DQM Report for run number 59

pysimdamicm.dqm.dqm_manager

June 1, 2022

Data directory:
`/data/calidaq_backup/PhotoNeutron/DataTaking/SbAl/Run_59`
Output directory:
`/data/chicago/PhotoNeutronData/WADERS/DataTaking/DQM/SbAl`
Reference used:
`None`
Total images: 13

List of Figures

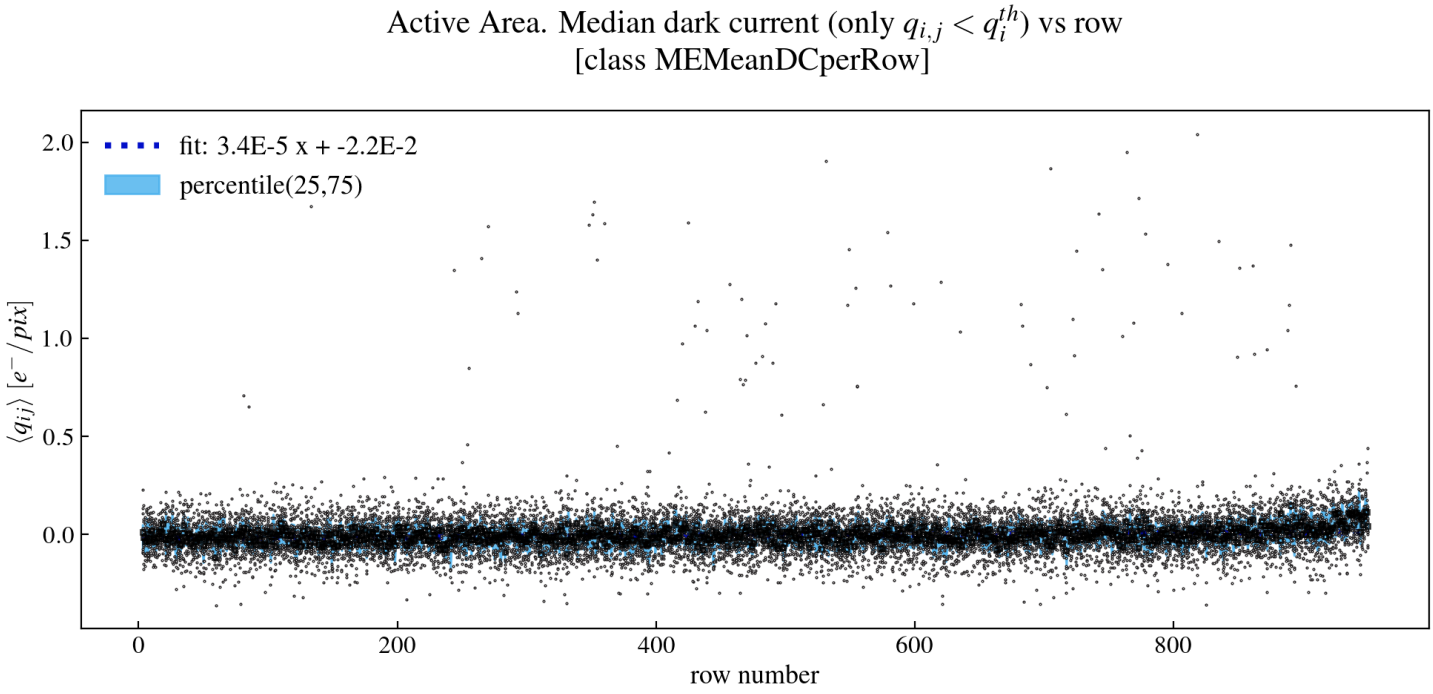


Figure 1: Active Area. Median dark current (only $q_{i,j} < q_i^{th}$) vs row

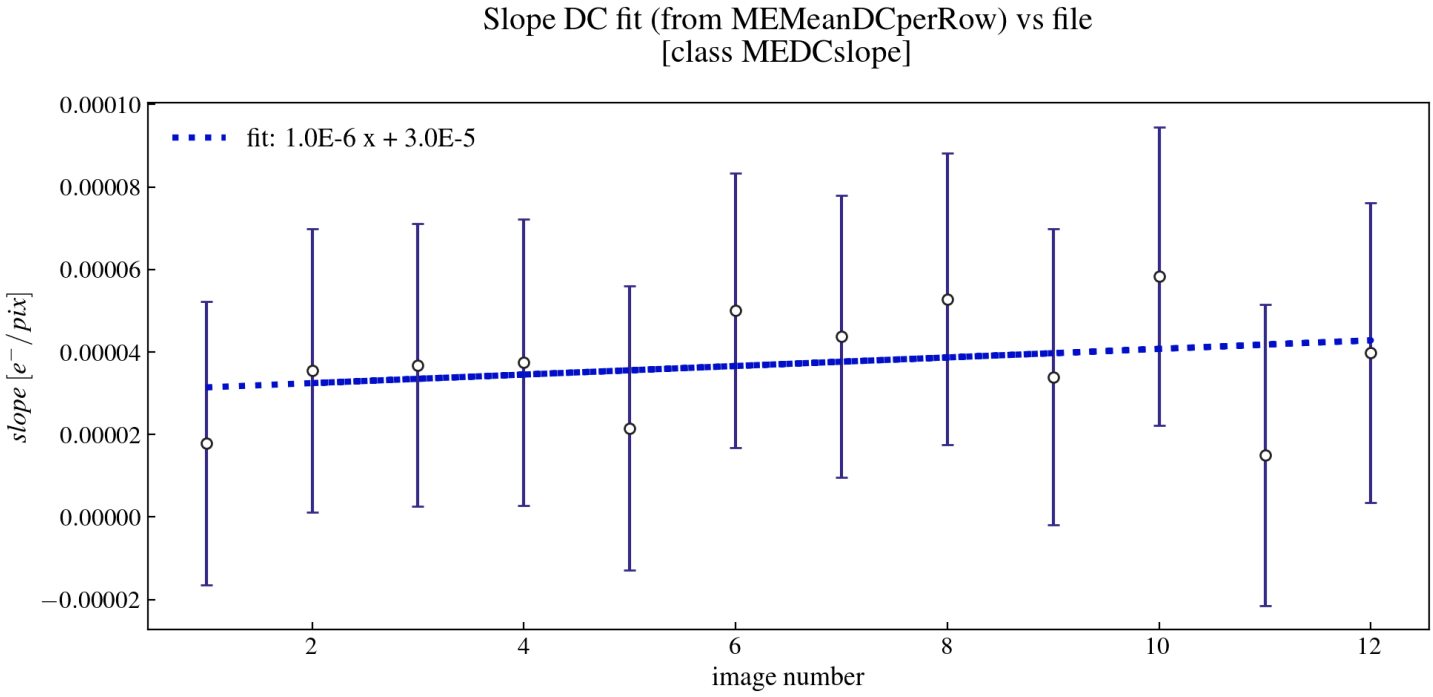


Figure 2: Slope DC fit (from MEMeanDCperRow) vs file

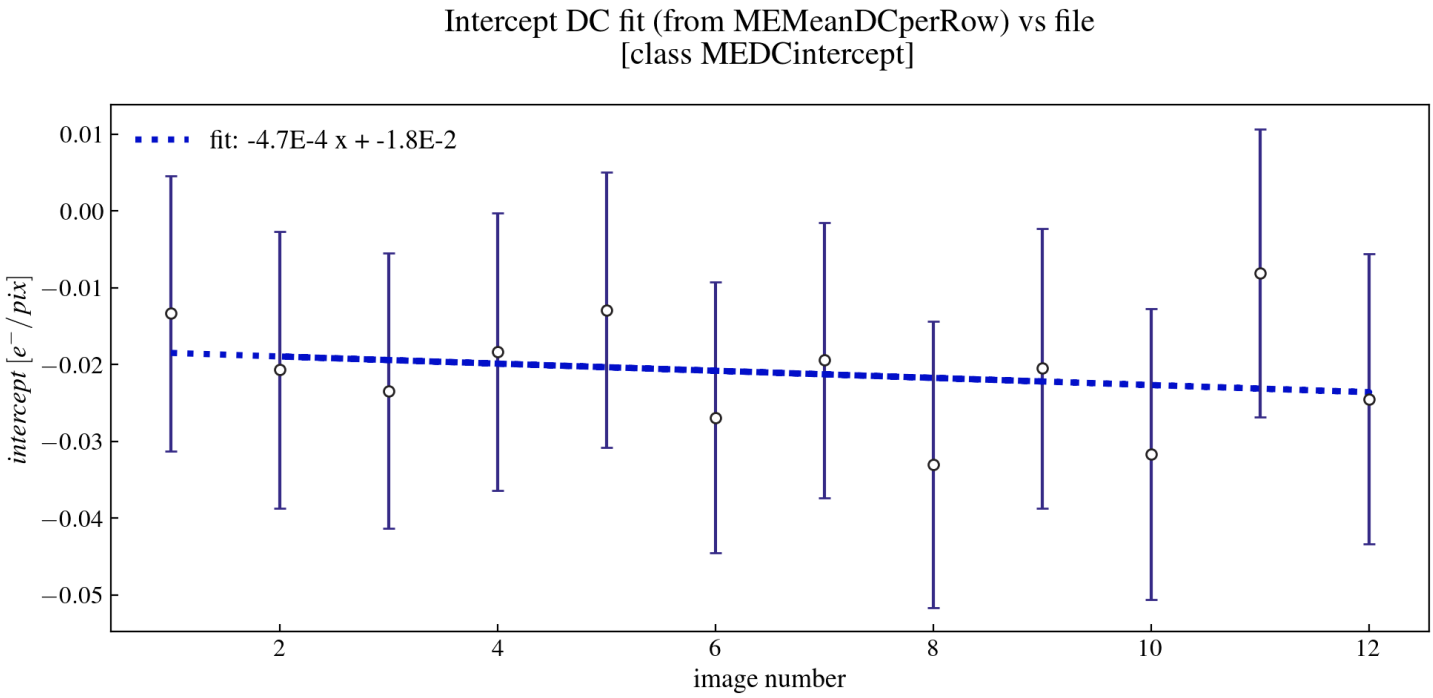


Figure 3: Intercept DC fit (from MEMeanDCperRow) vs file

