

PNCCD alignment for SPI experiment amo86615

Alignment procedure

Use averaged ndarray: clb-amo86615-r0201-peds-ave-Camp.0:pnCCD.0.txt

Chris instructed how PNCCD quads should be aligned in the [amogeom.pdf](#) + updated info from Philip and Ankush.

Front detector

/reg/g/psdm/detector/alignment/pnccd/amo86615-pnccd-2015-09-09/calib/PNCCD::CalibV1/Camp.0:pnCCD.0/geometry/202-end.data

Back detector

/reg/g/psdm/detector/alignment/pnccd/amo86615-pnccd-2015-09-09/calib/PNCCD::CalibV1/Camp.0:pnCCD.1/geometry/202-end.data

Back detector alignment using image with rings

Chuck advised event:

amo86615, run159

timestamp: 6178962762198708138, fiducial: 0xf762

ndarray with appropriate image is in

/reg/g/psdm/detector/alignment/pnccd/amo86615-pnccd-2015-09-09/nda-amo86615-r0159-Camp.0:pnCCD.1-evt-w-rings.txt

Using geo we get:

/reg/g/psdm/detector/alignment/pnccd/amo86615-pnccd-2015-09-09/calib/PNCCD::CalibV1/Camp.0:pnCCD.1/geometry/159-end.data

which gives image