

# DQM Report for run number 454

pysimdamicm.dqm.dqm\_manager

November 14, 2021

Data directory:

/data/calidaq\_backup/DataTaking/Co57/Run\_454

Output directory:

/data/chicago/ComptonData/WADERS/Co57

Reference used:

None

Total images: 401

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

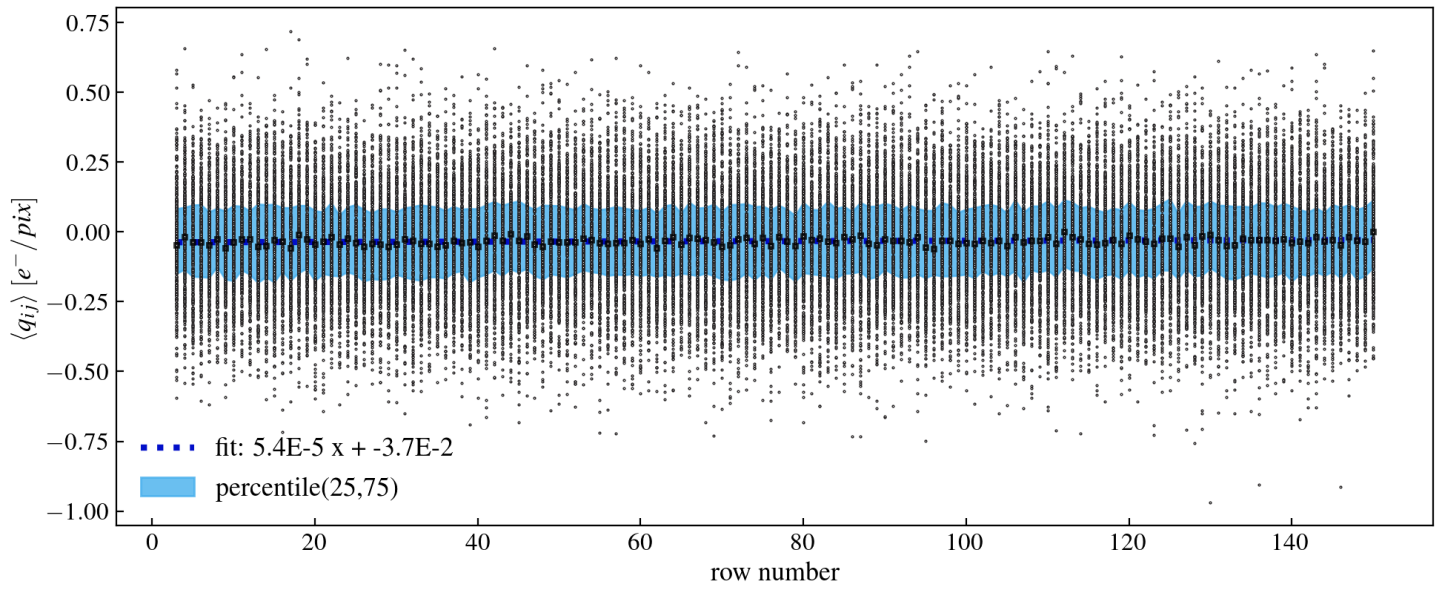


Figure 1: Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row

