

# DQM Report for run number 282

pysimdamicm.dqm.dqm\_manager

May 10, 2021

Data directory:

/data/calidaq\_backup/DataTaking/Co57/Run\_282

Output directory:

/data/chicago/ComptonData/WADERS/Co57

Reference used:

None

Total images: 400

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Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row  
[class MEMeanDCperRow]

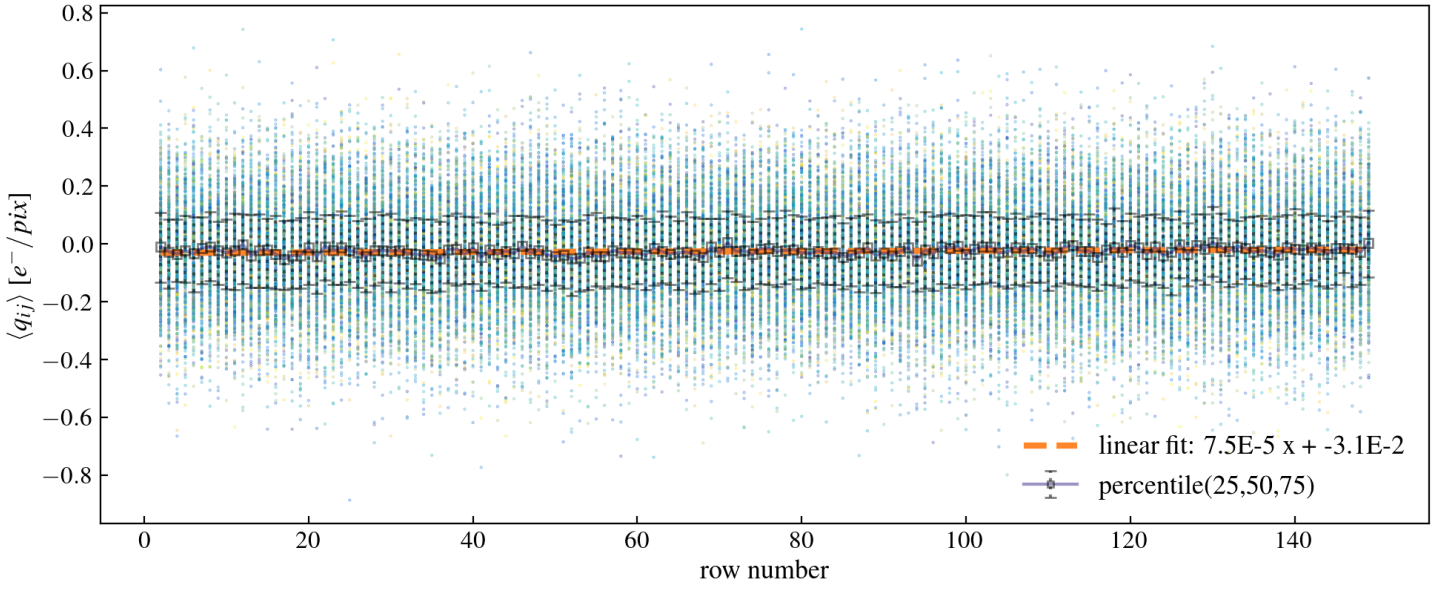


Figure 1: Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row

Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row [ONLY MEDIAN VALUES]  
[class MEMeanDCperRow]

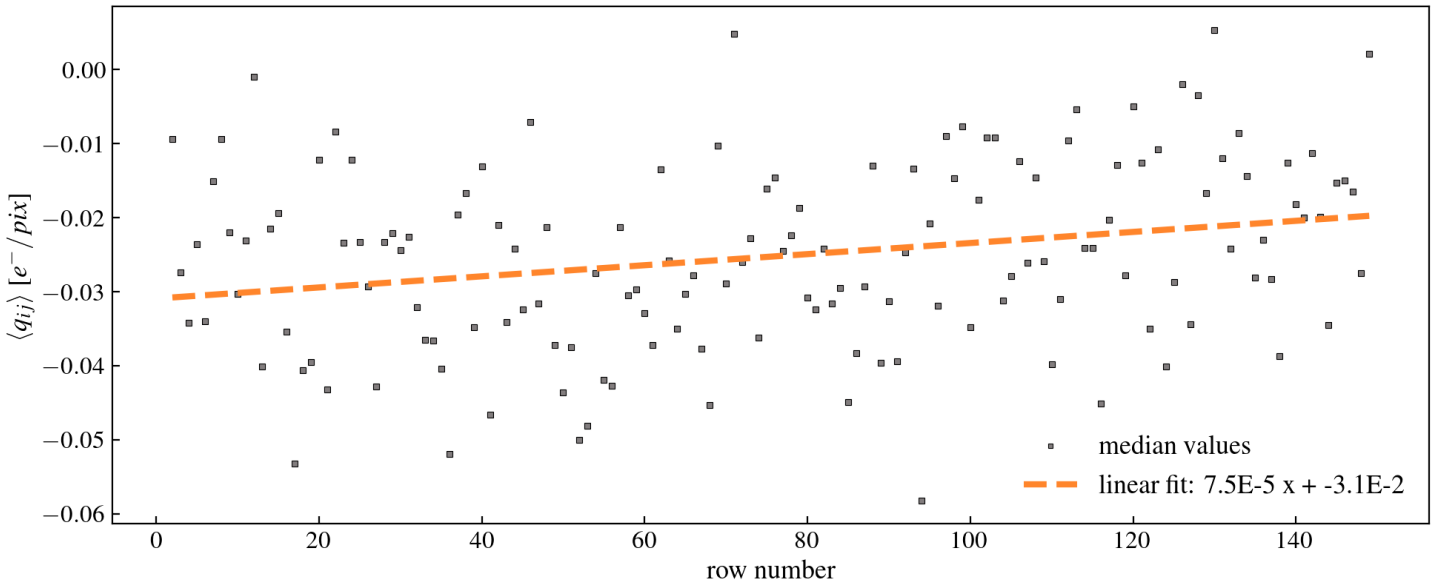


Figure 2: Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row

Slope DC fit (from MEMeanDCperRow) vs file  
[class MEDCslope]

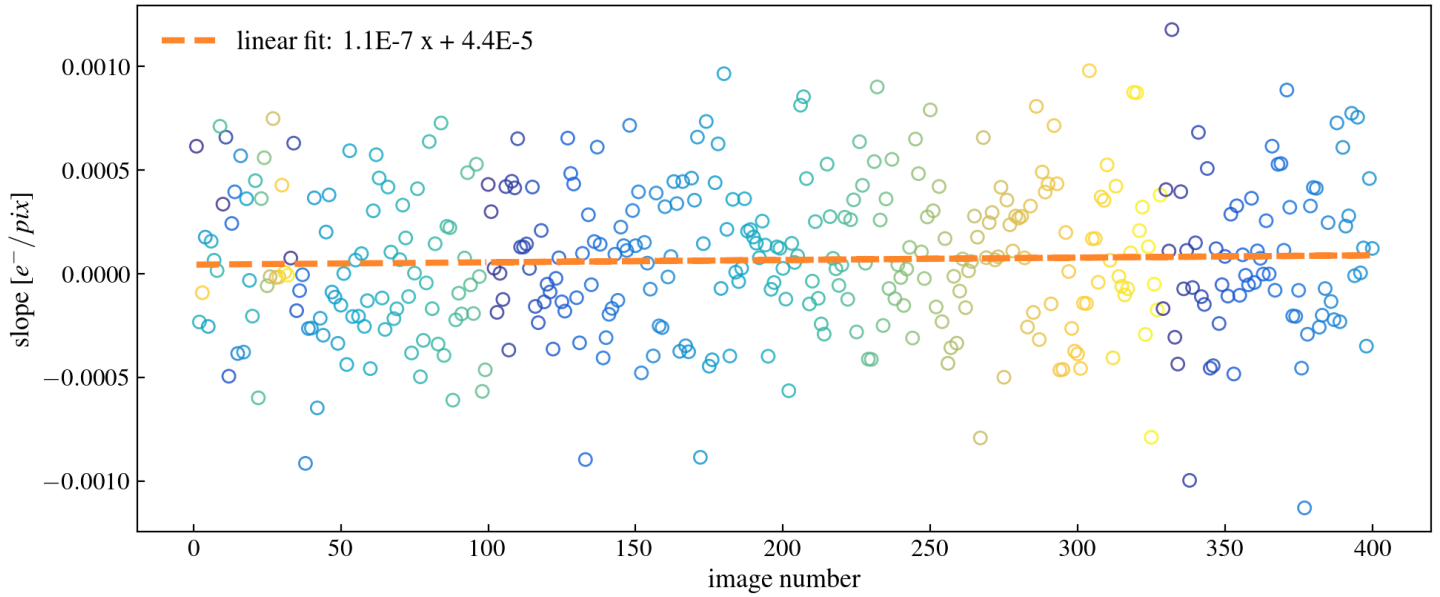


Figure 3: Slope DC fit (from MEMeanDCperRow) vs file

Intercept DC fit (from MEMeanDCperRow) vs file  
[class MEDCintercept]

