

# CSPad Alignment of quads - v2011-06-14

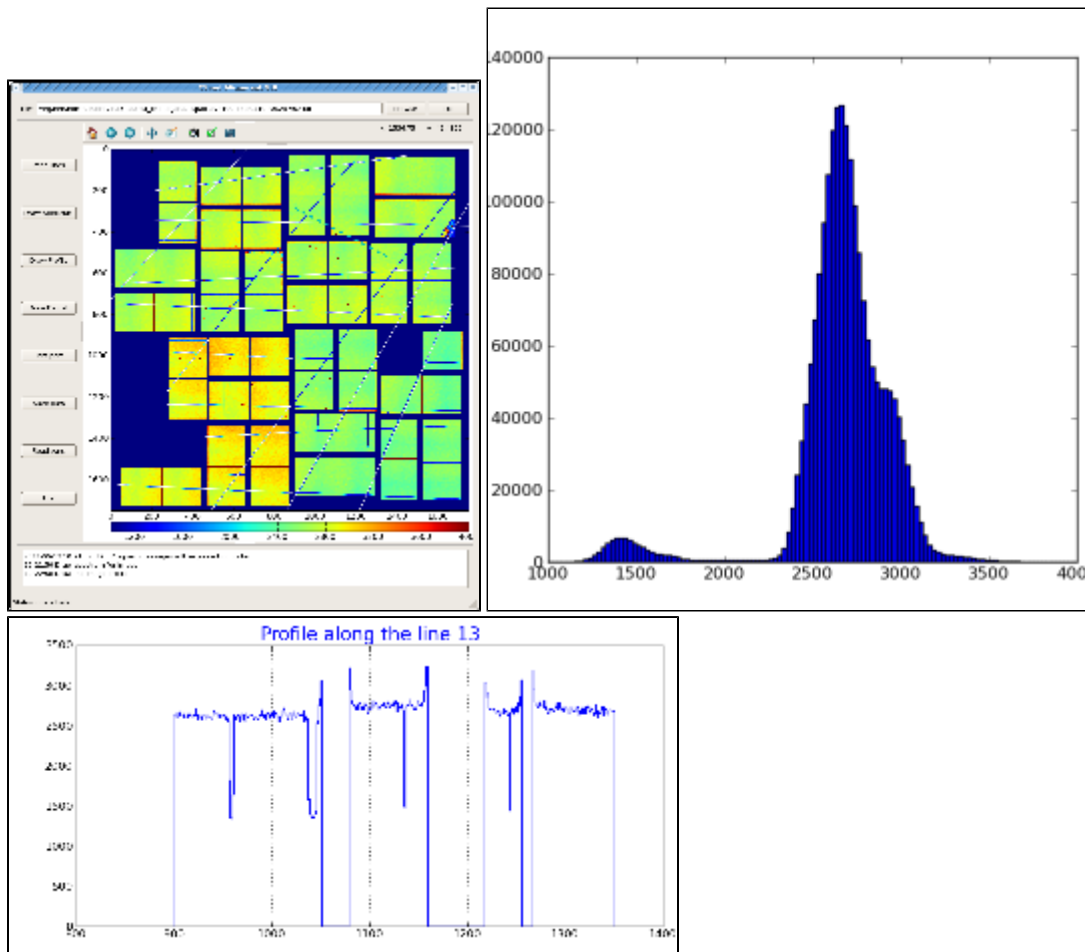
## About this version of CSPad alignment

- Quads are aligned individually using the entire image of the detector, so the quad coordinates and orientations coincides with their values for detector.
- Sensors are aligned based on their center point position from optical measurement.
- Center coordinates were rounded to integer numbers in order to insert everything in 2-D array.
- Tilt angles were not taken into account.

## Earlier versions of CSPad alignment

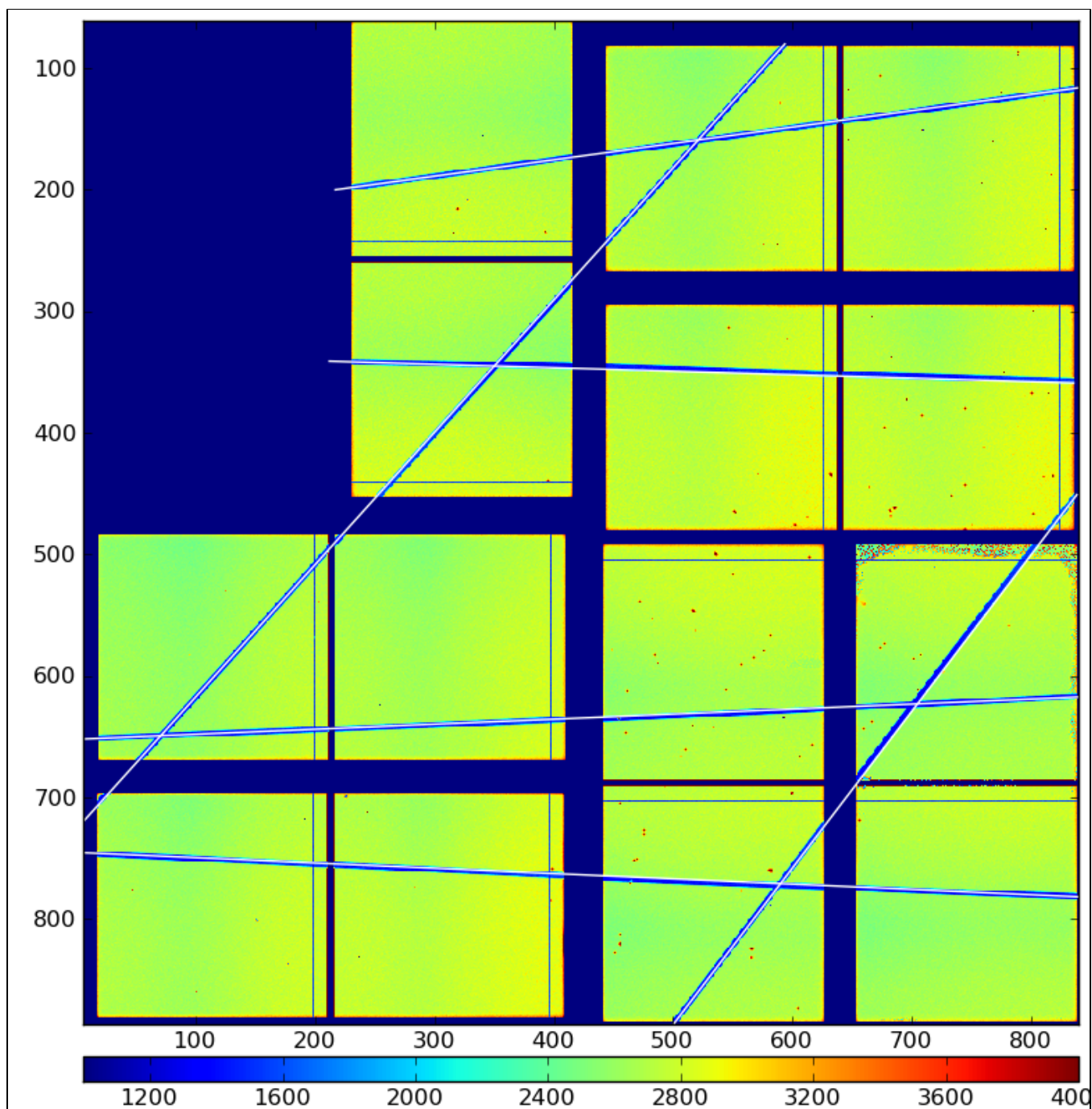
[CSpad Alignment - v2011-05-25](#)