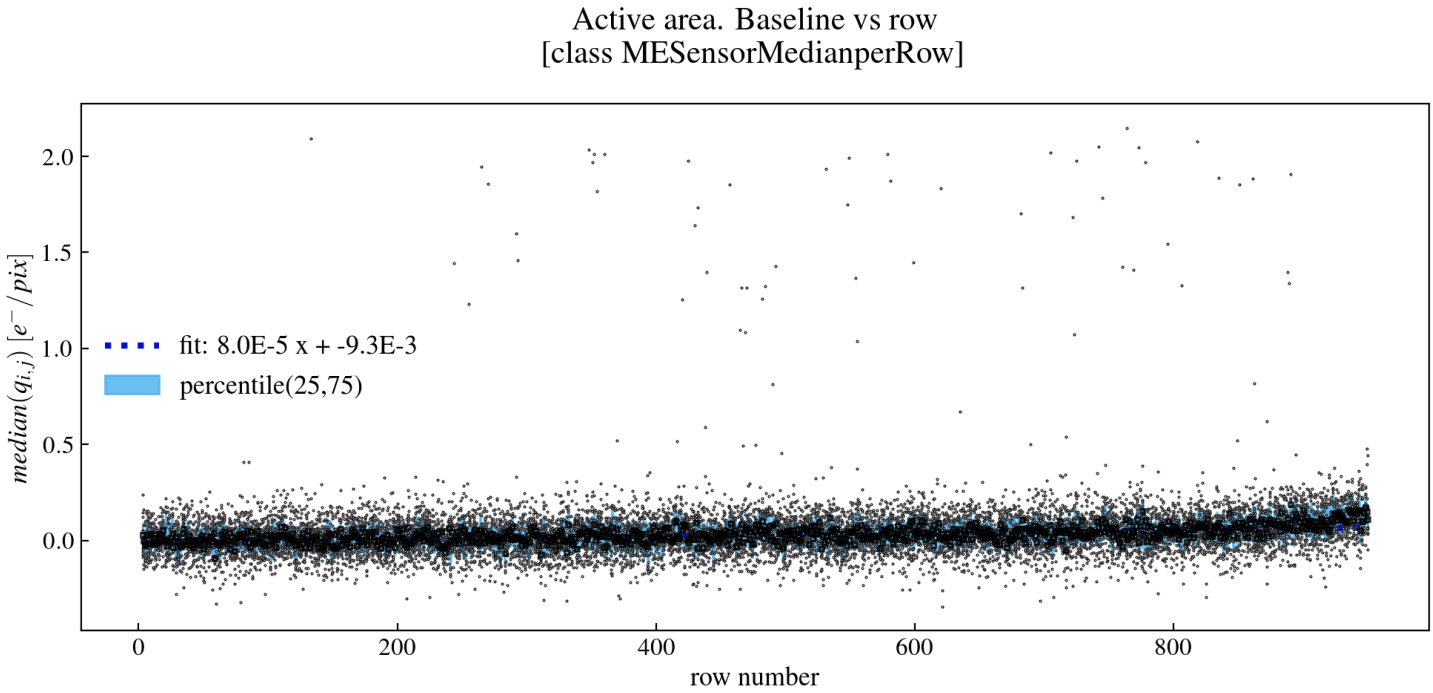


Figure 4: Active area. Baseline vs row

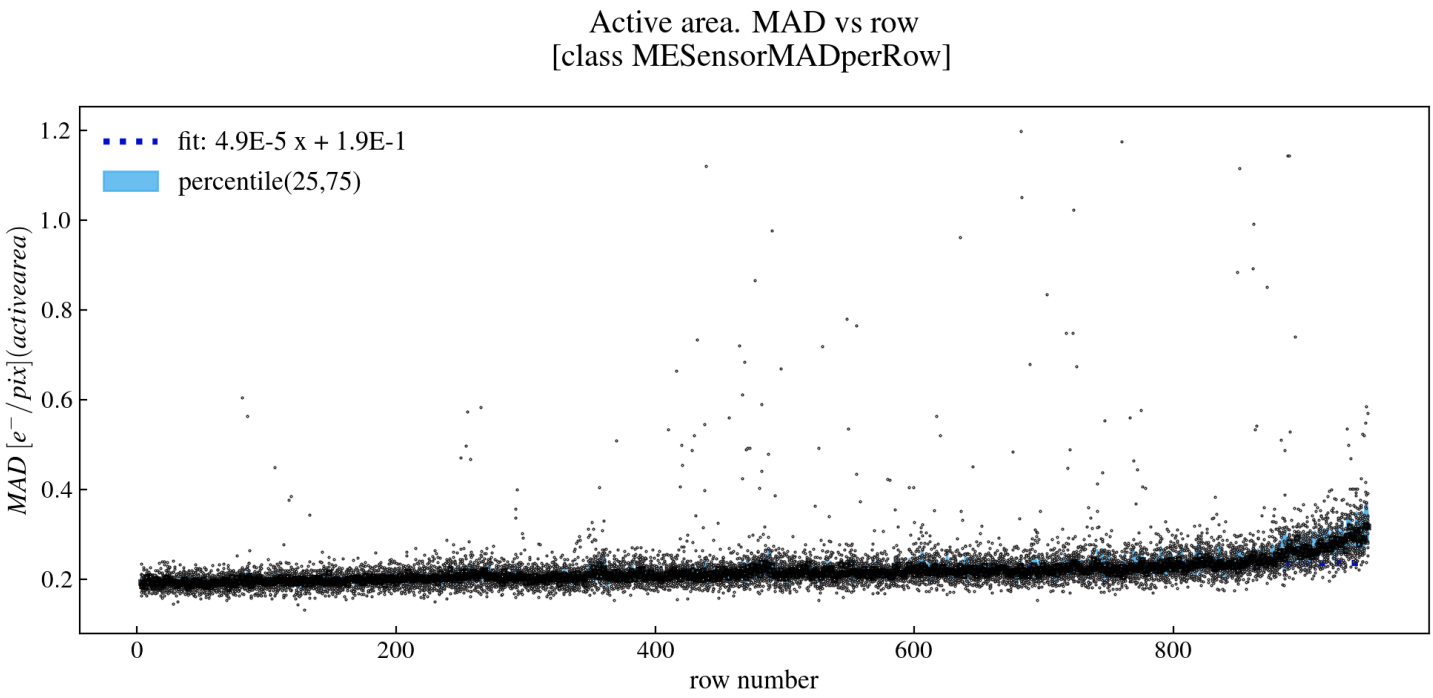


Figure 5: Active area. MAD vs row

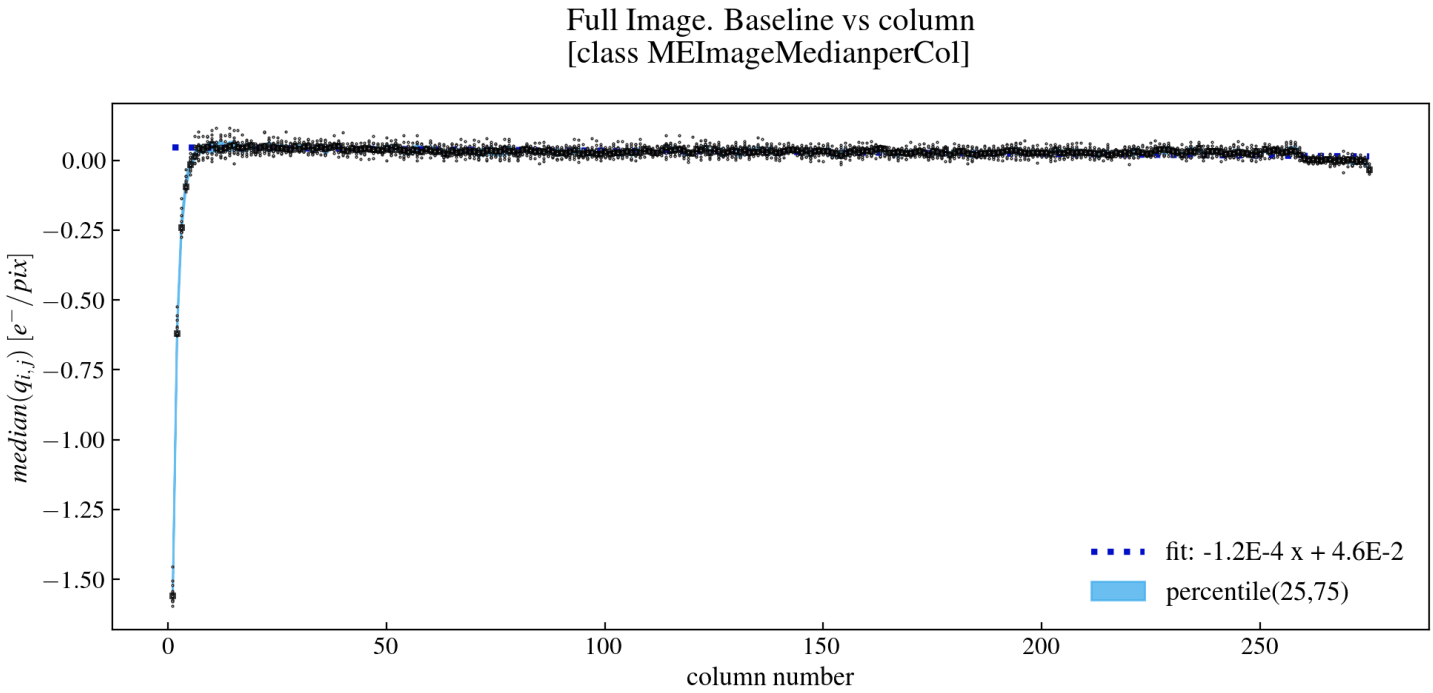


Figure 6: Full Image. Baseline vs column

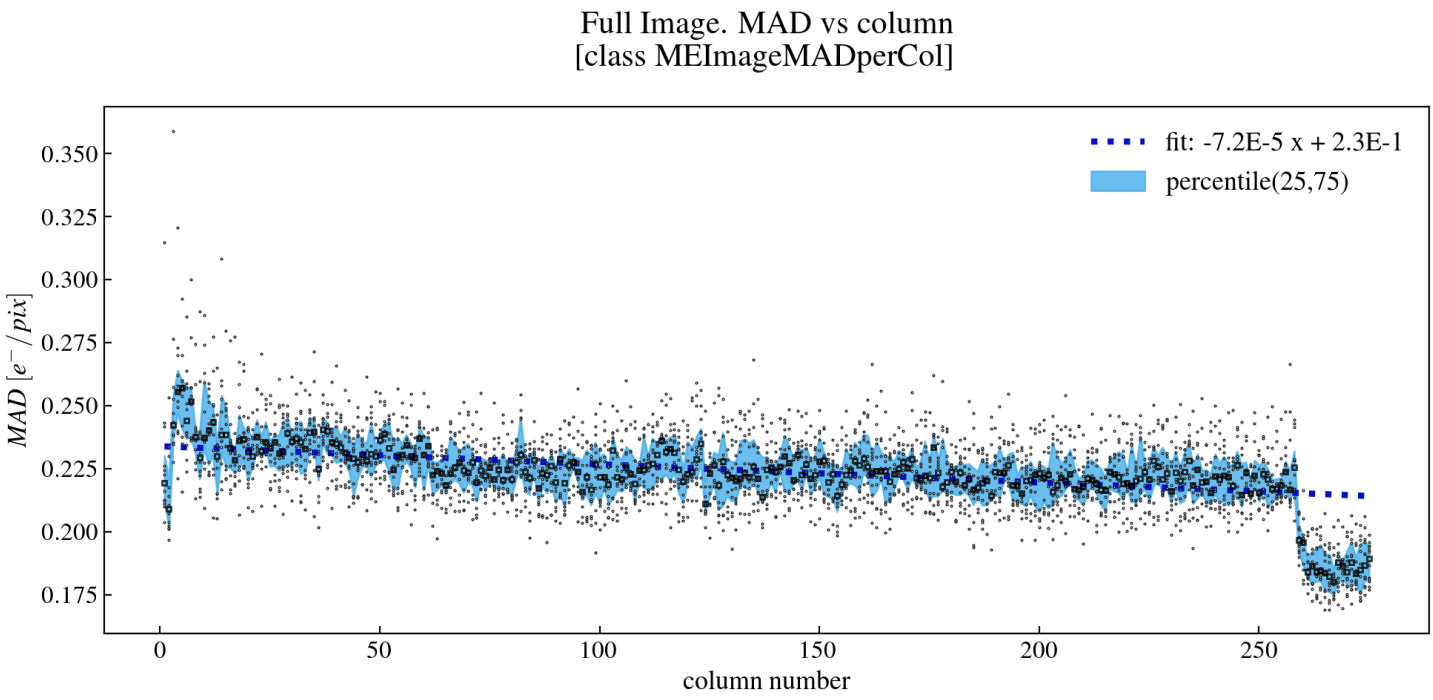


Figure 7: Full Image. MAD vs column

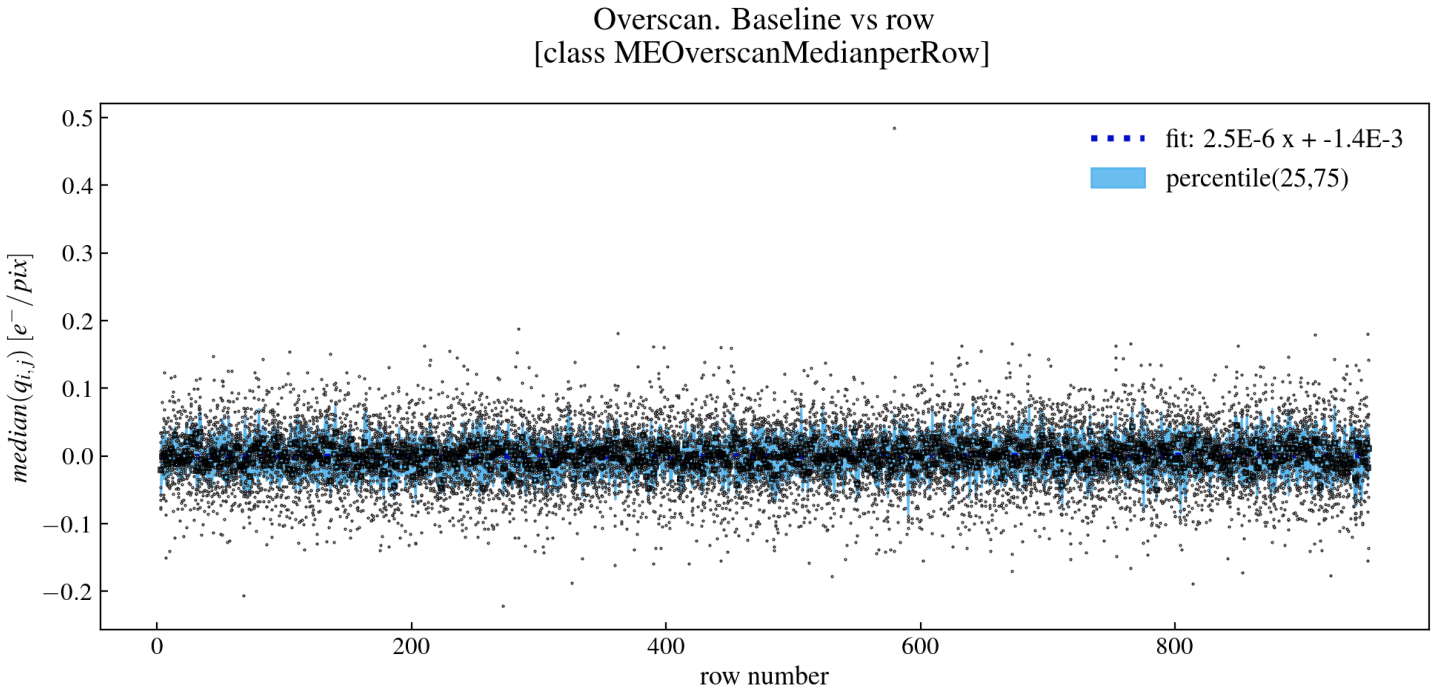


Figure 8: Overscan. Baseline vs row

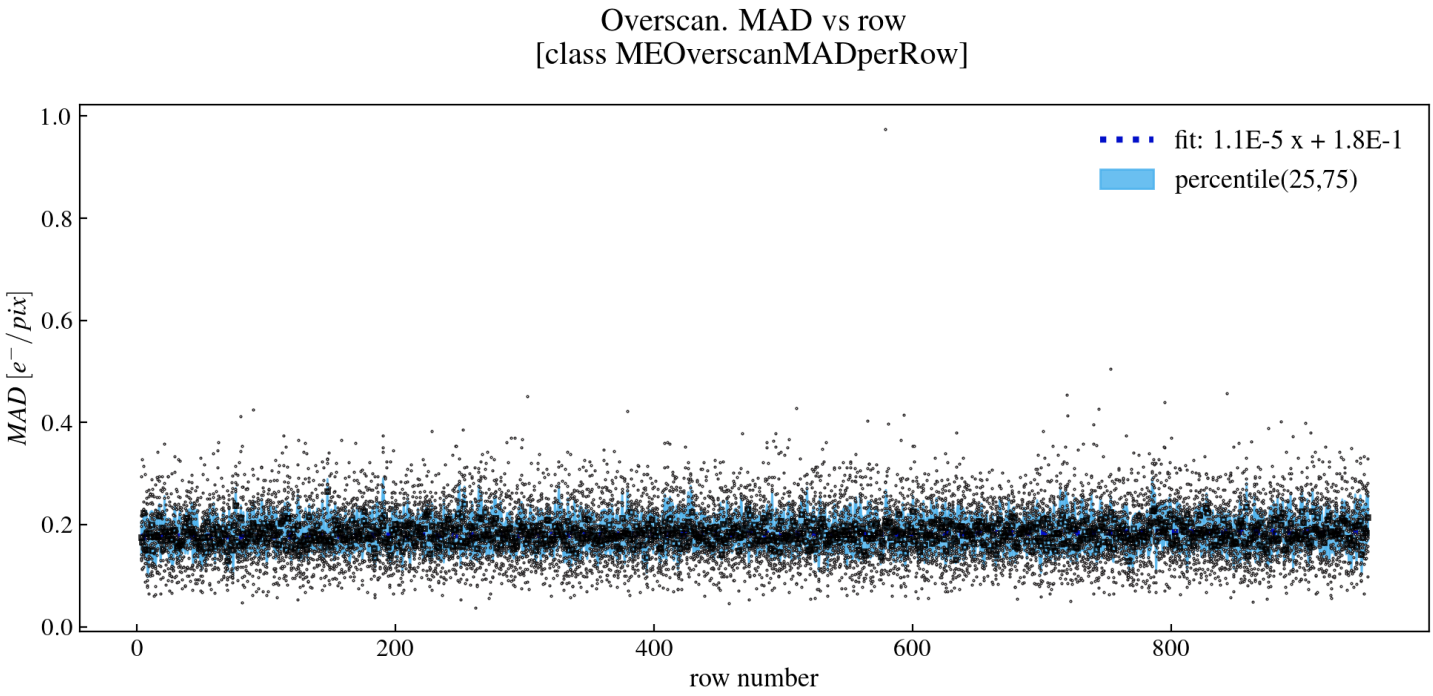


Figure 9: Overscan. MAD vs row

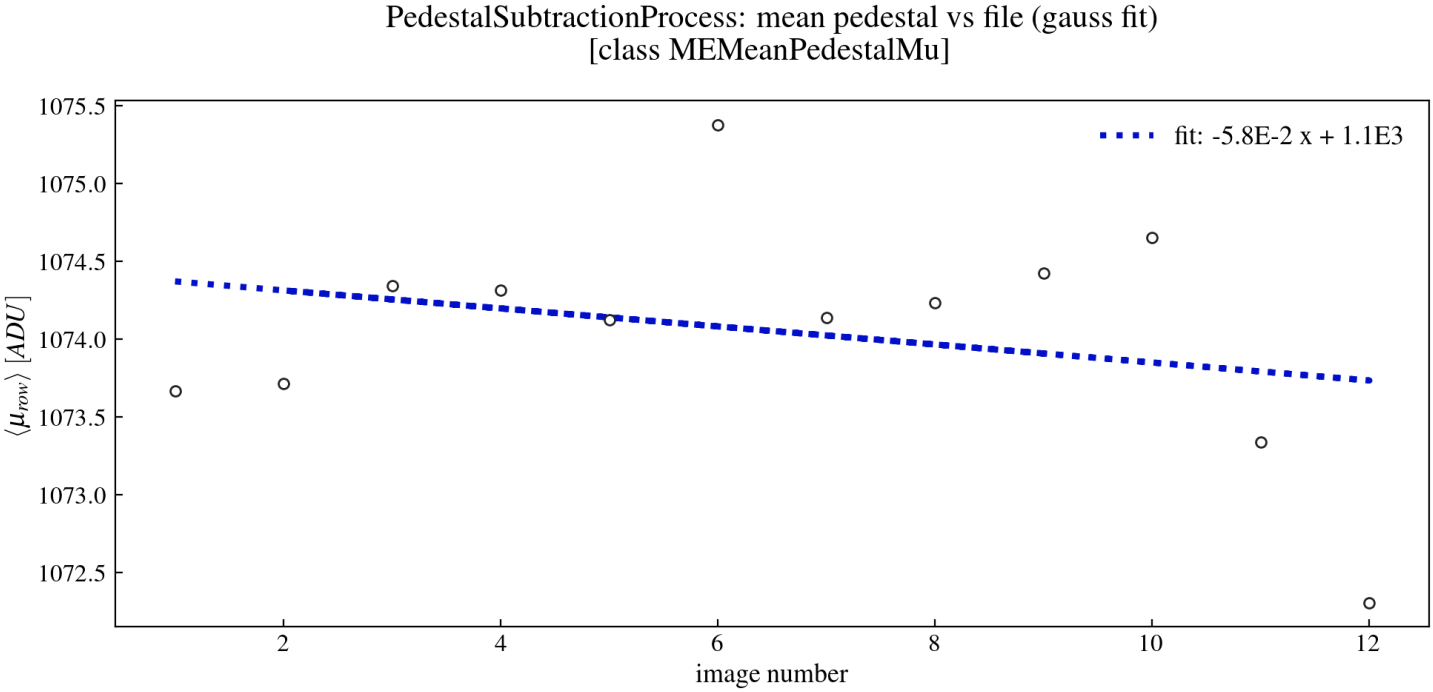


Figure 10: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