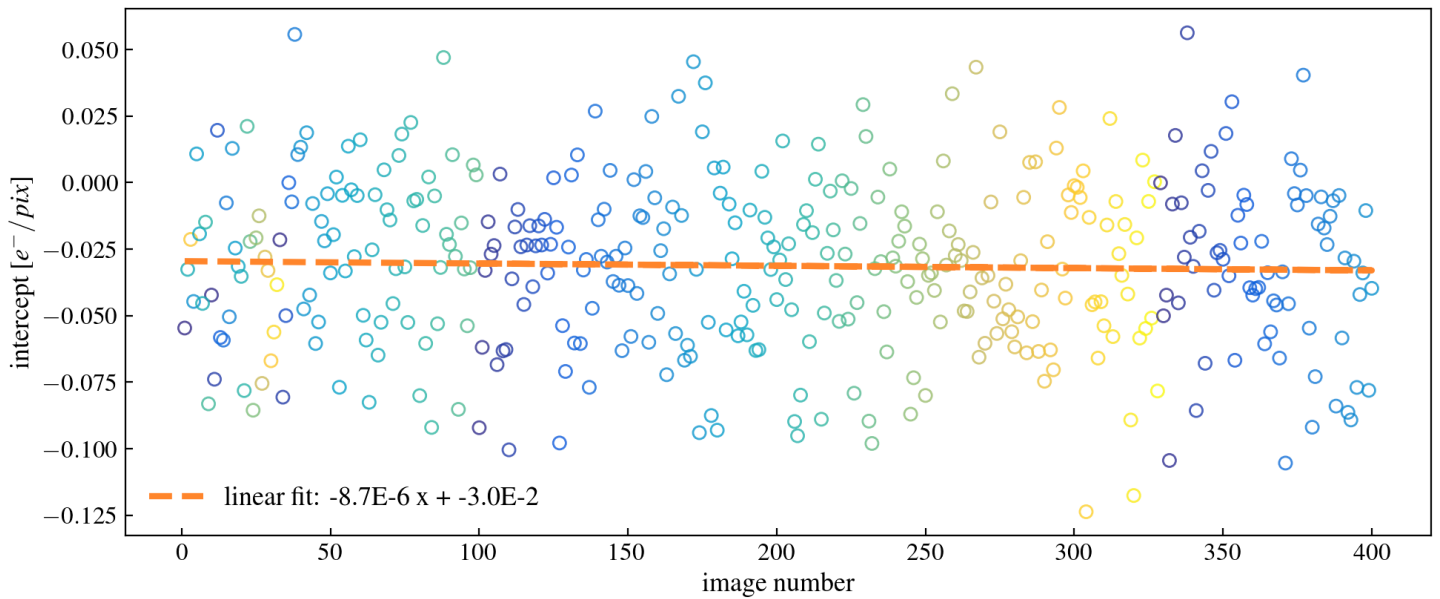


Figure 4: Intercept DC fit (from MEMeanDCperRow) vs file

Active area. Baseline vs row  
[class MESensorMedianperRow]

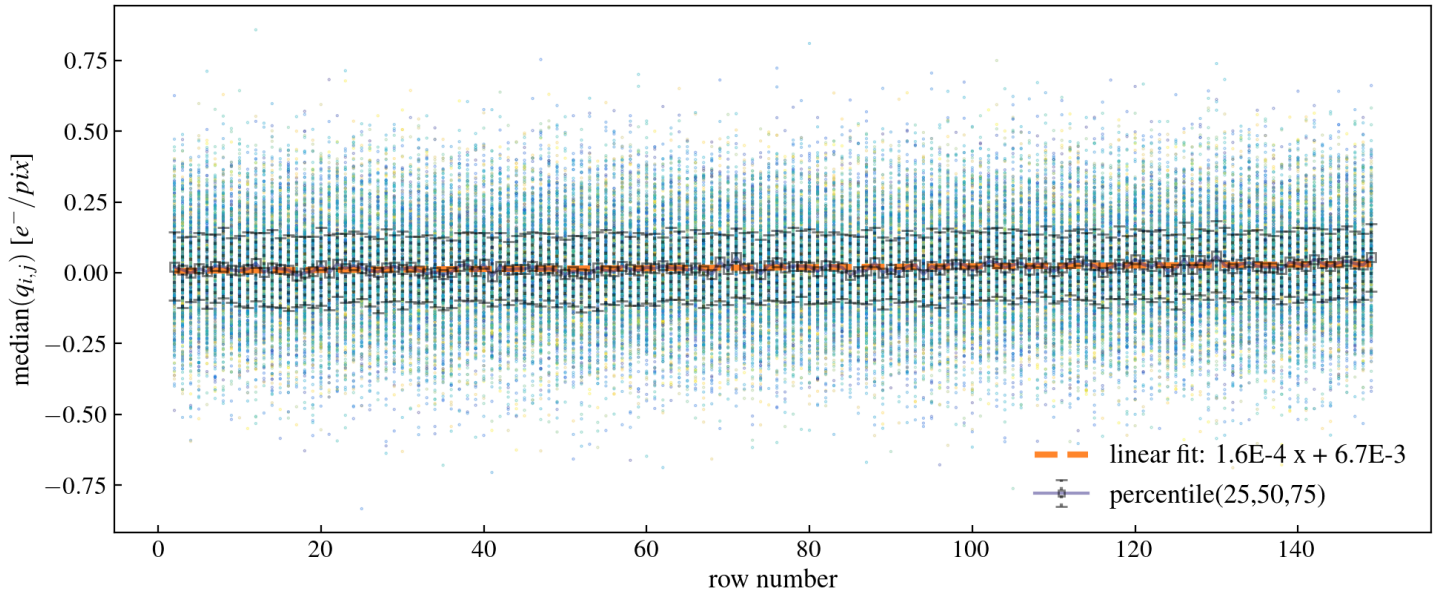


Figure 5: Active area. Baseline vs row

Active area. Baseline vs row [ONLY MEDIAN VALUES]  
[class MESensorMedianperRow]

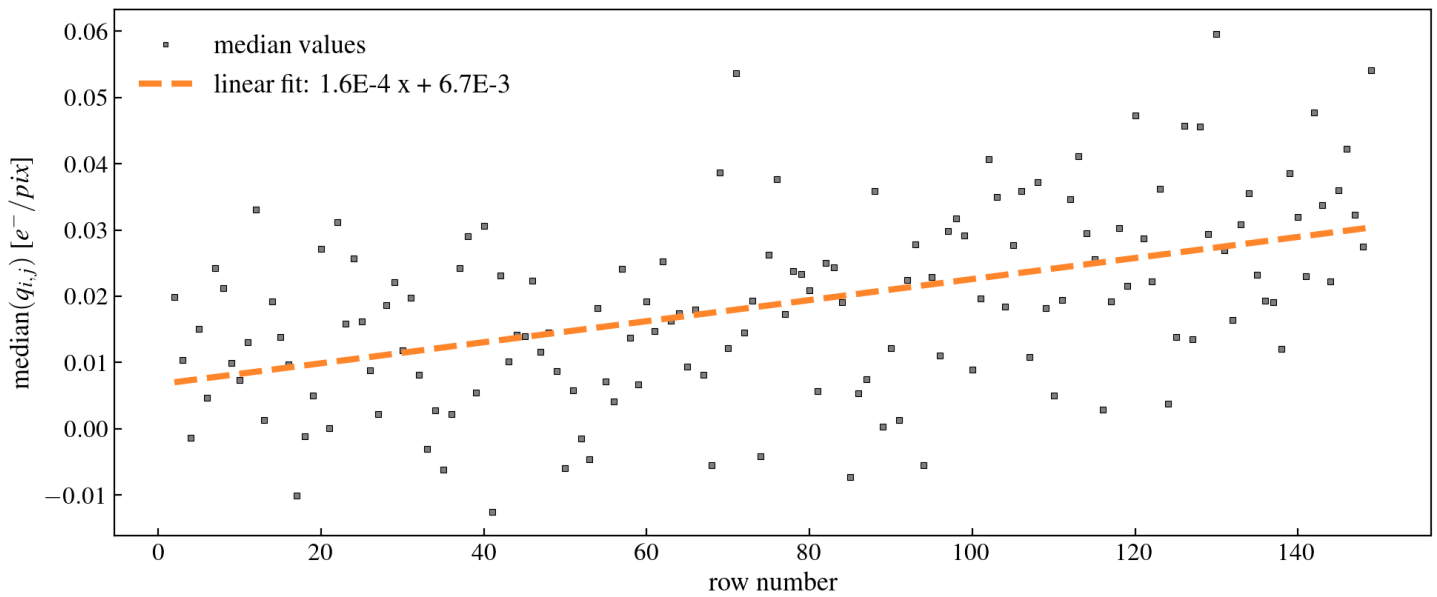


Figure 6: Active area. Baseline vs row

Active area. MAD vs row  
[class MESensorMADperRow]

