

CsPad dark generation and common mode setup for translator

Cookbook for setting up dark/common mode correction

detailed information can be found at:

[CsPad calibration in translator](#)

generate dark

psana -c cspaddark.cfg xtcfile

[psana config file](#)

setup for translator

- **generate directories**
mkdir /reg/d/psdm/cxi/cxi49812/calib/CsPad::CalibV1/CxiSc1.0:Cspad2x2.0/common_mode
mkdir /reg/d/psdm/cxi/cxi49812/calib/CsPad::CalibV1/CxiSc1.0:Cspad2x2.0/pedestals
mkdir /reg/d/psdm/cxi/cxi49812/calib/CsPad::CalibV1/CxiSc1.0:Cspad2x2.0/filter
- **move dark**
cp mini_r212.dat /reg/d/psdm/cxi/cxi49812/calib/CsPad::CalibV1/CxiSc1.0:Cspad2x2.0/pedestals/0-10.data
- **set common mode parameters**
0-end.data should contain something like: 1 50 10
that stands for 1 (correction active) 50 (max common mode value) 10 (allowed sigma for histogram fit in common mode calculation)
- **set filter**
0-end.data data could look like one of these lines:
1 100 1000 (100 strong spots required)
1 500 100 (500 relatively weak spots required)
1 100 10 (100 weak pixels required)
1 10 10 (takes pretty much anything - for tests only)