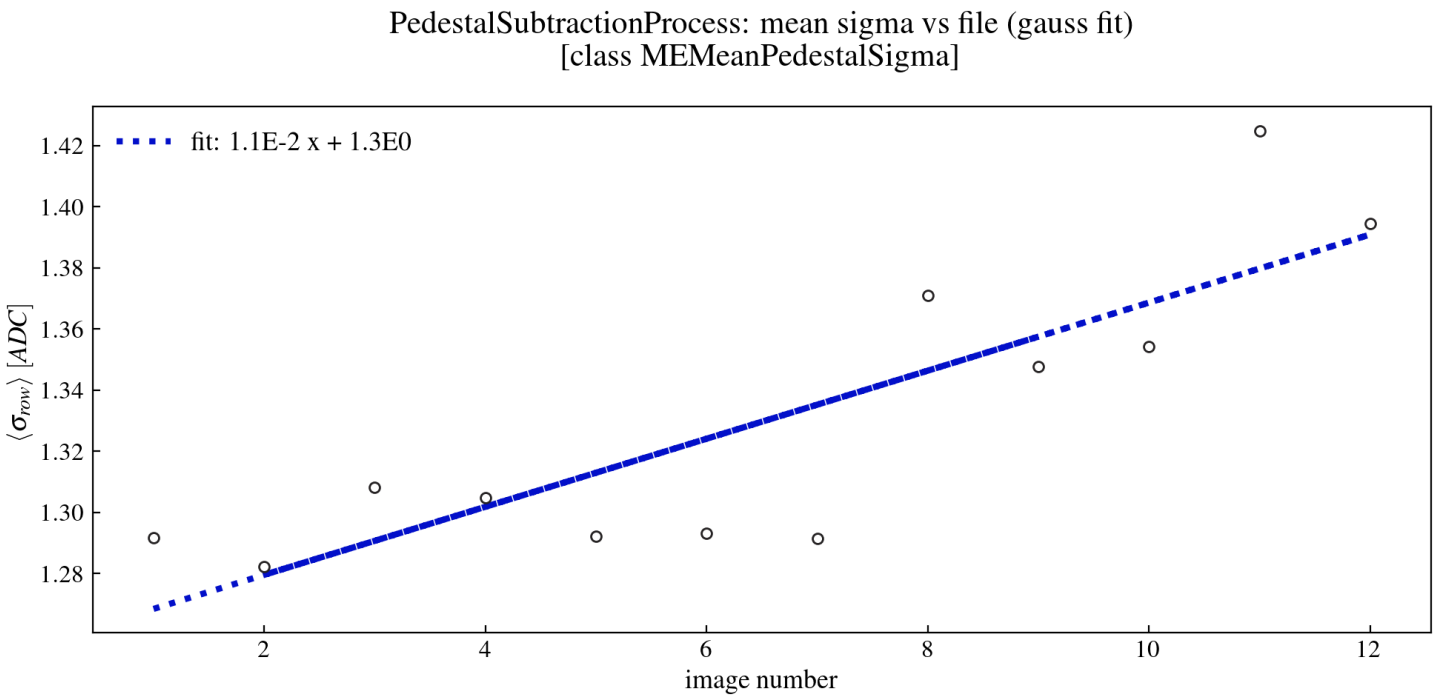


Figure 11: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

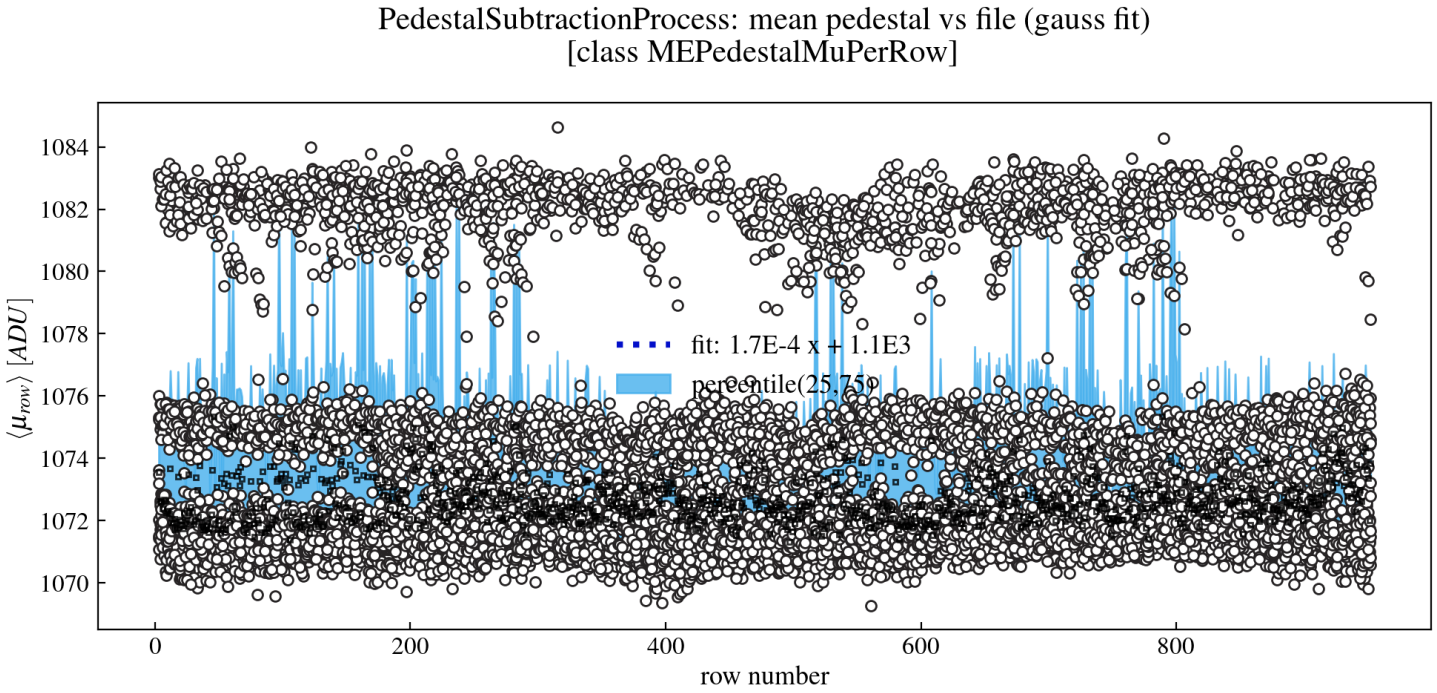


Figure 12: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

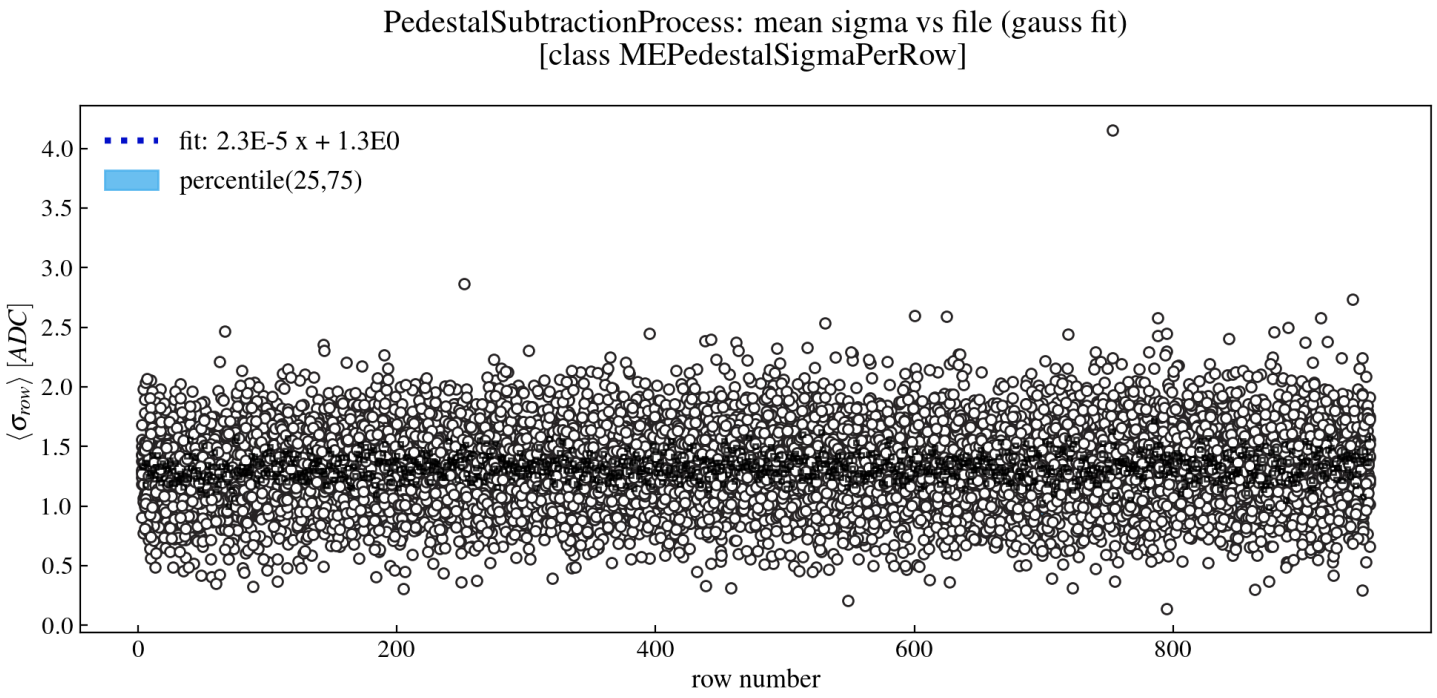


Figure 13: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

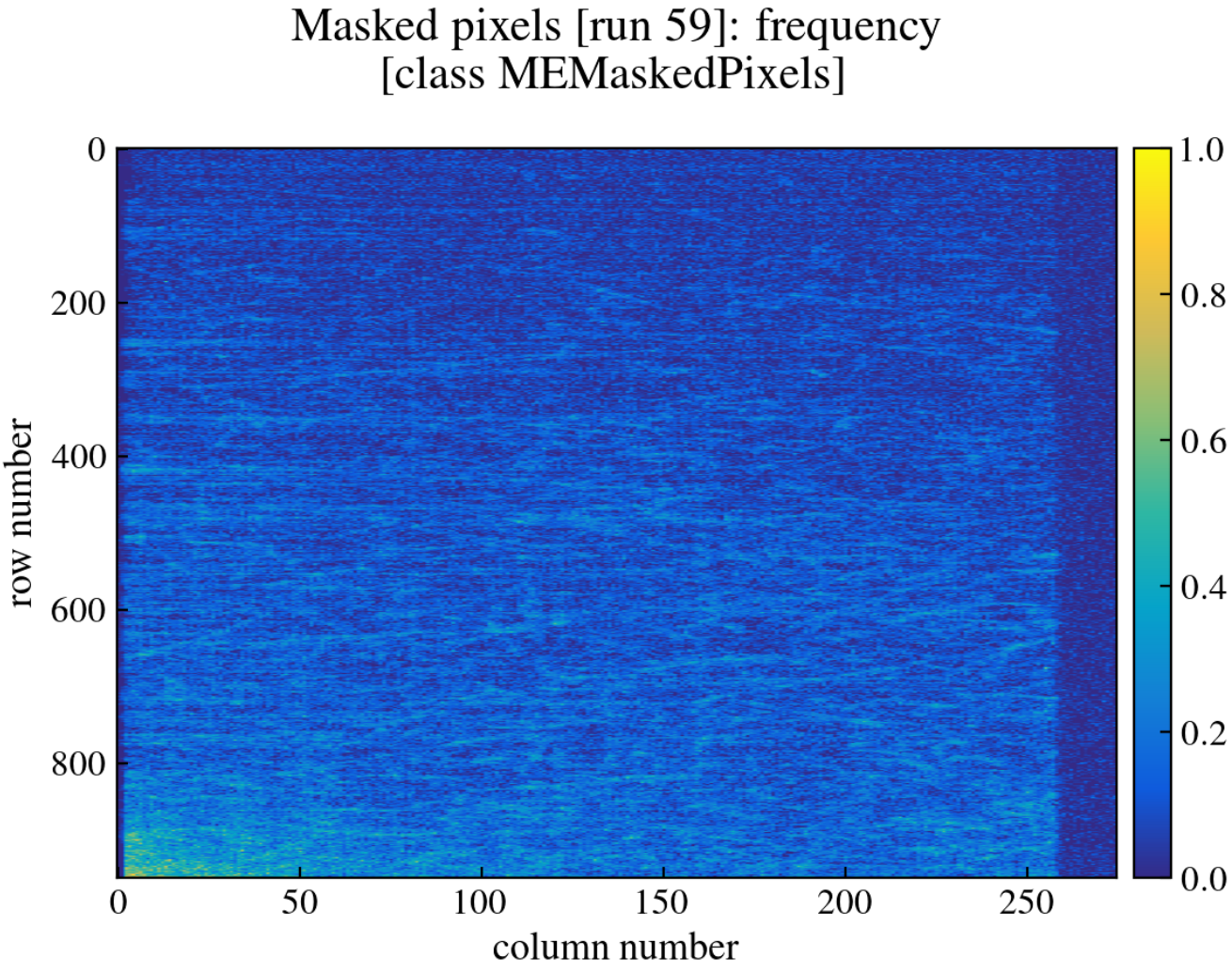


Figure 14: Masked pixels

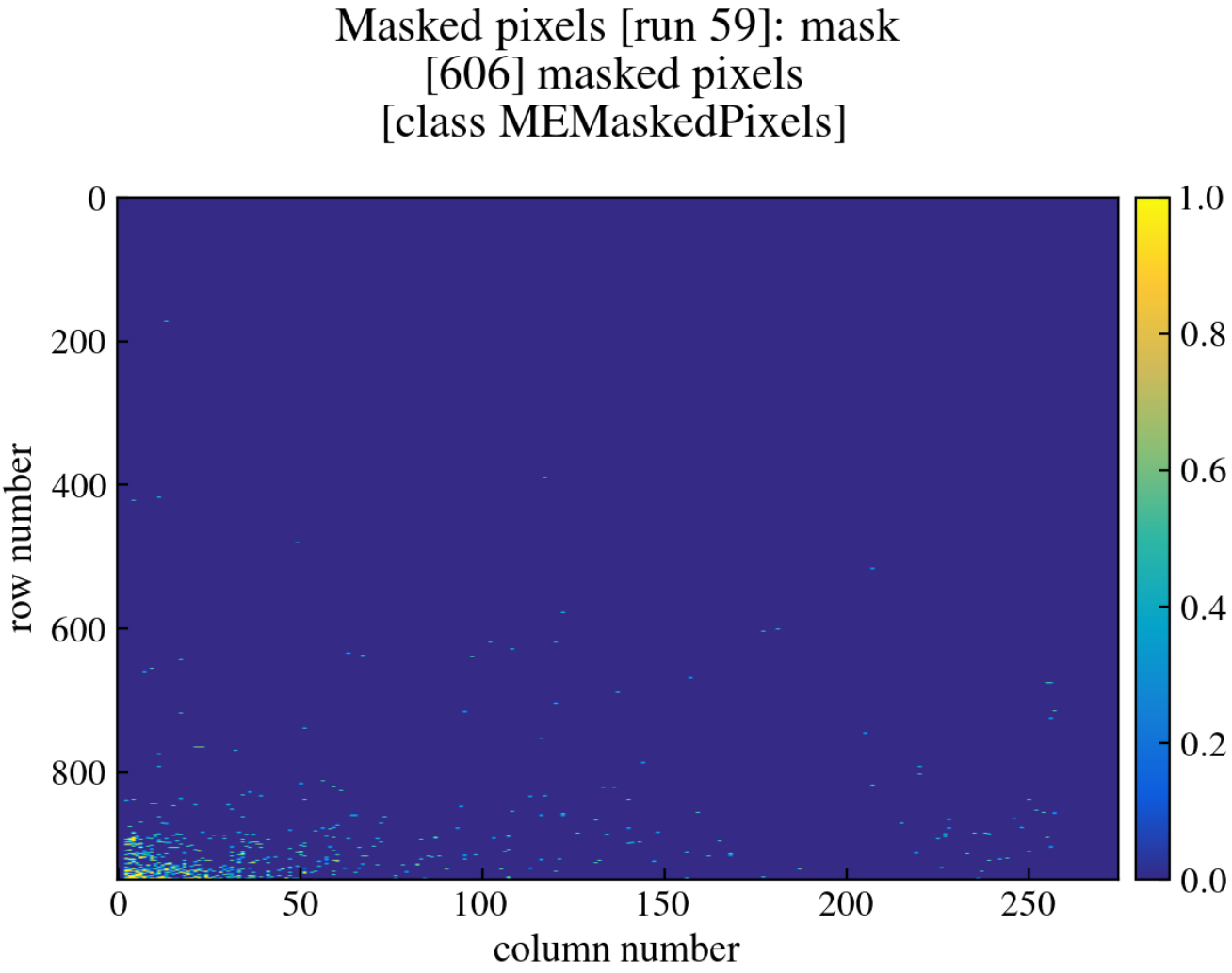


Figure 15: Masked pixels

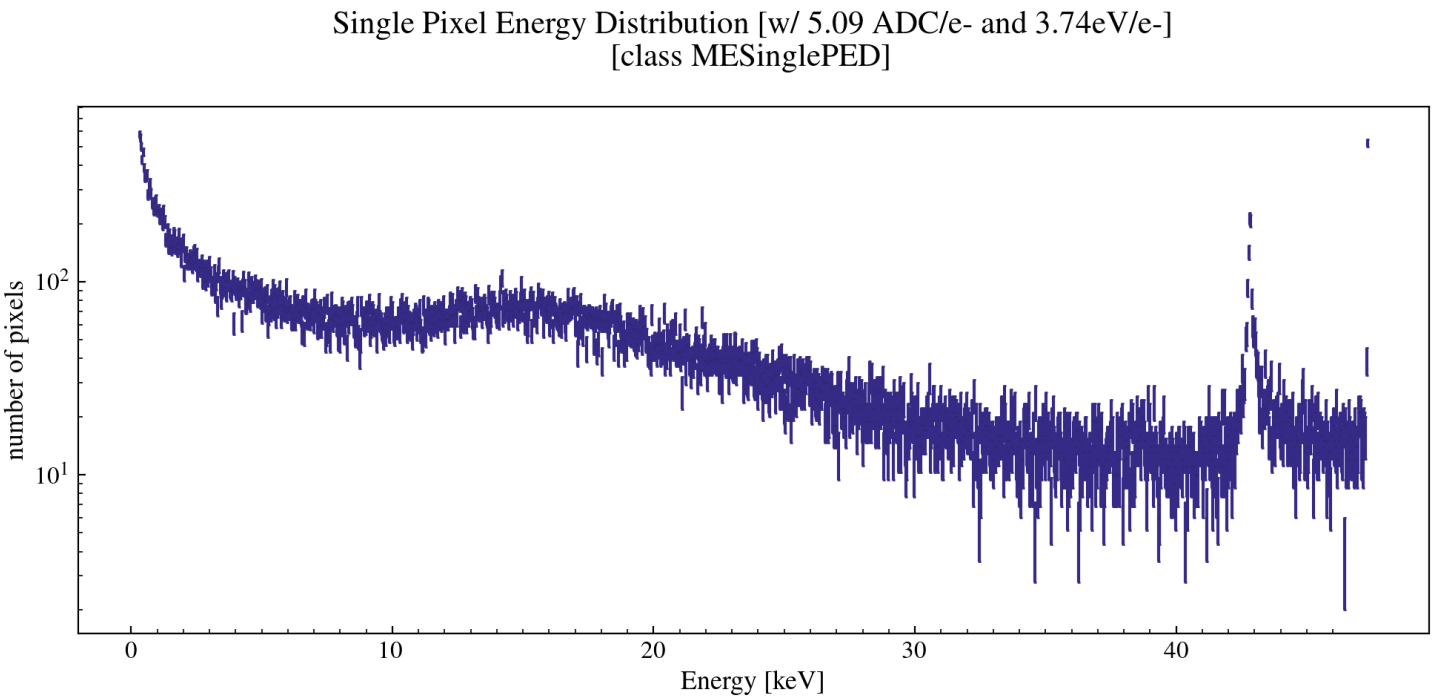


Figure 16: Number of pixels with $E > 300.0$ eV vs file