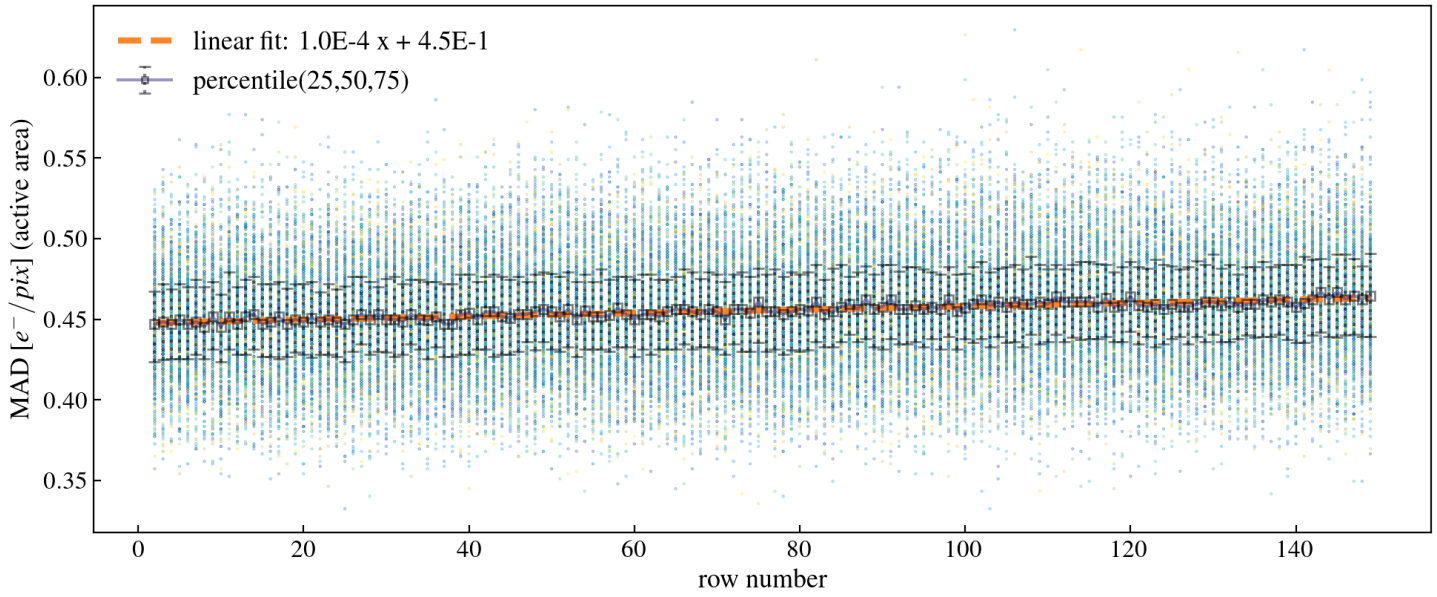


Figure 7: Active area. MAD vs row

Active area. MAD vs row [ONLY MEDIAN VALUES]  
[class MESensorMADperRow]

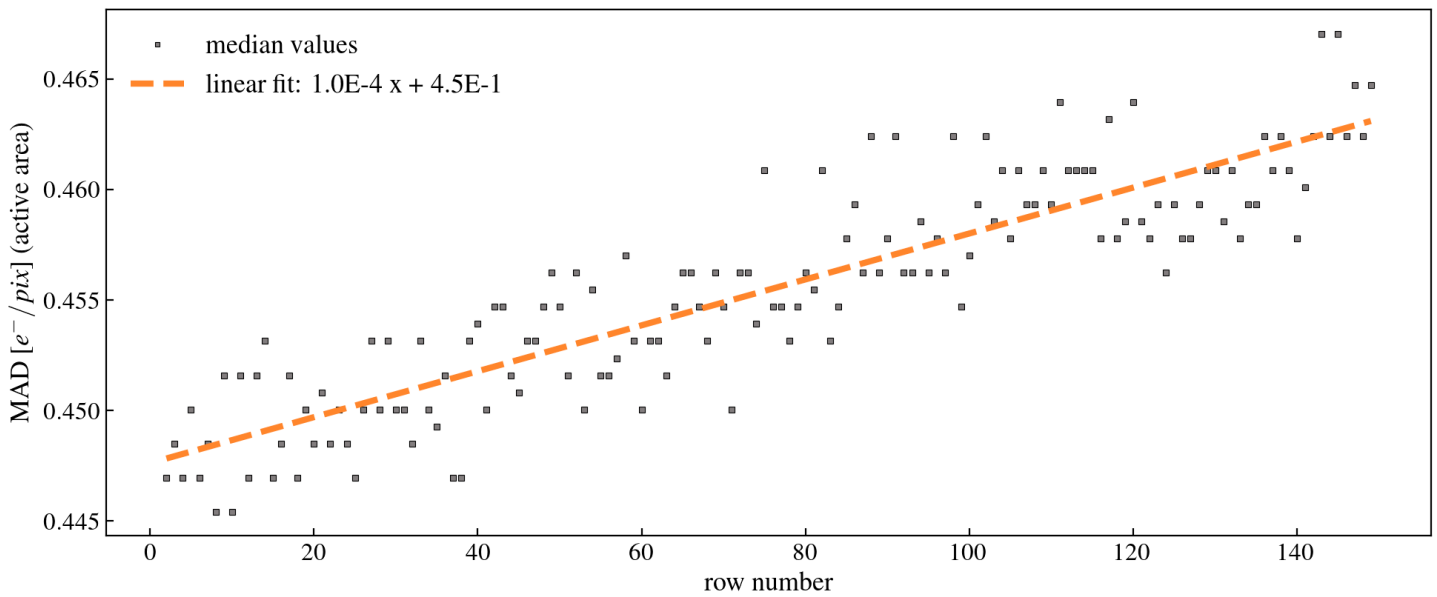


Figure 8: Active area. MAD vs row

Full Image. Baseline vs column  
[class MEImageMedianperCol]