## CSPad image, spectrum, and profile histogram

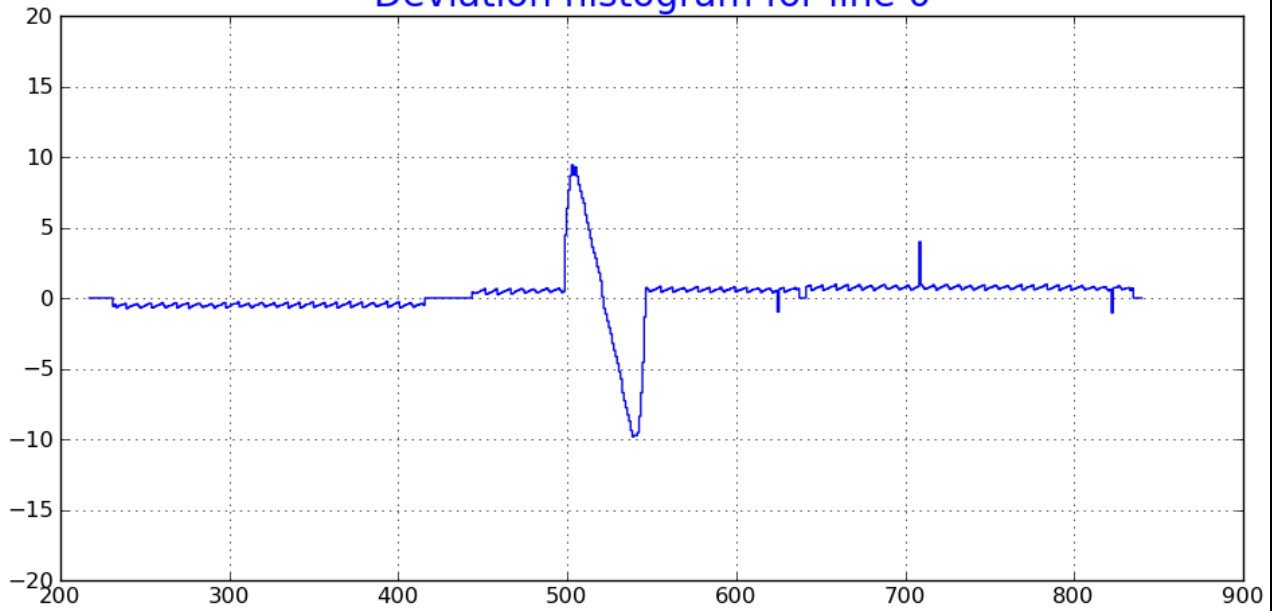


## Deviation of the wire shadows from lines

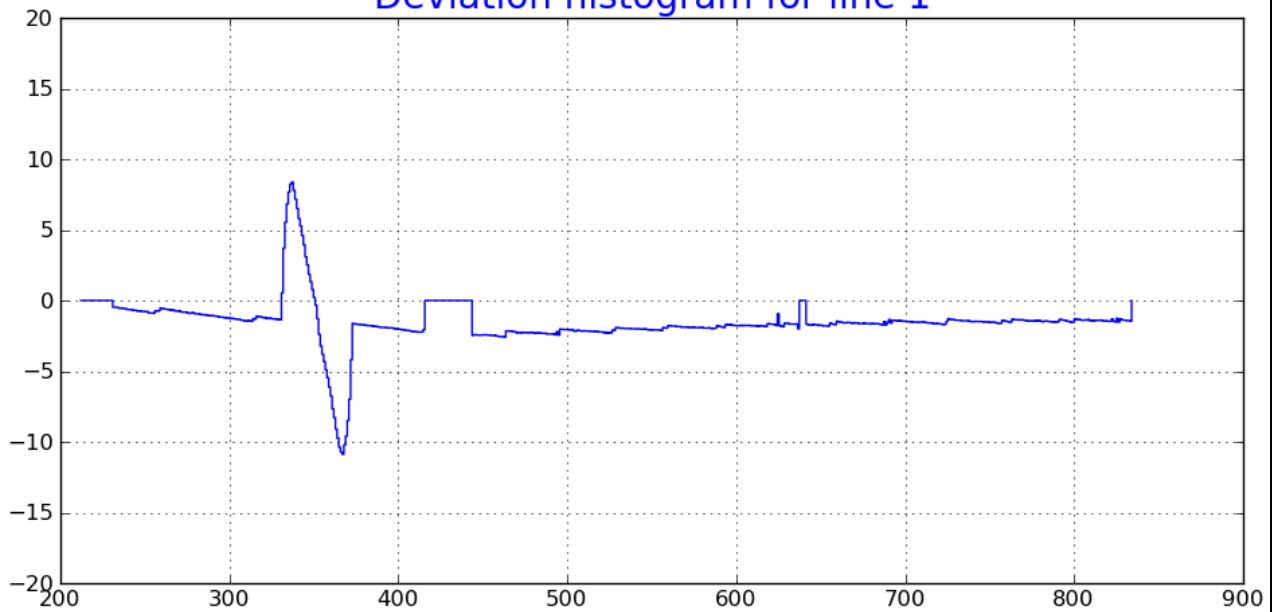
Quad 0



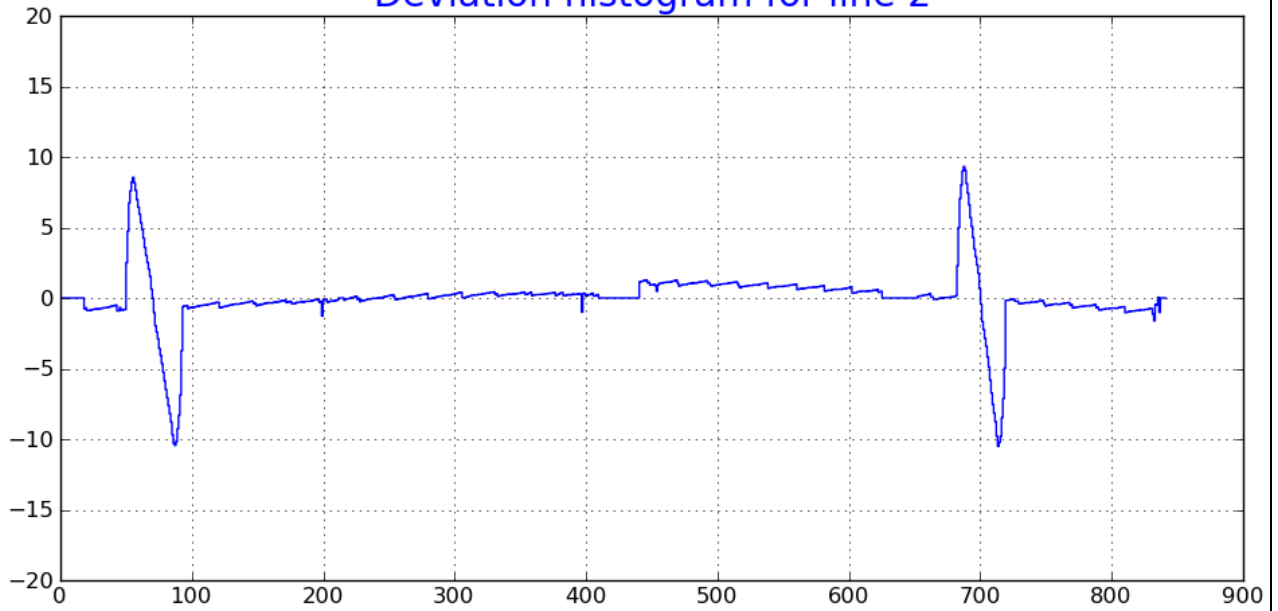
Deviation histogram for line 0



