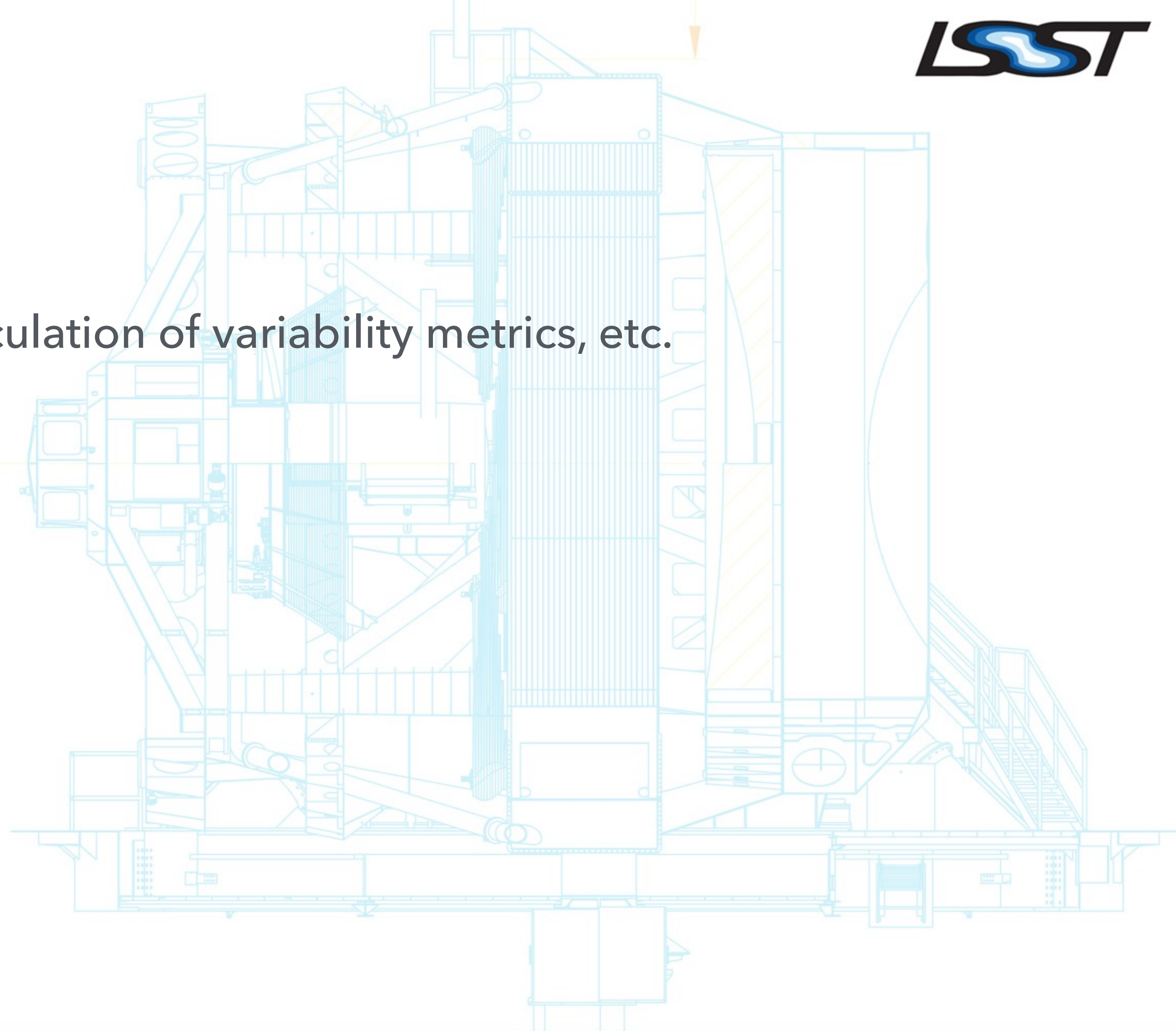


Image differencing development

- Gabor joined the team recently; taking ownership of the ip_diffim codebase
- Over the course of this cycle, he will:
 - Develop an understanding of the codebase
 - Develop an understanding of the algorithms
 - Resolve outstanding tickets / cleanups / bug reports
 - Act in support of the pipeline testing activities
- Ultimately, the aim is that he's developing the expertise to handle the RHL (etc) queries re differencing.

AP Catalog Algorithms

- Chris.
- Improved source association, calculation of variability metrics, etc.
- Interfacing with the PPDB.