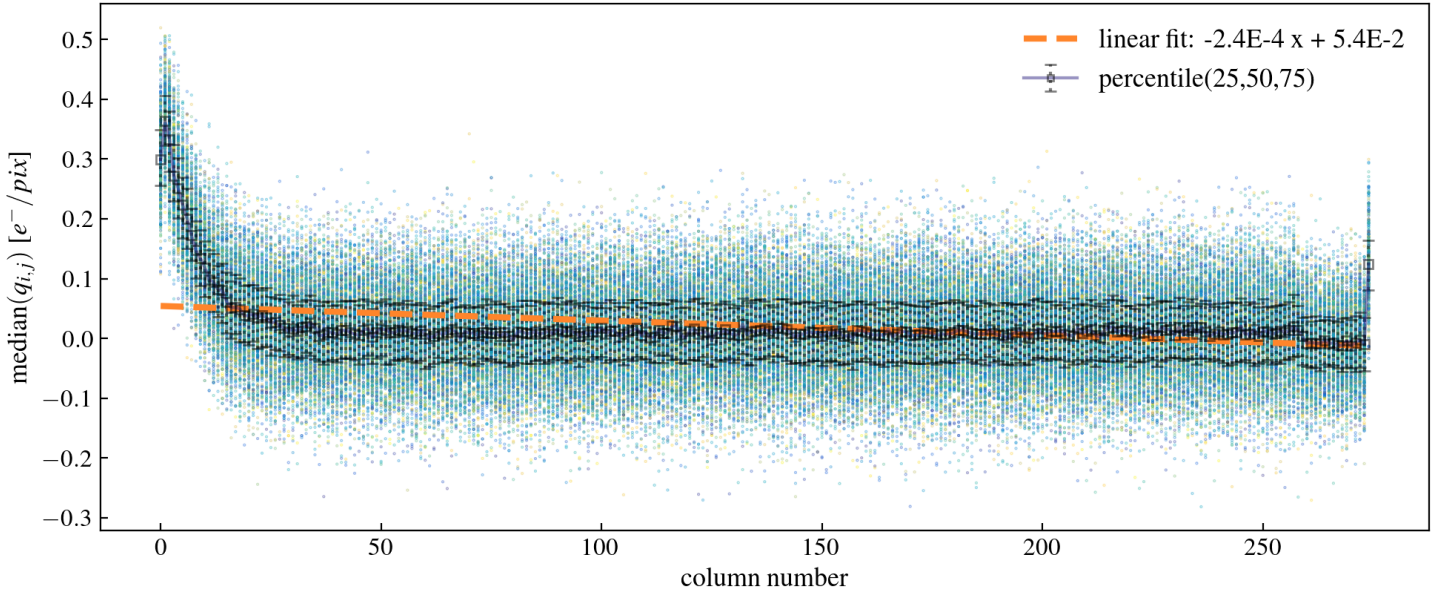


Figure 9: Full Image. Baseline vs column

Full Image. Baseline vs column [ONLY MEDIAN VALUES]  
[class MEImageMedianperCol]

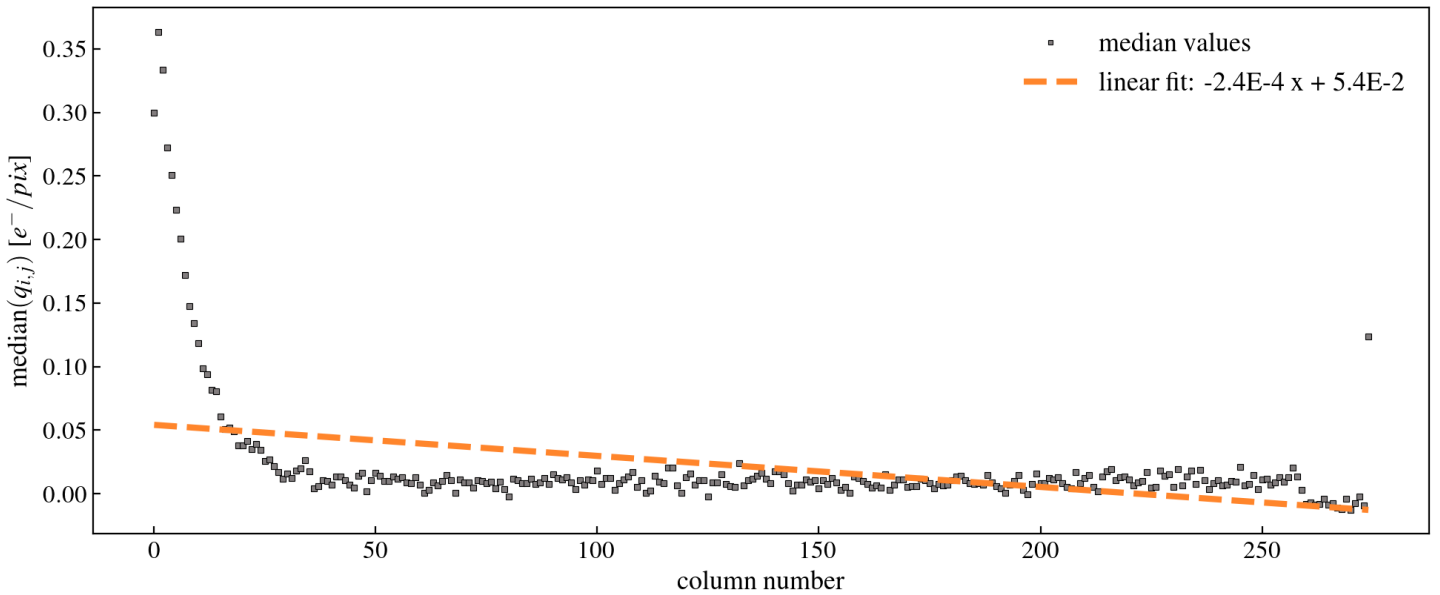


Figure 10: Full Image. Baseline vs column

Full Image. MAD vs column  
[class MEImageMADperCol]

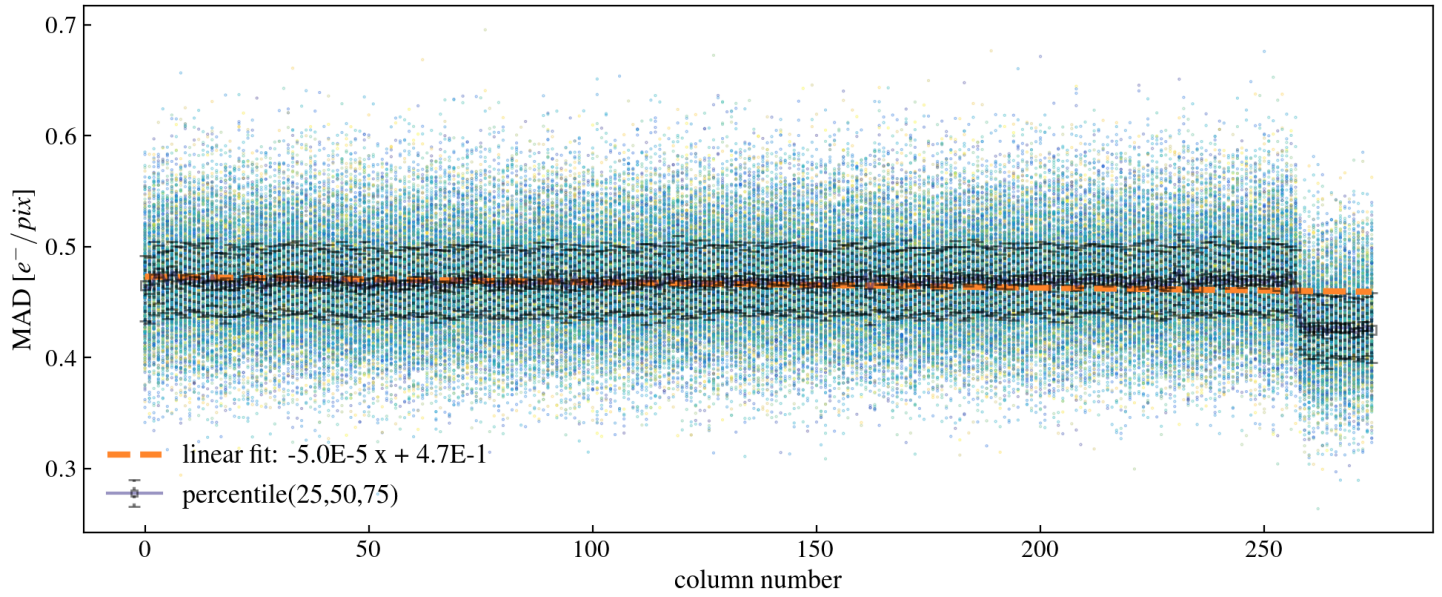


Figure 11: Full Image. MAD vs column

Full Image. MAD vs column [ONLY MEDIAN VALUES]  
[class MEImageMADperCol]