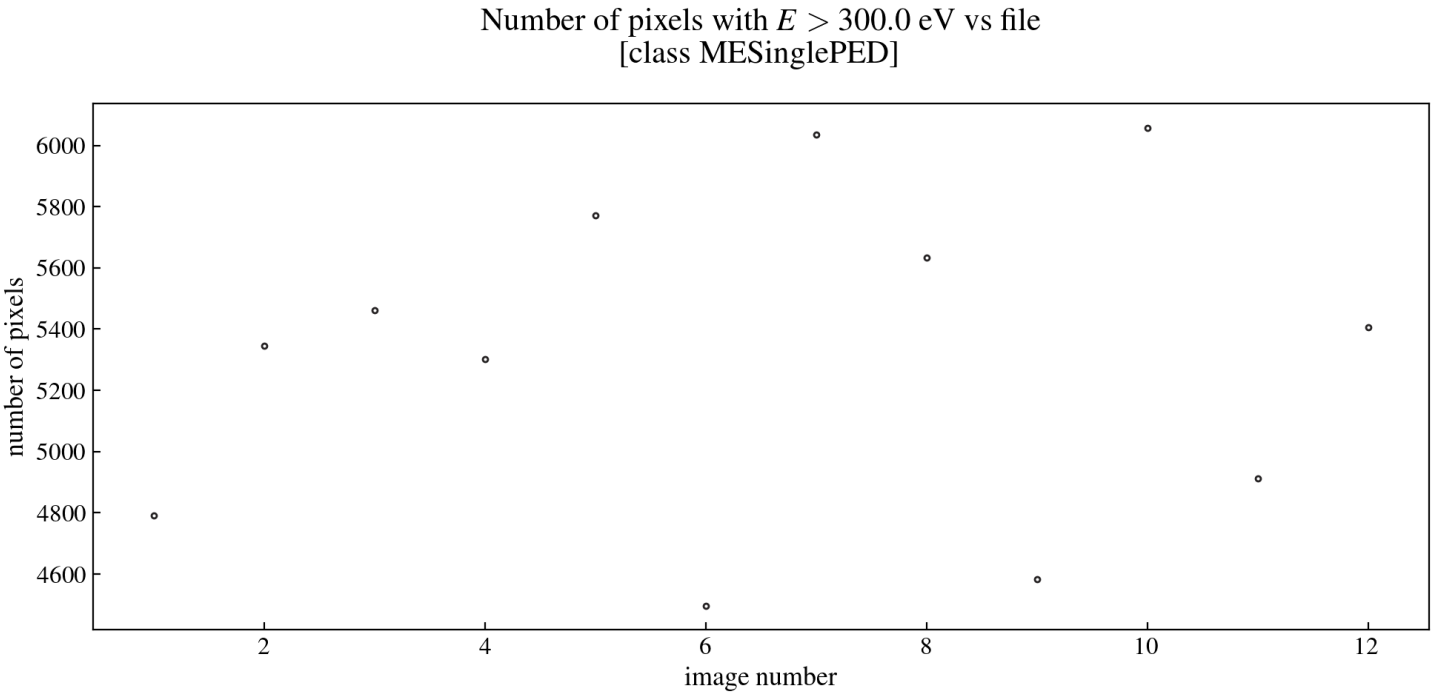


Figure 17: Number of pixels with $E > 300.0$ eV vs file

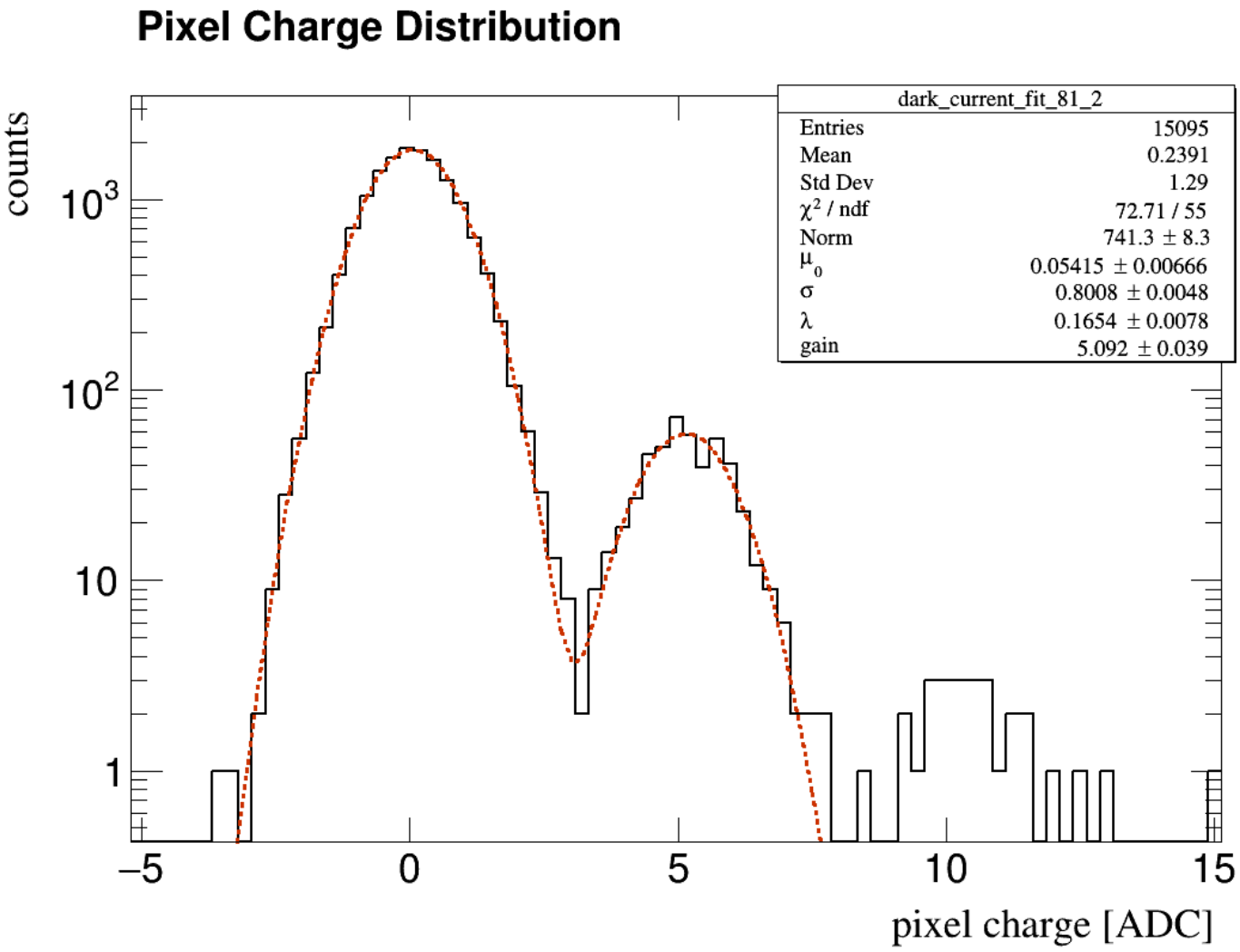


Figure 18: Pixel Charge Distribution

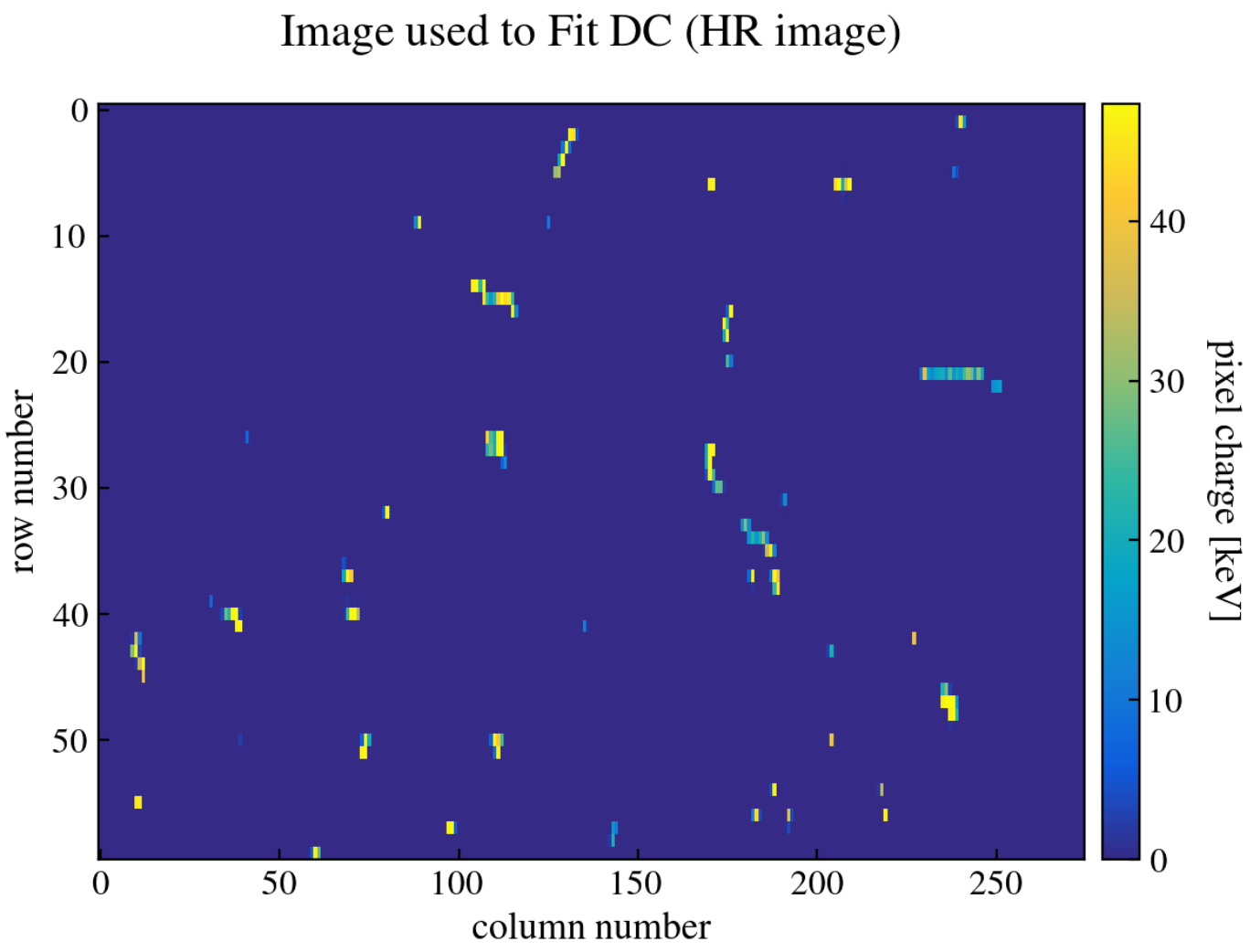


Figure 19: Pixel Charge Distribution

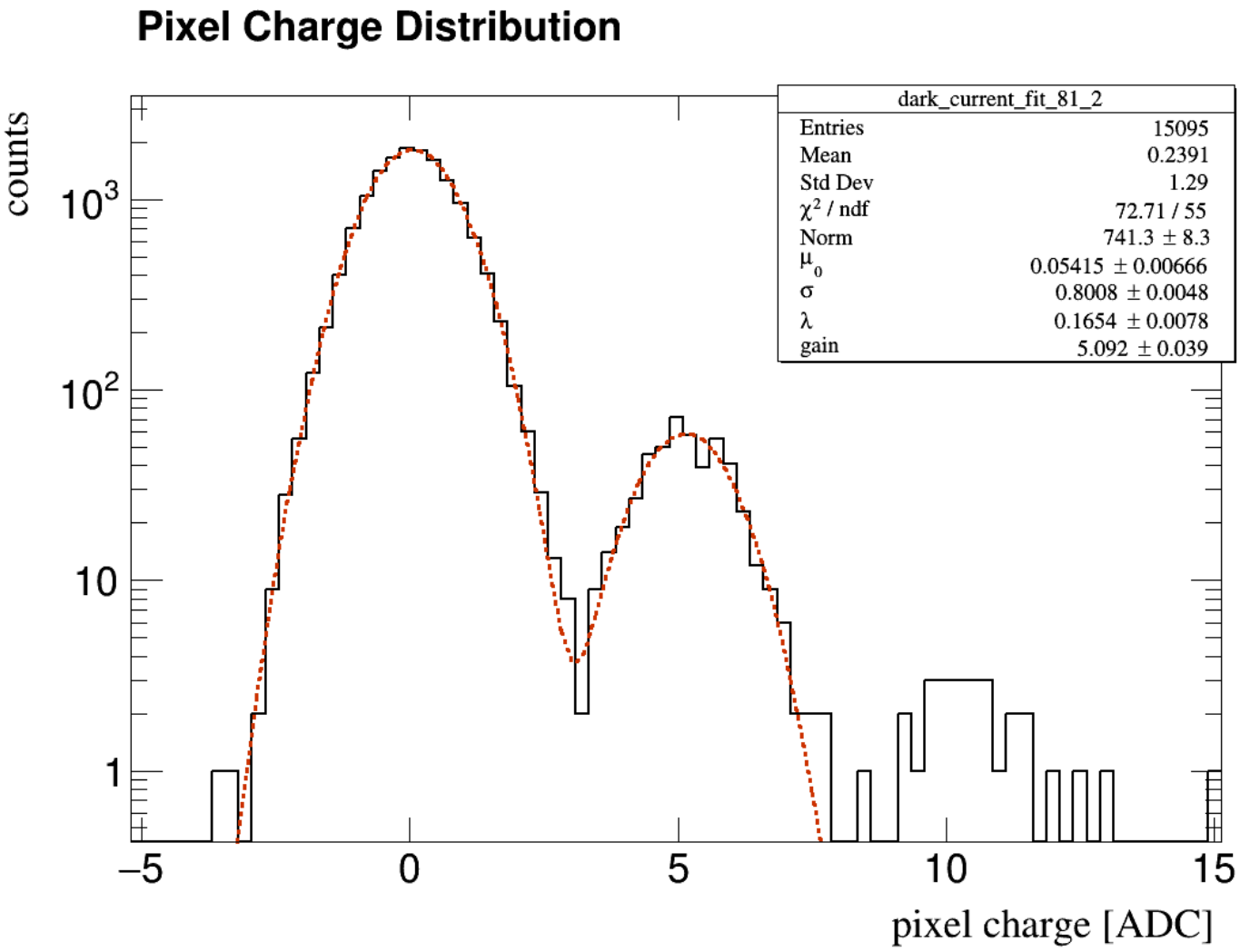


Figure 20: Pixel Charge Distribution

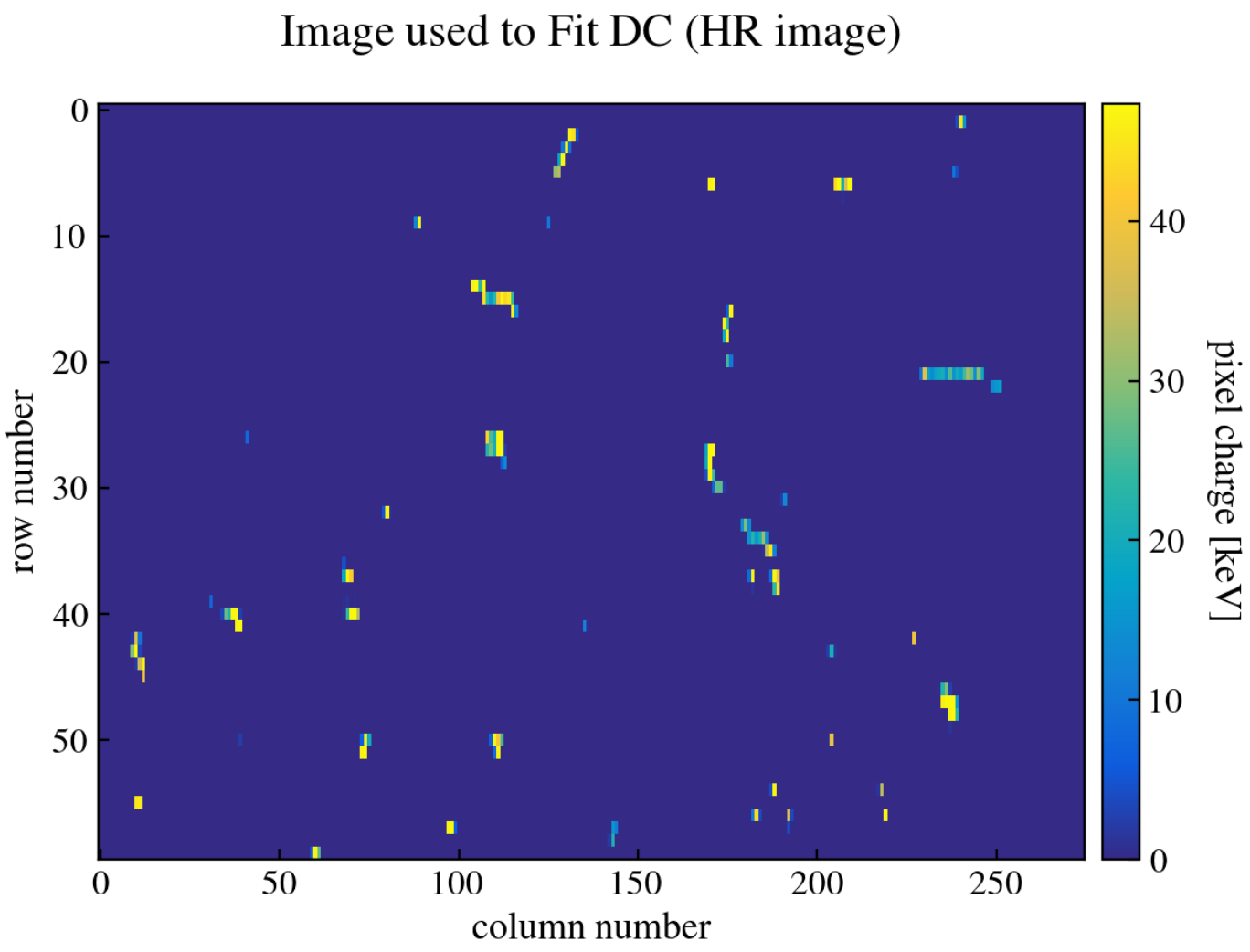


Figure 21: Pixel Charge Distribution

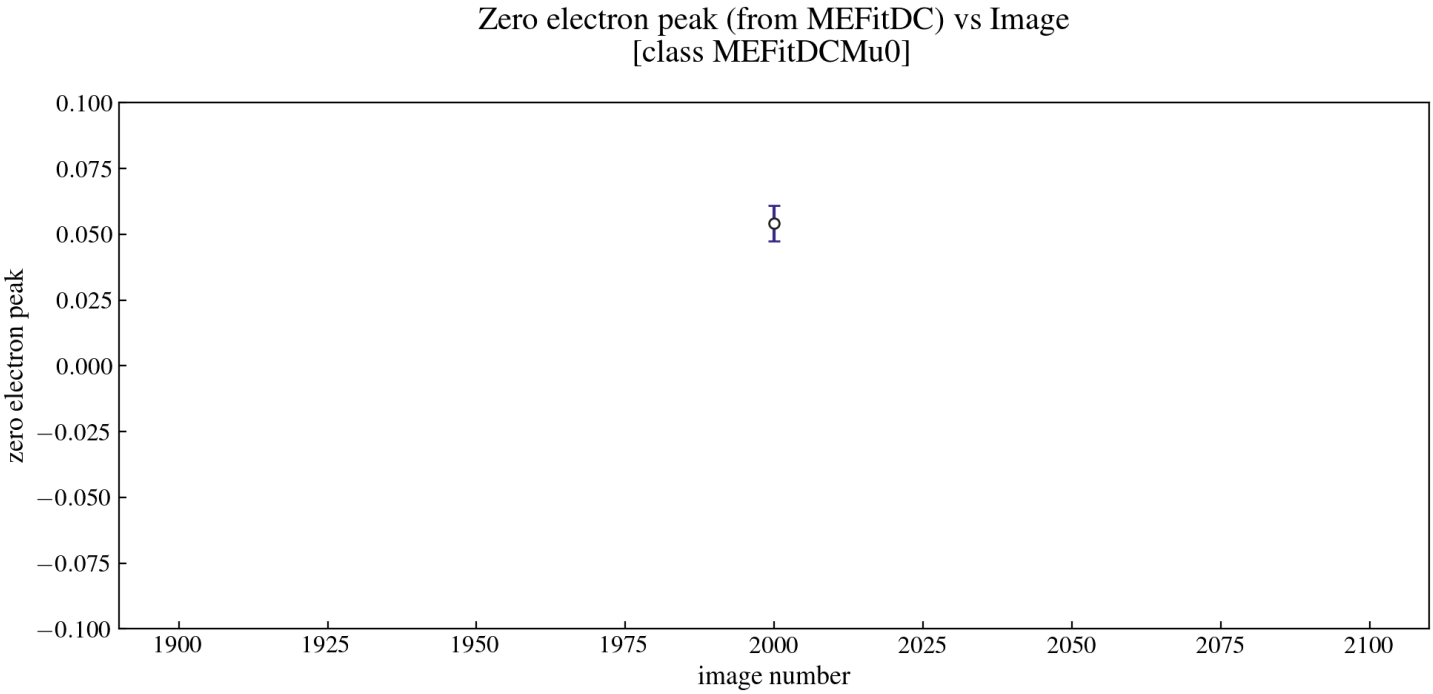


Figure 22: Zero electron peak (from MEFitDC) vs Image

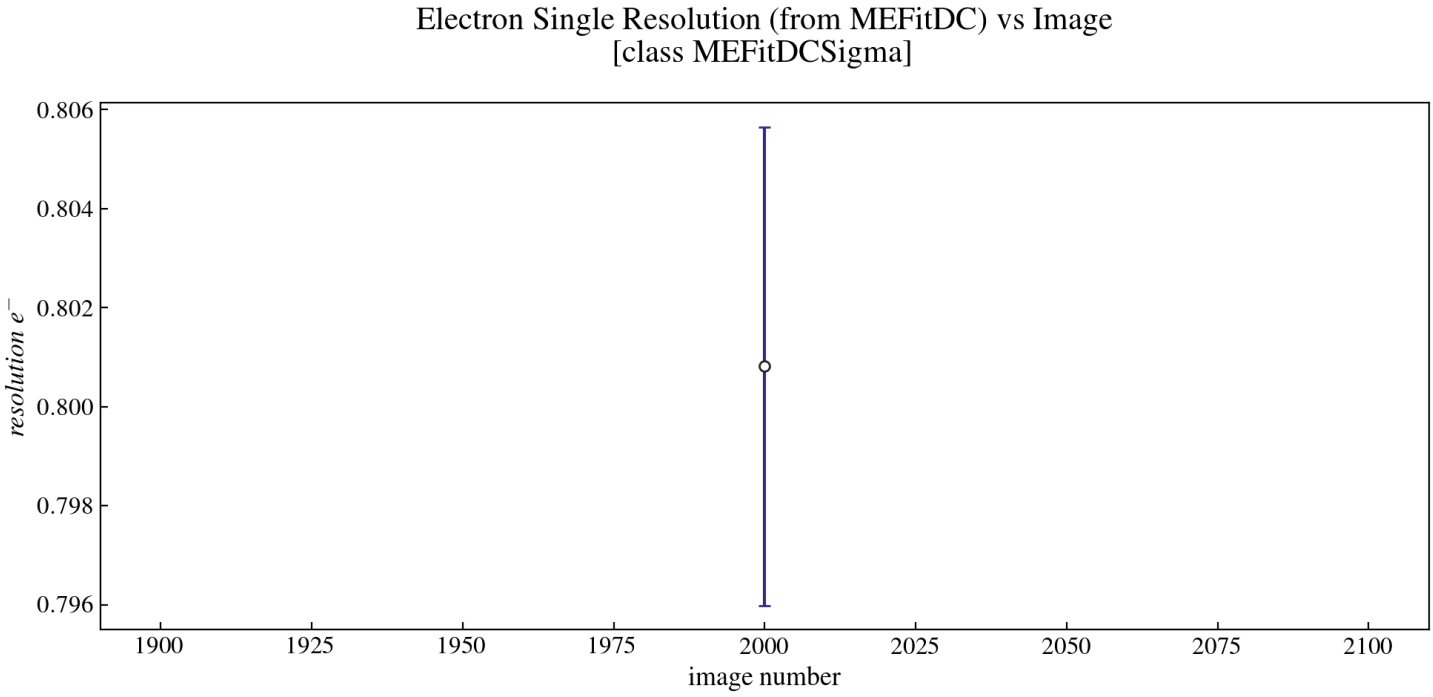
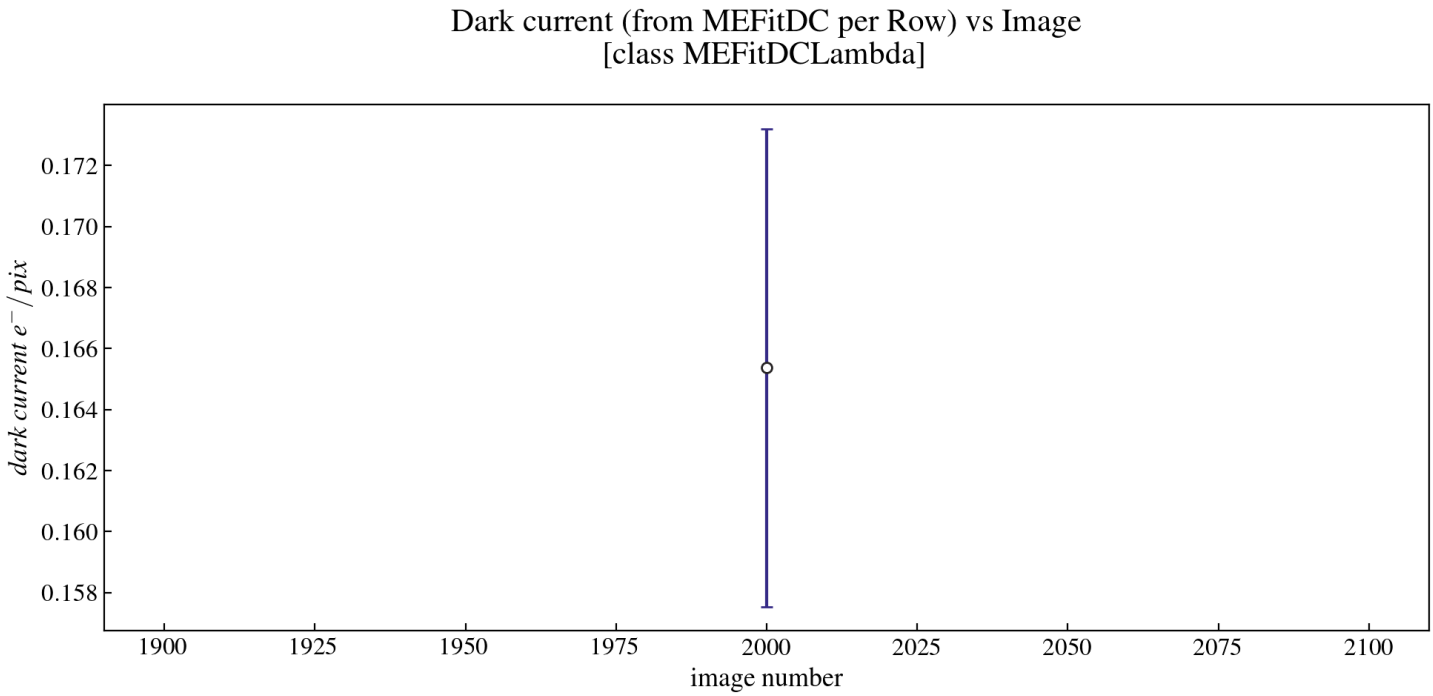