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

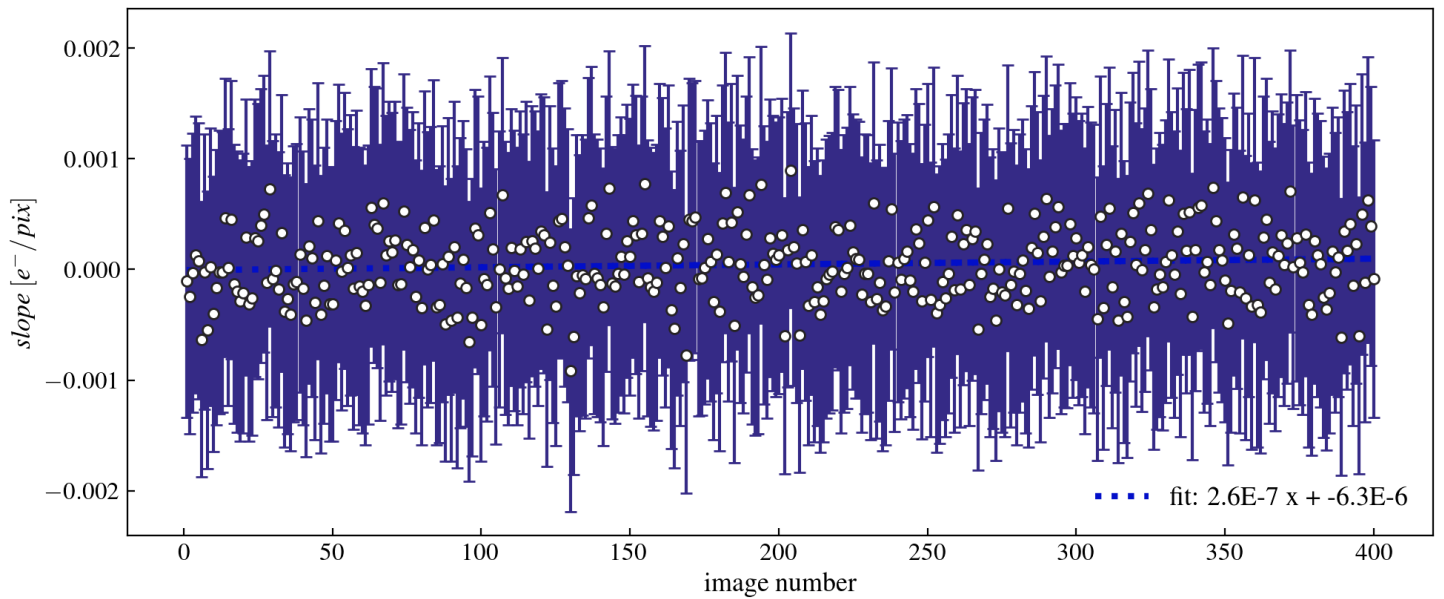


Figure 2: Slope DC fit (from MEMeanDCperRow) vs file

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

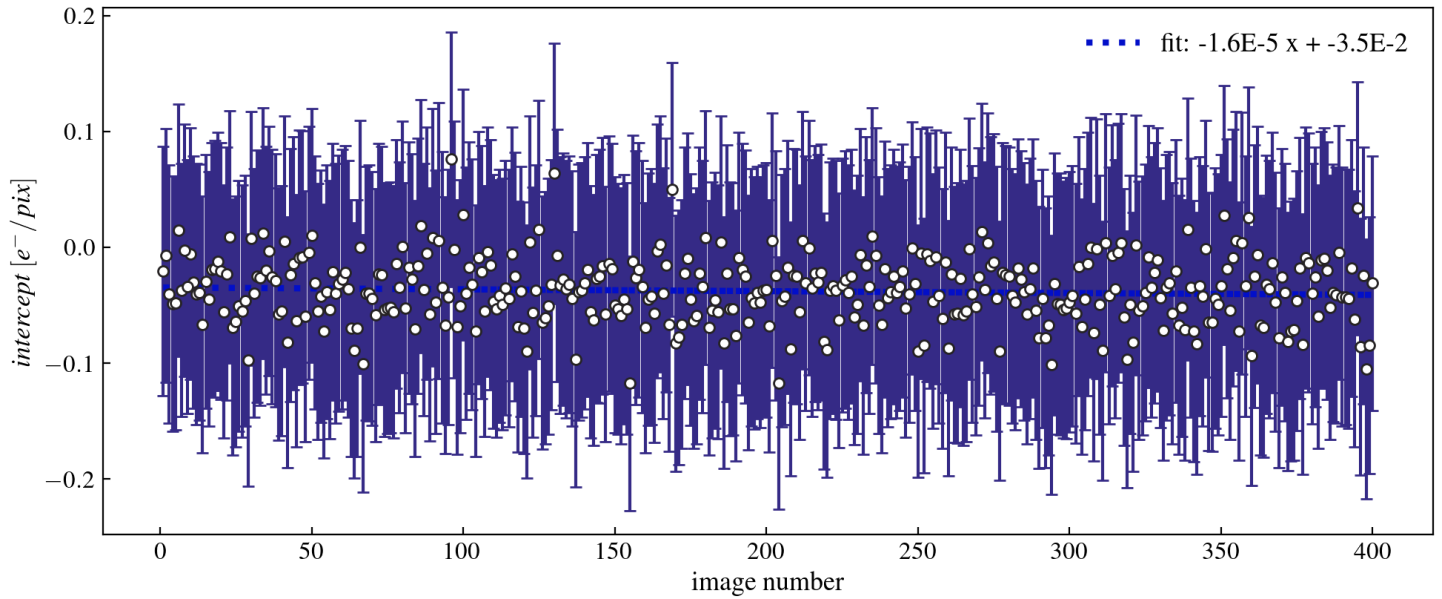


Figure 3: Intercept DC fit (from MEMeanDCperRow) vs file

Active area. Baseline vs row  
[class MESensorMedianperRow]