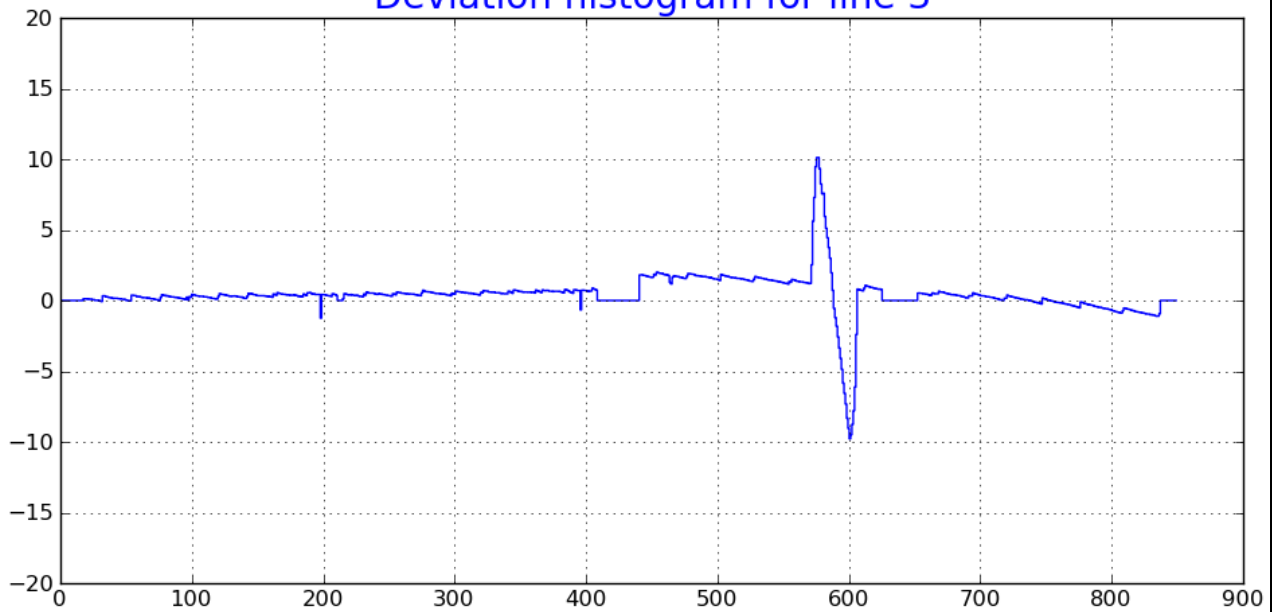
Deviation histogram for line 1



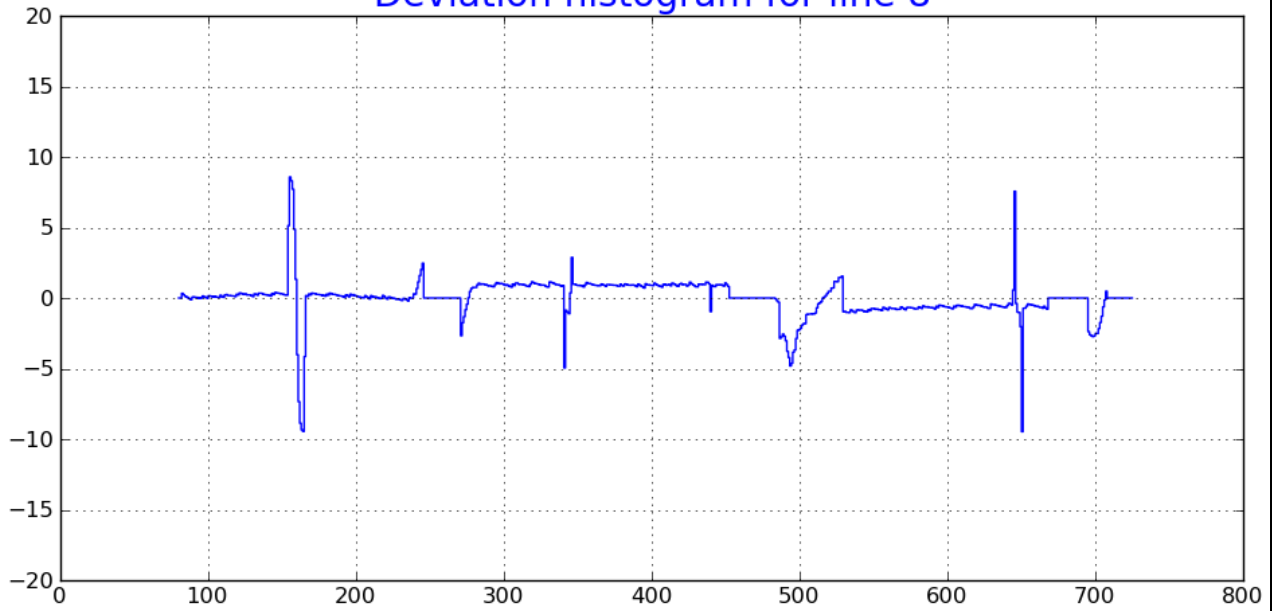
Deviation histogram for line 2



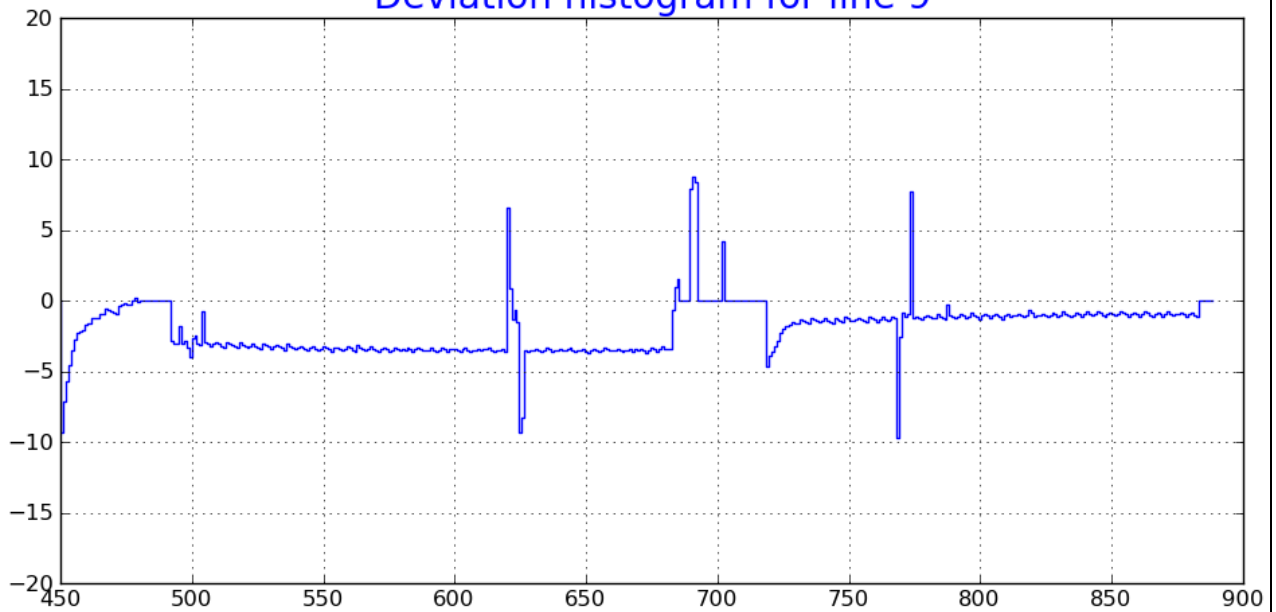
Deviation histogram for line 3



Deviation histogram for line 8

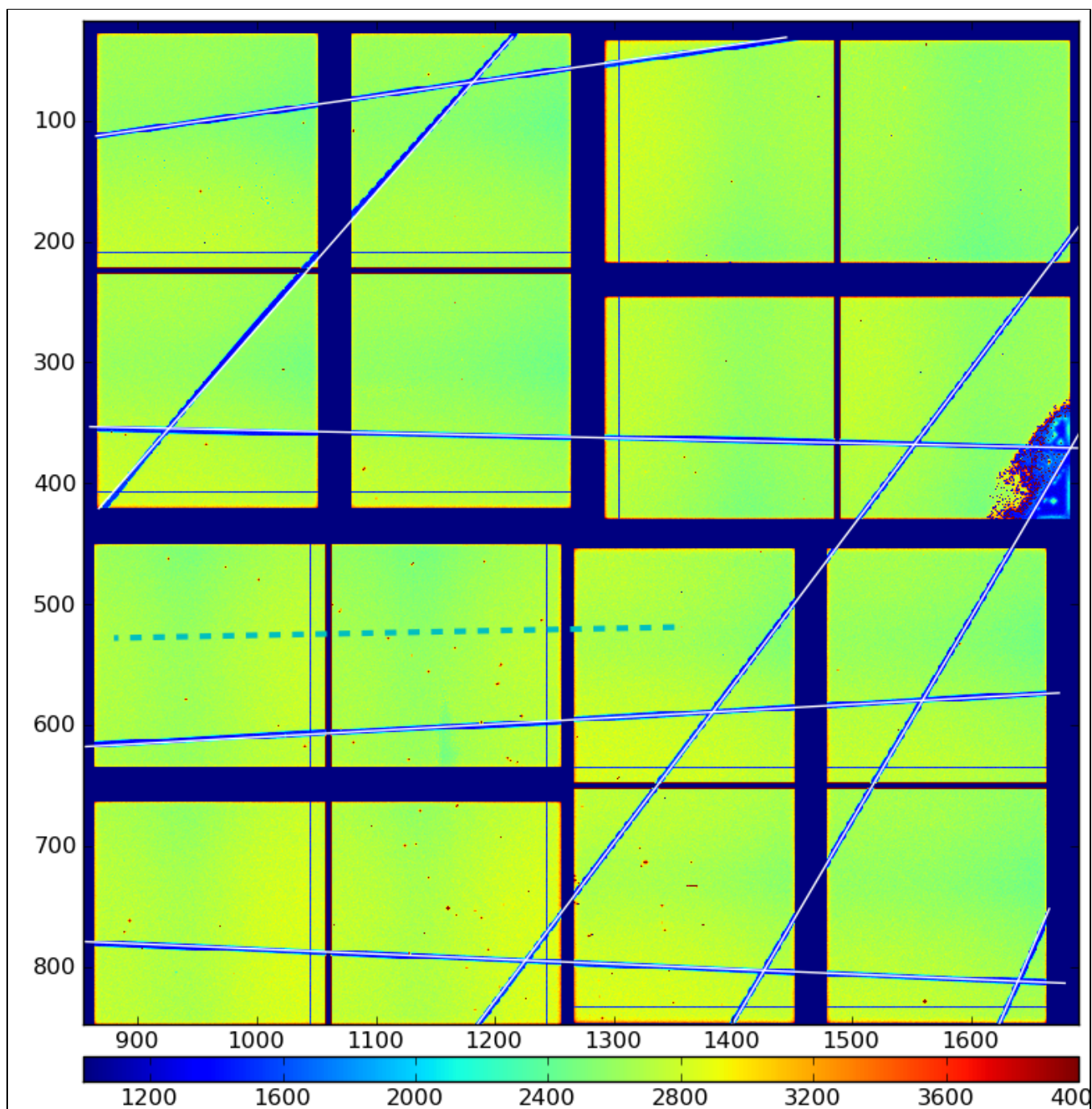