Figure 23: Electron Single Resolution (from MEFitDC) vs Image



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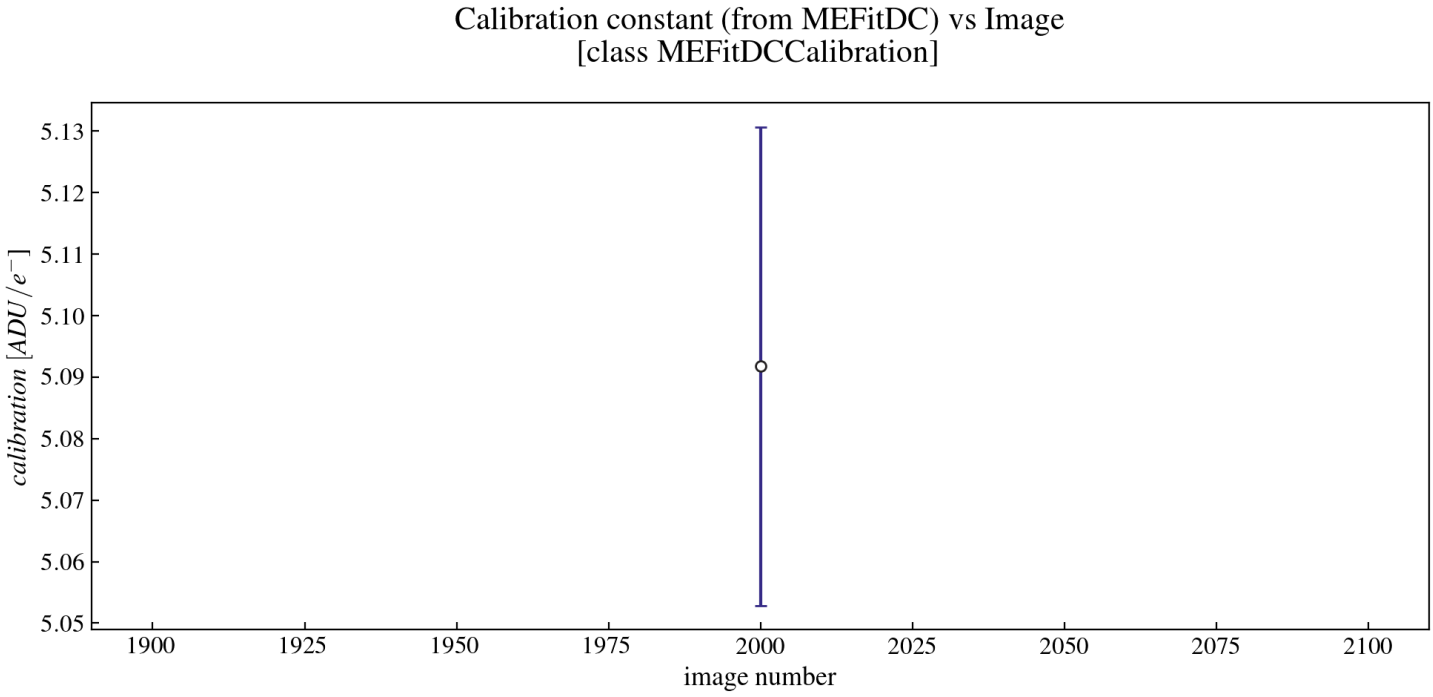

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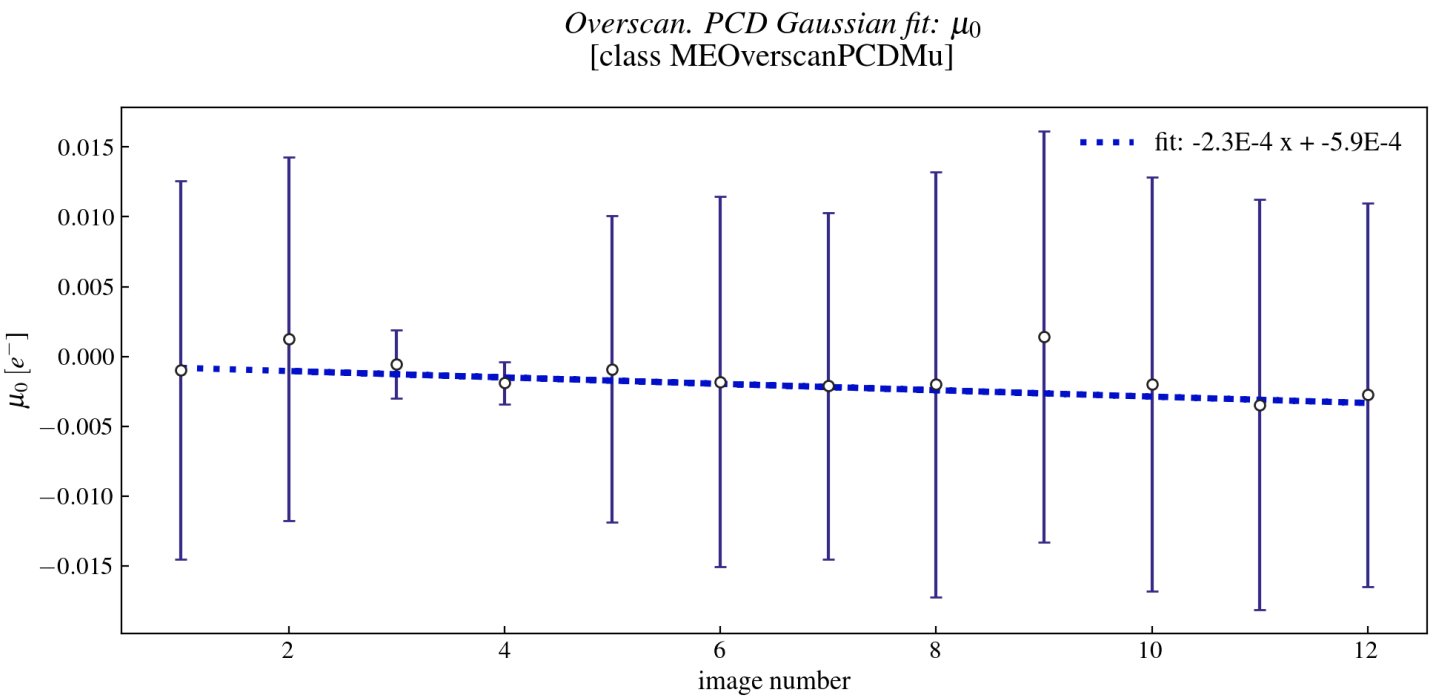