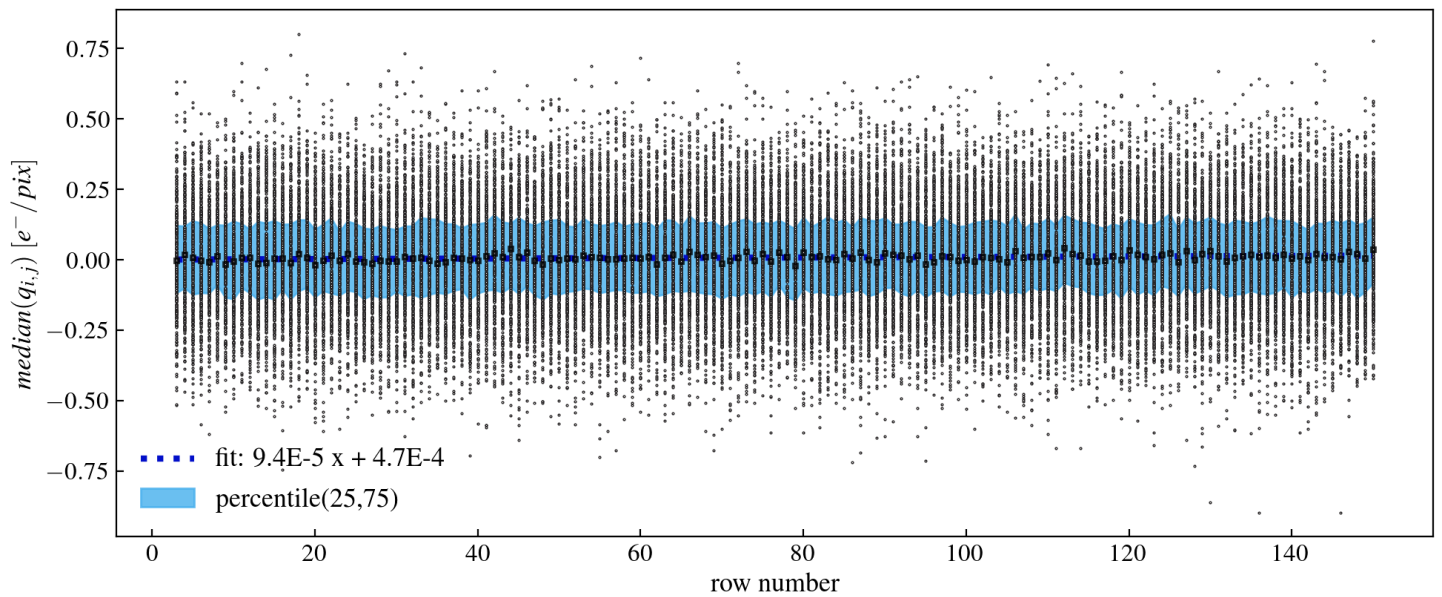


Figure 4: Active area. Baseline vs row

Active area. MAD vs row  
[class MESensorMADperRow]

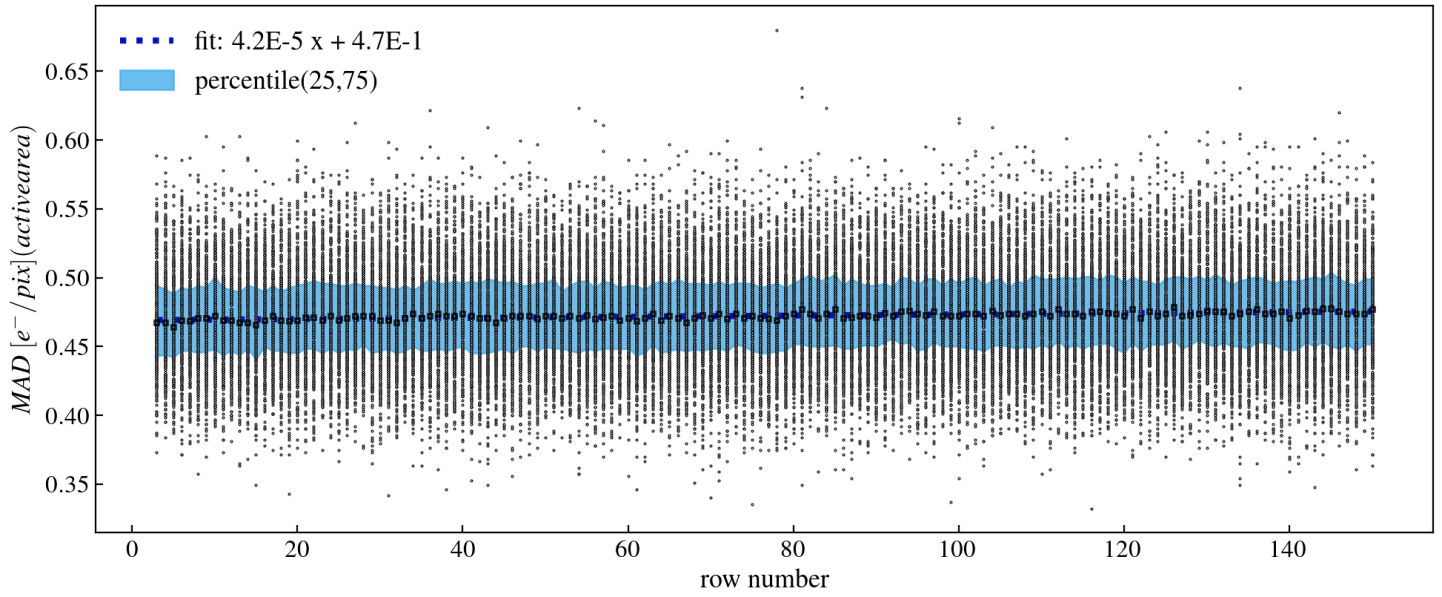


Figure 5: Active area. MAD vs row

Full Image. Baseline vs column  
[class MEImageMedianperCol]

