CSPad alignment after run 3, cxi80410-r0628

- About this version of CSPad alignment
- Earlier versions of CSPad alignment
- Alignment tool
- Alignment parameters
- Alignment of sensors in quads
- Deviation of the wire shadows from lines

About this version of CSPad alignment

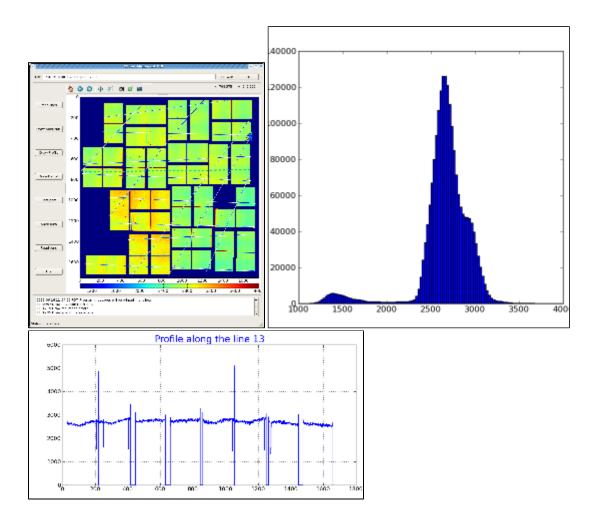
- Sensors in quads are aligned individually (see CSPad Alignment of quads for cxi80410-r0628) using their natural coordinates as from the optical
 measurement (top-left corner is an origin, nearest point to the beam spot).
- Quads are rotated and inserted in uniform 2-D array with appropriate offsets.

Earlier versions of CSPad alignment

CSpad Alignment - v2011-05-25 CSPad Alignment of quads - v2011-06-14 CSPad Alignment of quads for cxi80410-r0628

Alignment tool

- Takes image of CSPad or quad from 2-D array
- Draw lines along the wire shadows
- · Interactively adjust lines along the wire shadows
- Plots:
 - o image
 - o image profile
 - o deviation of the shadow "center of gravity" from line along the line