Figure 26: *Overscan. PCD Gaussian fit:* μ_0

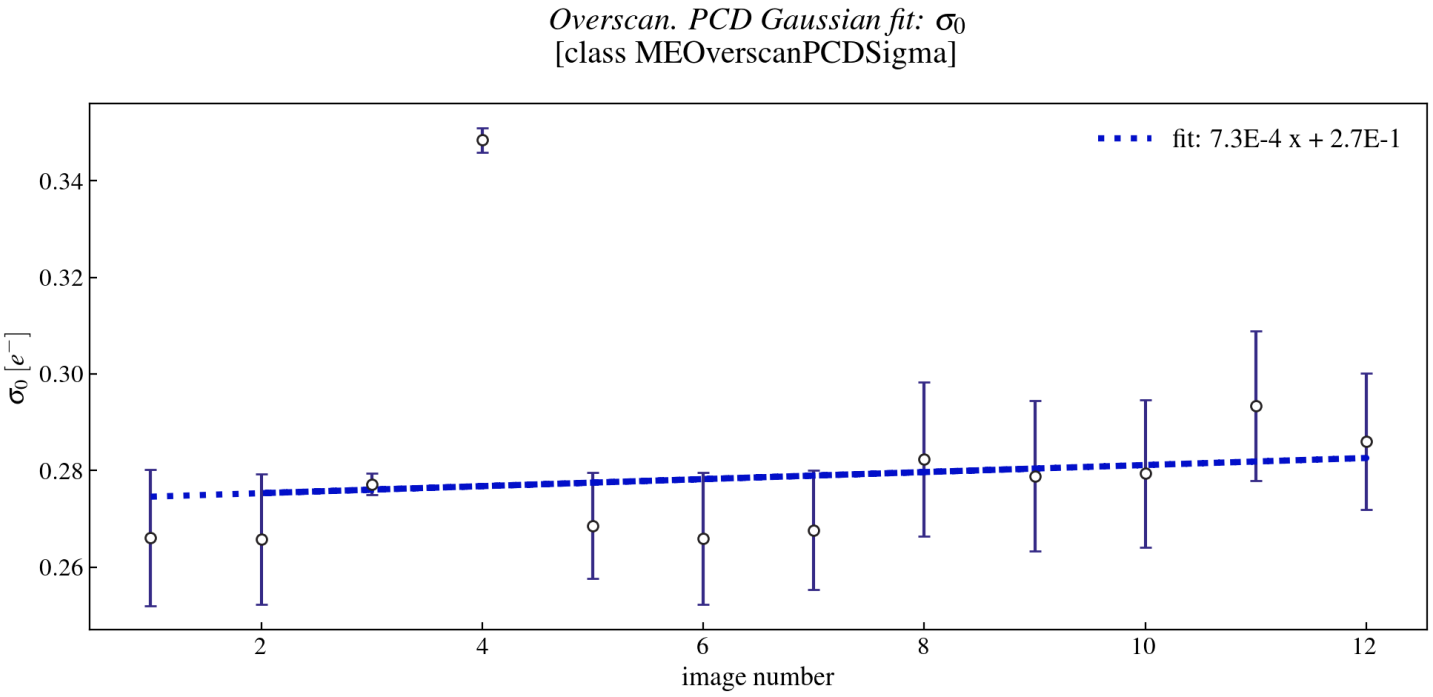


Figure 27: *Overscan. PCD Gaussian fit:* σ_0

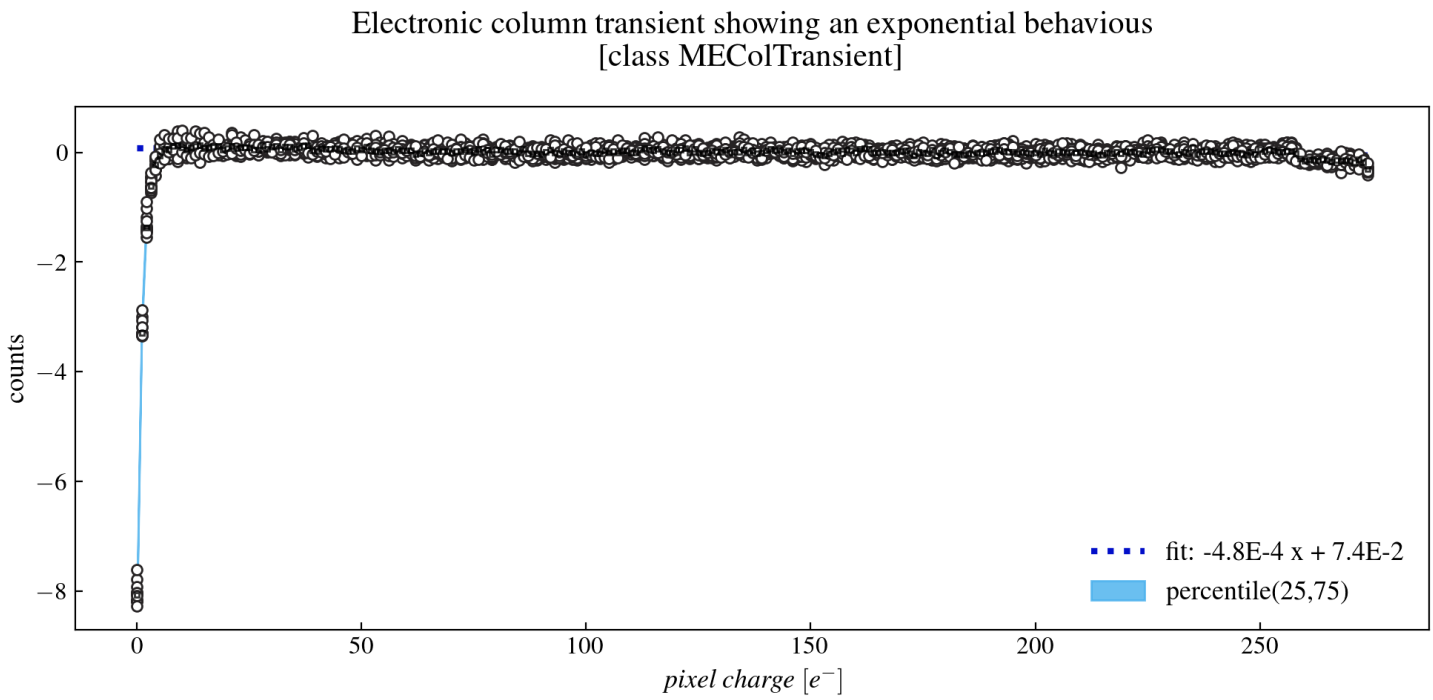


Figure 28: Electronic column transient showing an exponential behavious

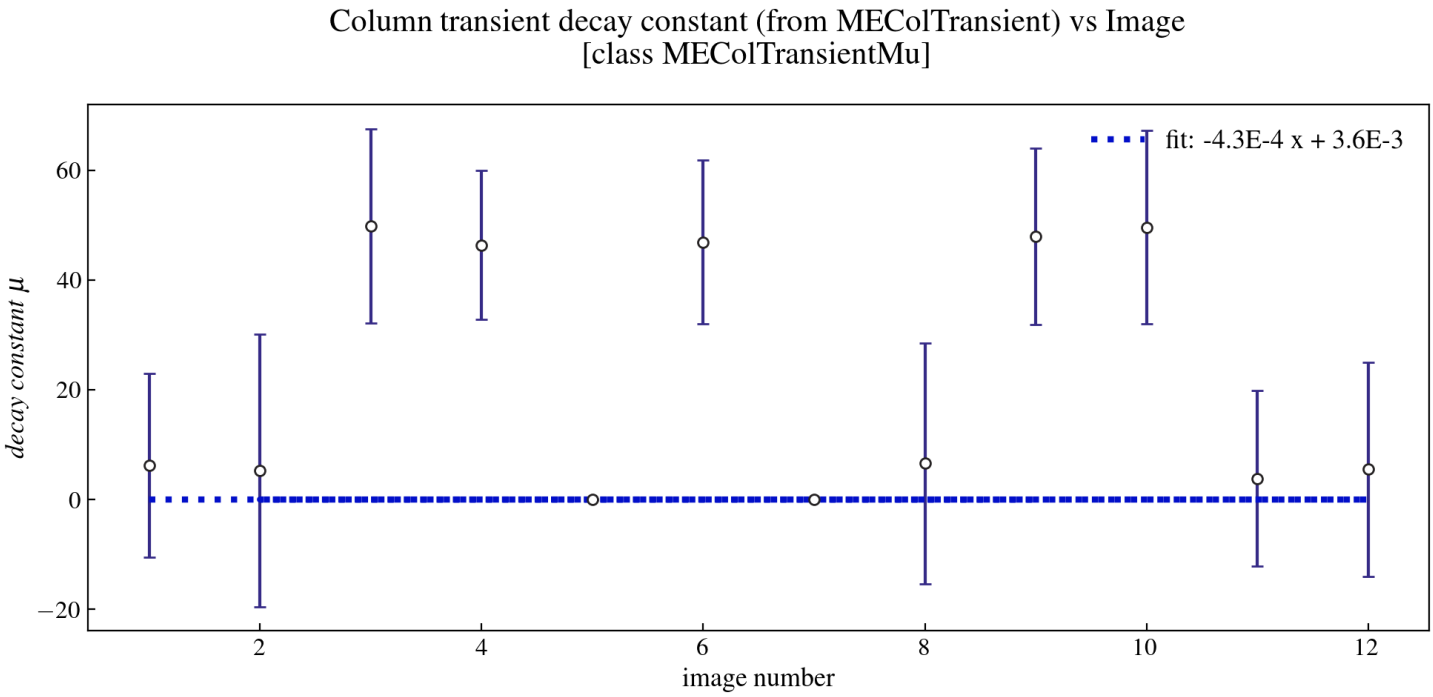


Figure 29: Column transient decay constant (from MEColTransient) vs Image

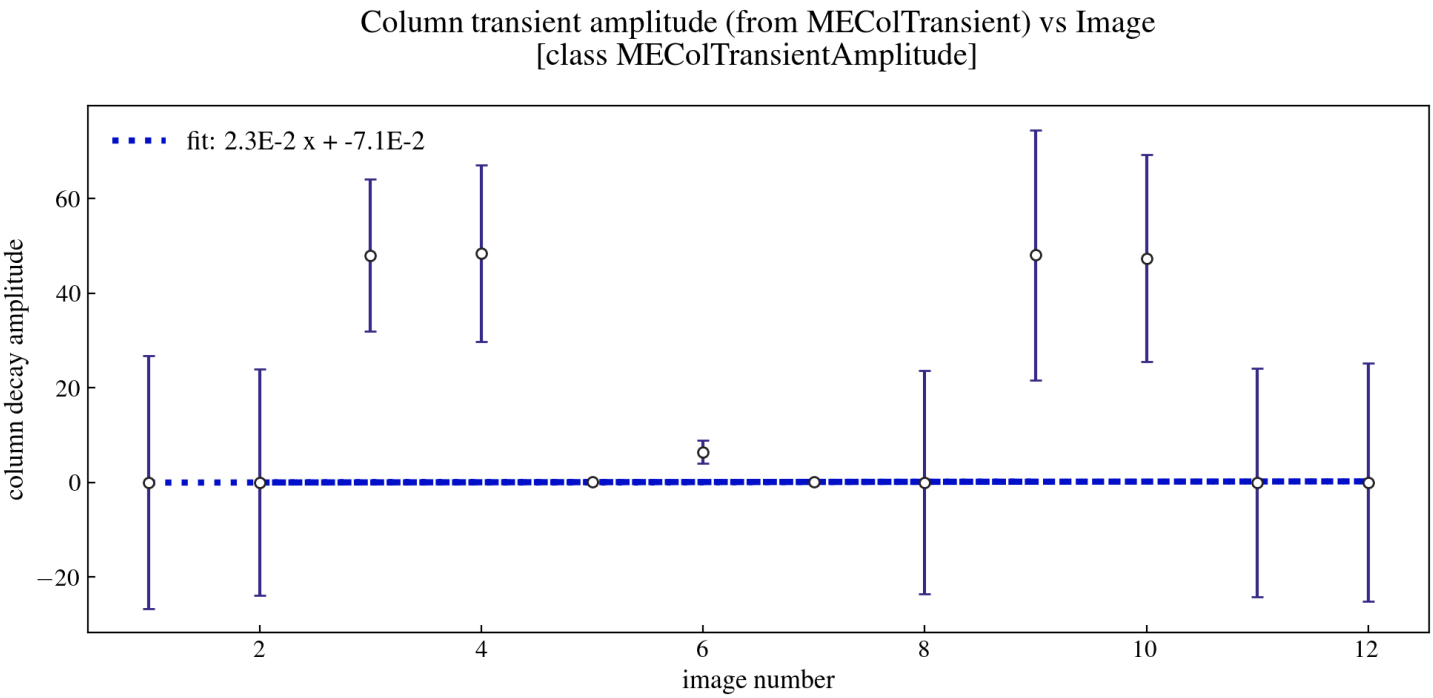


Figure 30: Column transient amplitude (from MEColTransient) vs Image

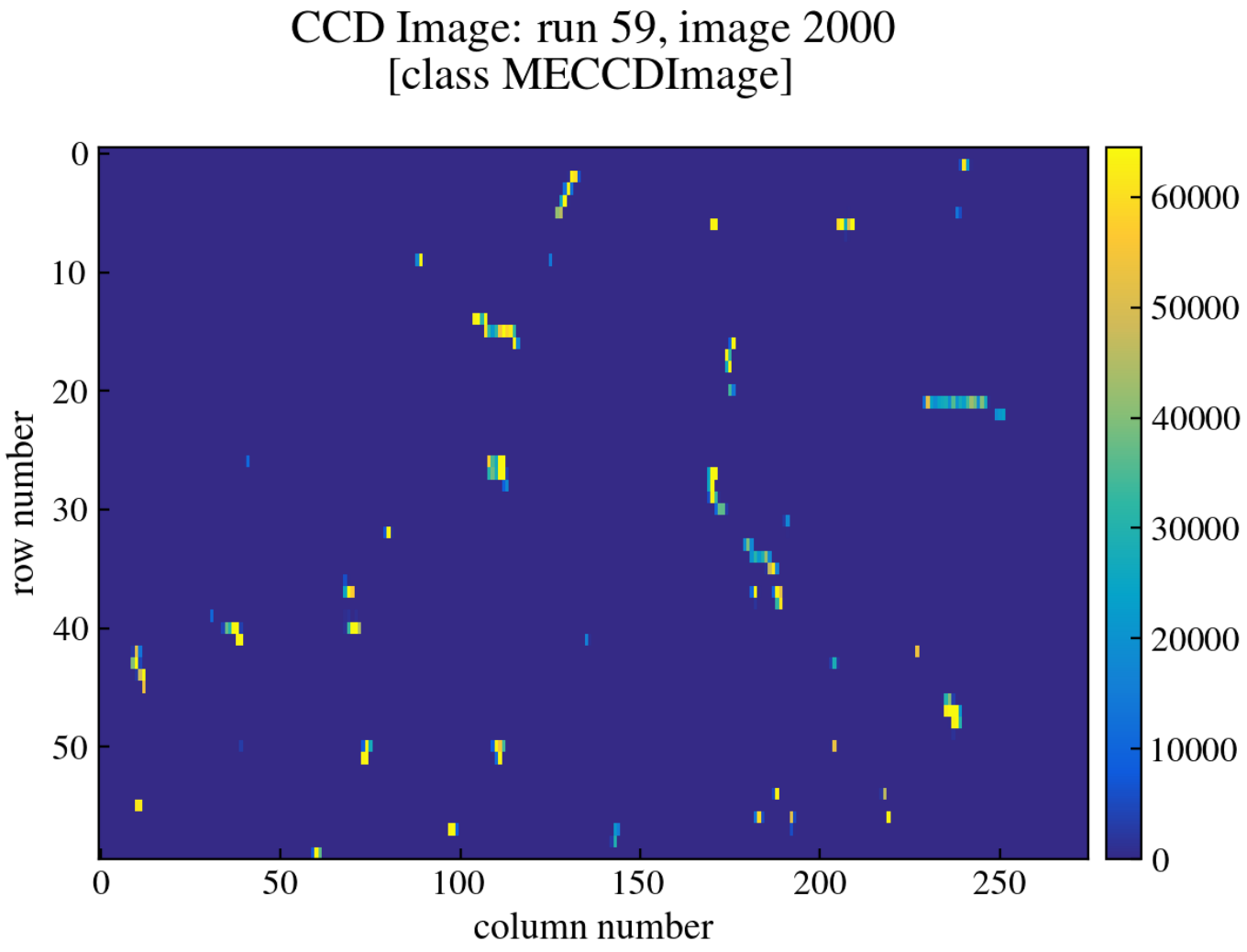


Figure 31: CCD Image