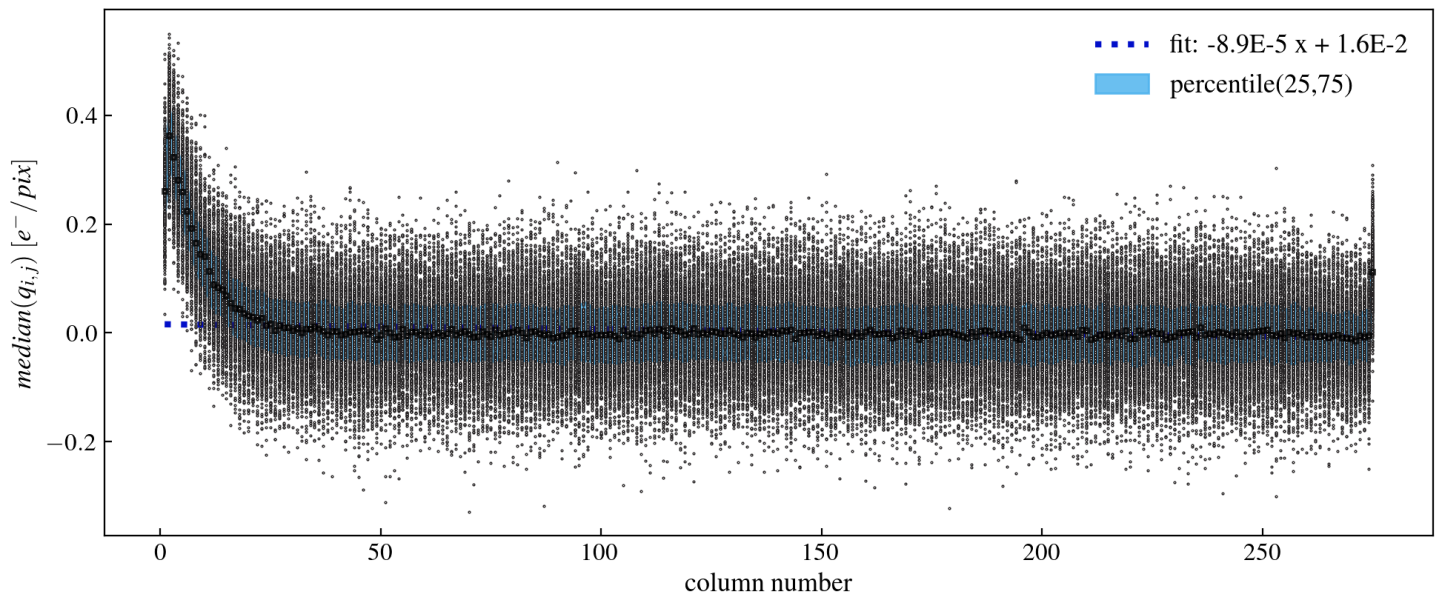


Figure 6: Full Image. Baseline vs column



Full Image. MAD vs column  
[class MEImageMADperCol]

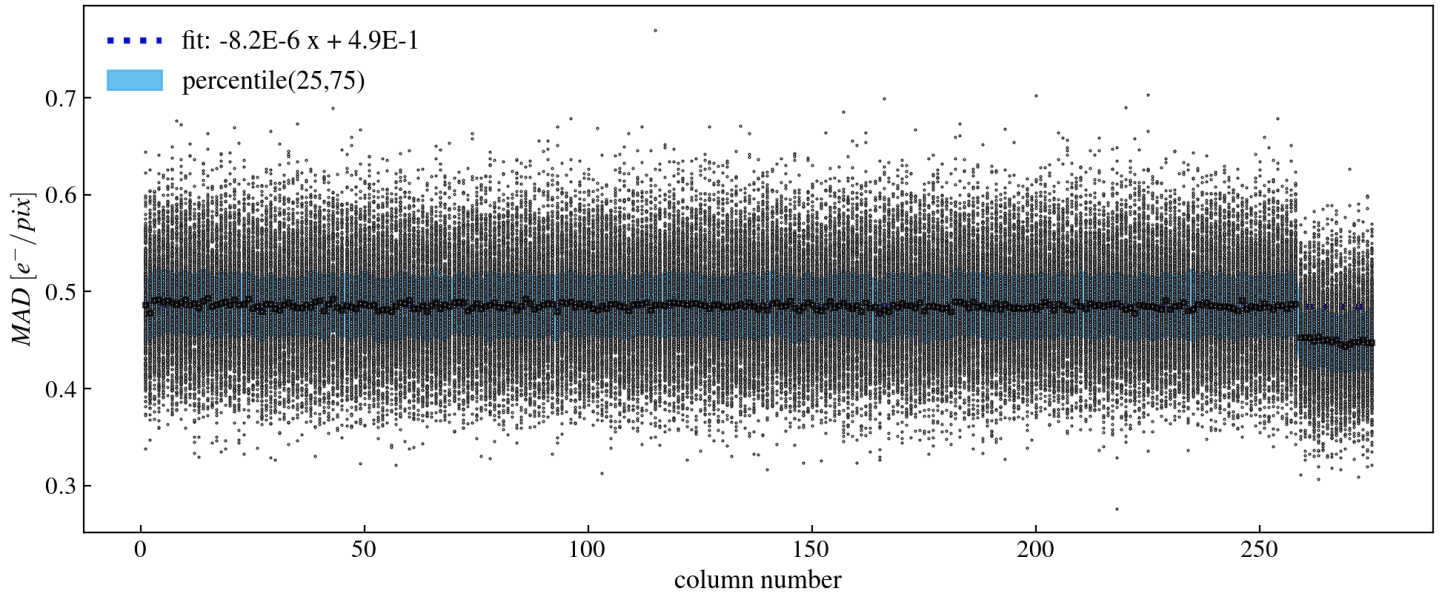


Figure 7: Full Image. MAD vs column

Overscan. Baseline vs row  
[class MEOverscanMedianperRow]