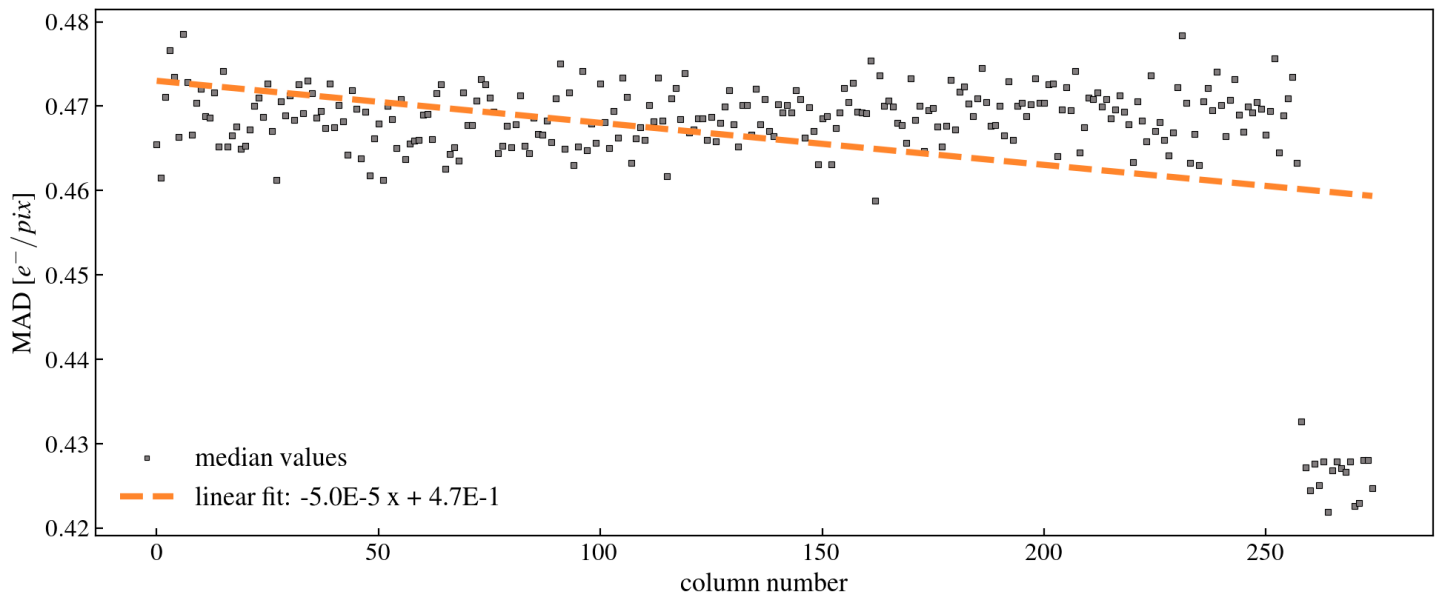


Figure 12: Full Image. MAD vs column

Overscan. Baseline vs row  
[class MEOverscanMedianperRow]

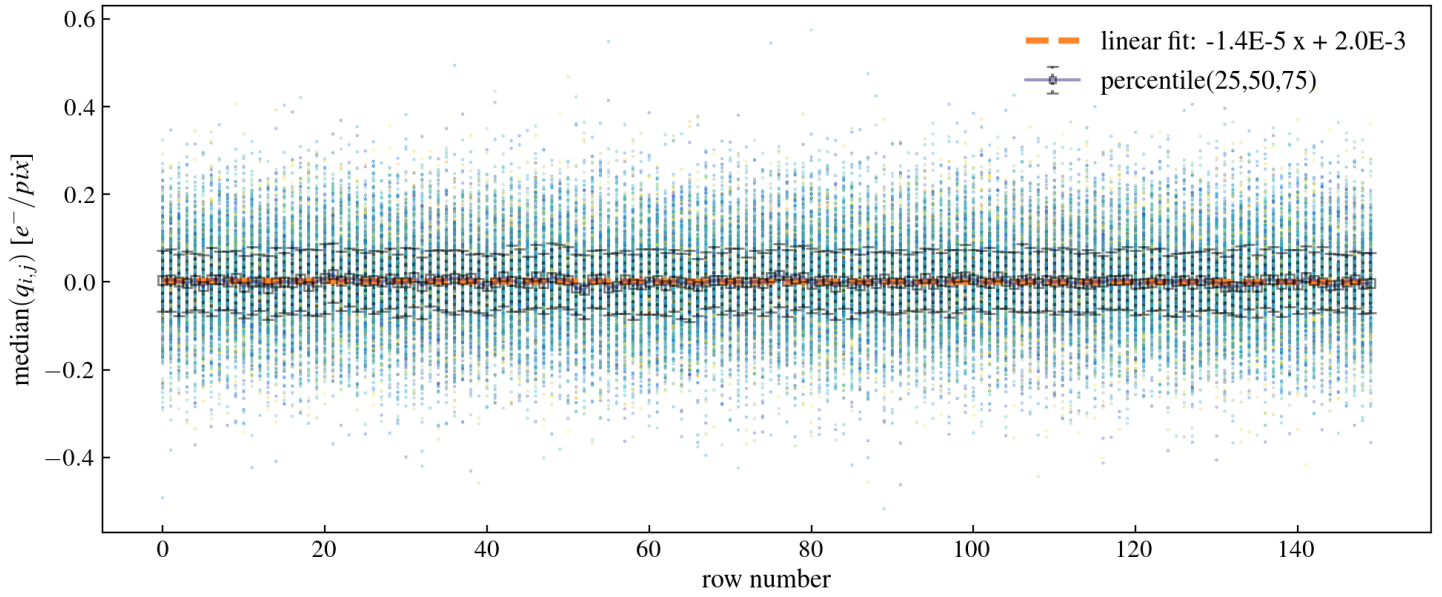


Figure 13: Overscan. Baseline vs row

Overscan. Baseline vs row [ONLY MEDIAN VALUES]  
[class MEOverscanMedianperRow]

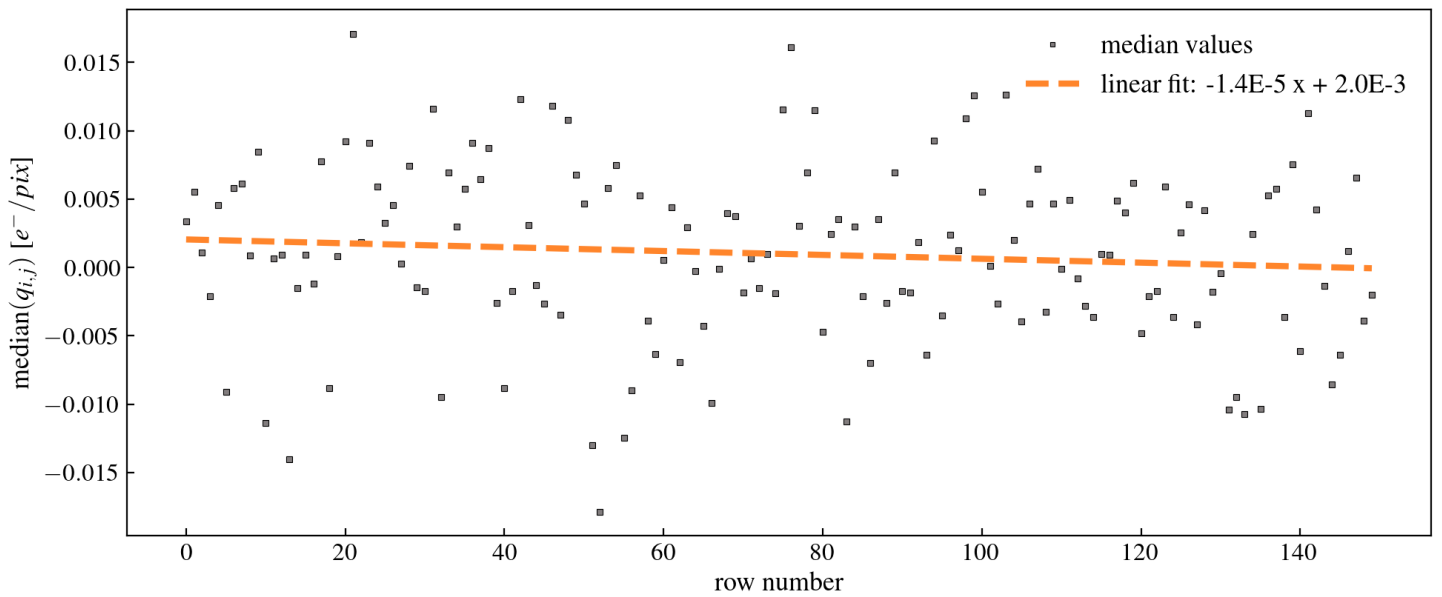


Figure 14: Overscan. Baseline vs row



Overscan. MAD vs row  
[class MEOverscanMADperRow]