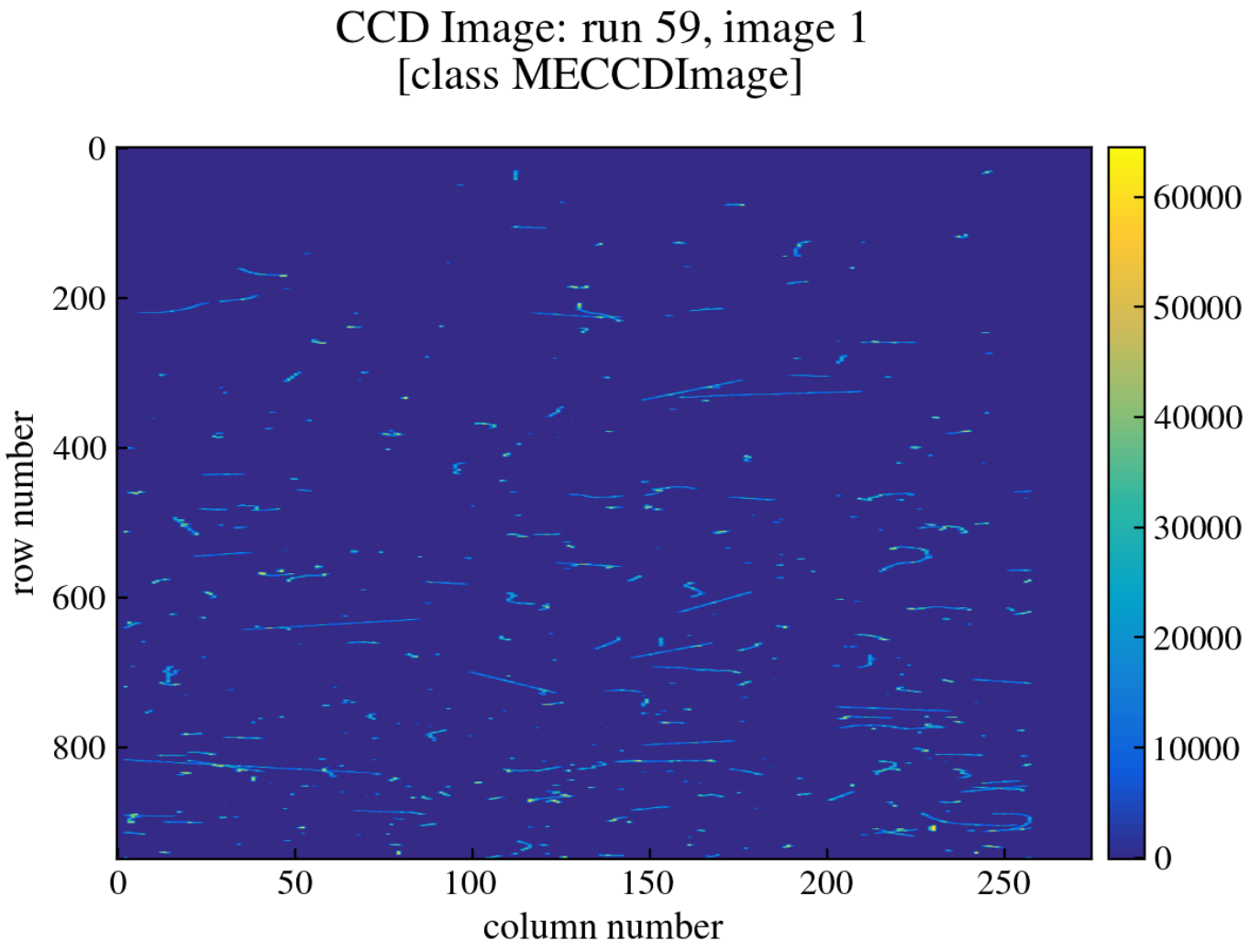


Figure 32: CCD Image

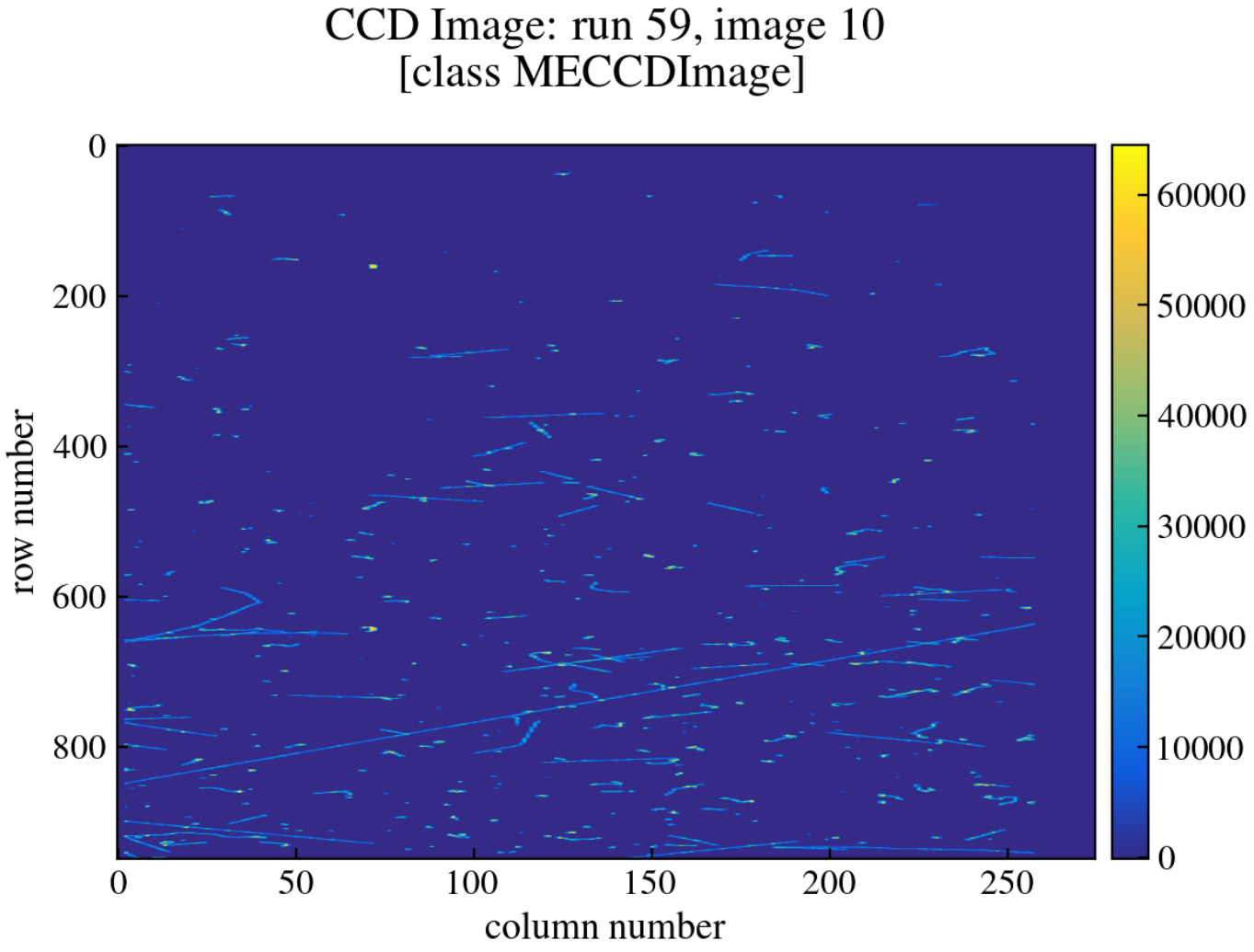


Figure 33: CCD Image

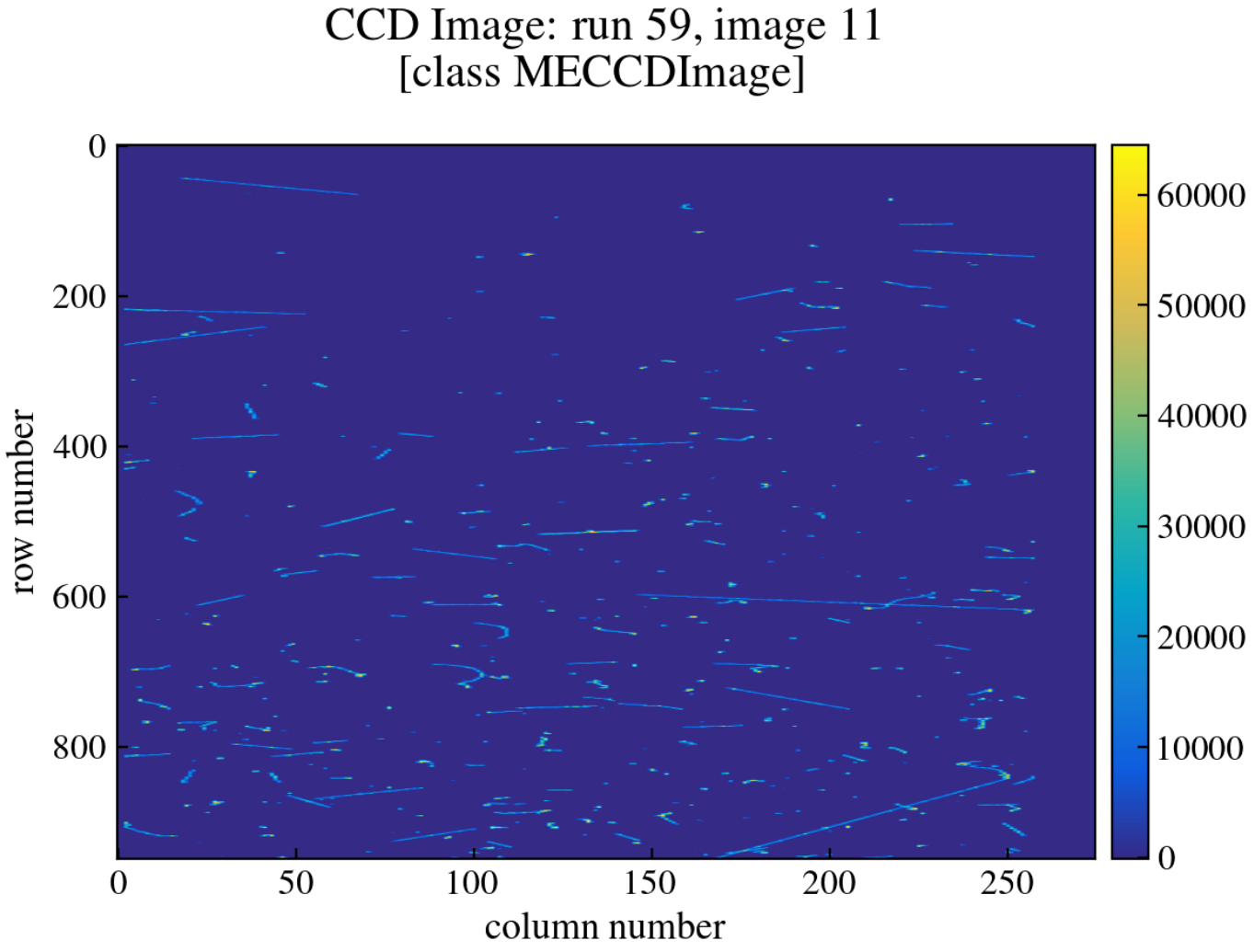


Figure 34: CCD Image

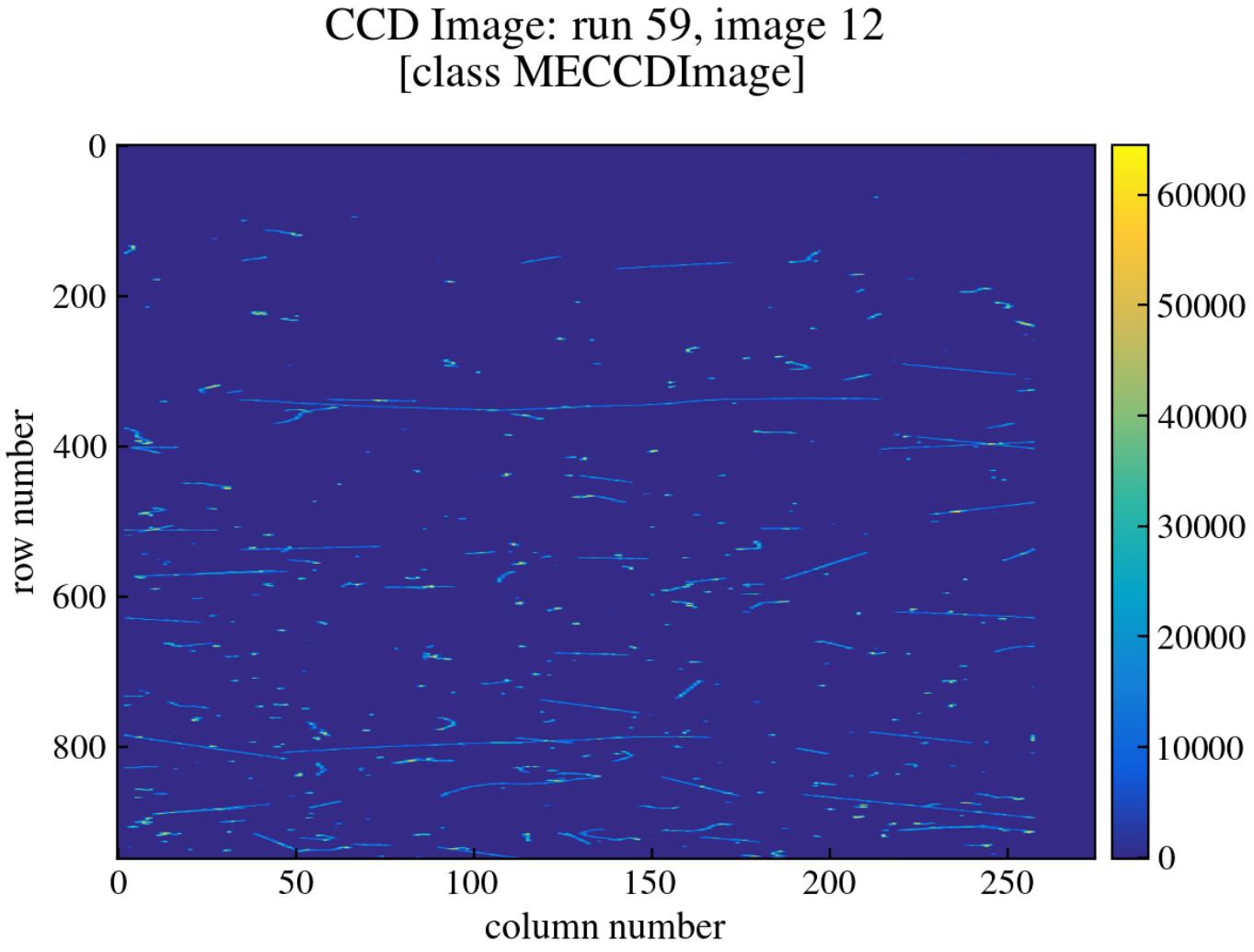


Figure 35: CCD Image

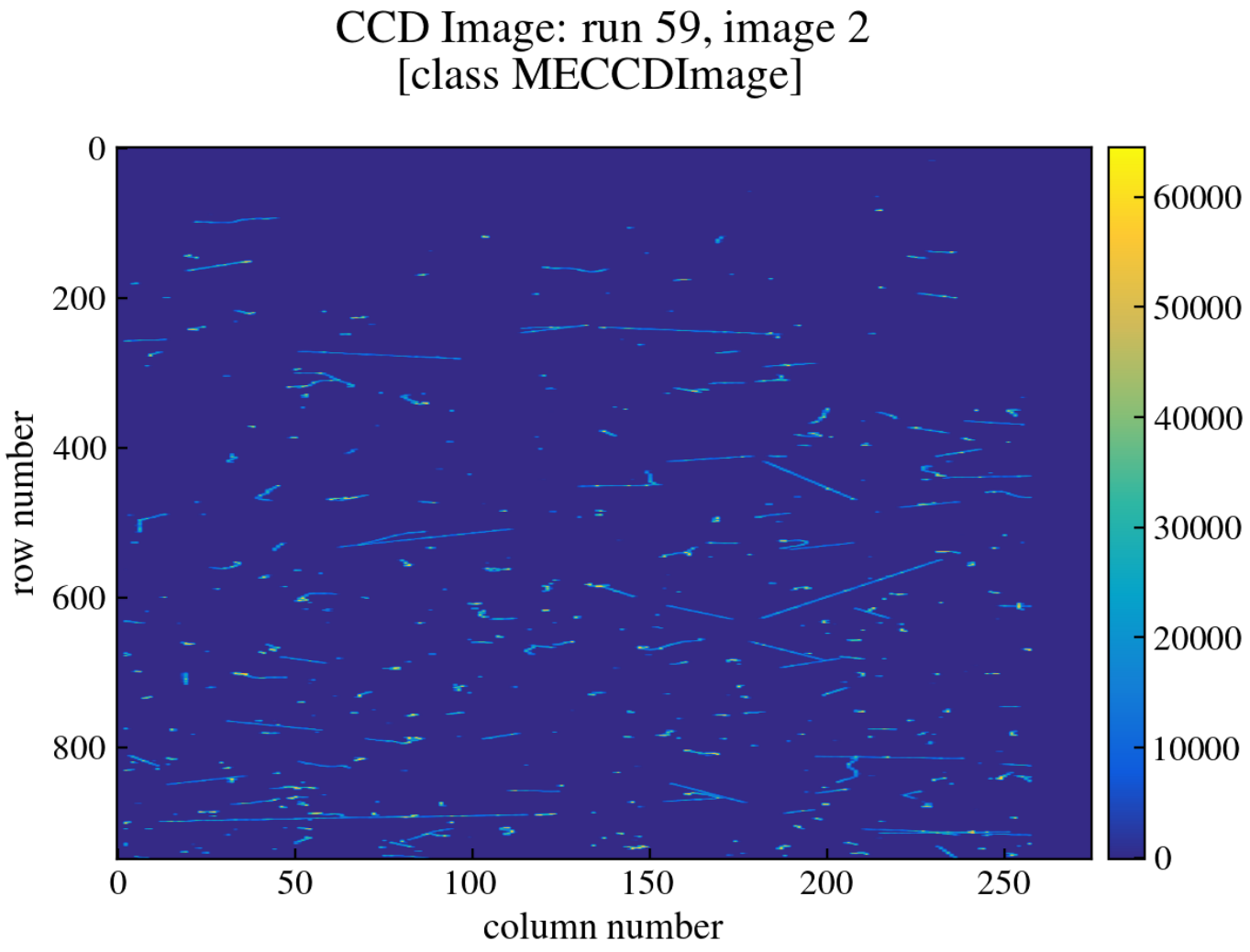


Figure 36: CCD Image

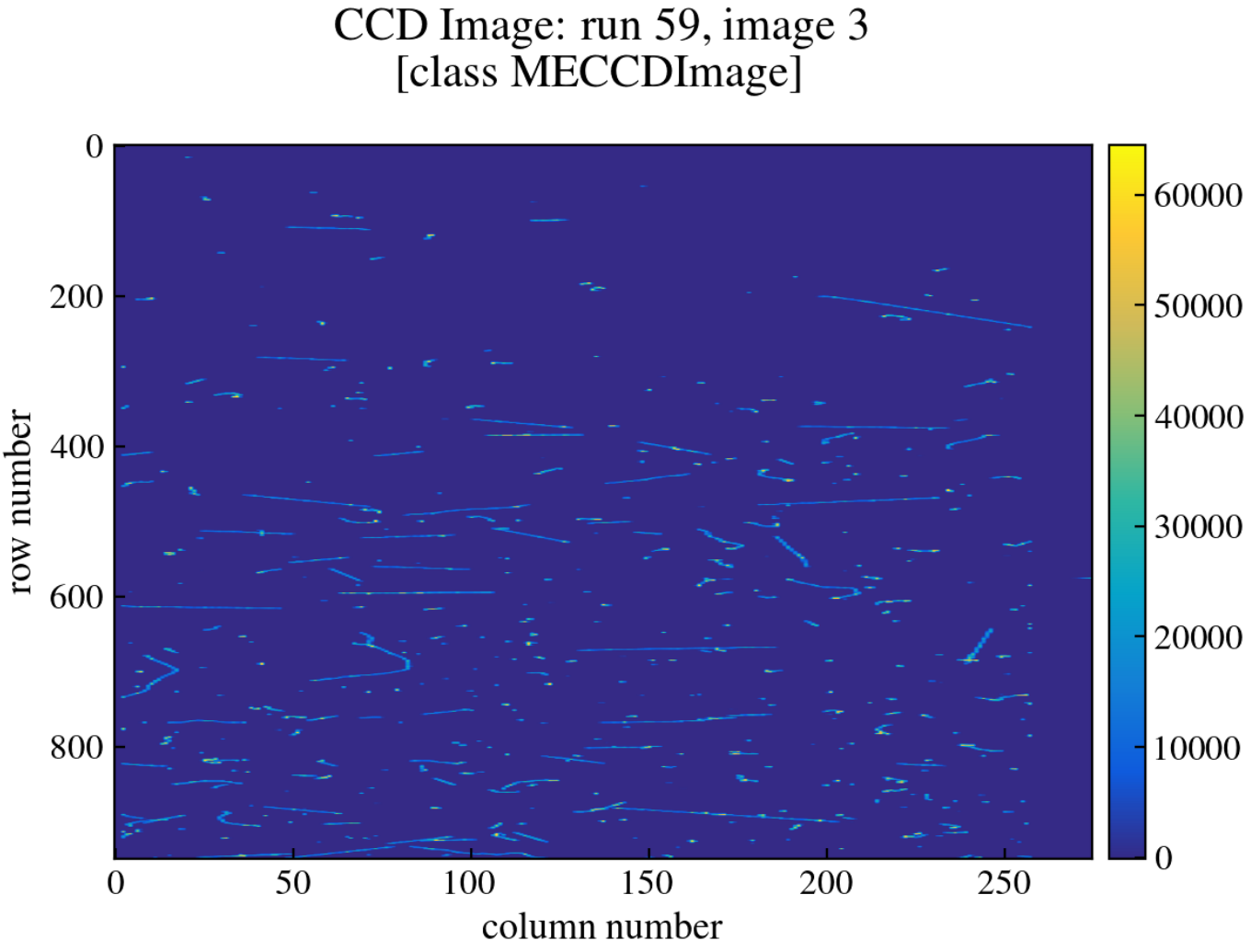


Figure 37: CCD Image

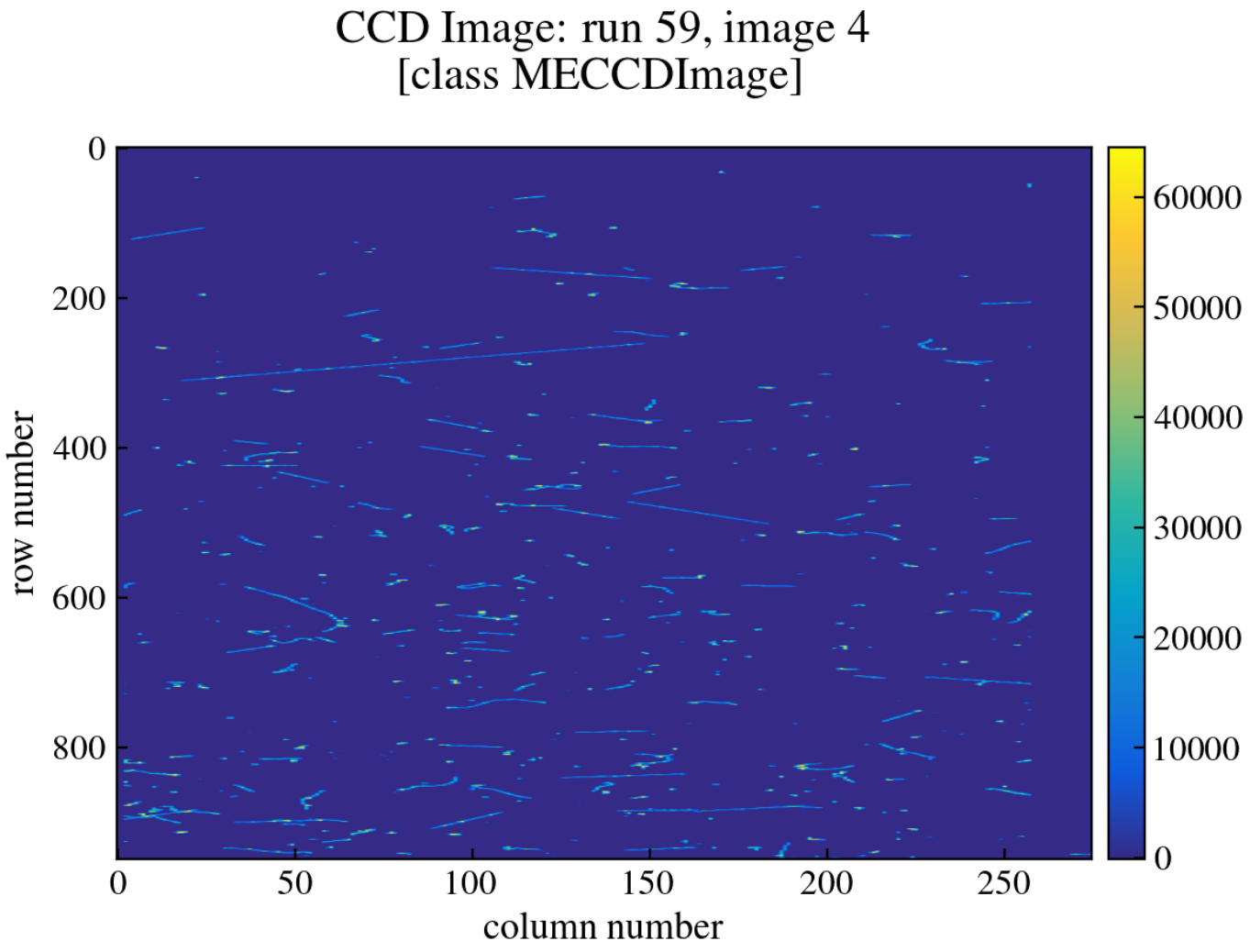


Figure 38: CCD Image

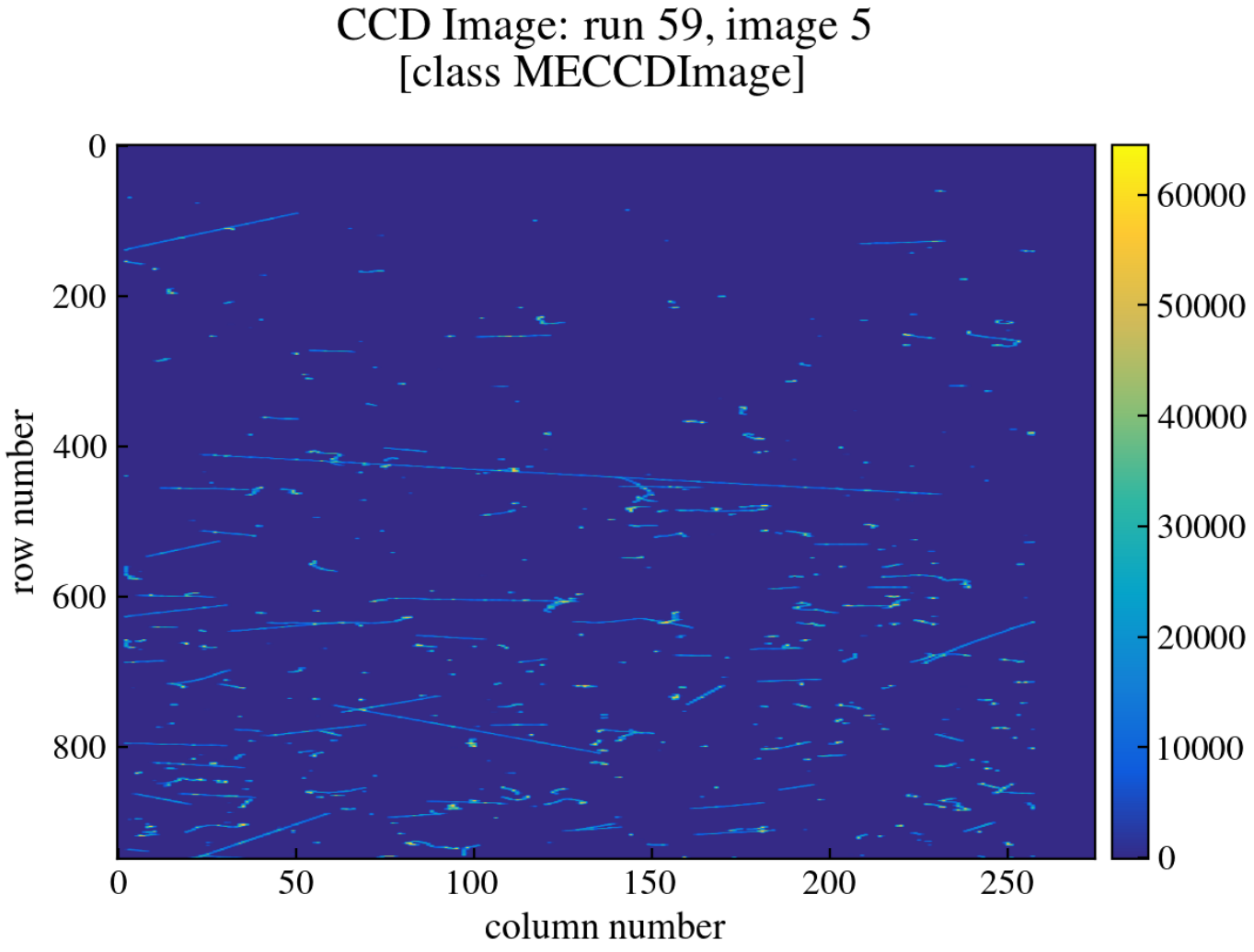


Figure 39: CCD Image