Deviation histogram for line 9



Quad 1

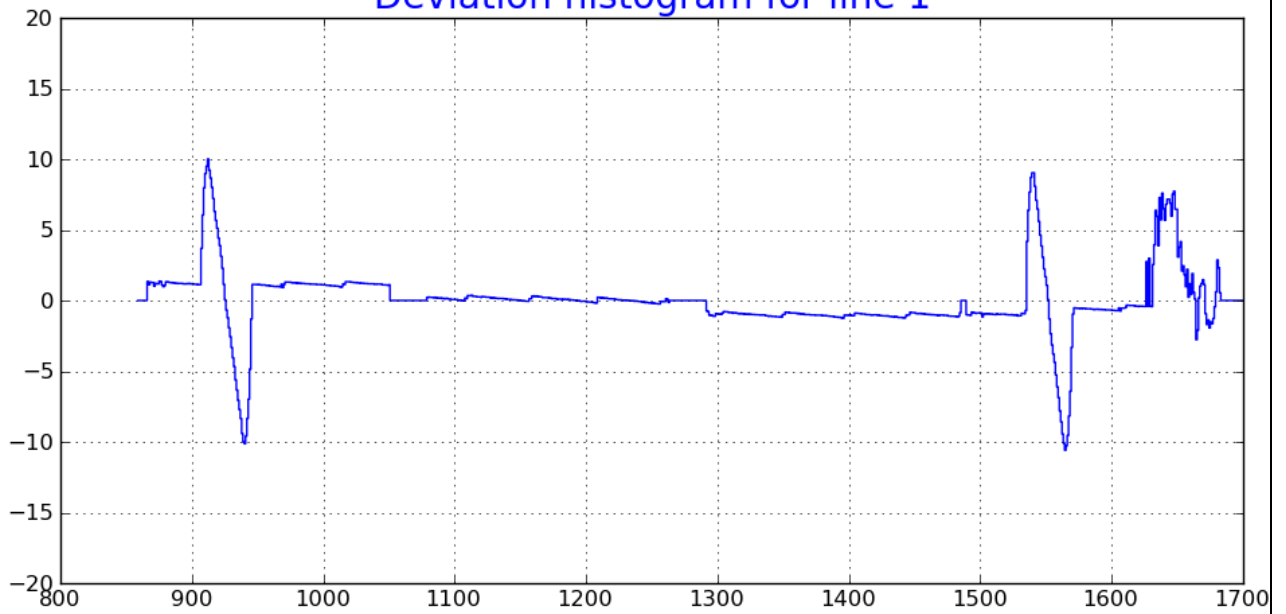




Deviation histogram for line 0



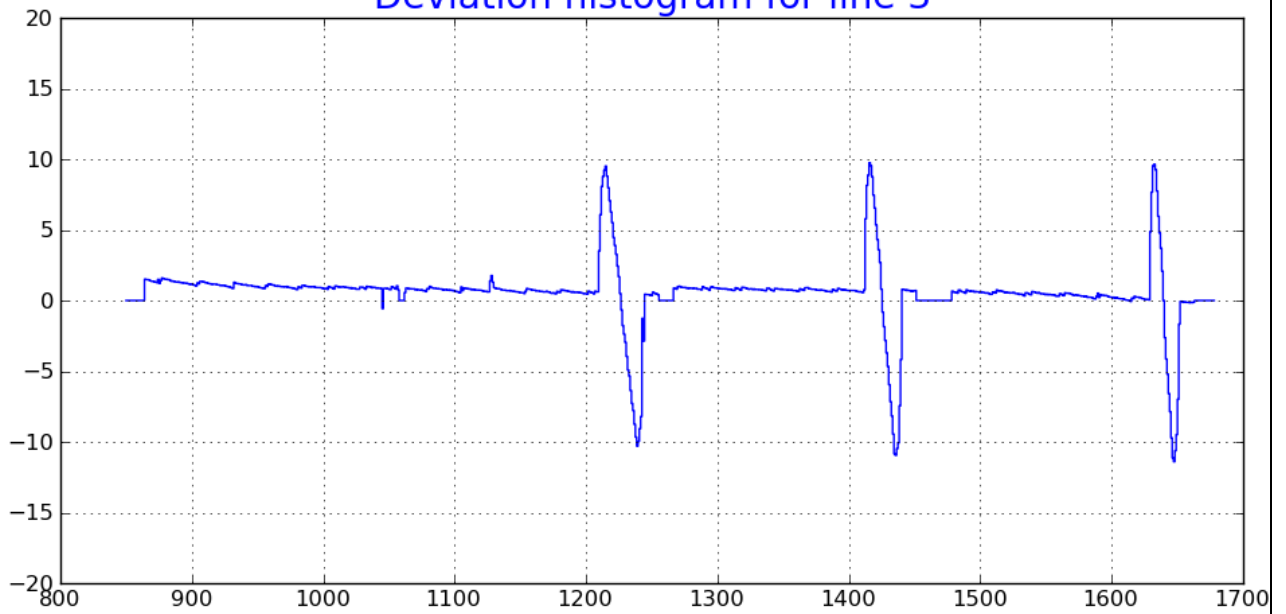
Deviation histogram for line 1



Deviation histogram for line 2

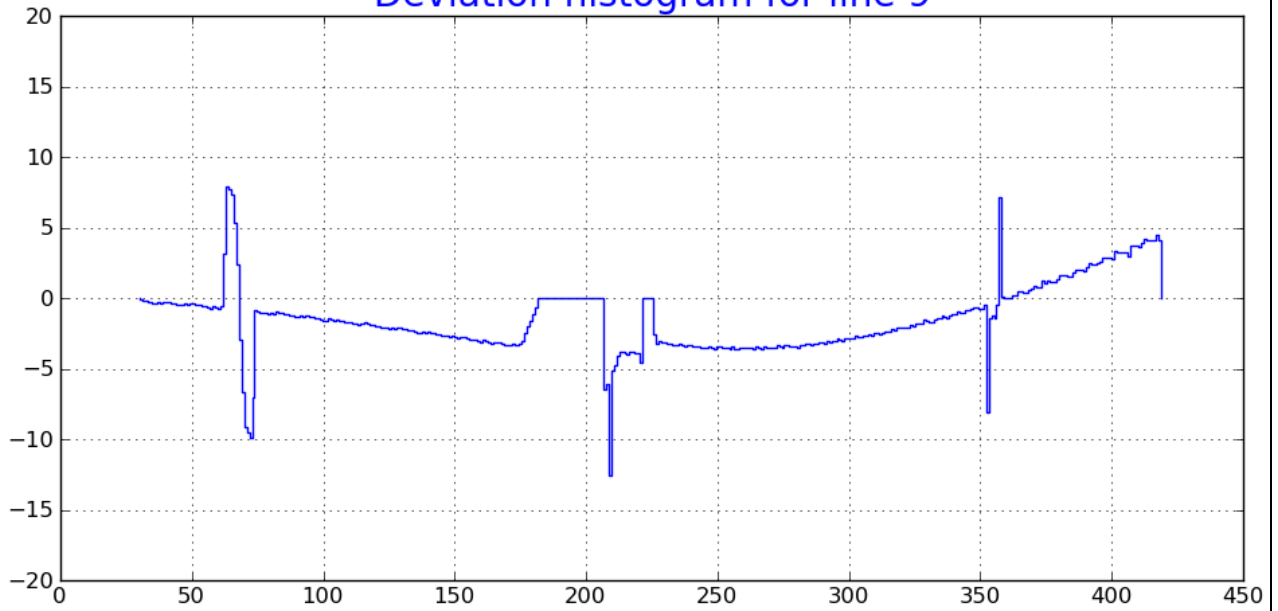