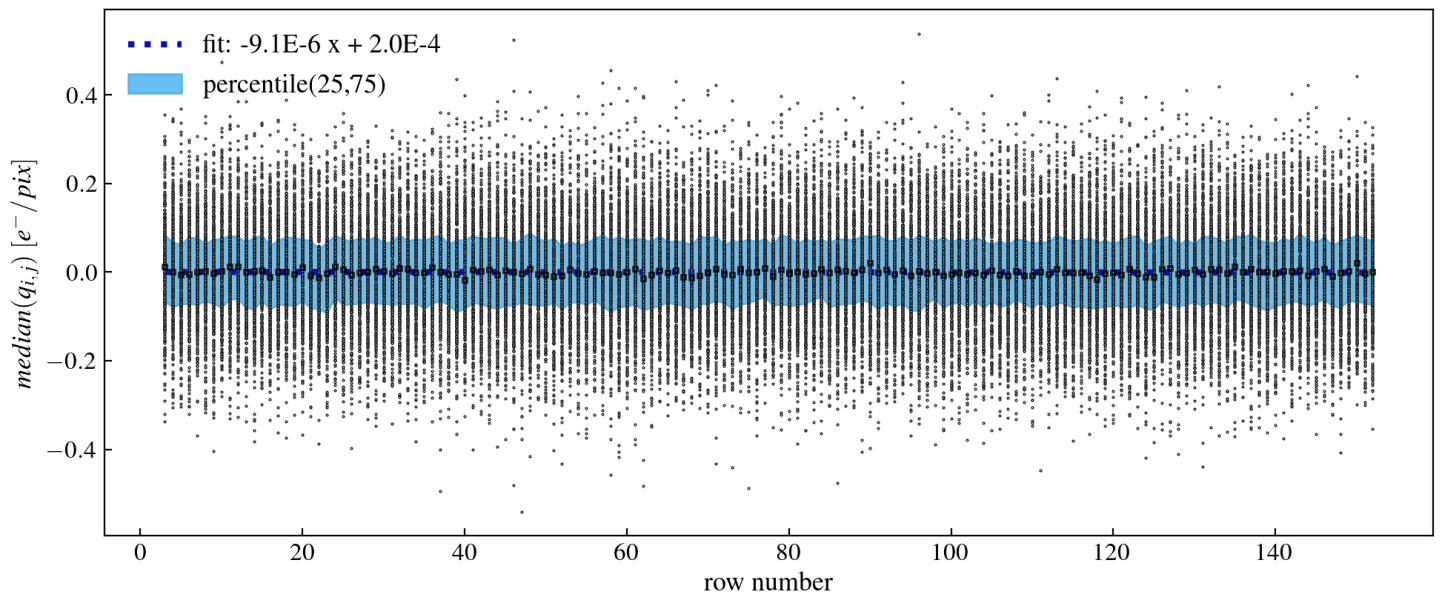


Figure 8: Overscan. Baseline vs row

Overscan. MAD vs row  
[class MEOverScanMADperRow]