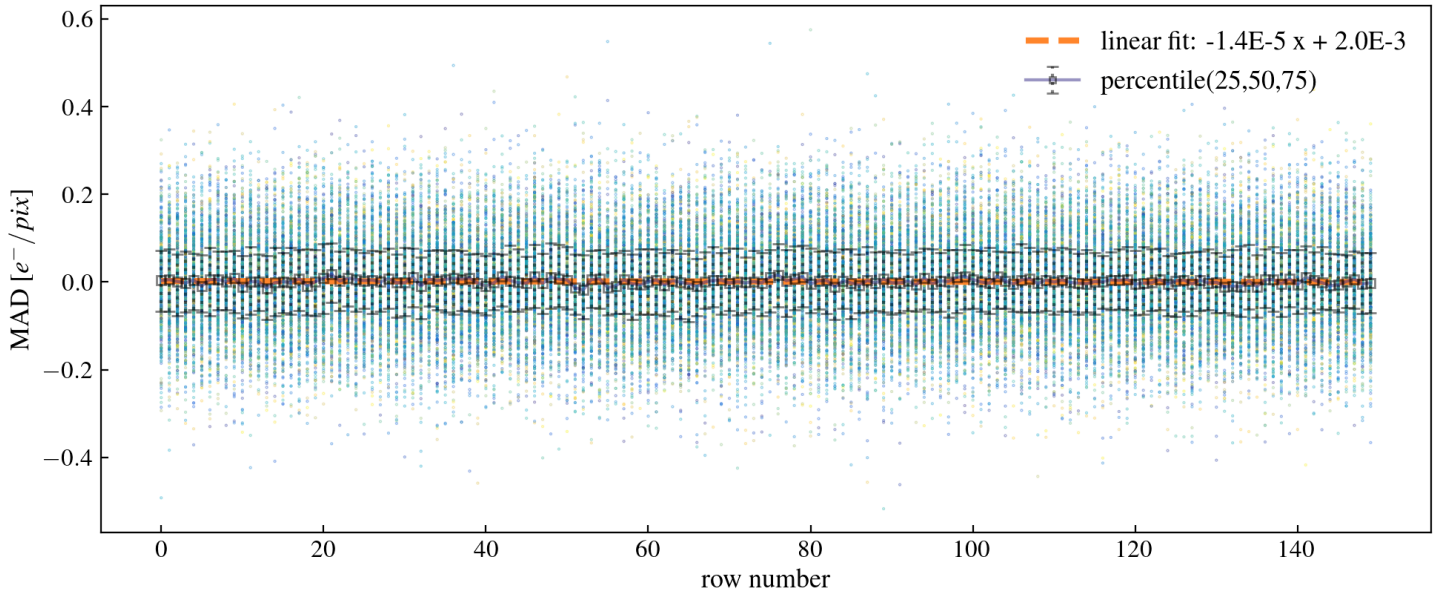


Figure 15: Overscan. MAD vs row

Overscan. MAD vs row [ONLY MEDIAN VALUES]  
[class MEOverscanMADperRow]

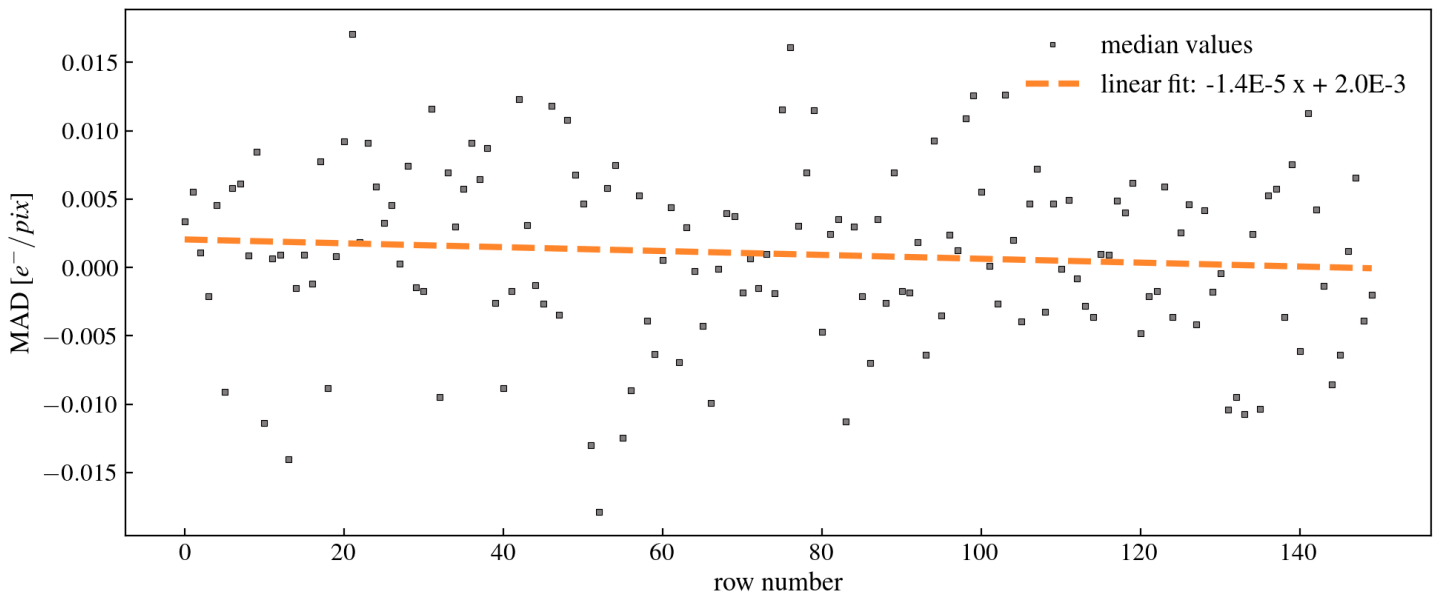


Figure 16: Overscan. MAD vs row

PedestalSubtractionProcess: mean pedestal vs file (gauss fit)  
[class MEPedestalMu]

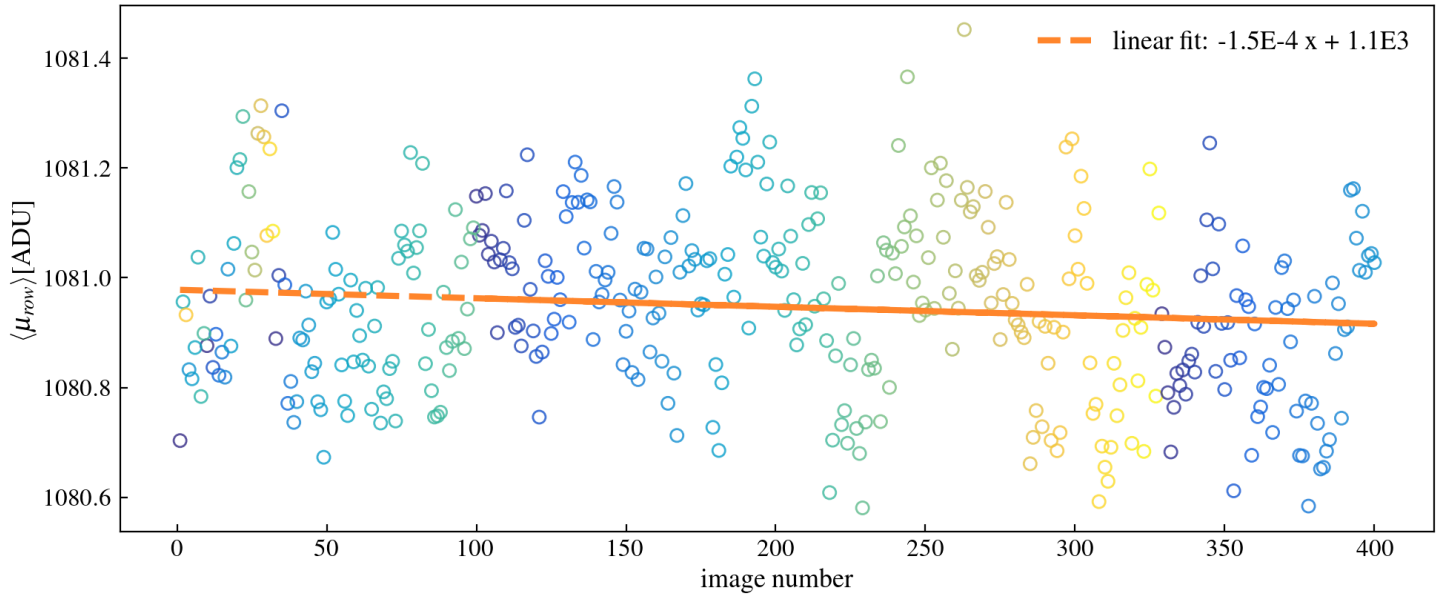


Figure 17: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

PedestalSubtractionProcess: mean sigma vs file (gauss fit)  
[class MEPedestalSigma]