Alignment parameters

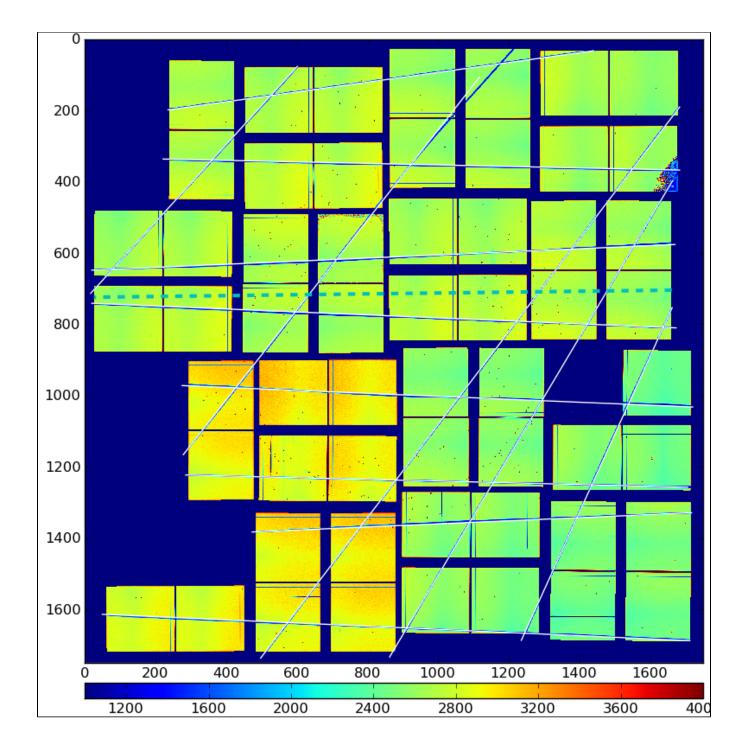
2011-05-25 CSPad alignment parameters

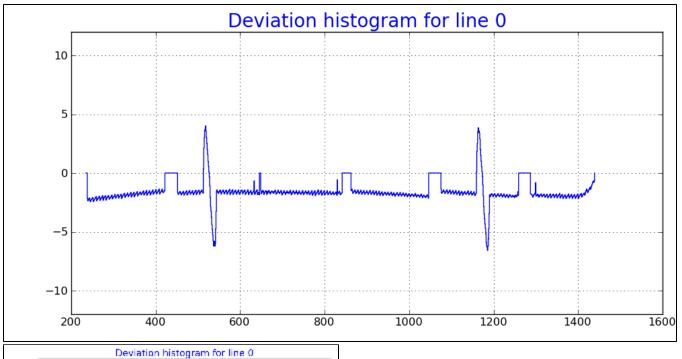
Alignment of sensors in quads

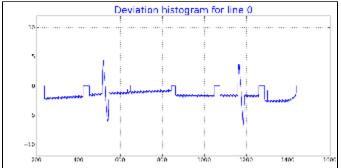
See CSPad Alignment of quads for cxi80410-r0628 for sensor position parameters in quads.

Deviation of the wire shadows from lines

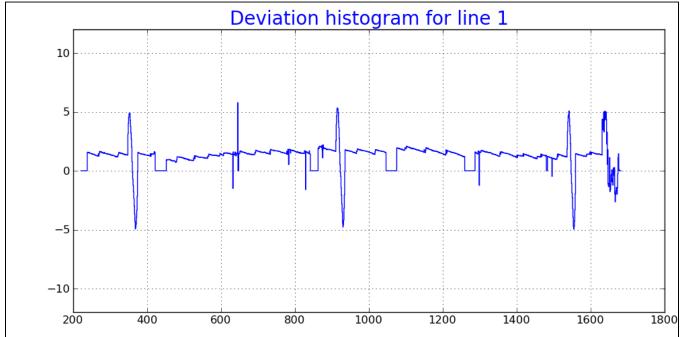
Large plots are for tilted ASICs, icons for non-tilted.

