

# 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)*