



# Status of Calibrations

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# Željko's Questions



- Status update for your distributed teams work
- Overall dev plan for the next year
- Whether the teams velocity over last half a year is consistent with that plan
- Plans for documents
  - technical design docs
  - docs to communicate to our stake holders
- Plans for finalizing schema for calibration quantities
- What is the plan for ingesting Gaia's GDR2?
- Are you really *pro tem*?



There's a lot of scope in "Calibration Products"

- Understanding the camera[s]
  - writing obs\_ctio0m9, obs\_ts8, obs\_comcam, obs\_lsstCam
  - characterising the camera once it's on the mountain
- Processing auxTel data to recover atmospheric absorption
- Generating calibration products
  - Processing CBP data
- Preparing to calibrate photometry:
  - Propagating atmospheric and instrumental  $Q_E$  curves into the photometry
  - Global calibration ("Übercal")



Available effort:

- 1.00 Merlin
- 1.00 Augustin
- 0.49 Eli
- 0.0x RHL
- ?..? Sophie



# Status update



Progress has been *painfully* slow.

- We are ingesting data at NCSA
  - monocam
  - CTIO 0.9m (ctio0m9)
  - test-stand (TS) data (ts8)
- Running EOTest scripts
  - almost done; very painful due to the camera team ignoring almost everything DM is doing



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  - test-stand (TS) data (ts8)
- Running EOTest scripts
  - almost done; very painful due to the camera team ignoring almost everything DM is doing
  - The blame lies on both sides, and at project level
- Slow progress on extracting Ronchi-grating slitless spectra
- *FGCM* is running on HSC data



I believe that the design I did, and Merlin transferred to LDM-151, is at an appropriate level.

There are some technical updates that I should make (e.g. reflattening images to flat  $\nu F_\nu$ ), but not at the DMLT level.



# Stake holders docs

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This is the LSE-180 question.





## Stake holders docs

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This is the LSE-180 question. The documents mentioned in the previous slide should be complete and reasonably accessible. If people need it clarified I can do that in response to specific queries. If someone wants to flesh it out they are welcome and I'll happily answer questions.



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For example, we are currently prototyping representations of the HSC filter's spatial structure using *FGCM*, and are prototyping filters-for-coadds with HSC.

HSC is an excellent test system, as we have strong spatial structures in the filters and have changed filters in the course of the survey ( $i \rightarrow i2$ ;  $r \rightarrow r2$ ).



## Ingesting Gaia DR2



I suppose we should get someone to do it (and GDR3 too) but this seems like micro-management to me at the DMLT level. Someone at UW ingested GDR1, and we need a story for doing GDR2 in April.



## Are you pro tem?



I am busy. I'll do the calibration work as it needs doing, but I am not willing to take on the job of dotting *is* and crossing *ts* (e.g. LSE-180). I am expecting to make sure that the system works, so in that sense I'm not just pro tem.