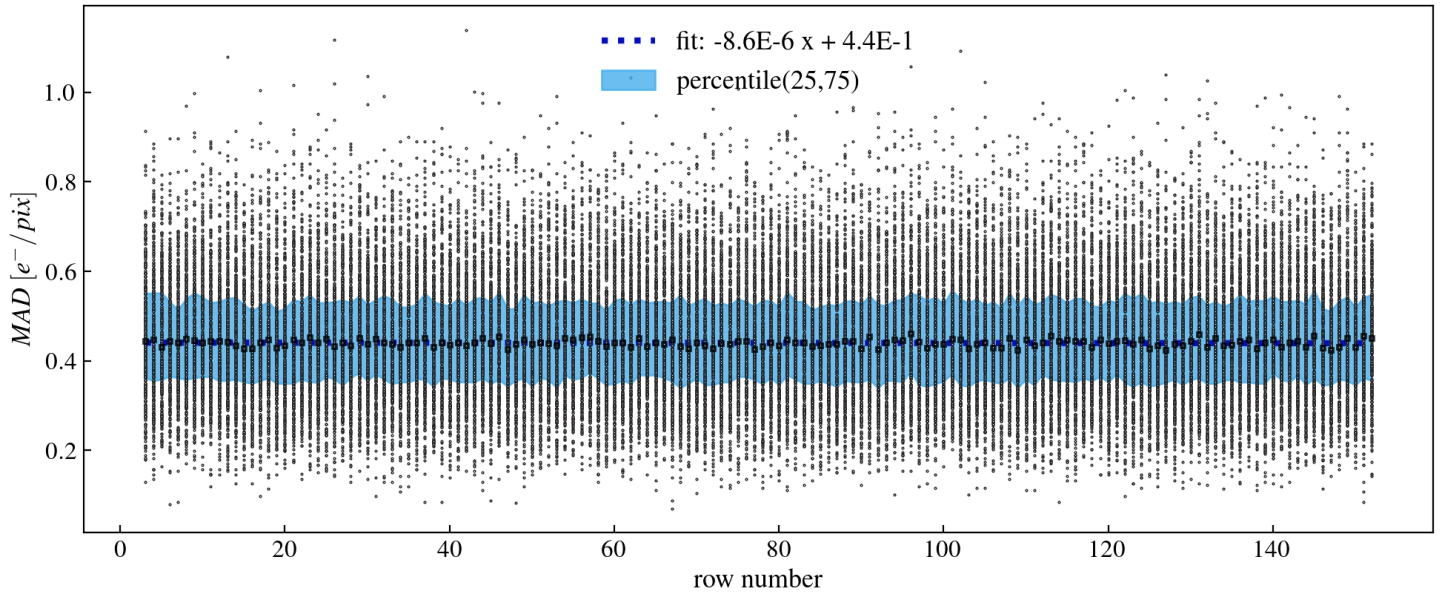


Figure 9: OverScan. MAD vs row

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

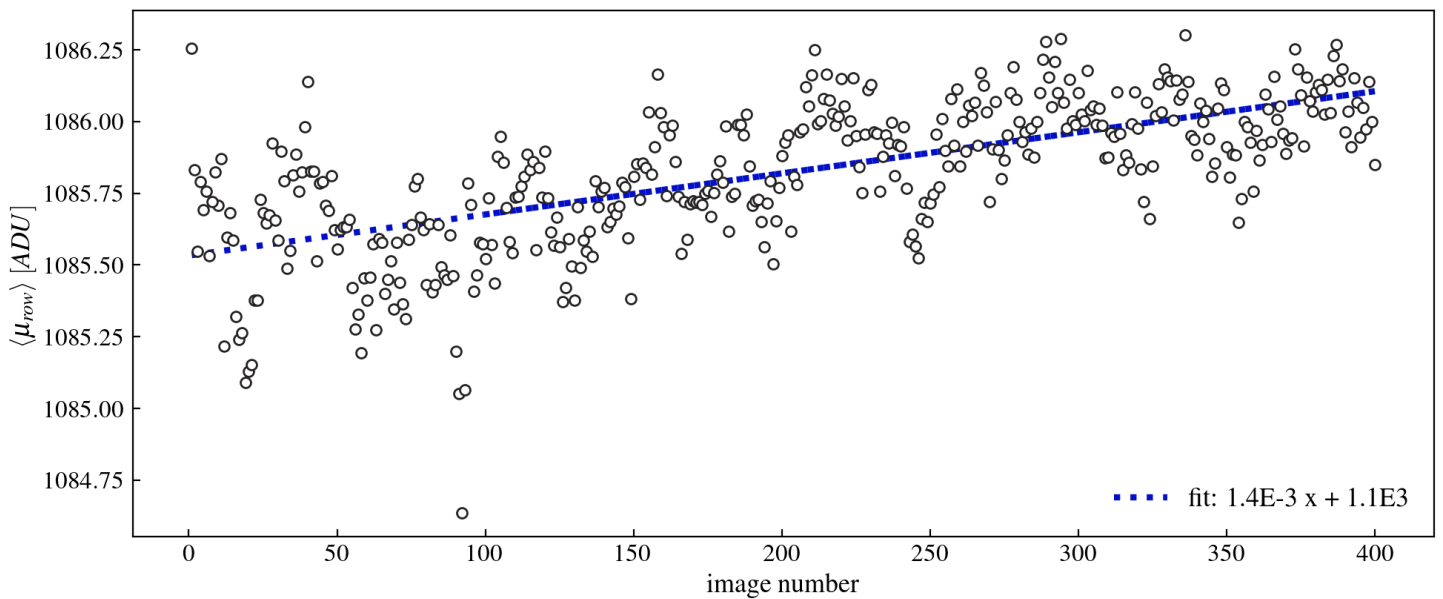


Figure 10: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

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