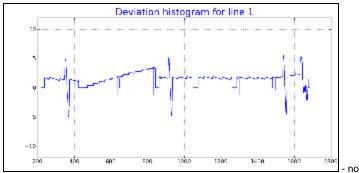


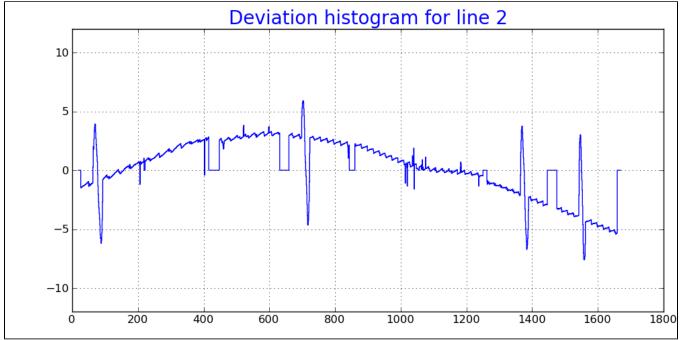




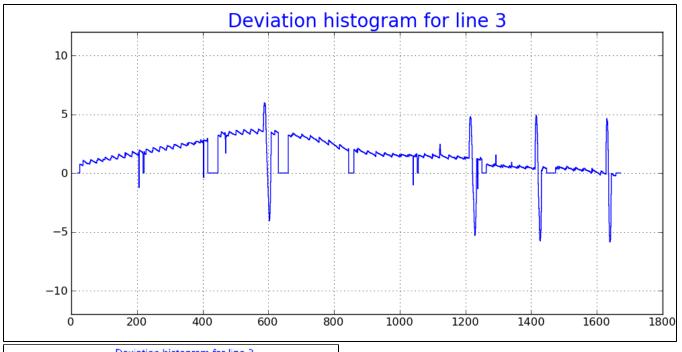


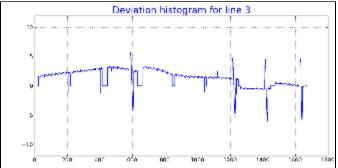


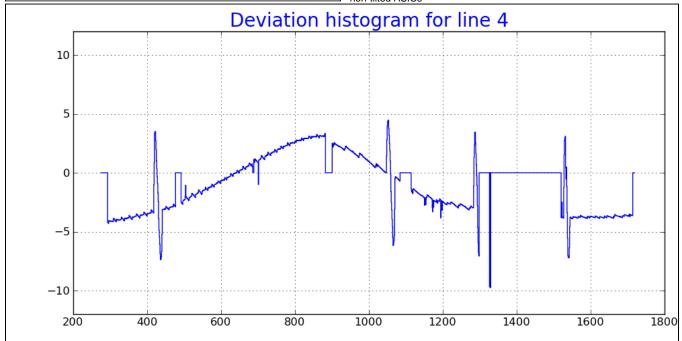


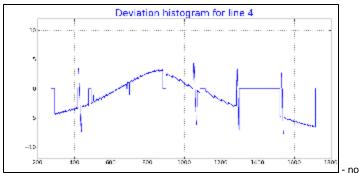


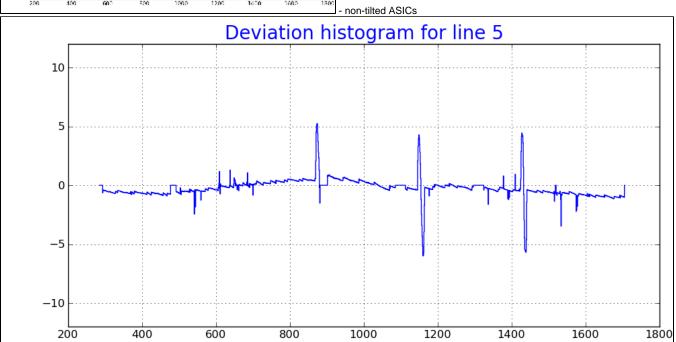


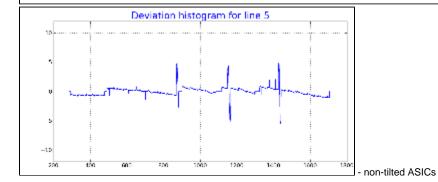


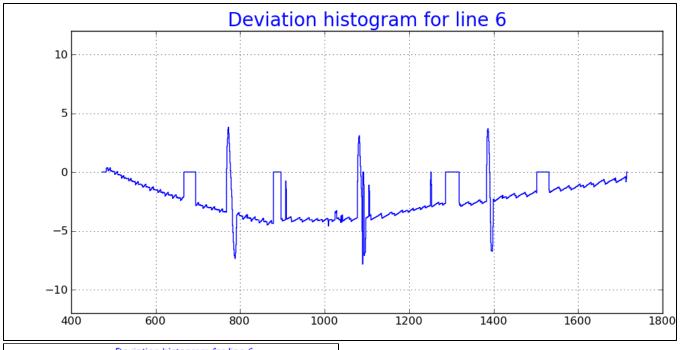


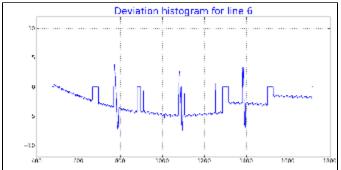