Deviation histogram for line 3

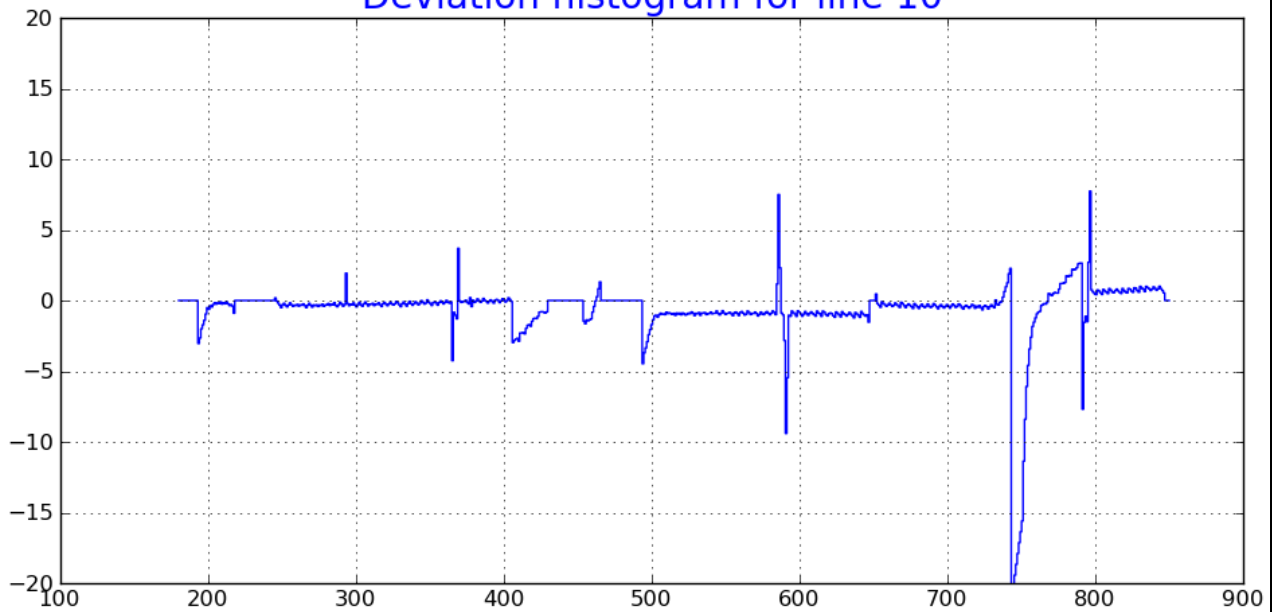




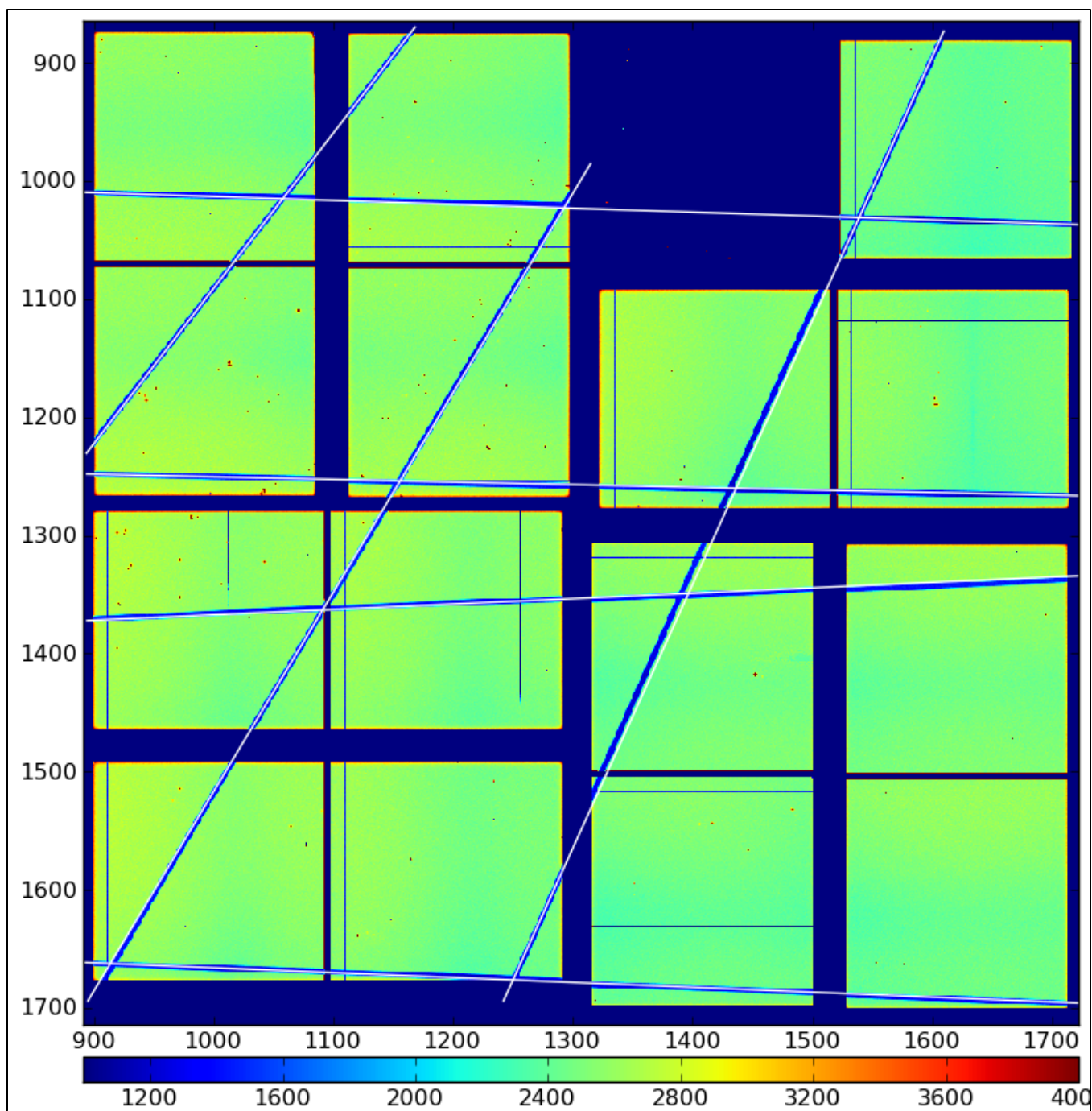
Deviation histogram for line 9



Deviation histogram for line 10



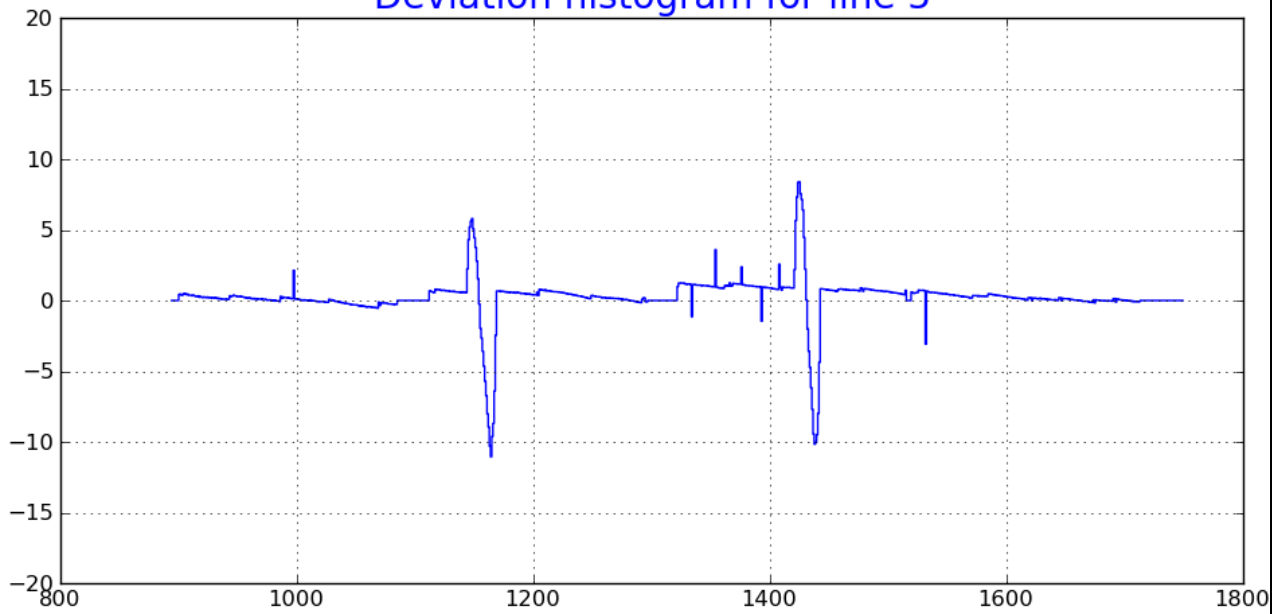
Quad 2



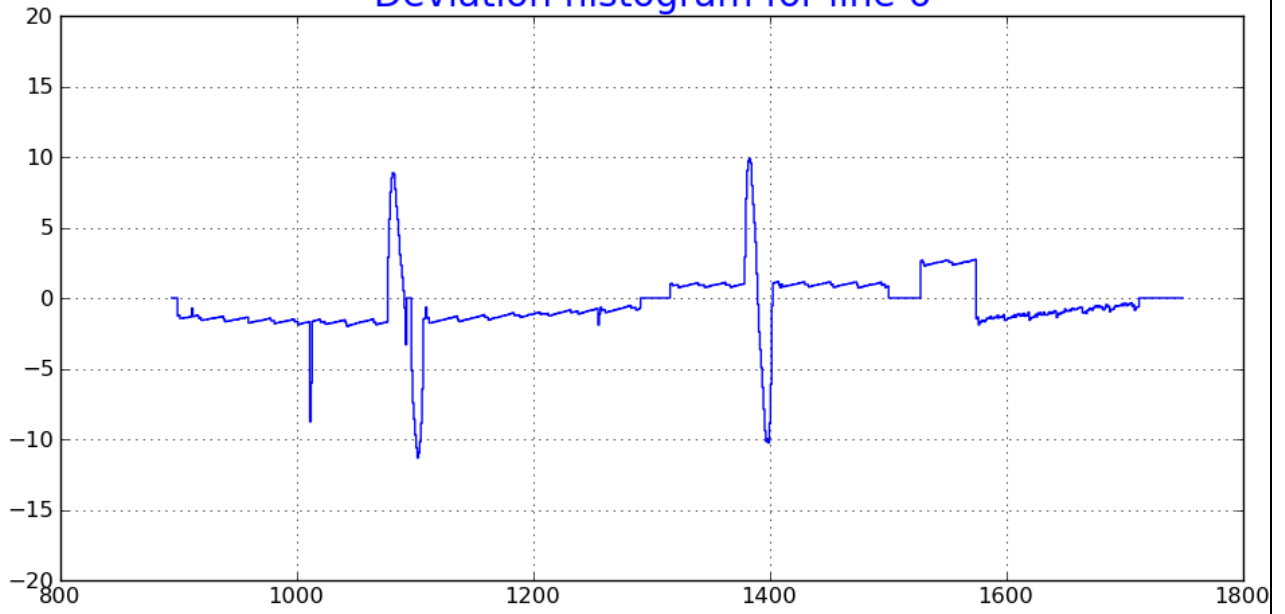
Deviation histogram for line 4