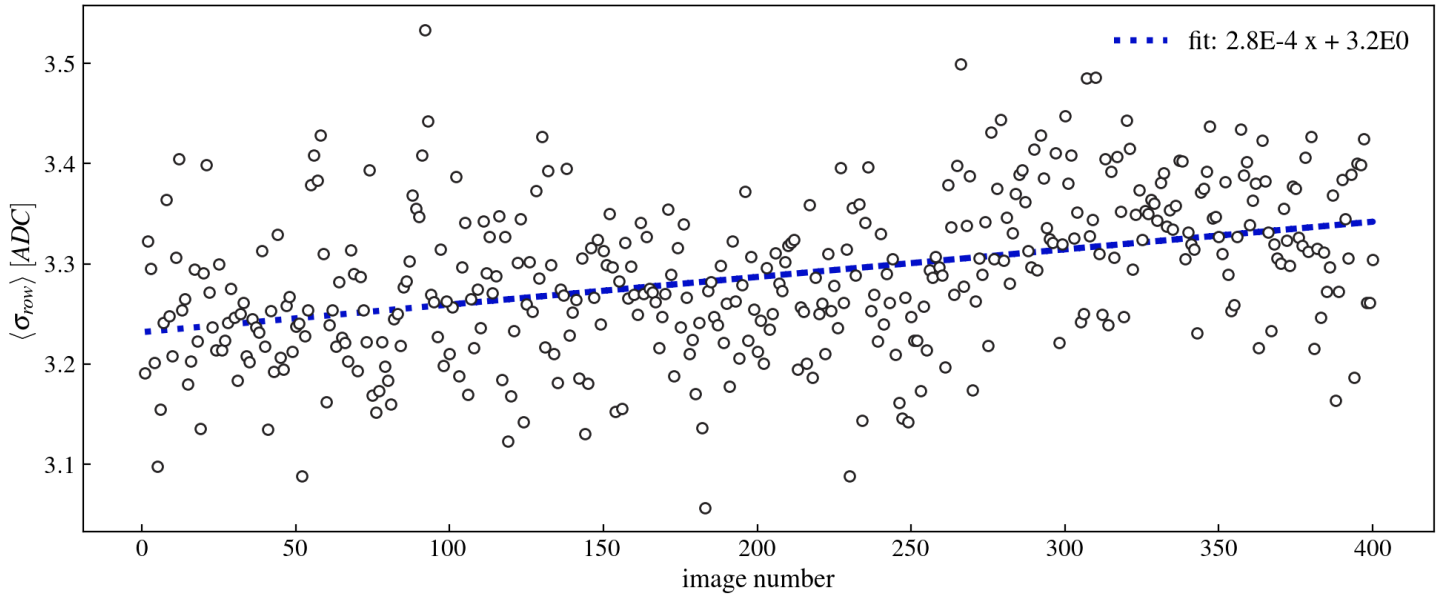


Figure 11: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

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

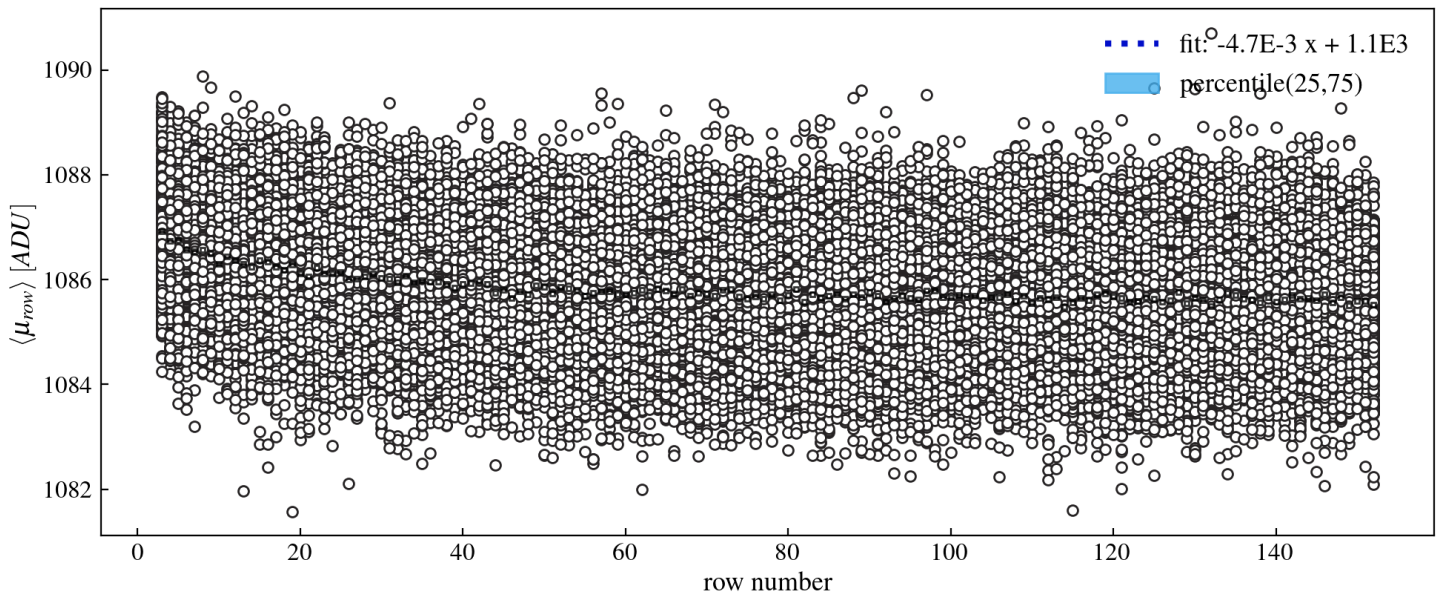


Figure 12: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)