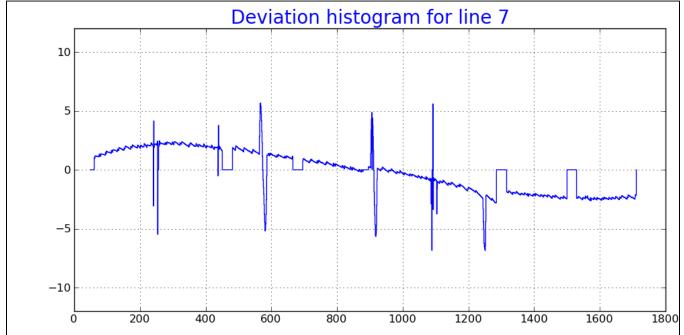


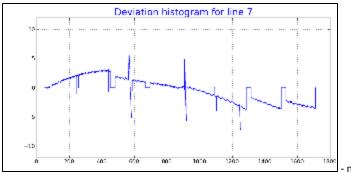


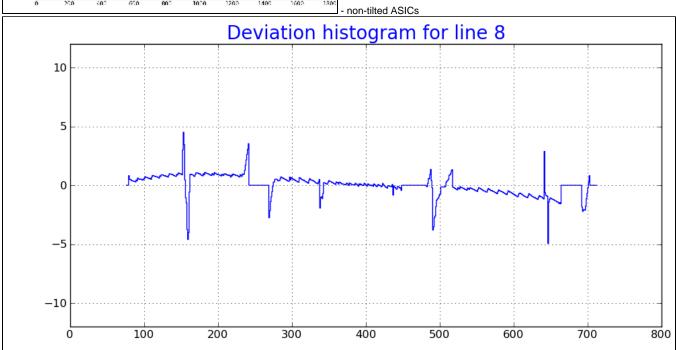


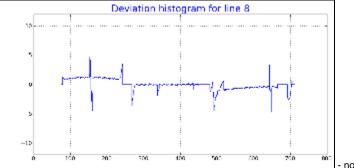


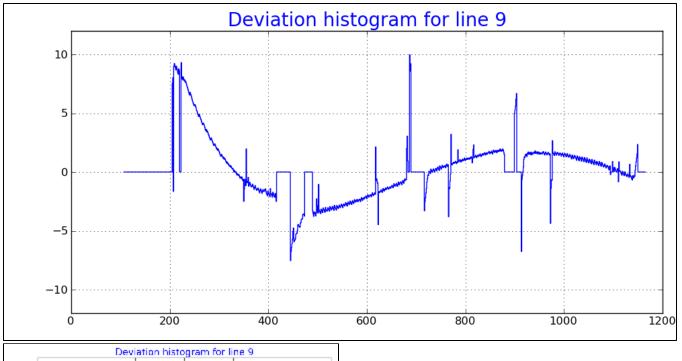


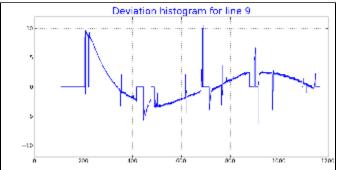




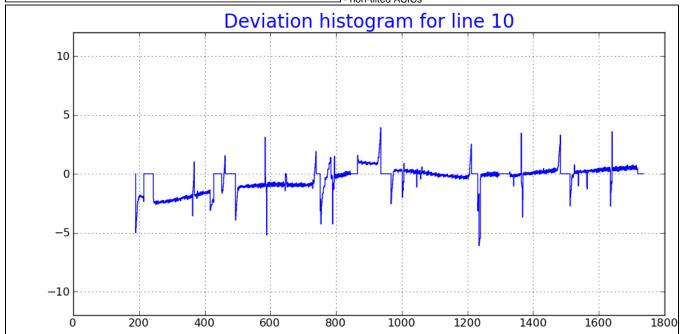


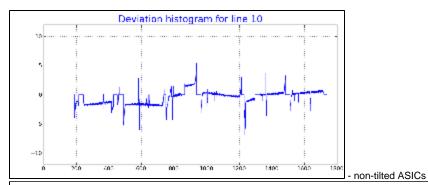


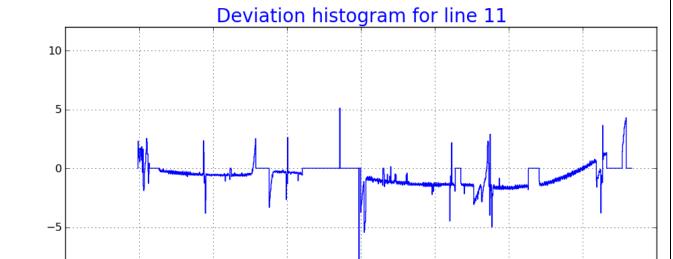


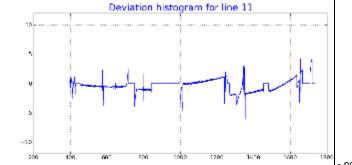












-10

- non-tilted ASICs