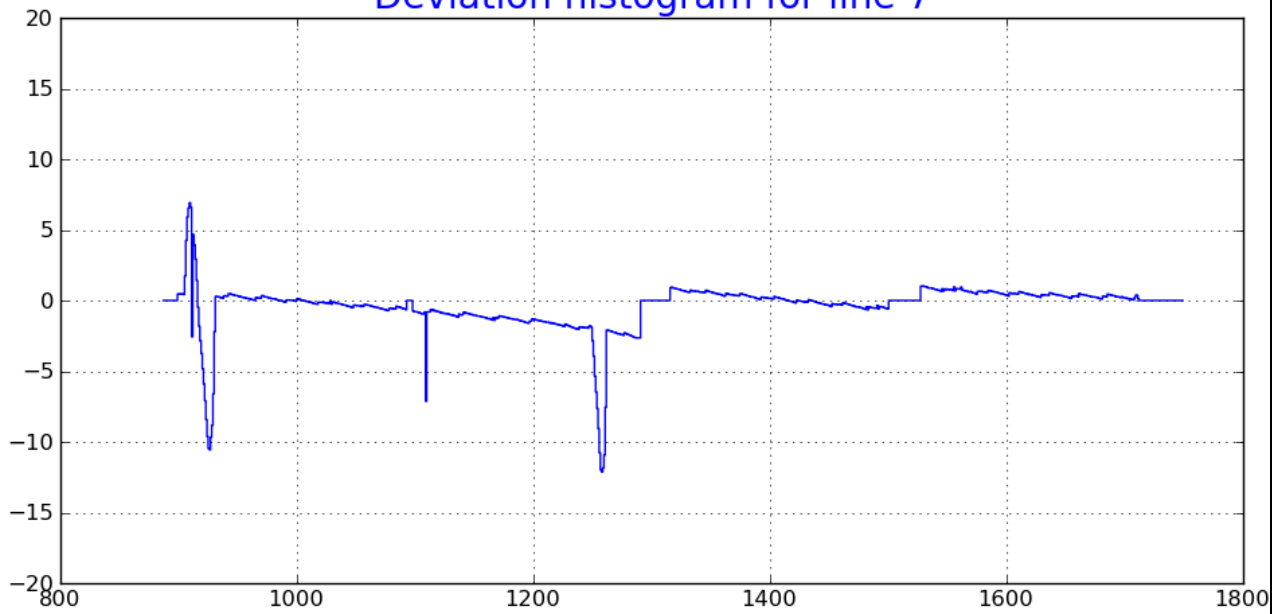
Deviation histogram for line 5



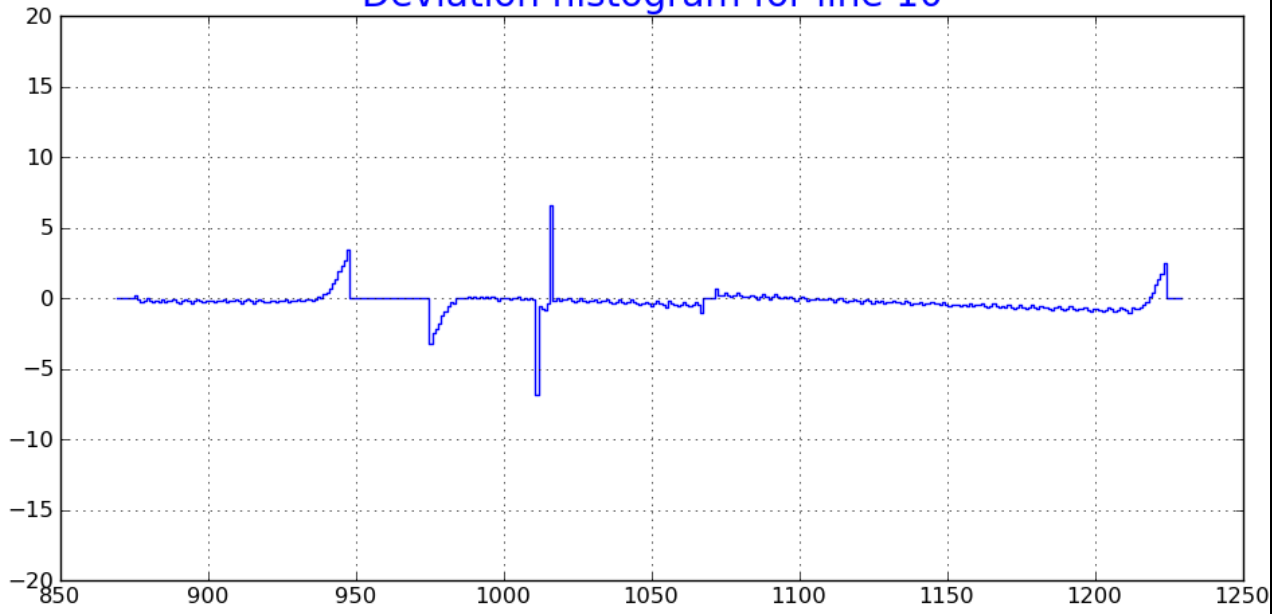
Deviation histogram for line 6



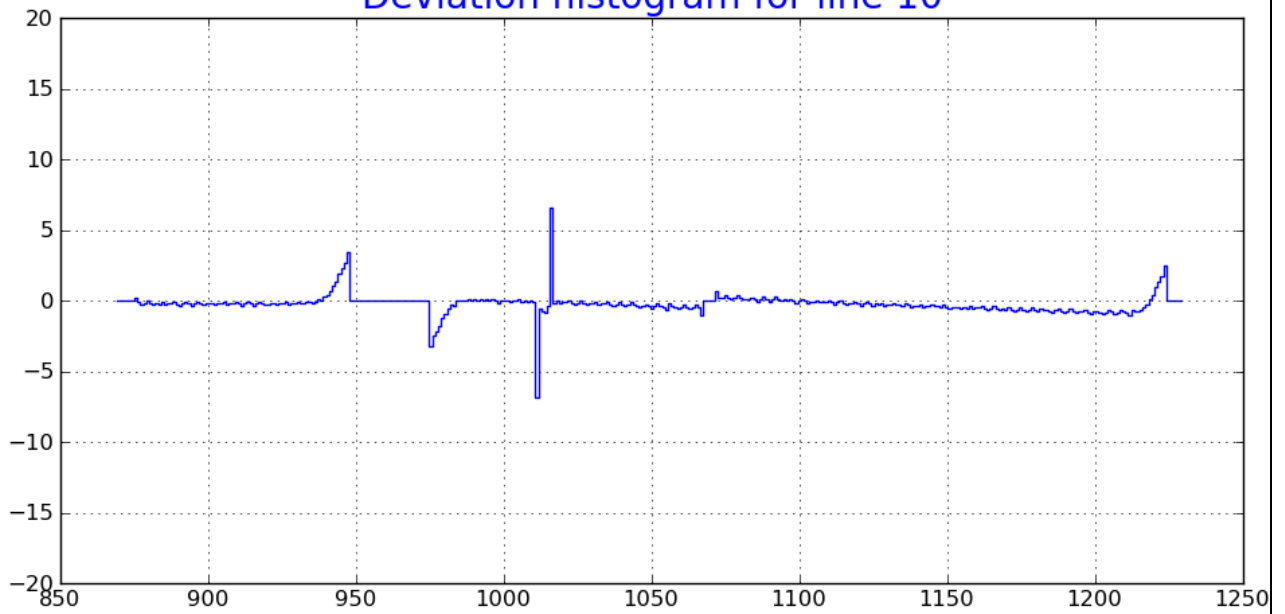
Deviation histogram for line 7



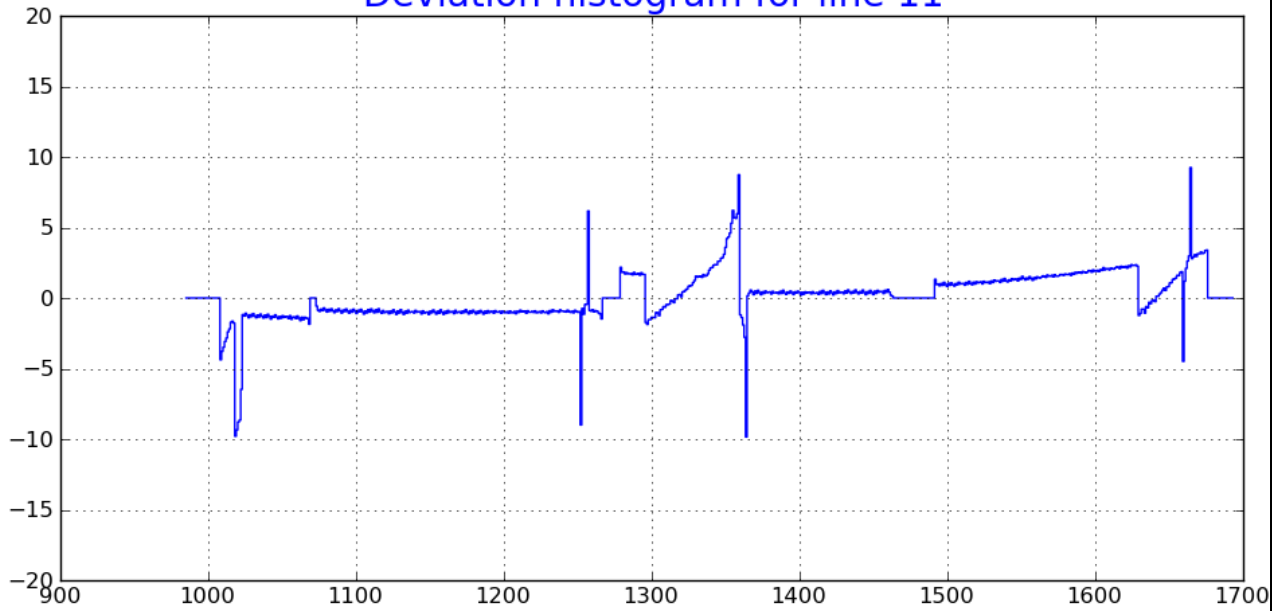
