

Analyses

Old notes: [Analysis 2010-2014](#)

References

- [HDF5 Explorer \(old\)](#) and its older version [HDF5 Event Display](#)
- [How to access HDF5 data from Python](#)
- [How to access XTC data from Python \(Ingrid\)](#)
- [Discussion of the histogramming package for psana](#)
- [ROOT as a histogramming package for psana](#)
- [PSHist - histogramming package for psana](#)
- [PSTime - package of methods for manipulation with time in psana](#)
- [2011-05-20 HDF5 Explorer.pdf](#)
- [CSPAD Geometry Software \(depricated\)](#)
- [CSPAD Alignment](#)
- [CSPad image producer in Python \(DEPRICATED\)](#)
- [CSPAD pixel coordinates and image producer in Python](#)
- [CSPAD2x2 Alignment](#)
- [CSPAD2x2 modules in Python \(deprecated\)](#)
- [Image analysis in Python](#)
- [Python, matplotlib, PyQt4, etc. tricks | C++ tricks | OS, batch triks | Cython tricks](#)
- [User requests](#)
- [FAQ \(David Schneider\)](#)
- [Building the psalg and pdsdata packages - old system \(Christopher O'Grady\)](#)
- [Users' Software Repository](#)
- [Doxygen - documentation generator for C](#)
- [Sphinx - documentation generator for Python](#)
- [psana - Module Catalog \(old\)](#)
- [psana - Module Examples \(old\)](#)
- [psana - Migration from pyana](#)
- [XTC Quality Check](#)
- [Common mode correction algorithms](#)
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 - [Common mode correction for Epix100a in exp=xppn4116:run=137](#)
 - [Common mode correction for pnccd in sxrx22915 run 104](#)
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- [Andor image processing](#)
- [Filter for cxi49012 runs grater than 133](#)
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- [Differential spectrum from Opal camera image](#)
- [XCorrAnalysis](#)
- [Command Line Interface For Time Correlation Analysis](#)
- [Data Processing for Time Correlation](#)
- [Weekly progress of the IDPE project for TCE](#)
- [Algorithms for Time Correlation Experiments](#)
- [Note on XCS code from Marcin](#)
- [Mask Editor](#)
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- [Fetching data from the database](#)
- [LogBookGrabber implementation with pyqt4](#)
- [To-do list](#)
- [Calibration management tool | developement notes](#)
- [2014-10-08 Detector Calibration.pdf - presentation at User's Mtgs](#)
- [CSPAD alignment using images of rings](#)
- [XTC Explorer Tutorial - for 2013-10-02 Users' meeting](#)
- [Detector Geometry - Implementation Notes](#)
- [XTCAV in psana](#)
- [Auto-generated documentation](#)
- [pnCCD | pnCCD processing pipeline | development | PNCCD alignment for SPI experiment amo86615](#)
- [EPIX, EPIX10KA, EPIX10KA2M and EPIX10KAQUAD, EPIX10KA2M References](#)
- [FCCD](#)
- [Andor3d](#)
- [Rayonix](#)
- [Make ndarray for ROI mask](#)
- [Hit and Peak Finding Algorithms | Test of Peak Finders | Test of Peak Finders - V2 | Test of Peak Finders - V3](#)
- [Adding Unit Tests to an Analysis Release](#)
- [Detector alignment tool](#)
- [Analysis of data for cxif5315](#)
- [Calibration Store, Detector Calibration Store, DEPRECATED - IT WAS NEVER IMPLEMENTED: Calibration Store for LCLS2](#)
- [CSPAD and CSPAD2x2 relative alignment in cxi86715-r112](#)
- [CSPAD geometry in mecj5515](#)
- [Radial Background Subtraction Algorithm](#)
- [Background Subtraction Algorithms](#)
- [Cross check of correction to optical metrology](#)
- [Igor: Flask, Redis](#)

- [mecana \(Deprecated\)](#) - notes on code research
- [Image processing algorithms for scikit](#)
- [Hutch Standard Configuration Projects:Hexanode detector library test, Experiment monitoring tool](#)
- [Lossless compression](#)
- [Common development tasks \(SVN commands\)](#)
- [David: Conda Release System, Building psalg, github/lcls-psana, Version control with git](#)
- [cpo: Geometry History, Gain History, Data Reduction Pipeline, Meeting Notes, L2S Issues: DRP SZ, DRP Lossless comp, Hexanode](#)
- [Optical Metrology Quality Check](#)
- [Jungfrau,Jungfrau naming and calibration files](#)
- [Hutch Standard Configuration Projects, Experiment Monitor, Experiment monitoring tool, Quad- and hex- anode detector monitoring software, Quad-anode test on real data](#)
- [Data sources selection GUI](#)
- [Adding Sphinx documentation to github repo, psalgos](#)
- [Pixel status in data, Bad pixel mask](#)
- [Code Development Cycle, successor of Psana Developer Documentation](#)
- [Auto-processing of data, Automatic Run Processing \(ARP\) \(Jakob\) Link](#)
- [MongoDB evaluation for calibration store](#)
- [Build lcls2 at NERSC | Build lcls2 in doca container](#)
- [DAQ Control GUI for LCLS2](#)
- [Detector for DRP](#)
- [Compound detector in LCLS Detector interface](#)
- [Set production and development environment](#)
- [Dark processing for LCLS2 area detectors](#)
- [LCLS-II Calibration DB, Private Calibration Constants](#)
- [Geometry converter between psana and CrystFEL](#)
- [Common mode correction algorithms for LCLS2 detectors](#)
- [Calibration Scripts Repository and Logging](#)
- [Area Detector Interface](#)
- [Detector geometry constants deployment](#)
- [Detector Calibration Constants Deployment](#)
- [Method det.calib algorithms](#)
- [LCLS-II Calibration DB](#)
- [Bad Pixel Status](#)
- [AMI Examples for Detector Geometry Mask and RoiArch](#)
- [Bad pixel mask for epix100a xpplw3319, Bad pixel status evaluation for dark and light data](#)
- [EPIXHR Charge Injection](#)
- [Mask Editor Development Notes](#)
- [Mask Editor for LCLS-II](#)
- [Templates for paper contribution](#)
- [Building psana release](#)
- [Scaling behavior of psana1 - Part 1 - det.calib method in multicore processing with mpi](#)
- [Epix100a gain constants after transition from pcds to s3df](#)

Useful References

- [Compute and Clusters](#)
- [Building Conda Packages And Releases](#)