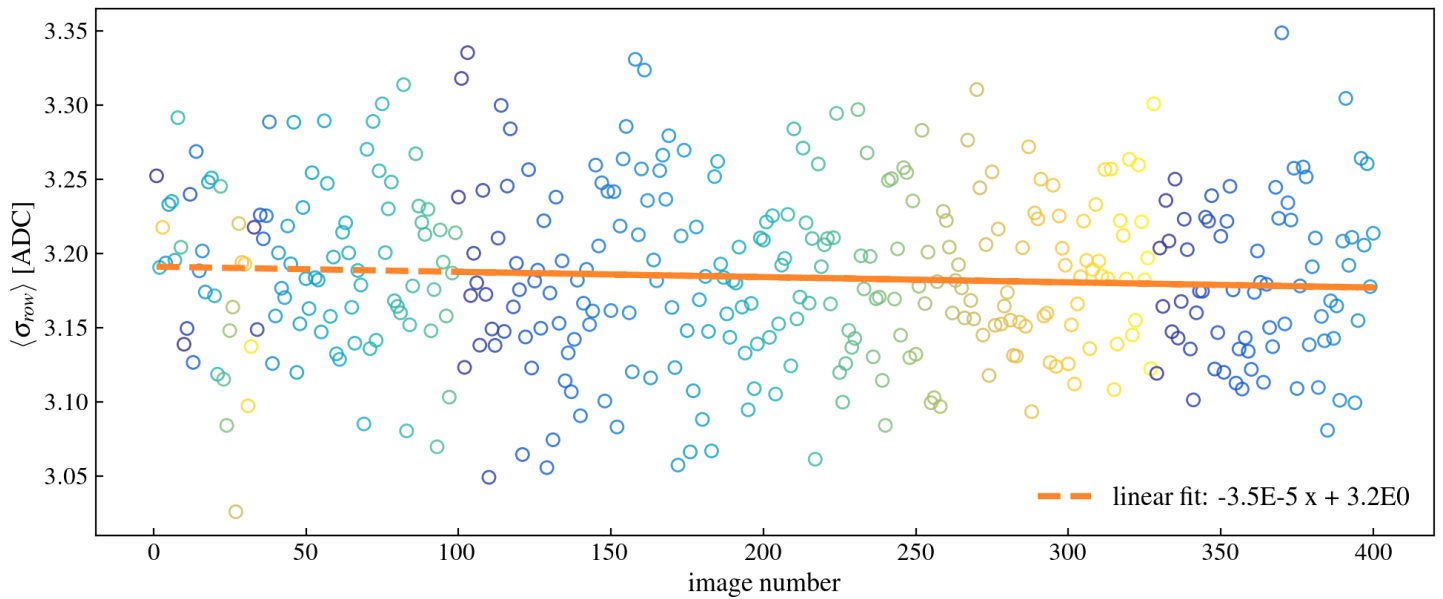


Figure 18: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

Masked pixels [run 282]: frequency  
[class MEMaskedPixels]

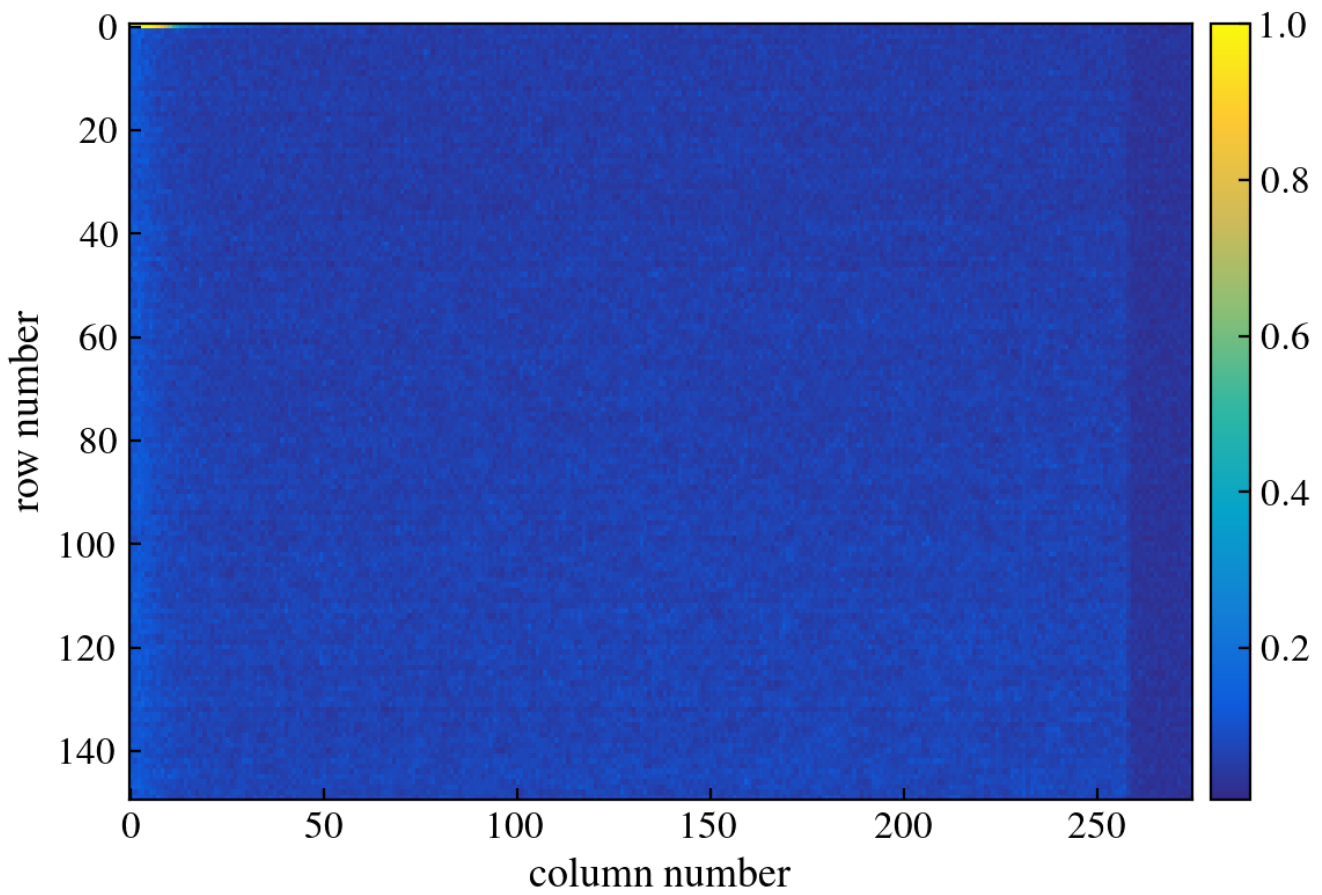


Figure 19: Masked pixels

Masked pixels [run 282]: mask  
12 masked pixels  
[class MEMaskedPixels]