Deviation histogram for line 10



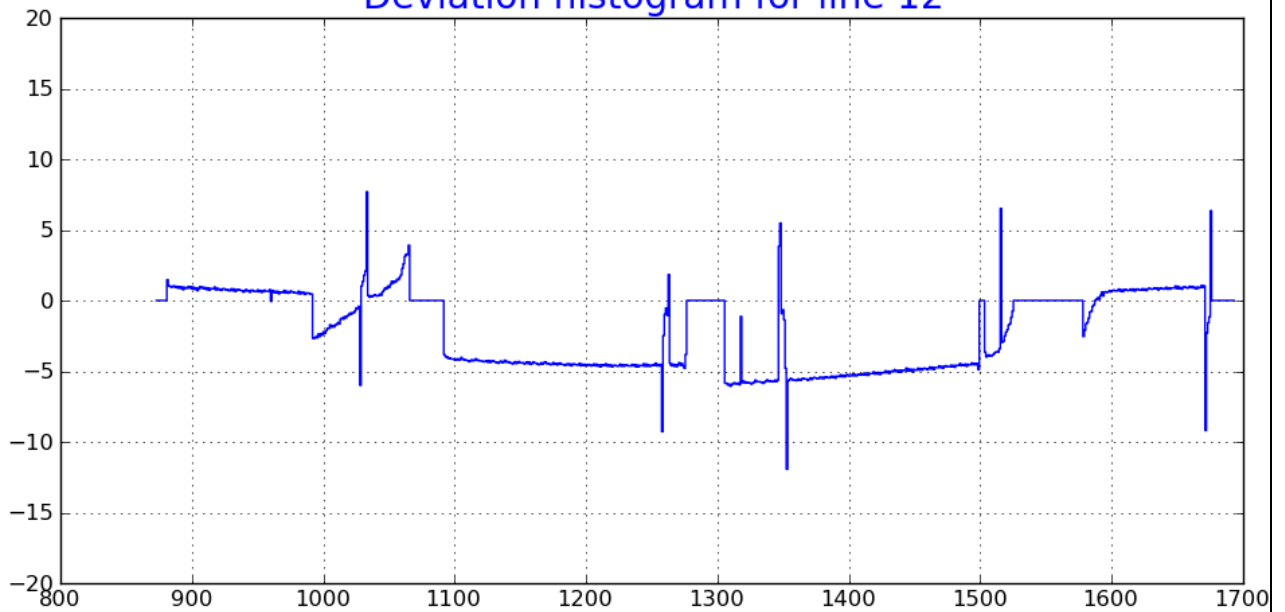
Deviation histogram for line 10



Deviation histogram for line 11

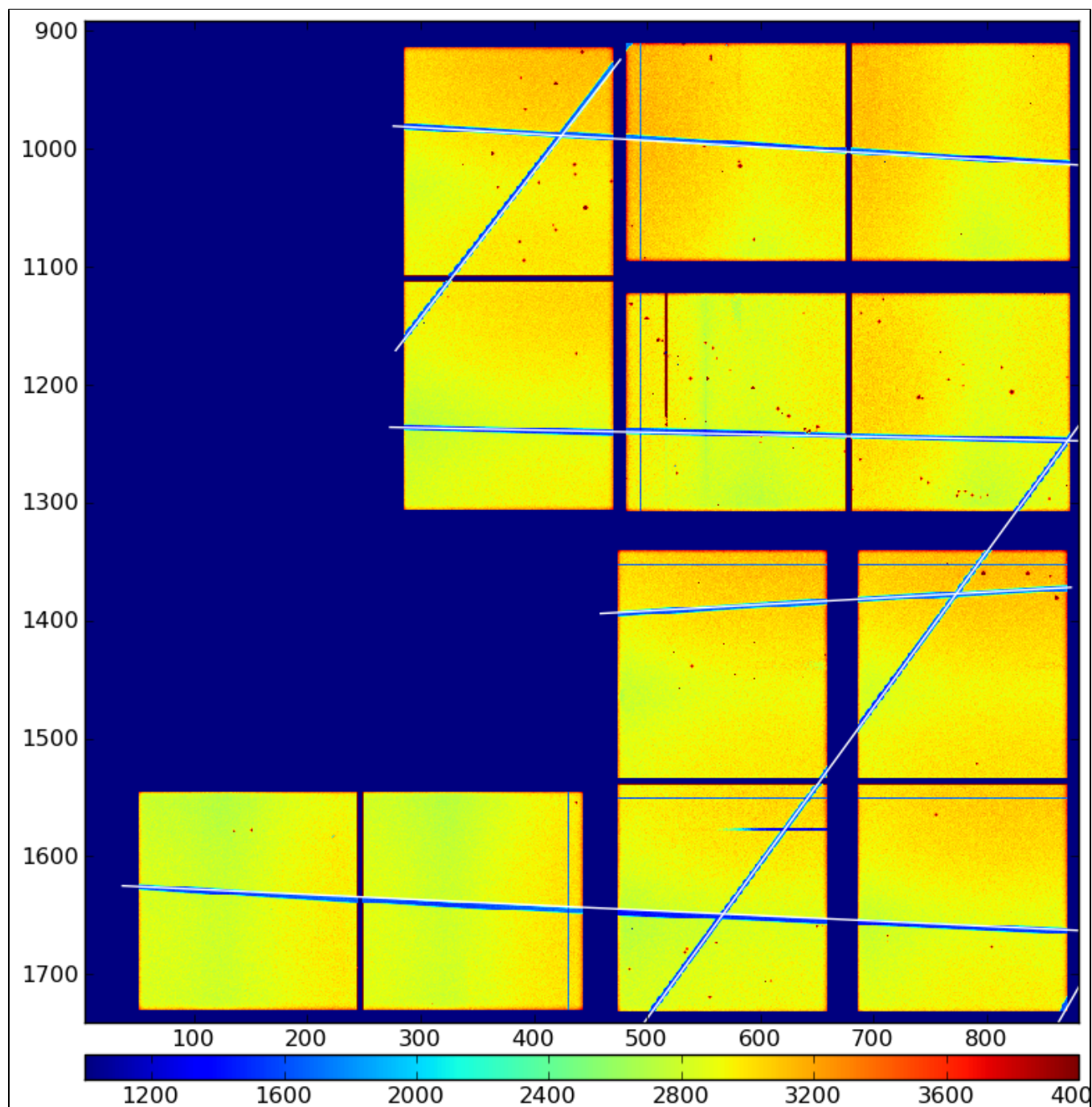


Deviation histogram for line 12

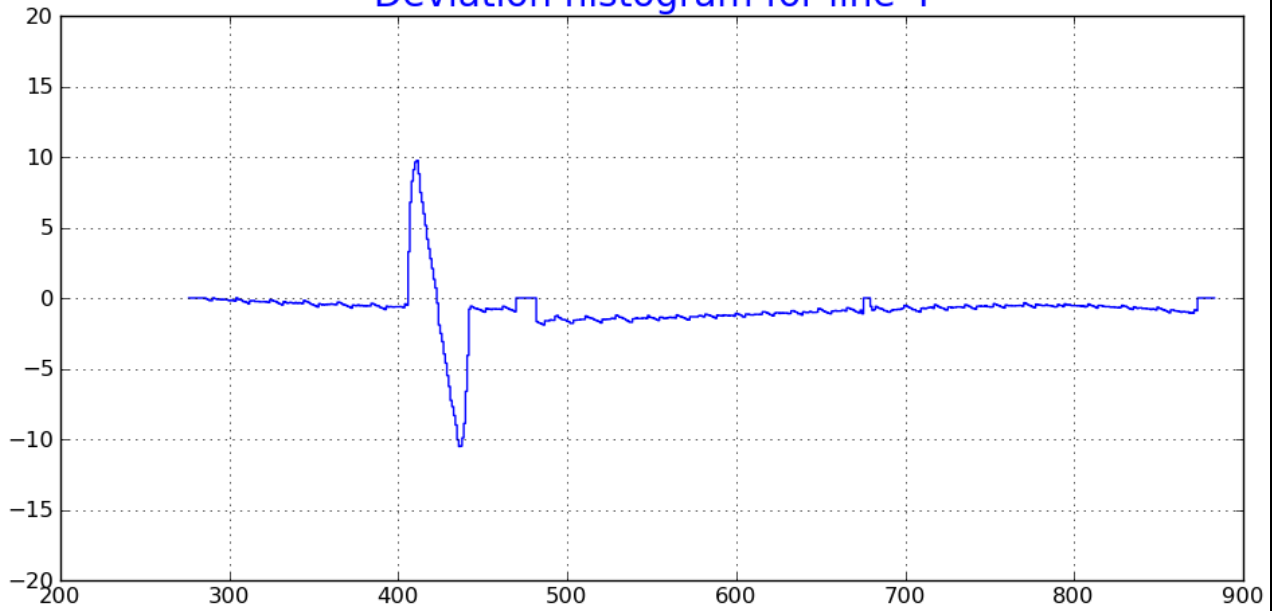


Quad 3