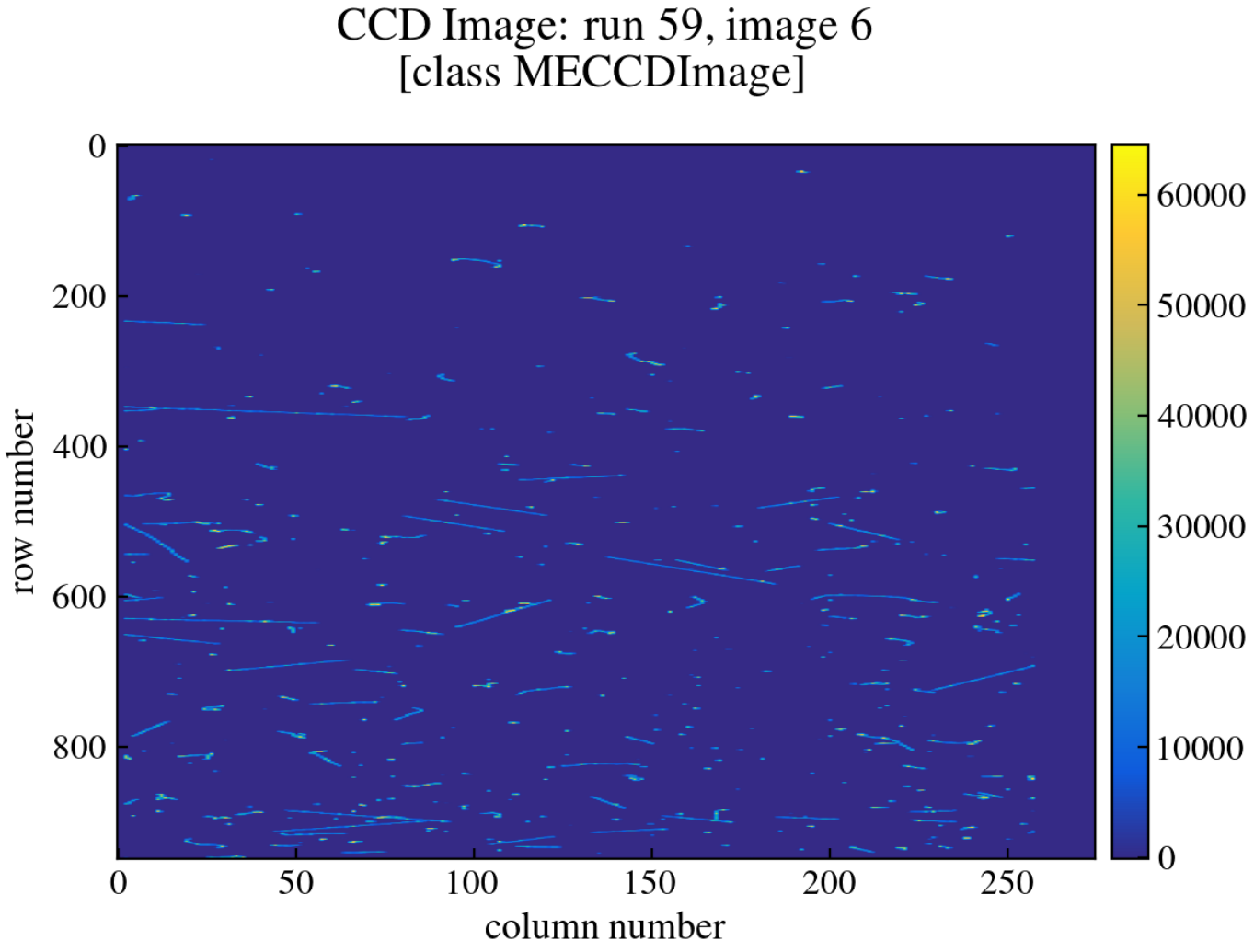


Figure 40: CCD Image

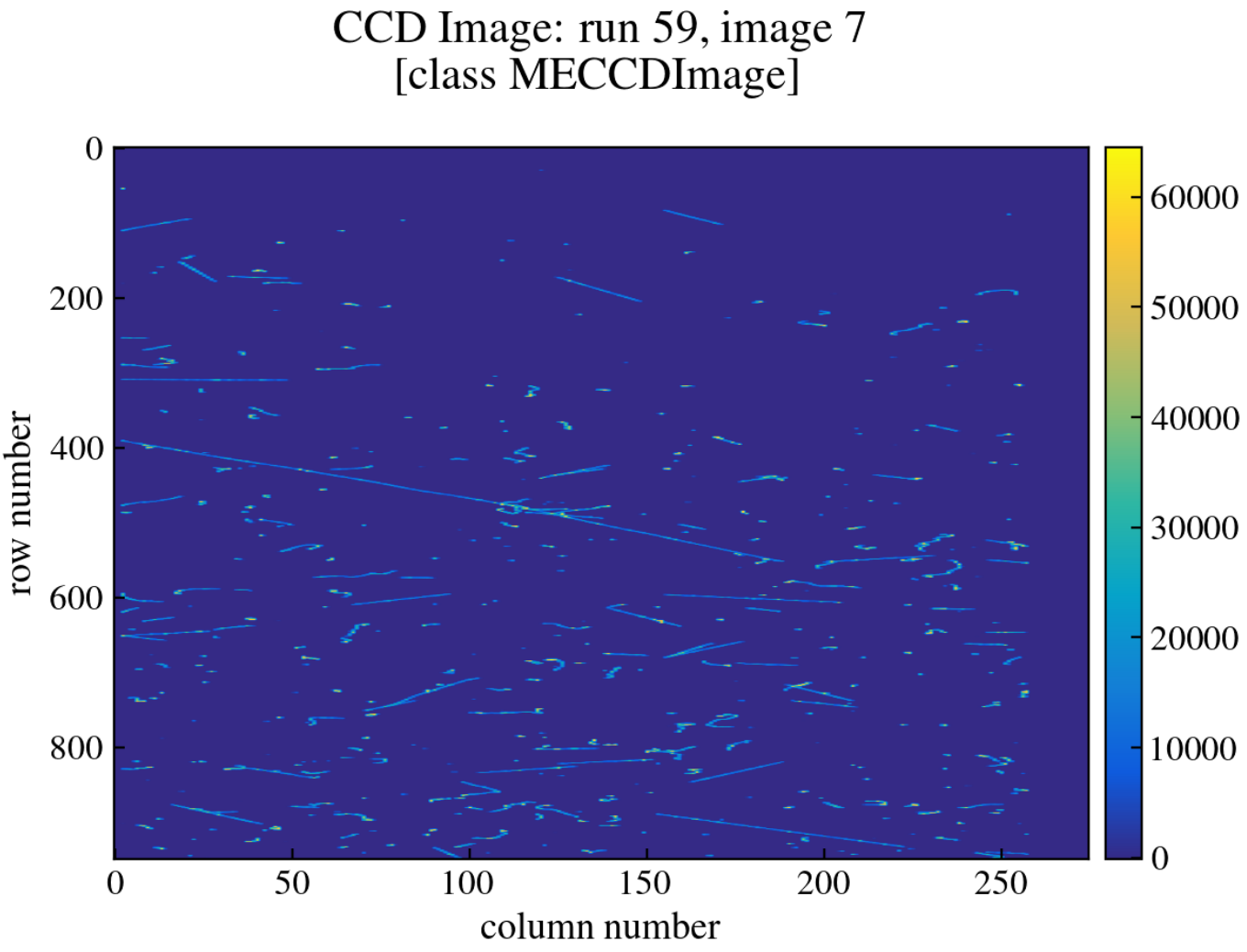


Figure 41: CCD Image

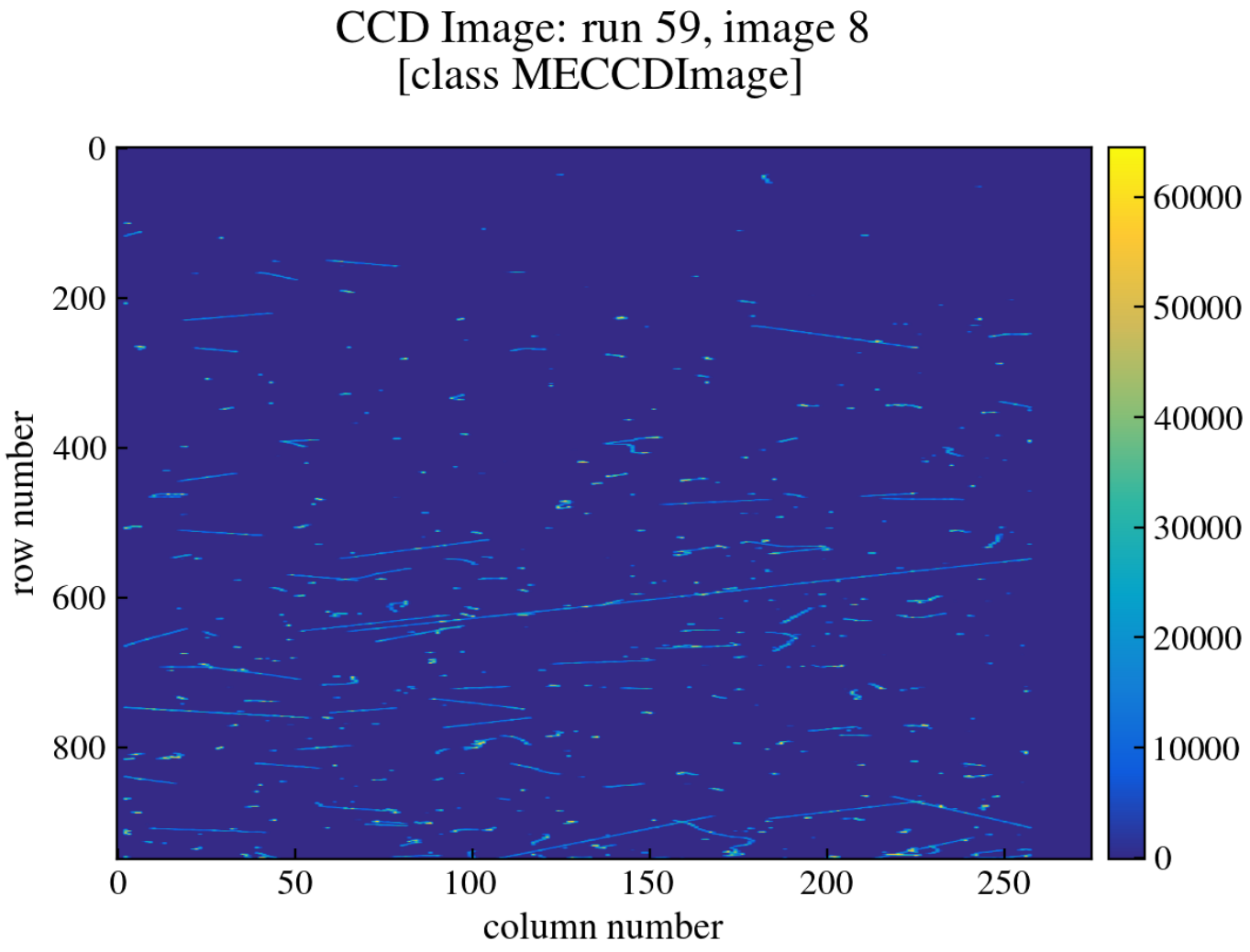


Figure 42: CCD Image

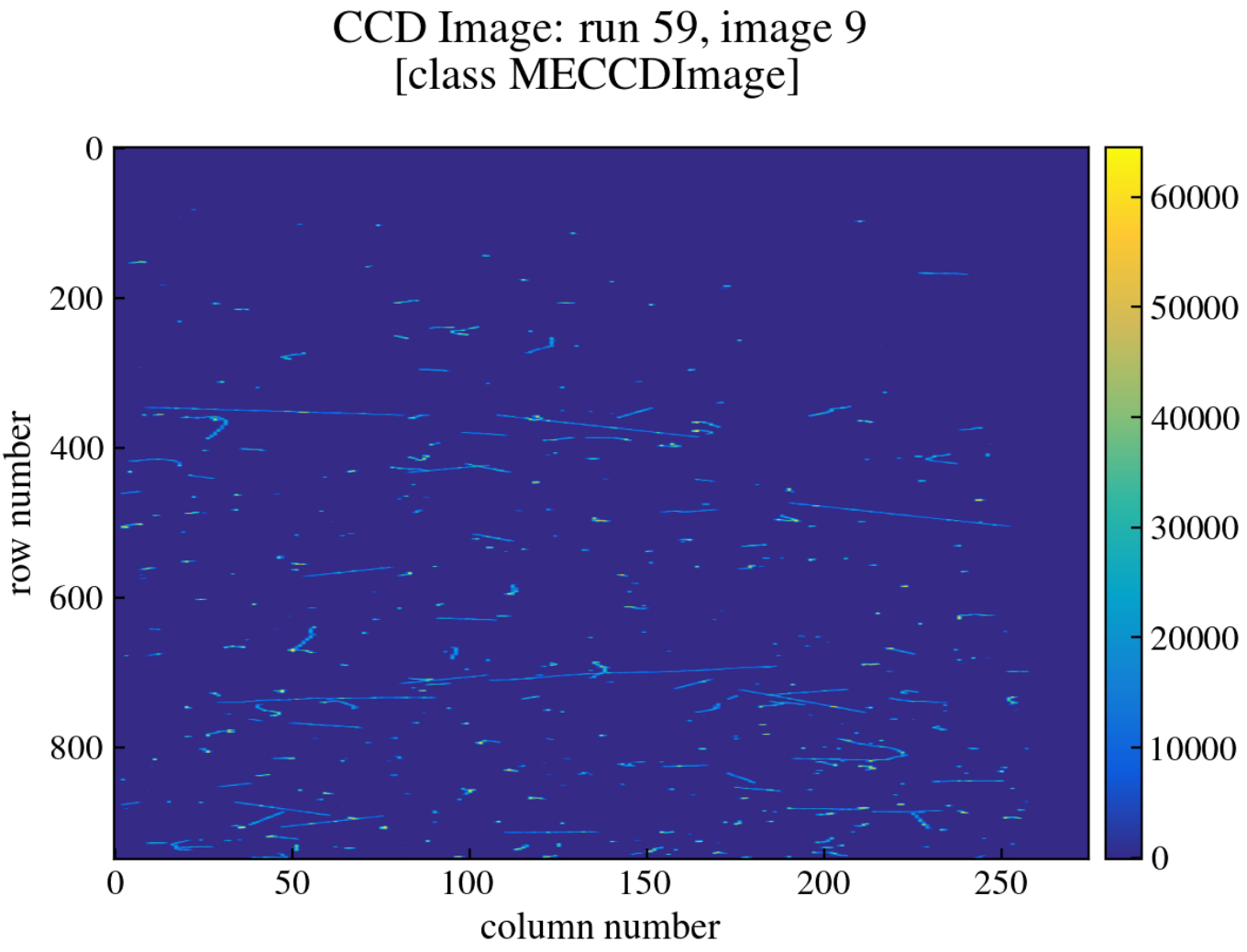


Figure 43: CCD Image

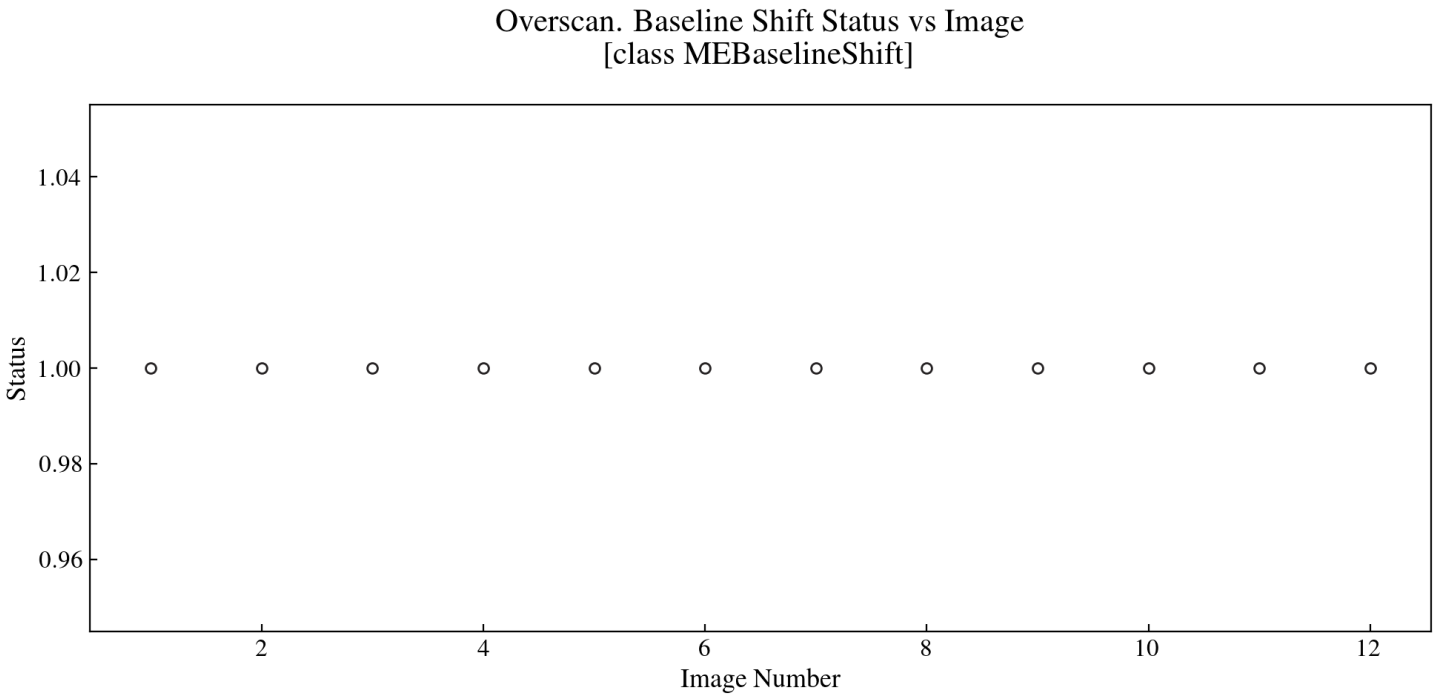


Figure 44: Overscan. Baseline Shift Status vs Image

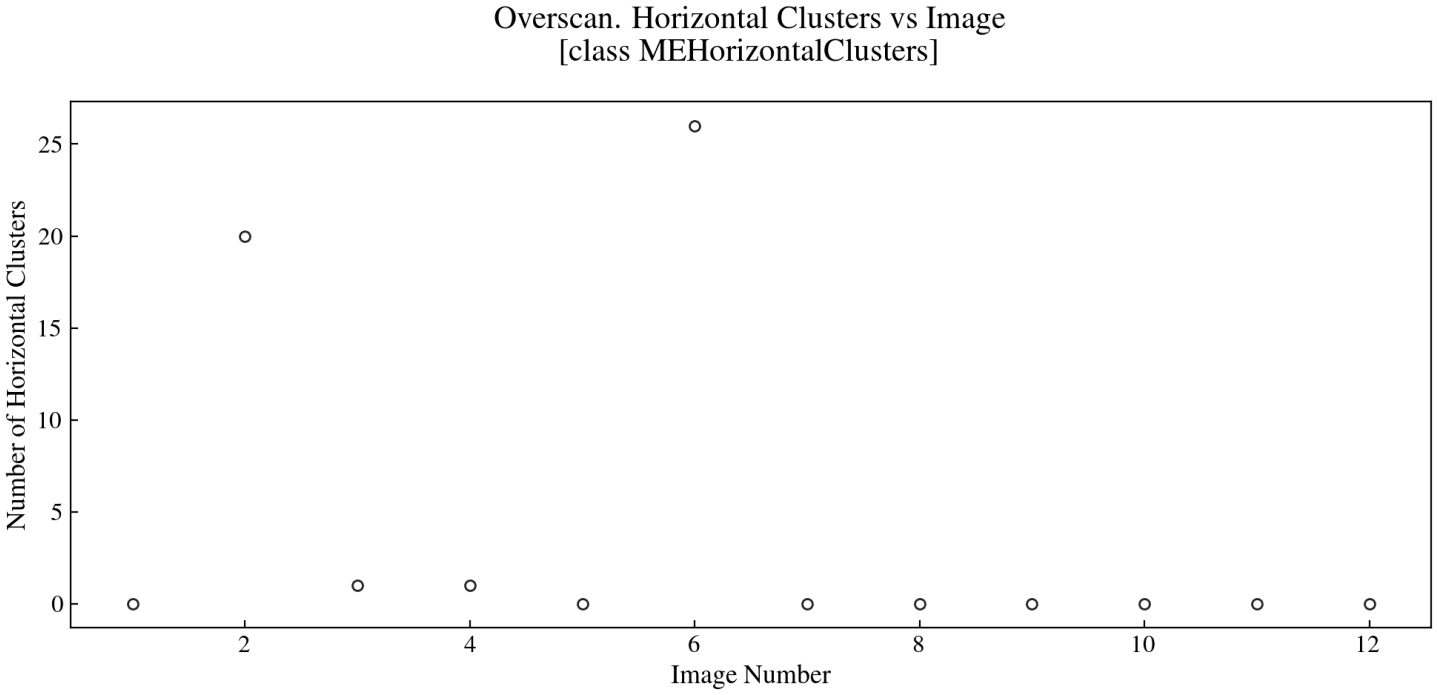
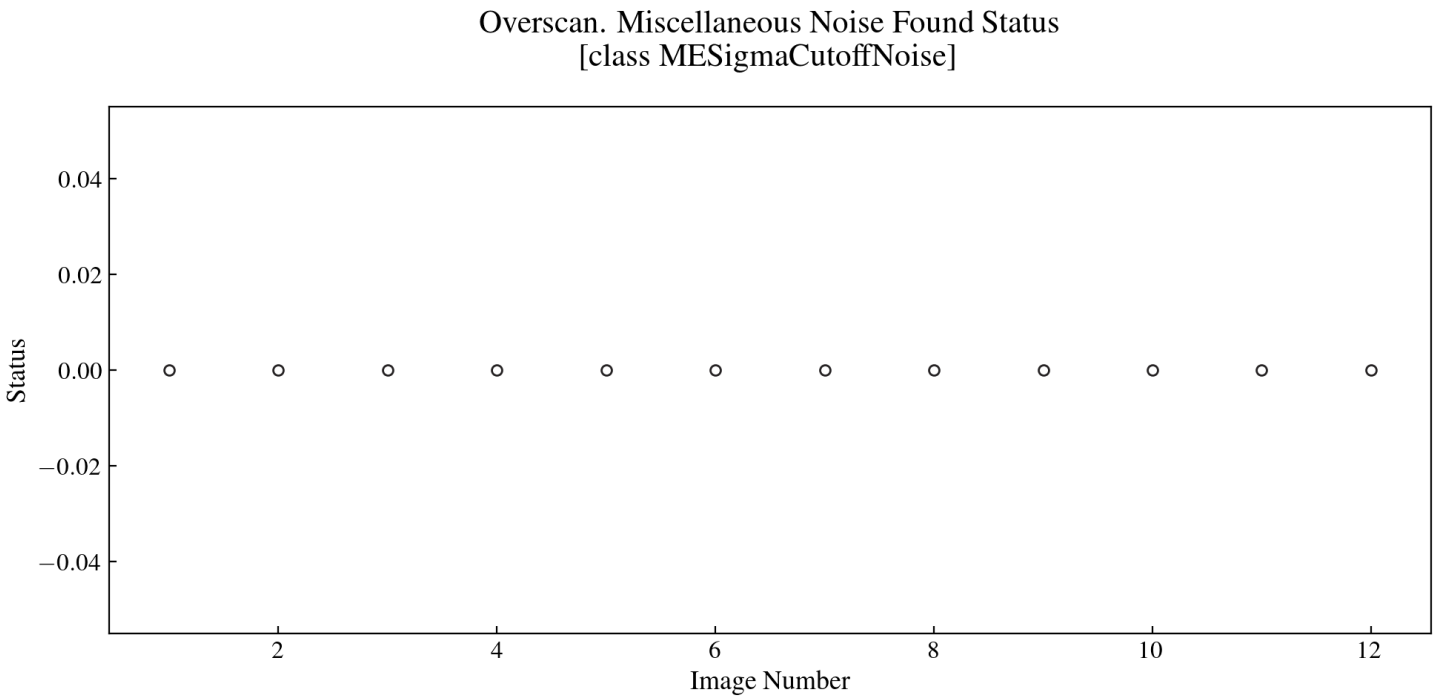


Figure 45: Overscan. Horizontal Clusters vs Image



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