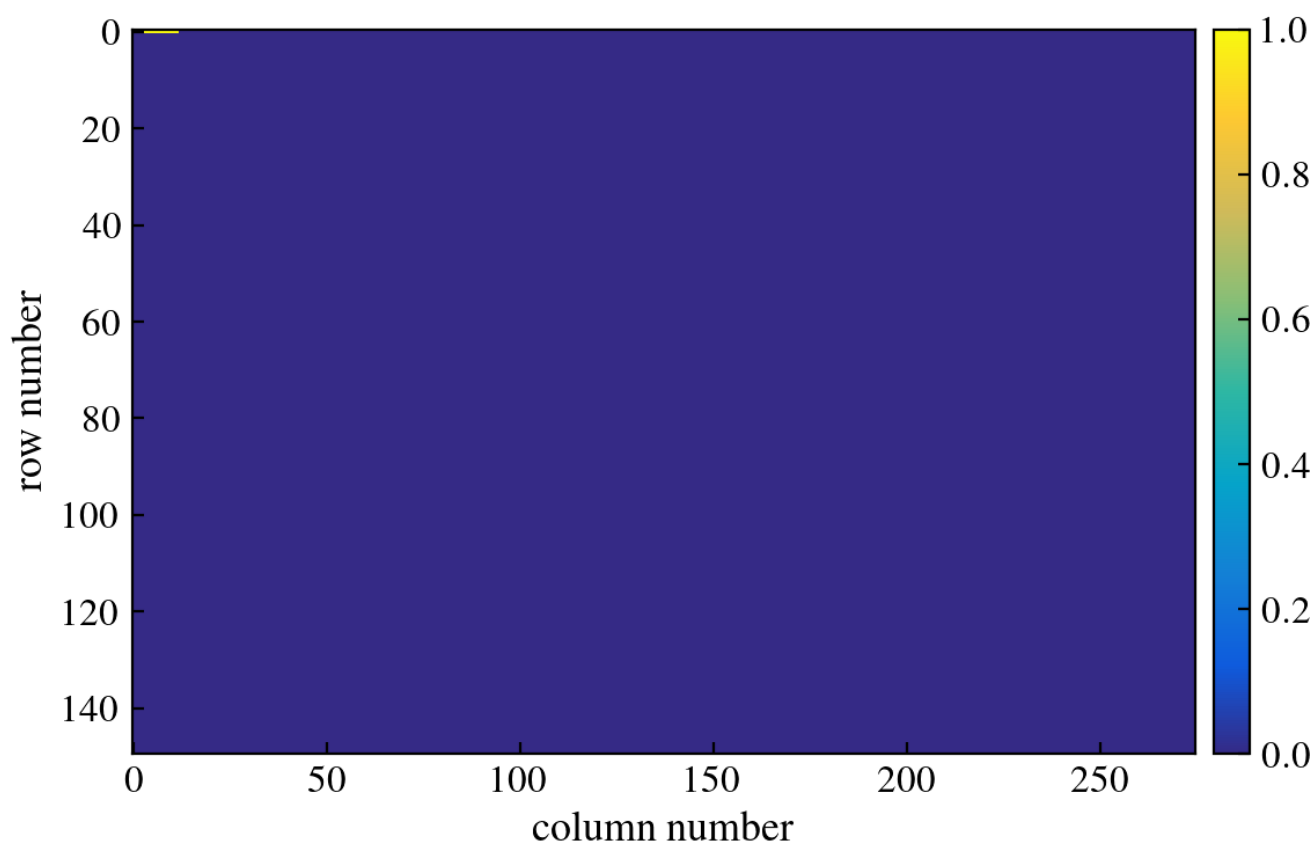


Figure 20: Masked pixels

Single Pixel Energy Distribution [w/ 5.3 ADC/e- and 3.77eV/e-]  
[class MESinglePED]

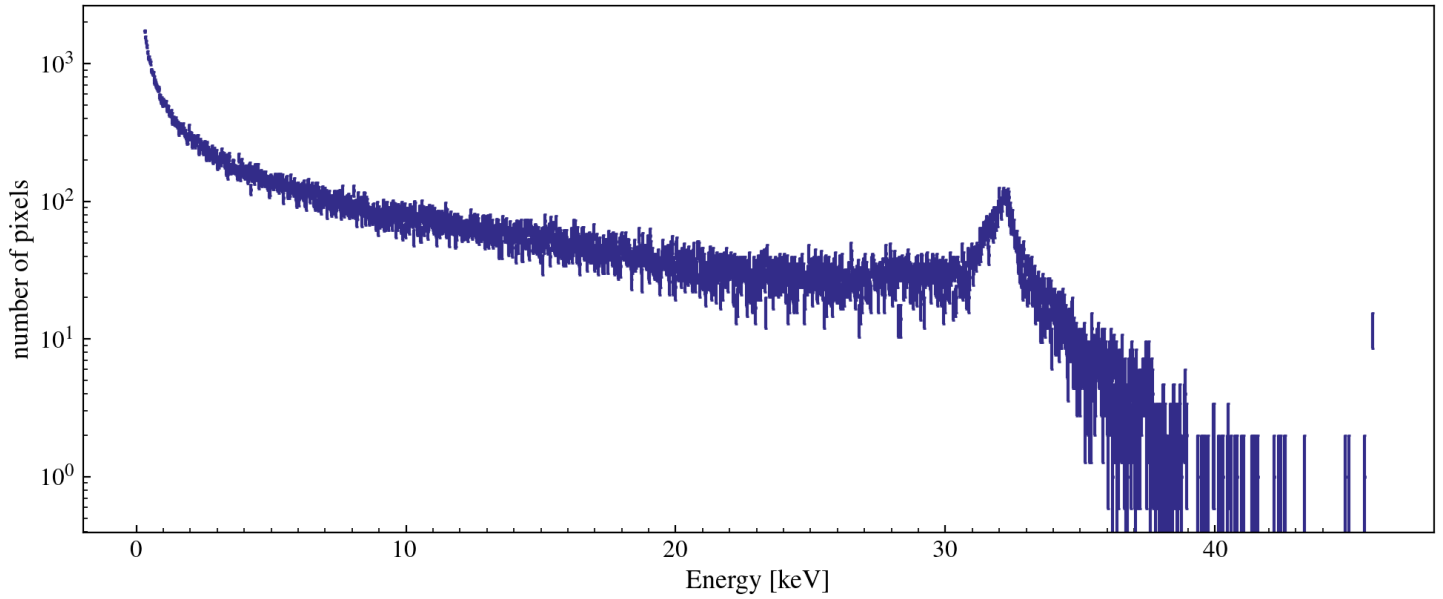


Figure 21: Number of pixels with  $E > 300.0$  eV vs file

Number of pixels with  $E > 300.0$  eV vs file  
[class MESinglePED]

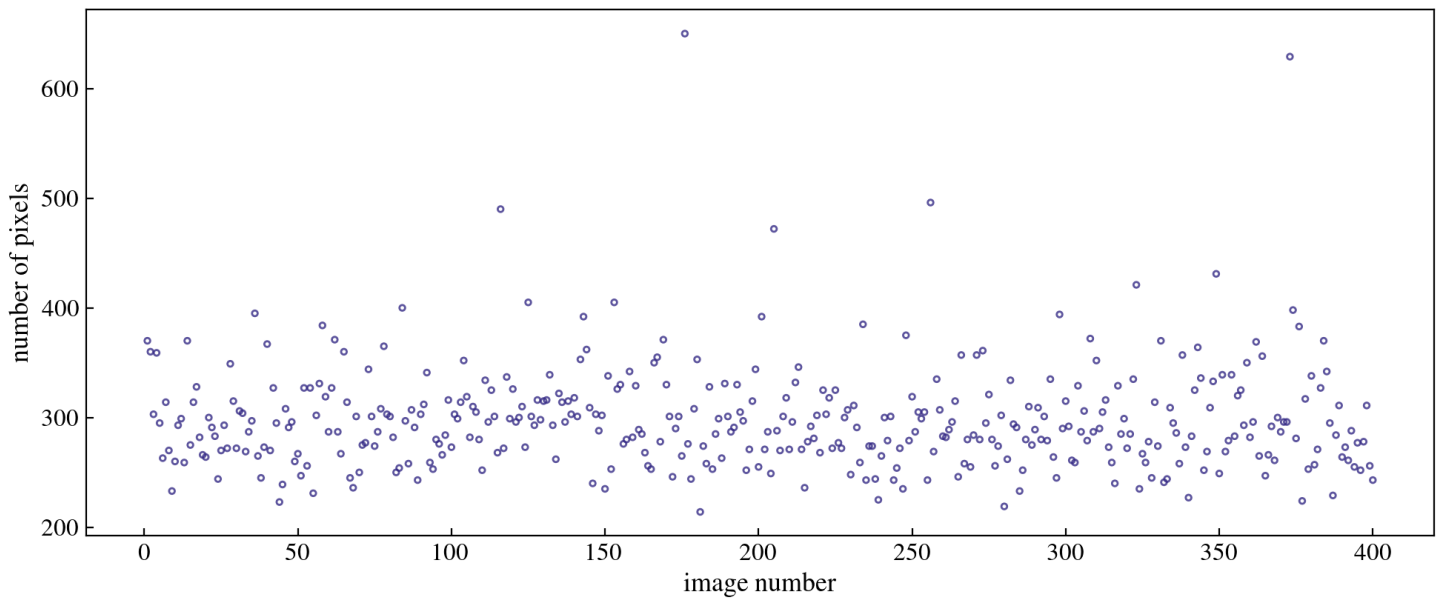


Figure 22: Number of pixels with  $E > 300.0$  eV vs file