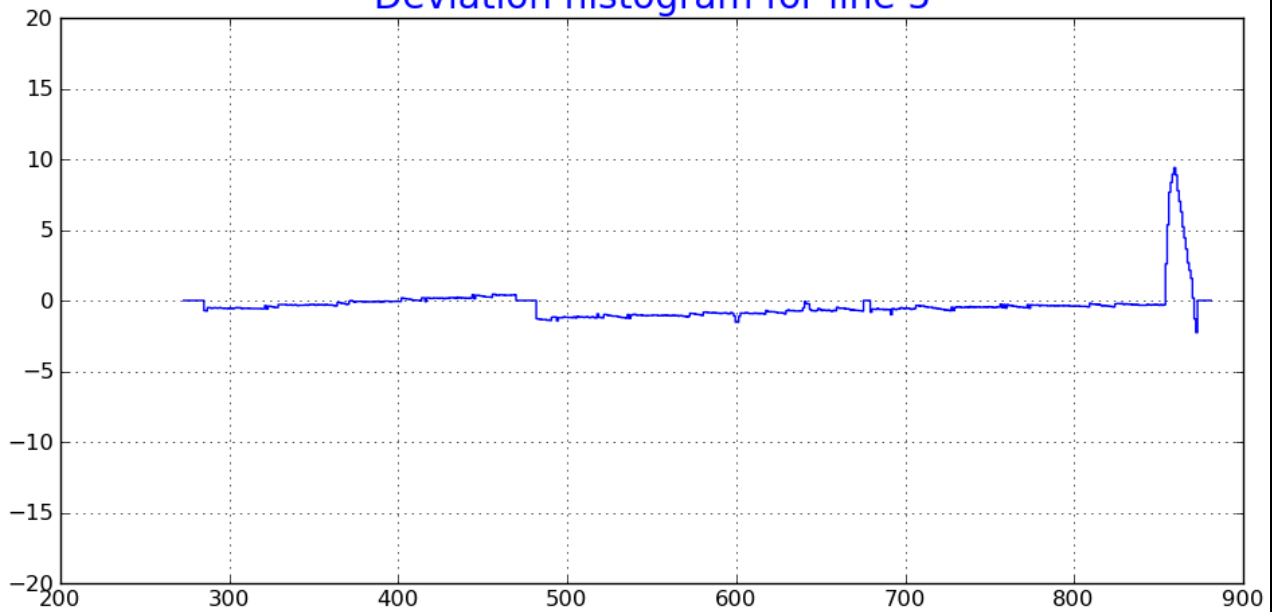




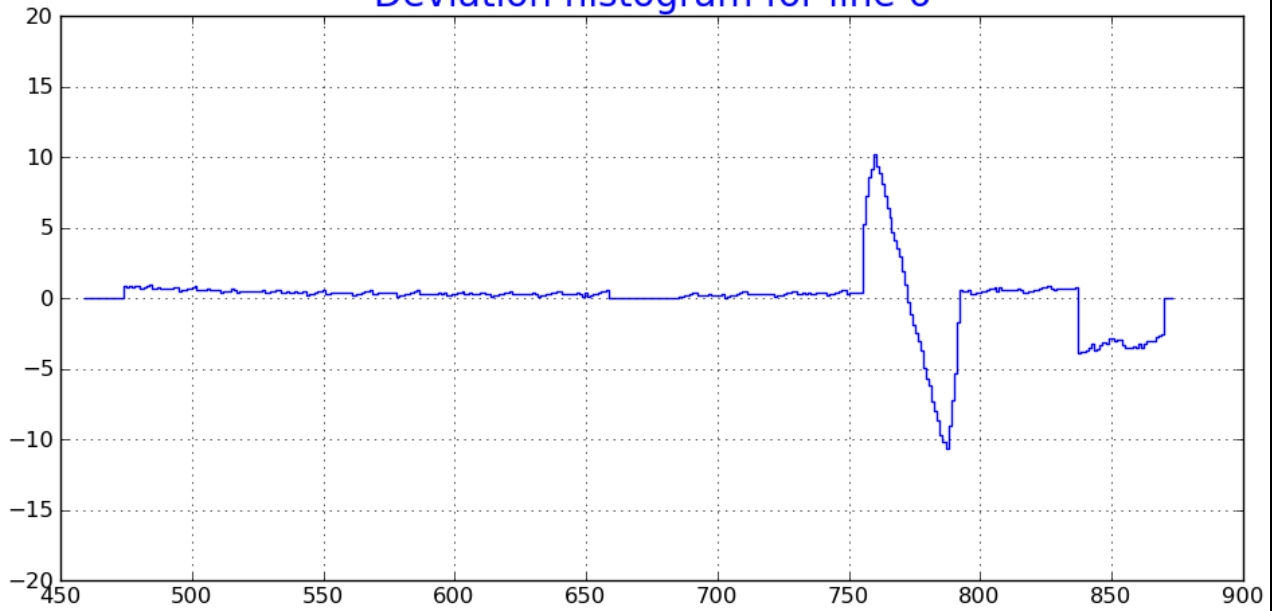
Deviation histogram for line 4



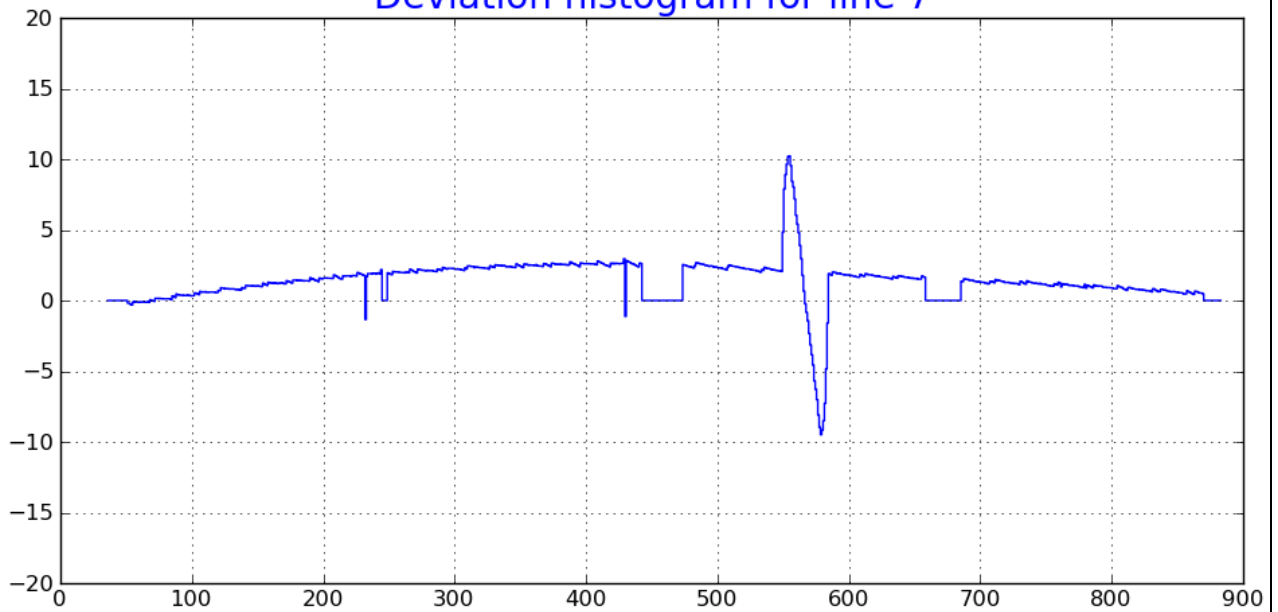
Deviation histogram for line 5



Deviation histogram for line 6



Deviation histogram for line 7



Deviation histogram for line 9

