

# Calibration and characterization meeting (TID/LCLS Ops) - 1/11/2024

Attendance:

Agenda items:

1. Presentation on results for TID early next week (beamtime Feb. 10-11, dayshifts);
2. Status update:
  - a. Functional:
    - i. Possibility to change the gain modes in the 5 pedestal script;
      1. can go into the correct gains, now we have missing region of data;
      2. no longer long time between gain modes in pedestal scripts;
      3. verify fixes has propagated to mfx.
    - ii. Solving DAQ crashing issues;
      1. Dont take to long runs and ge started on proper connection to s3df.
    - iii. Bringing up gain calibration using florescence in the Marietta;
    - iv. Measuring temperature for the camera;
      1. No reply from Mike Brown; Philip re-ping.
    - v. Charge injection script.
      1. Matt is working on it. Need input from Dionisio.
    - vi. pedestals not correct
      1. Philip will produce script to find out which pedestals are beeing applied and give us access to the pedestal and gain maps.
  - b. Analysis:
    - i. Banding issue;
      1. register settings to change the banding handed over to Alex.
    - ii. CompEnOn stepsize;
    - iii. Gain and Offsets at different run and daq trigger rates;
3. Common mode noise in ePixHR (Philip)
4. Biweekly meeting to discuss particular topics? (Philip)
5. Linearity and gains for single pixel presentation (Conny)
6. CompEn variation and charge injection (Xavier)

Presentations:

[Single pixel spectral response for differet trigger rates.pptx](#) (Conny)

[Common\\_mode\\_intro\\_and\\_epixHR.pptx](#) (Philip)

Notes: