DQM Report for run number 283

pysimdamicm.dqm.dqm_manager

May 10, 2021

Data directory:
`/data/calidaq_backup/DataTaking/Co57/Run_283`
Output directory:
`/data/chicago/ComptonData/WADERS/Co57`
Reference used:
`None`
Total images: 400

List of Figures

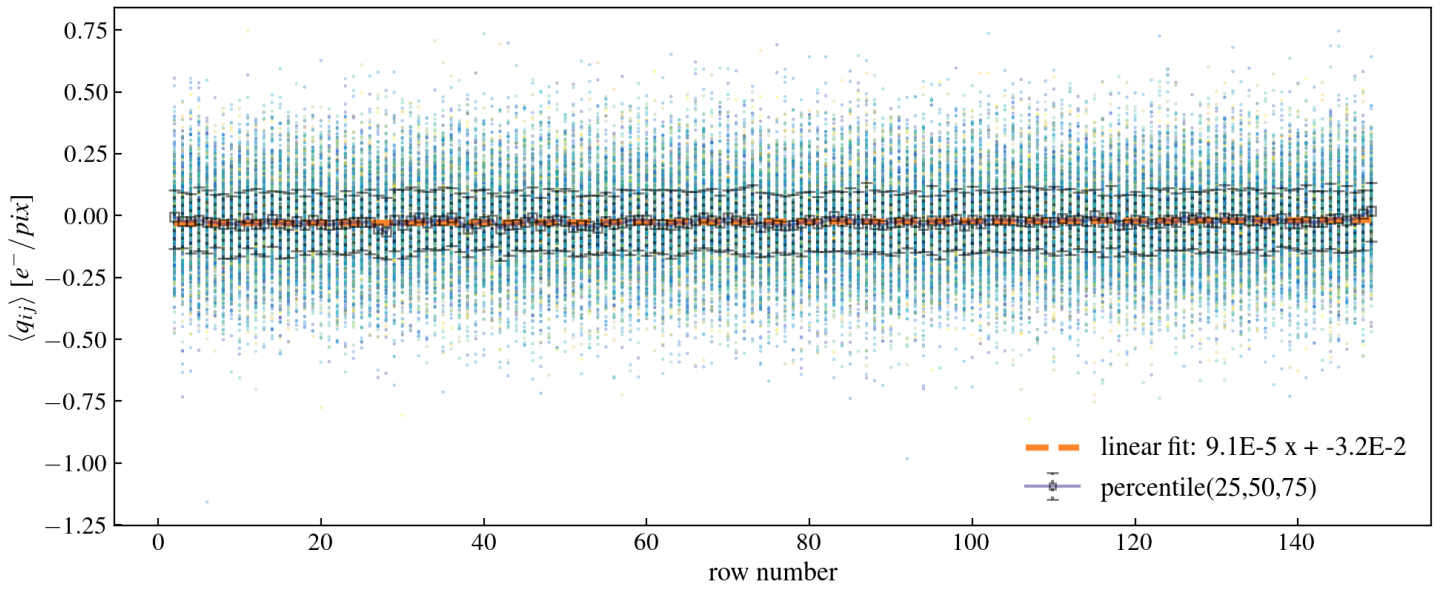Active Area. Median dark current (only $q_{i,j} < q_i^{th}$) vs row
[class MEMeanDCperRow]

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]
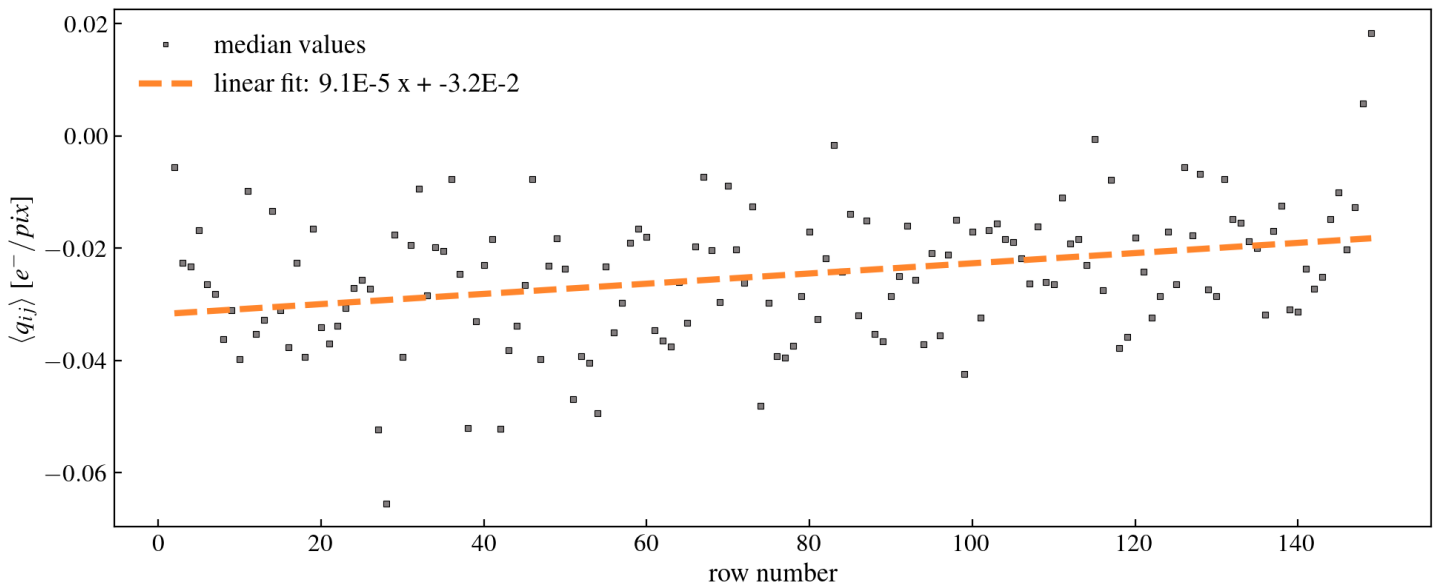[class MEMeanDCperRow]

Figure 2: Active Area. Median dark current (only $q_{i,j} < q_i^{th}$) vs row
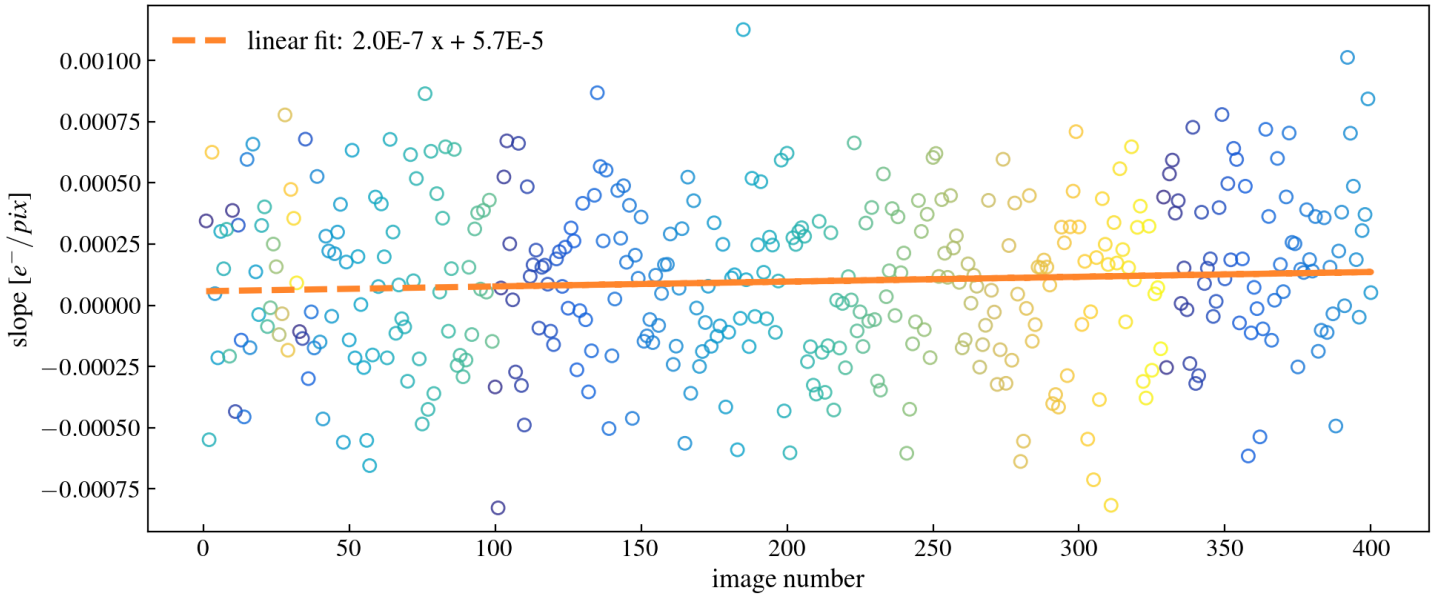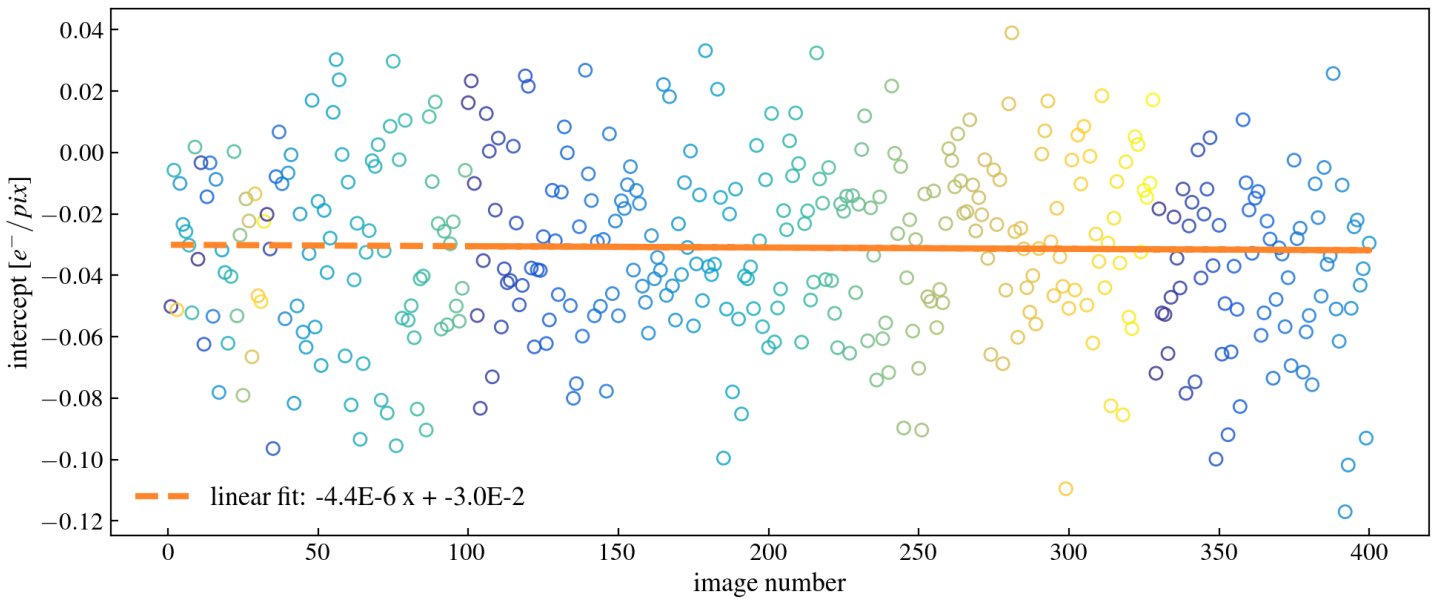
Figure 3: Slope DC fit (from MEMeanDCperRow) vs file

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

Active area. Baseline vs row
[class MESensorMedianperRow]

linear fit: 1.8E-4 x + 7.6E-3
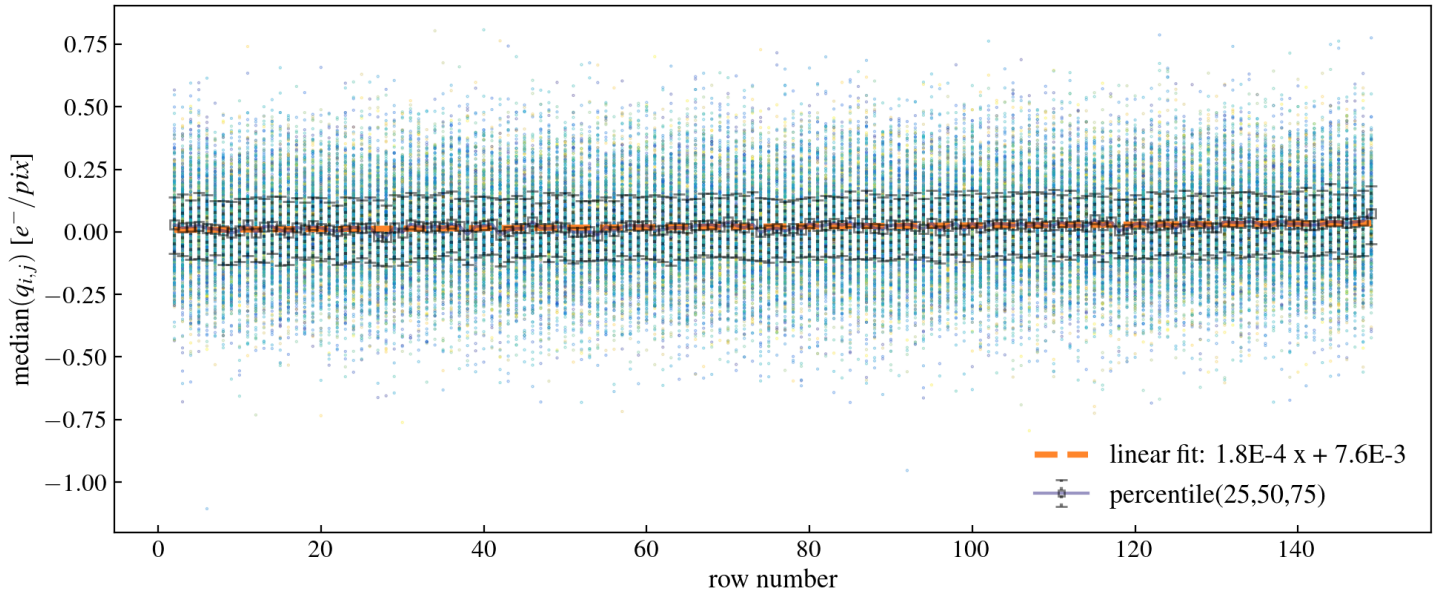
percentile(25,50,75)

Figure 5: Active area. Baseline vs row

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

median values

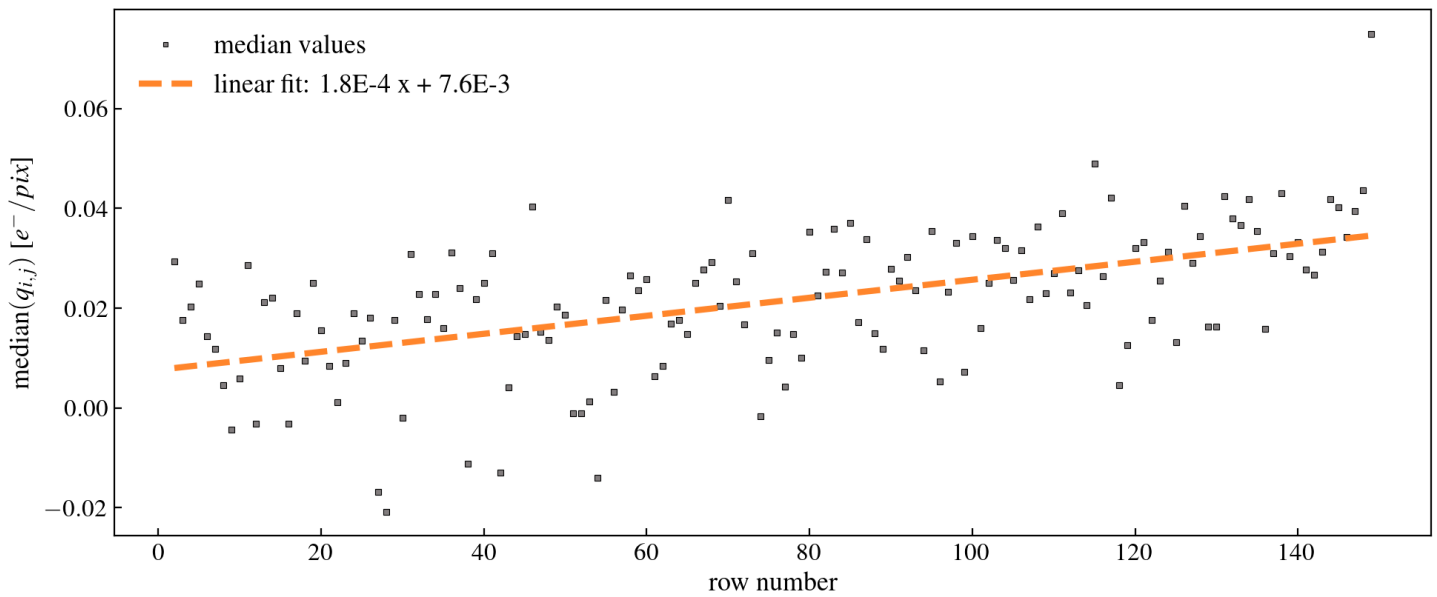linear fit: 1.8E-4 x + 7.6E-3

Figure 6: Active area. Baseline vs row

Active area. MAD vs row
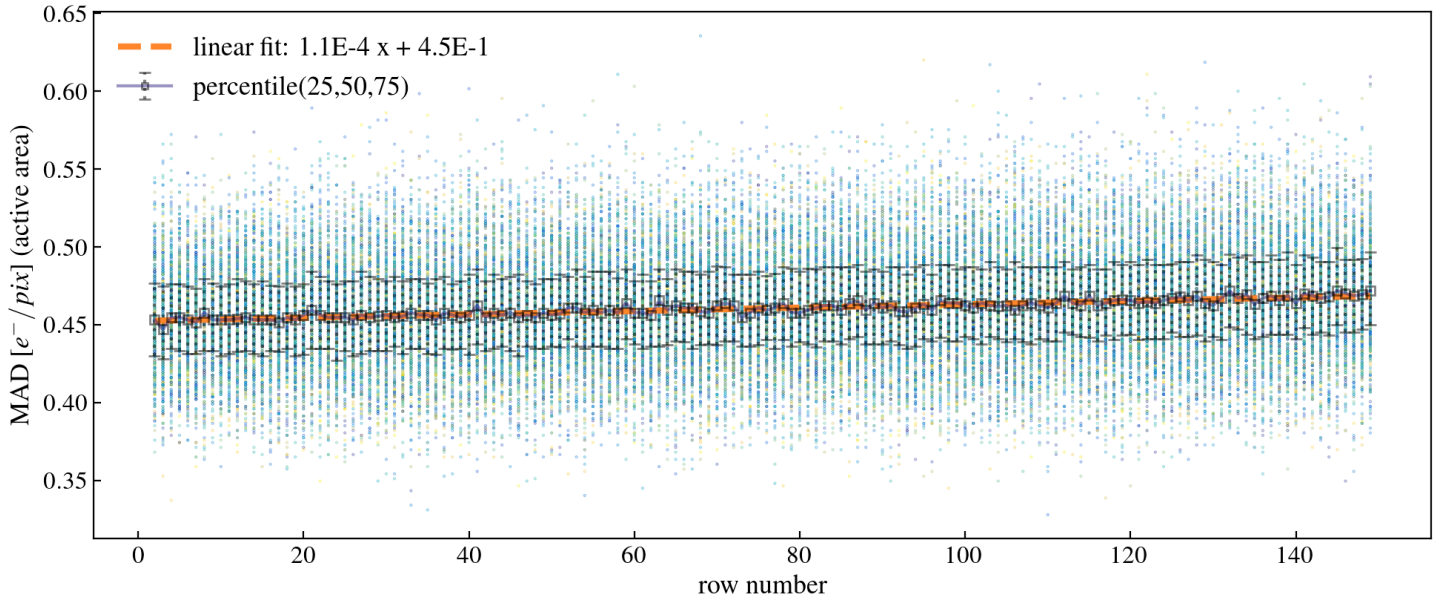## [class MESensorMADperRow]

Figure 7: Active area. MAD vs row

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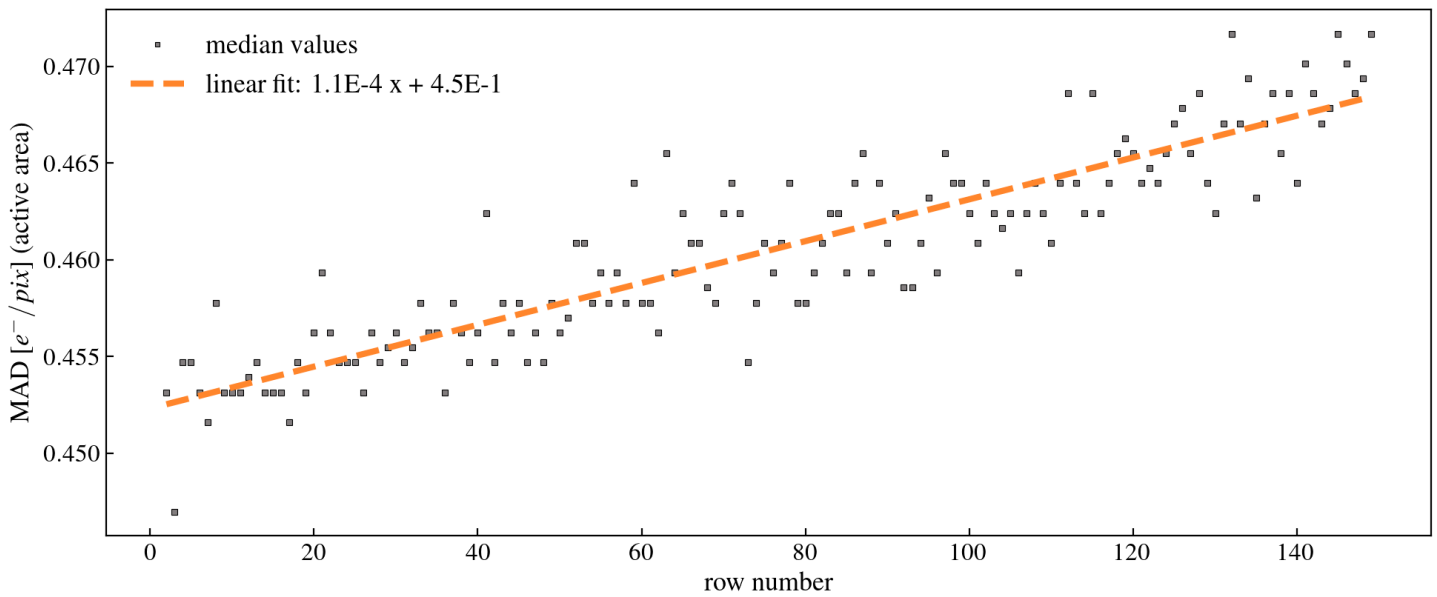## [class MESensorMADperRow]

Figure 8: Active area. MAD vs row

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Full Image. Baseline vs column
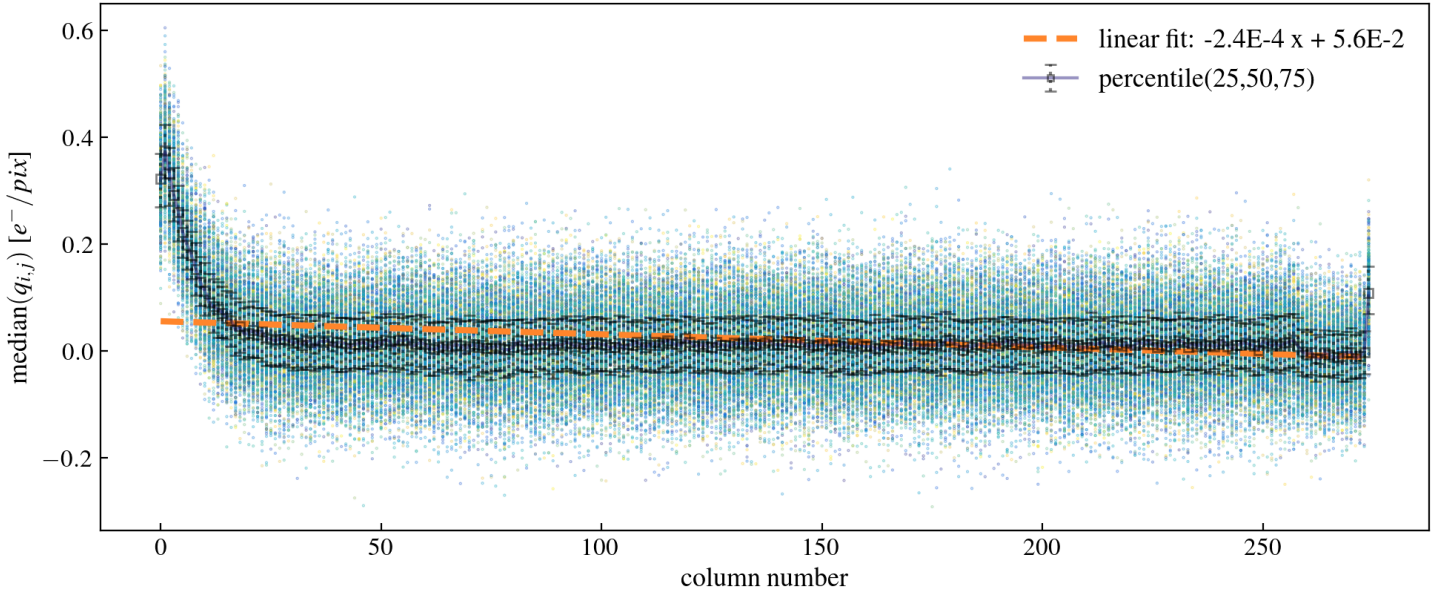[class MEImageMedianperCol]

Figure 9: Full Image. Baseline vs column

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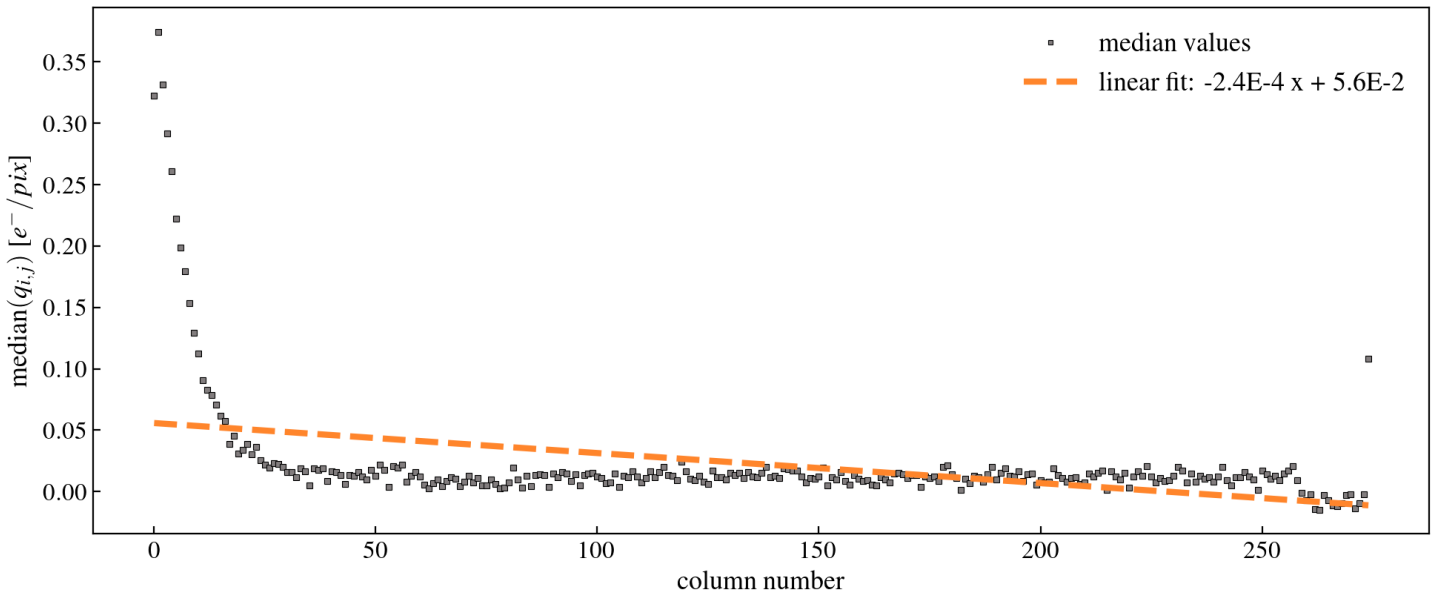[class MEImageMedianperCol]

Figure 10: Full Image. Baseline vs column

Full Image. MAD vs column
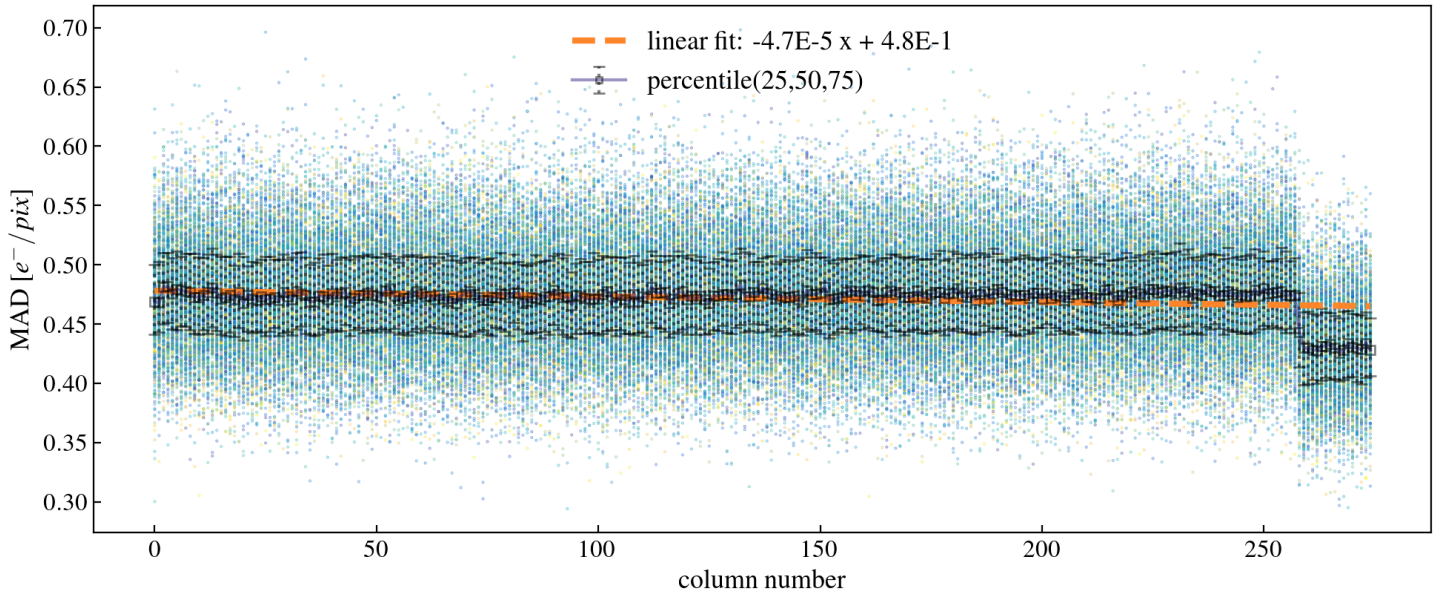## [class MEImageMADperCol]

Figure 11: Full Image. MAD vs column

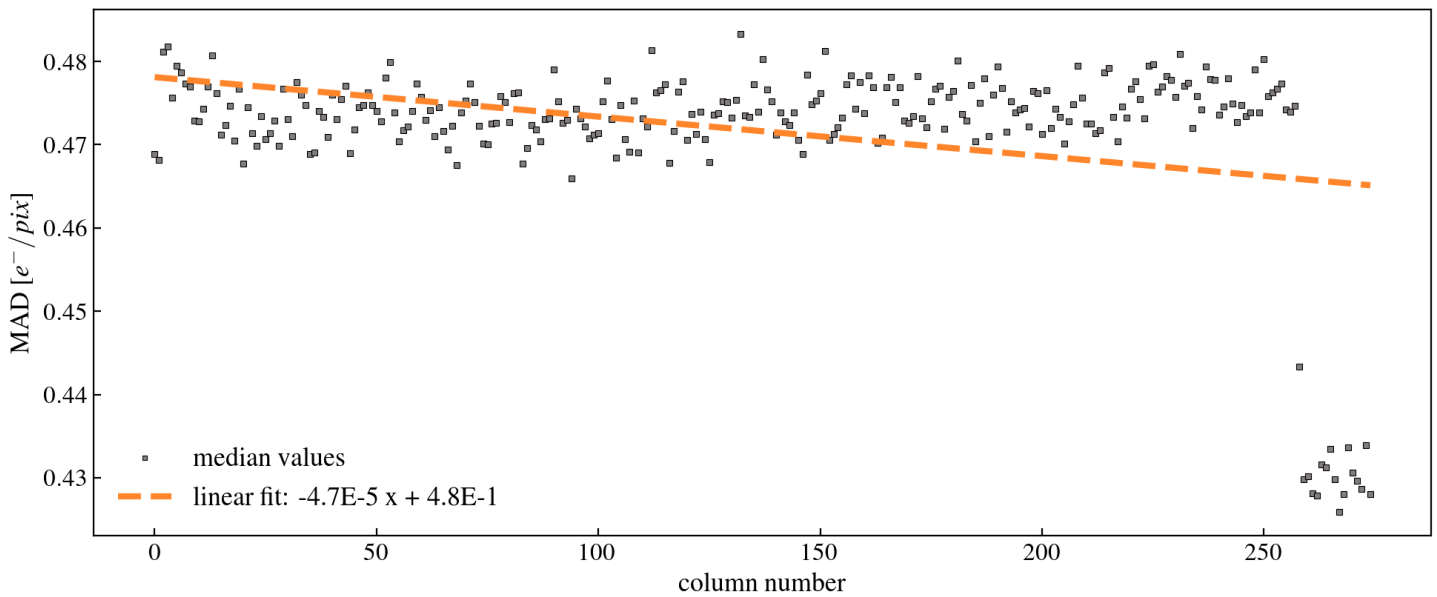## Full Image. MAD vs column [ONLY MEDIAN VALUES]
[class MEImageMADperCol]

Figure 12: Full Image. MAD vs column

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Overscan. Baseline vs row
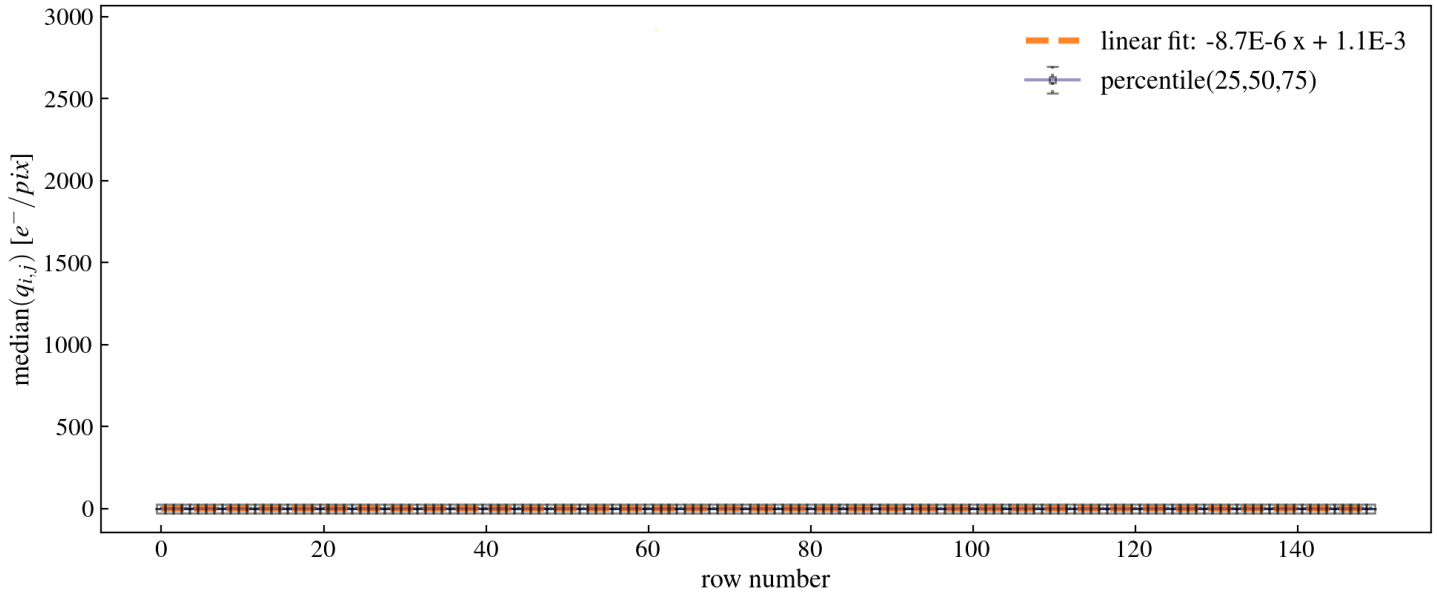## [class MEOverscanMedianperRow]

Figure 13: Overscan. Baseline vs row

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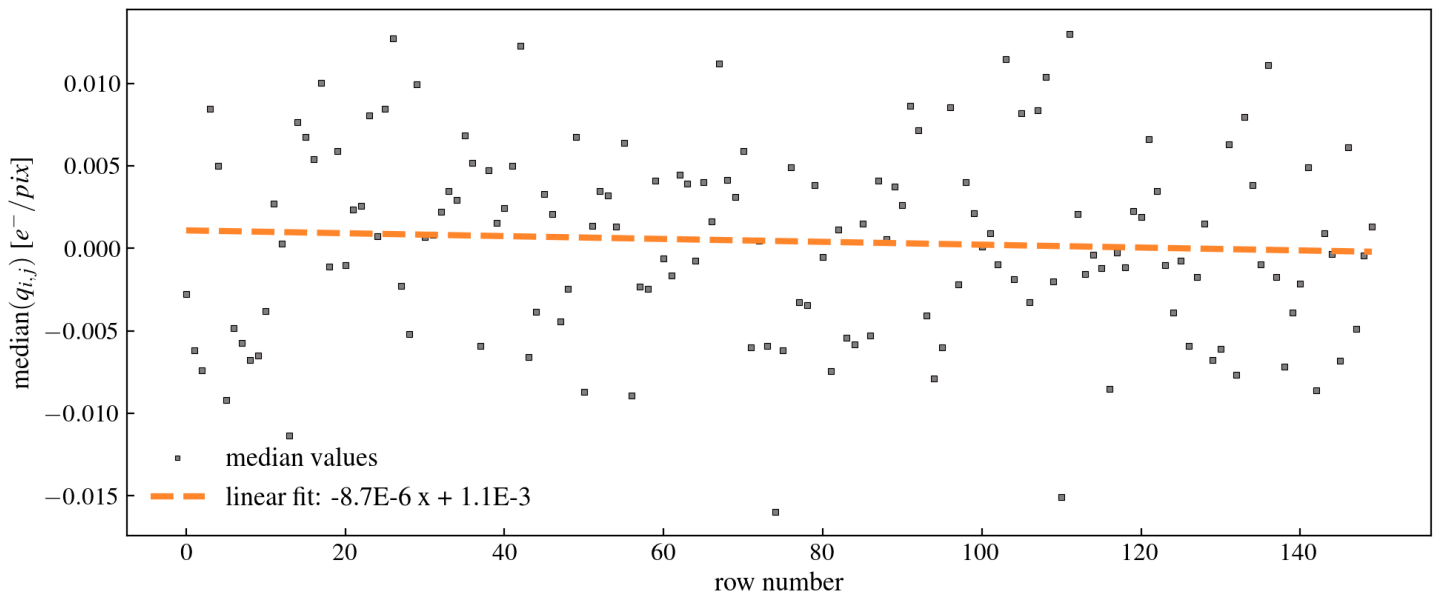## [class MEOverscanMedianperRow]

Figure 14: Overscan. Baseline vs row

Overscan. MAD vs row
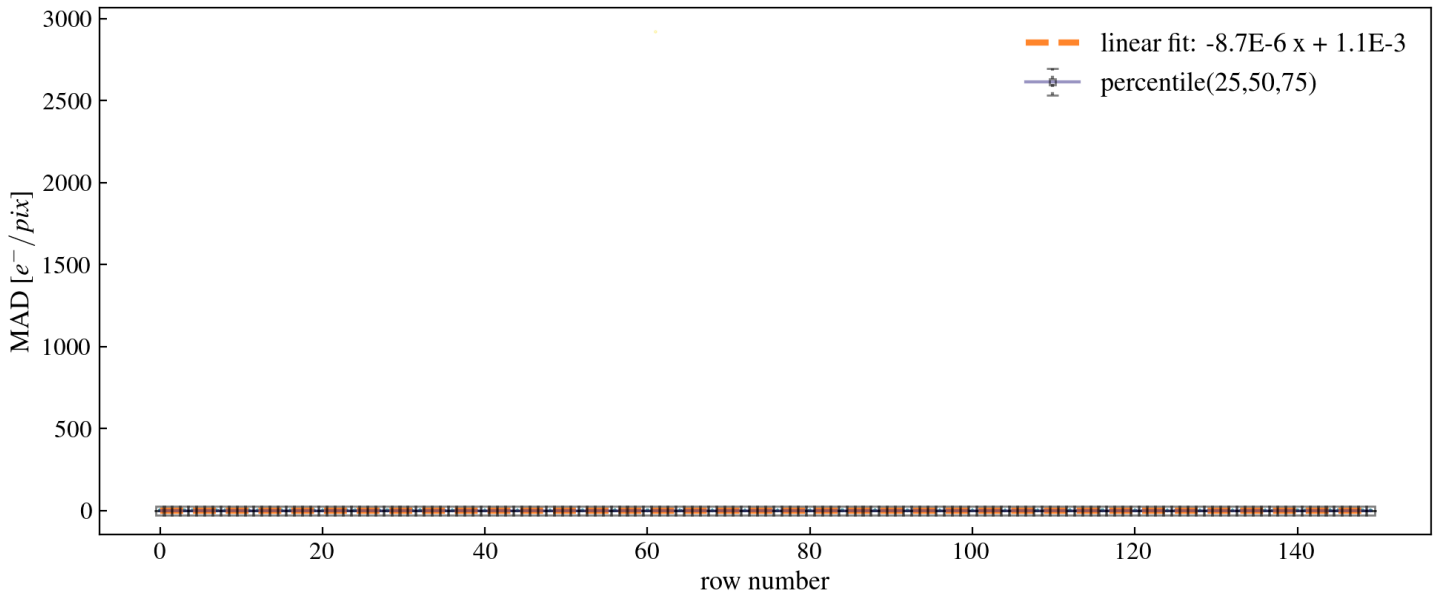## [class MEOverscanMADperRow]

Figure 15: Overscan. MAD vs row

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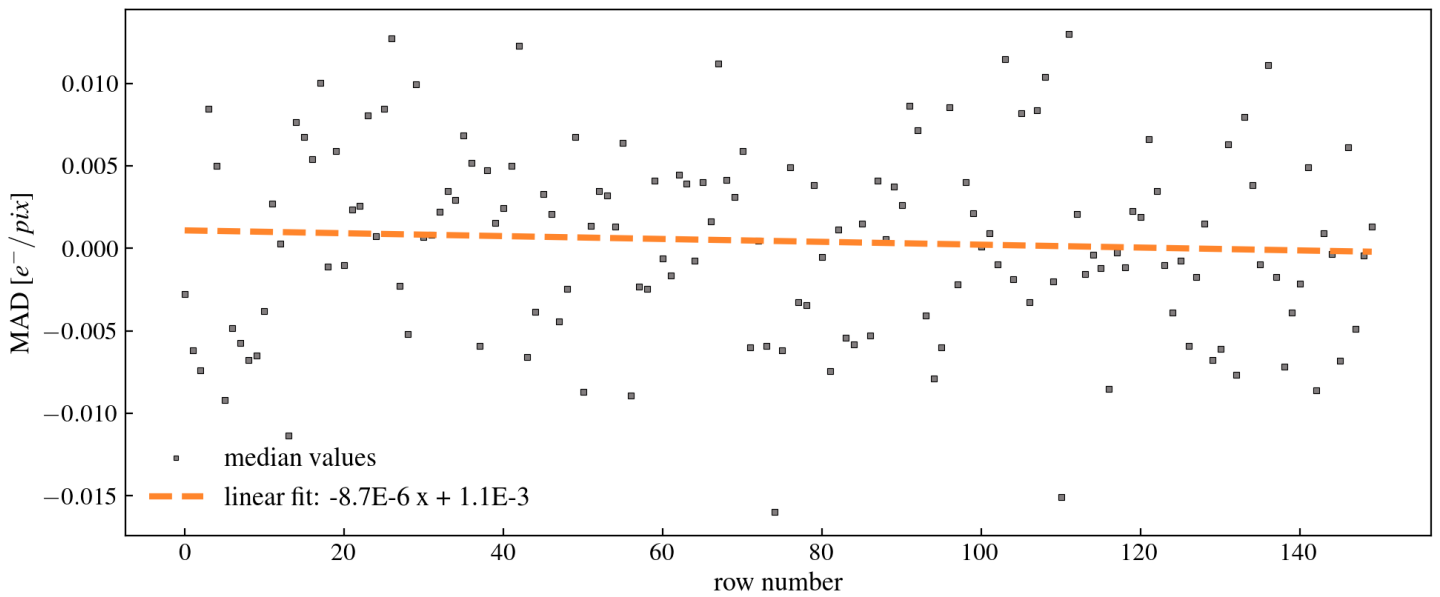## [class MEOverscanMADperRow]

Figure 16: Overscan. MAD vs row

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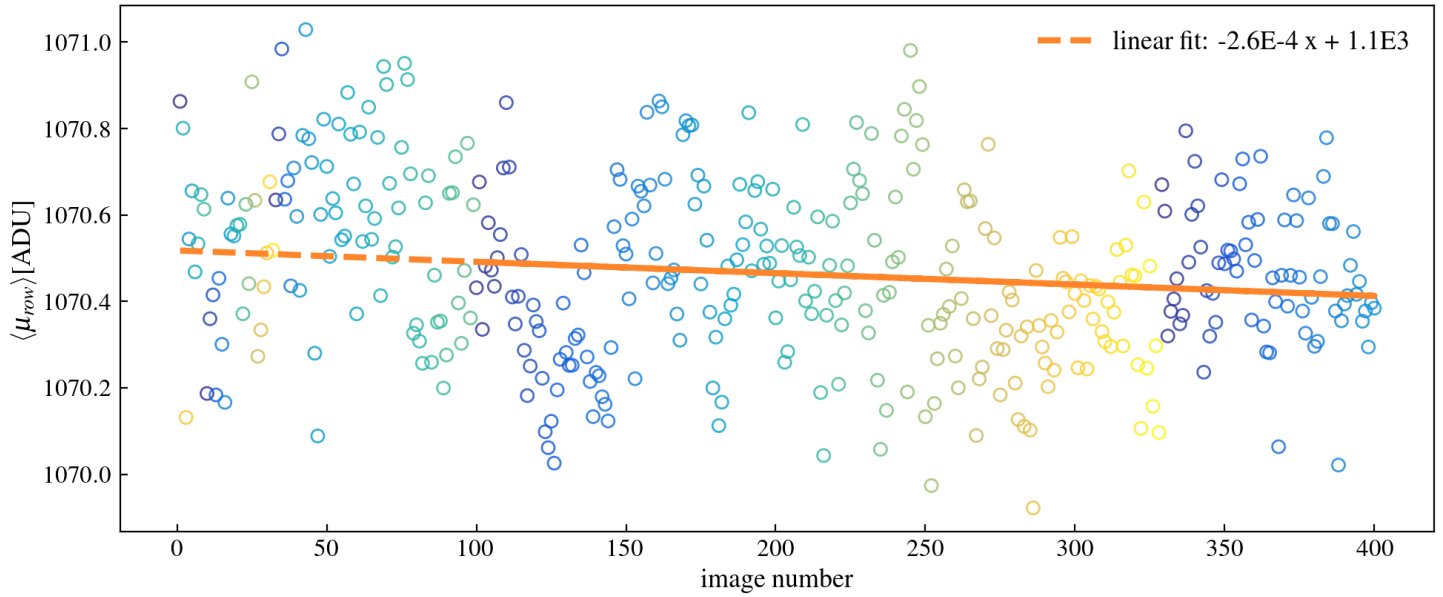## [class MEPedestalMu]

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

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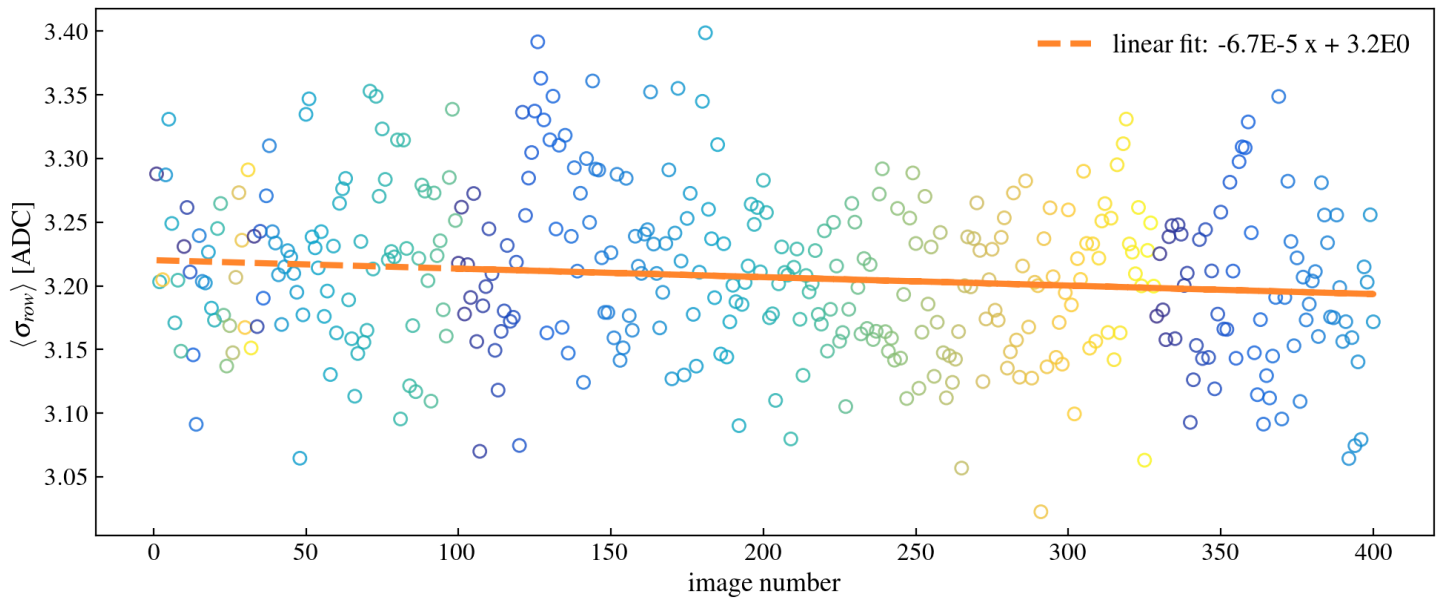## [class MEPedestalSigma]

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

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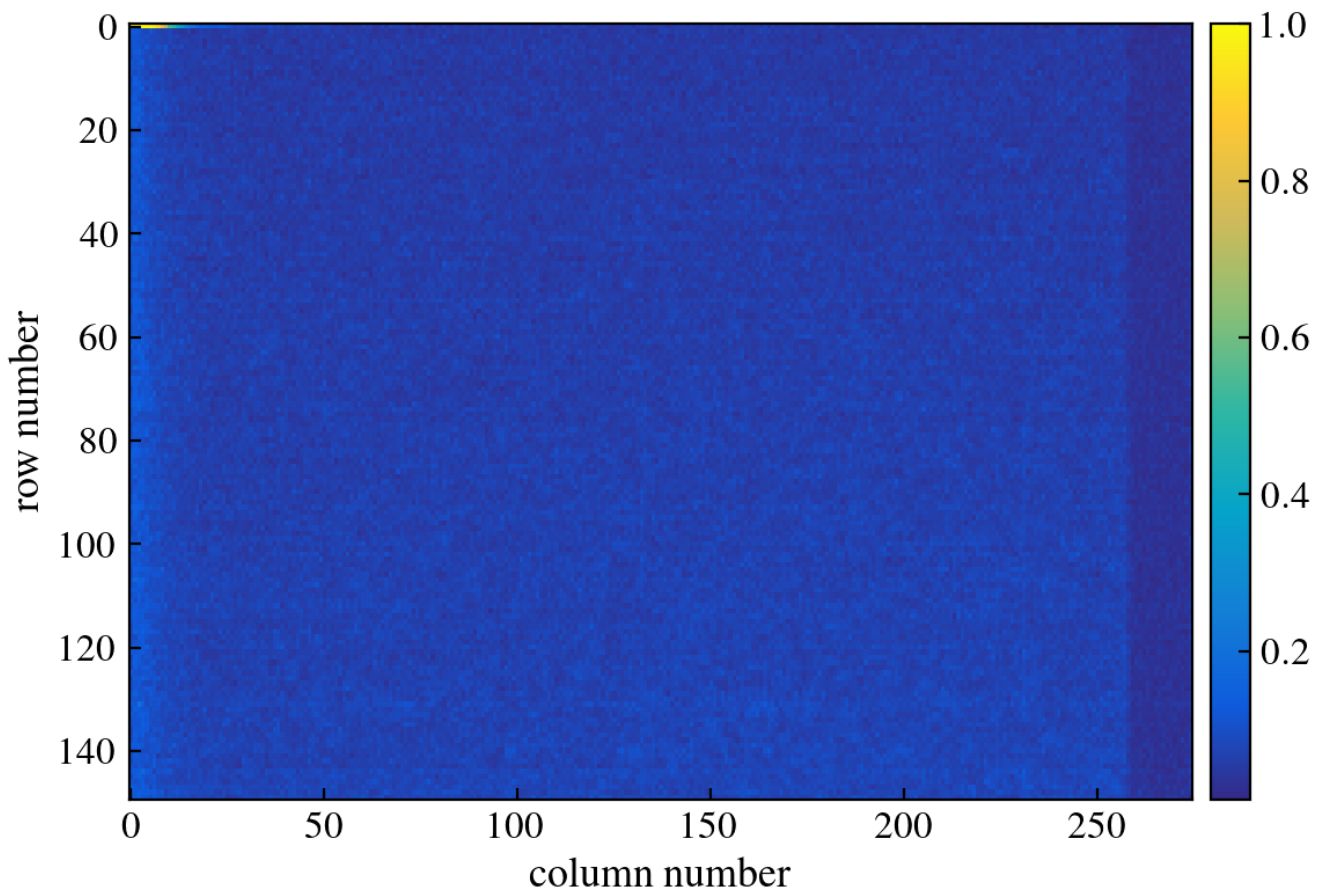# Masked pixels [run 283]: frequency
[class MEMaskedPixels]
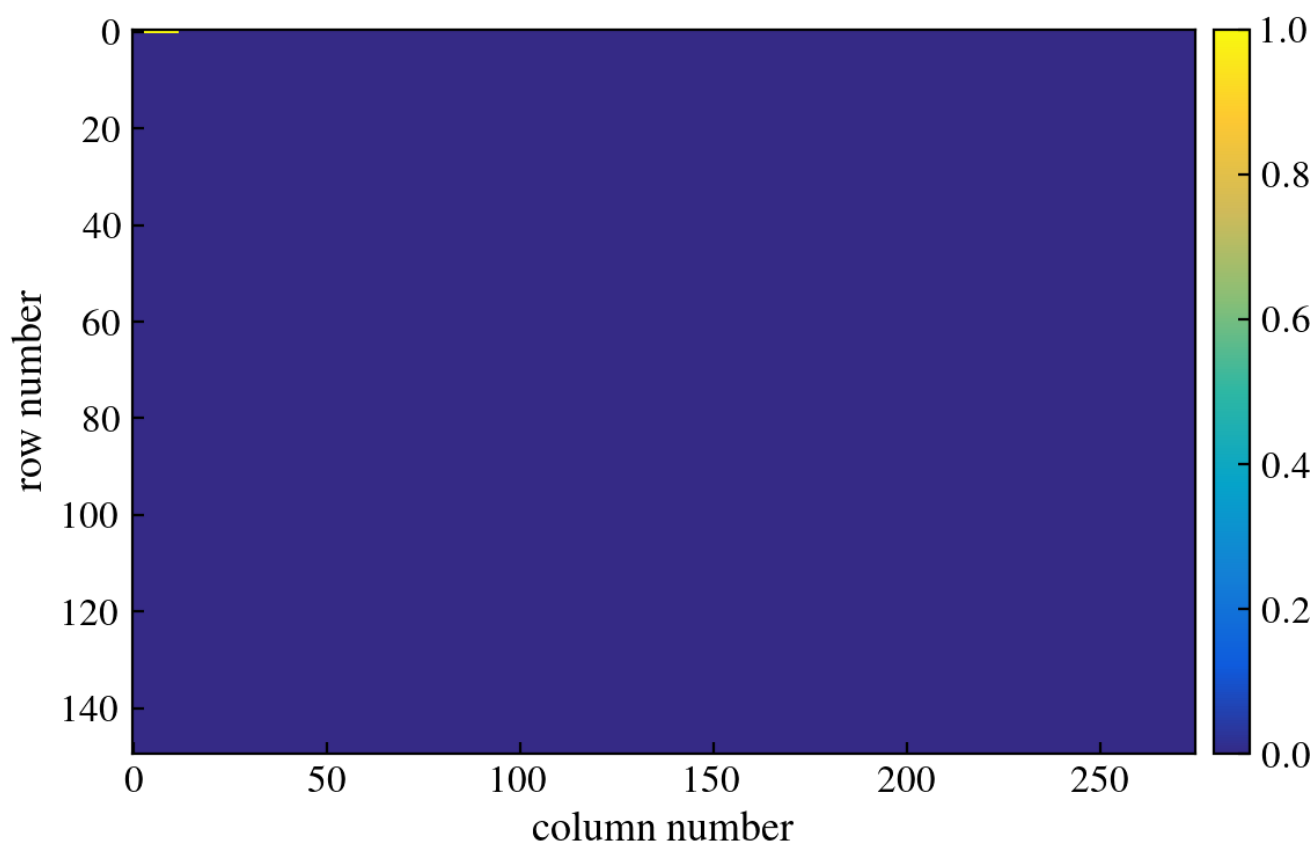

Figure 19: Masked pixels

Figure 20: Masked pixels

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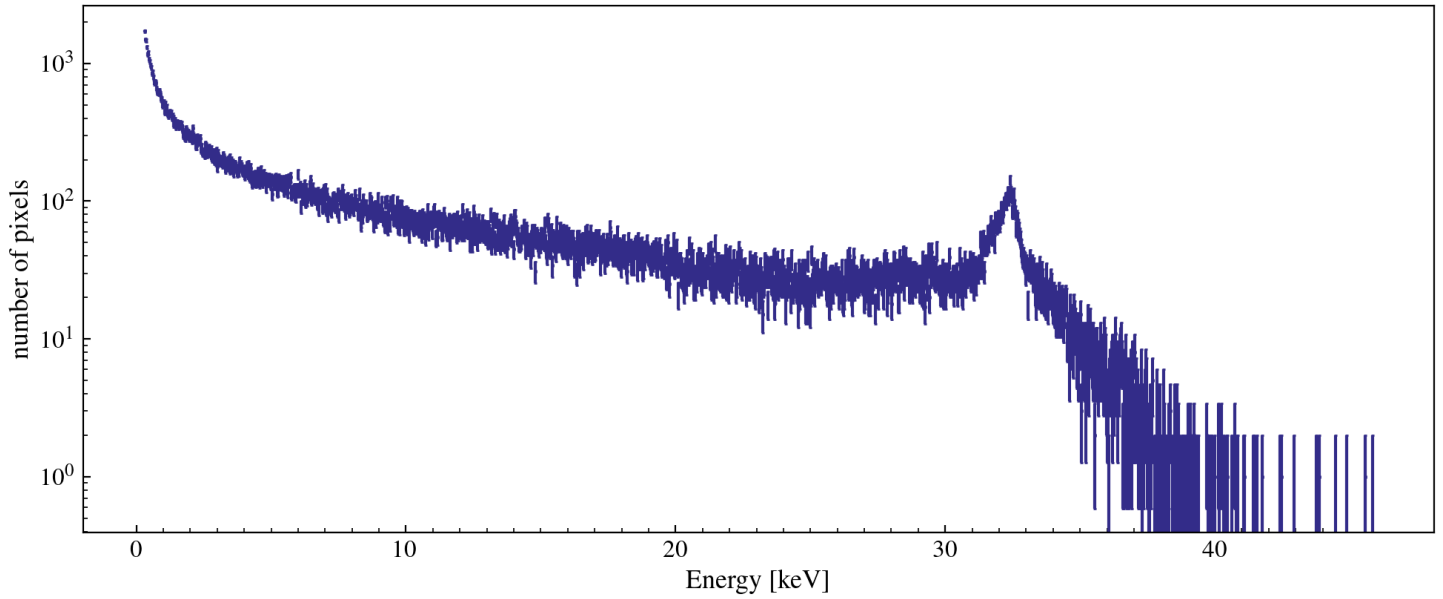

Figure 21: Number of pixels with $E > 300.0$ eV vs file
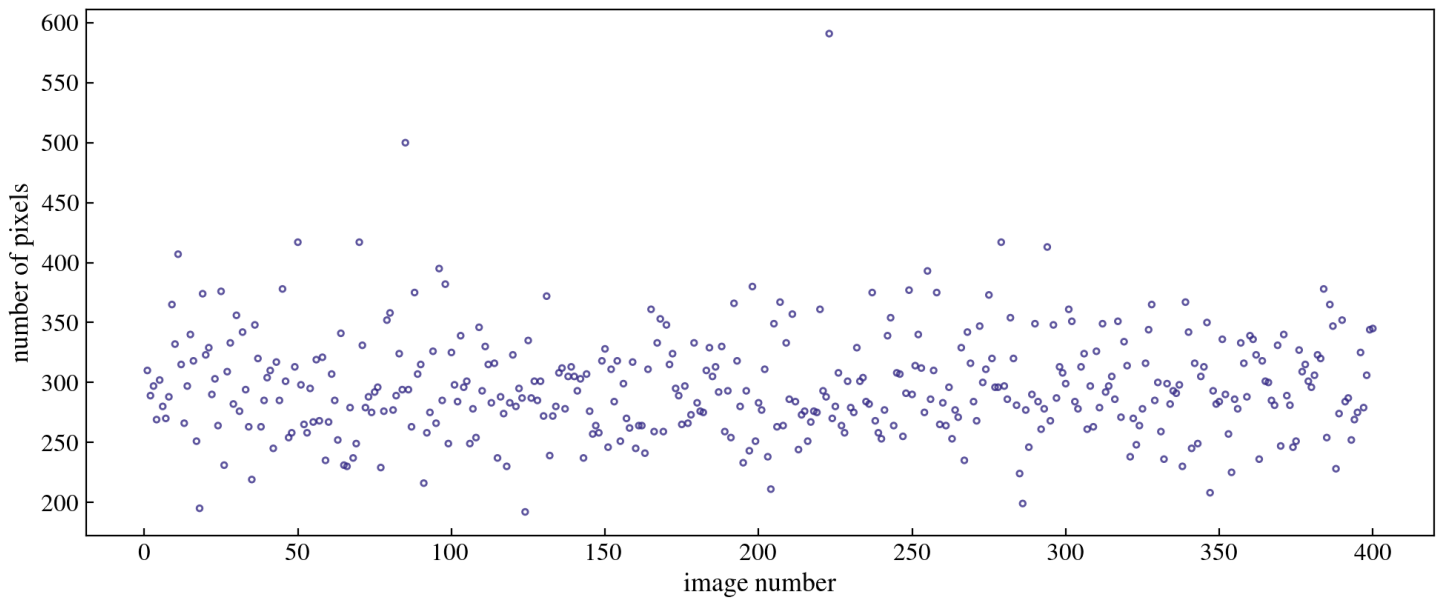
Number of pixels with $E > 300.0$ eV vs file [class MESinglePED]

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