Differential Chromatic Refraction

- Ian.
- Testing of the DCR mitigation approach on realistic datasets.
- Extension to variable PSFs.
- Act in support of the pipeline testing activities

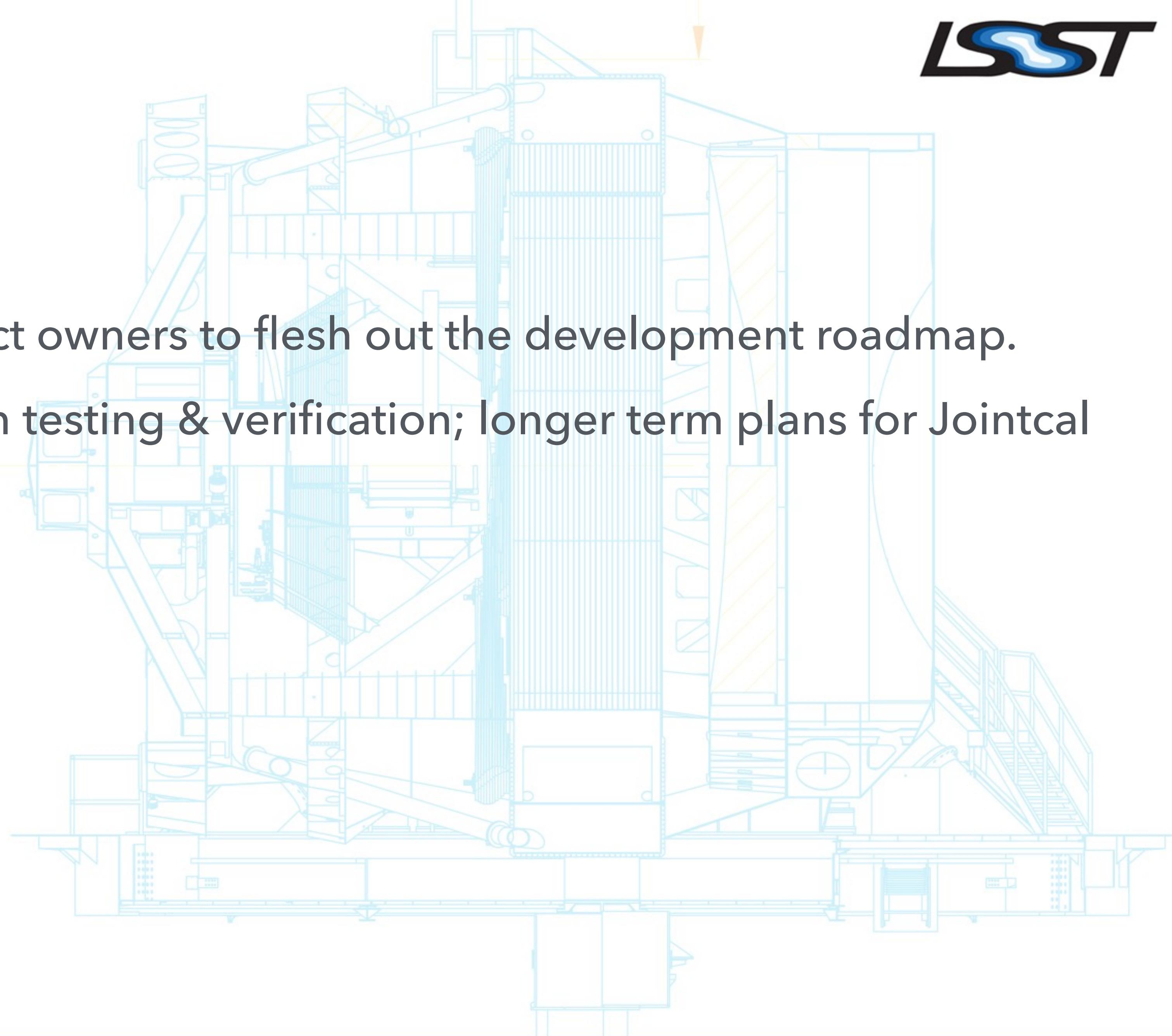


MOPS

- Siegfried, Joachim, Mario.
- MOPS development now (re) starting, with both Siegfried and Mario getting involved in the last few weeks.
- Aiming to LCR new plans for MOPS towards the end of this year.
 - Will involve the Minor Planet Center computing the orbit catalog, based on tracks submitted by LSST.
 - Will require sign-off by DM Architecture & Science.
 - See DMTN-087 for details.
- Currently iterating with the MOPS team on longer term goals for S19.

Jointcal

- John P.
- Need to get together with product owners to flesh out the development roadmap.
- Expect that this cycle will focus on testing & verification; longer term plans for Jointcal are fuzzy.



Engineering

- Krzysztof.
- Able to take ownership of serious software engineering problems.
- Given yesterday's discussion, he's perhaps our best candidate to take long-term ownership of key middleware problems, but we'll need to have a serious discussion with him about what that means.