

Calibration meeting (TID/LCLS Ops) - 2/2/2023

Kick off meeting for the calibration group. The structure of the group, requirements and reporting needs are identified. First Task for the group is identified to be understanding the non-linear behavior observed for the small ePix10ka during the Dec calibration beamtime. The kick-off meeting slides and Philips results slides are attached below. The initial tasks and owners was identified as:

- Run 2x quads + 2x epix10k_small with: (*Kaz, Conny*)
 - Charge injection with: Standard registers + DVDD, 5sec, AVDD, standard length cables
 - Charge injection with: Standard registers + (reversed power startup sequence)
 - Charge injection with: Standard registers + DVDD, 5sec, AVDD, slightly lower voltage for one of the detectors
 - Charge injection with: Standard registers + DVDD, 5sec, AVDD, longer cables
 - Dionisio's HV pulser test (if available)? (*Dionisio, Kaz, Conny*)
 - Come to a conclusion whether we need to goto MFX and repeat. PJB + Matt Hayes needed.
- Look at day1 vs day2 DG2 wave8 intensity difference (*kaz*)
- Complete FH, FM, AML gain analysis (*Kaz, Philip*)
- Xaviet + Scott learns psana/python data retrieval + learn how to set things up in lab. (*Xaviet, Scott, Philip, Bhavna*)
- Understand why DVDD + 5sec + AVDD is needed (*Scott*)
- Register map + translation between ASC and TID. (*Scott + Philip*)



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