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

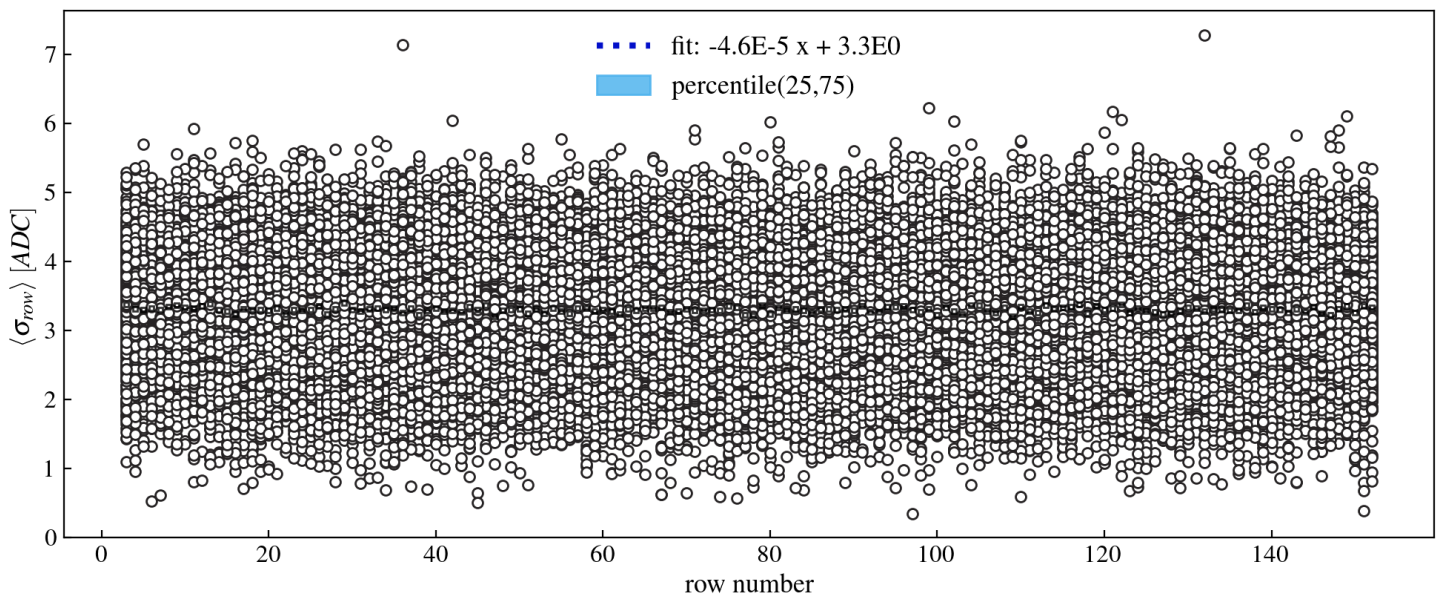


Figure 13: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

Masked pixels [run 454]: frequency  
[class MEMaskedPixels]

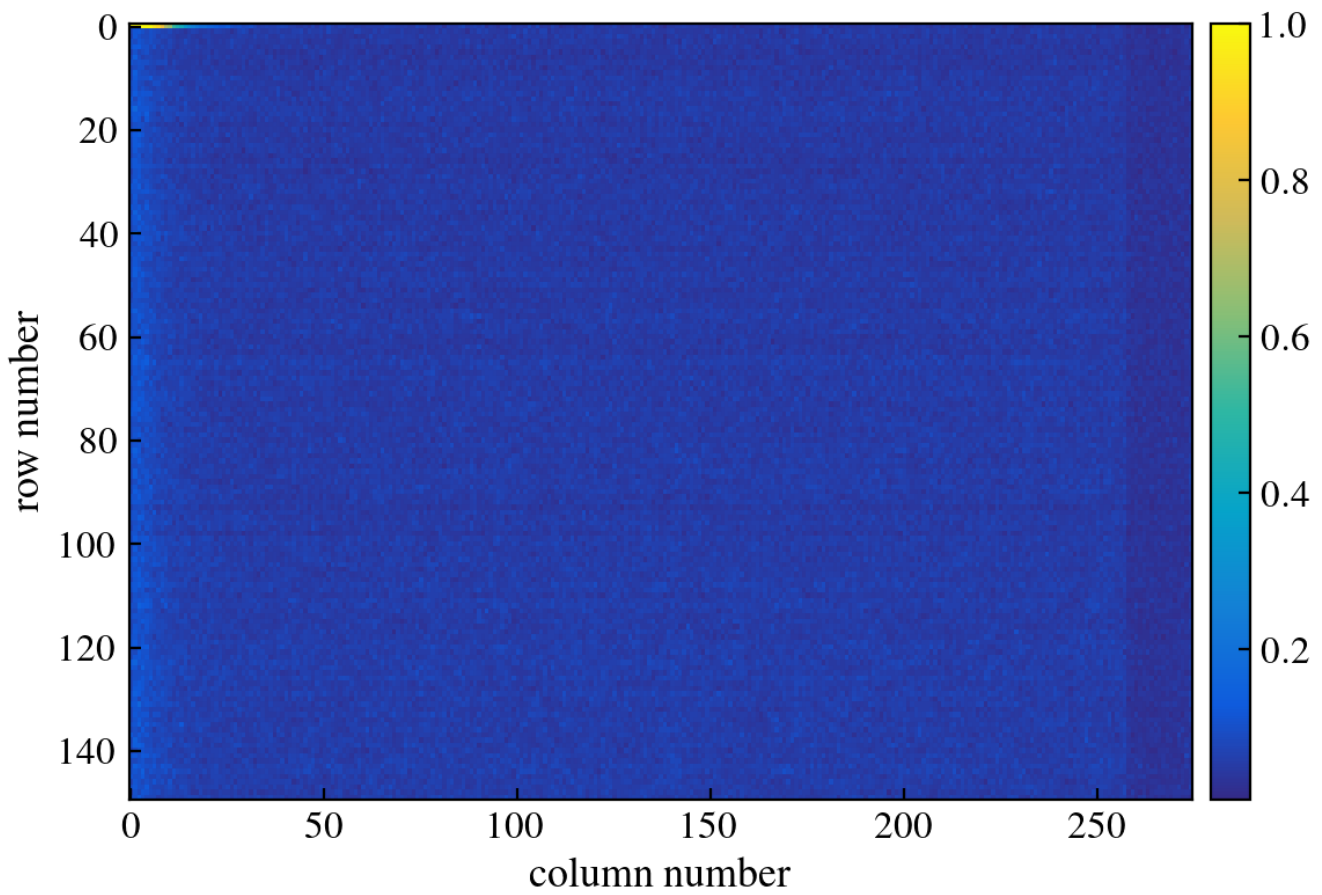


Figure 14: Masked pixels

Masked pixels [run 454]: mask  
[12] masked pixels  
[class MEMaskedPixels]

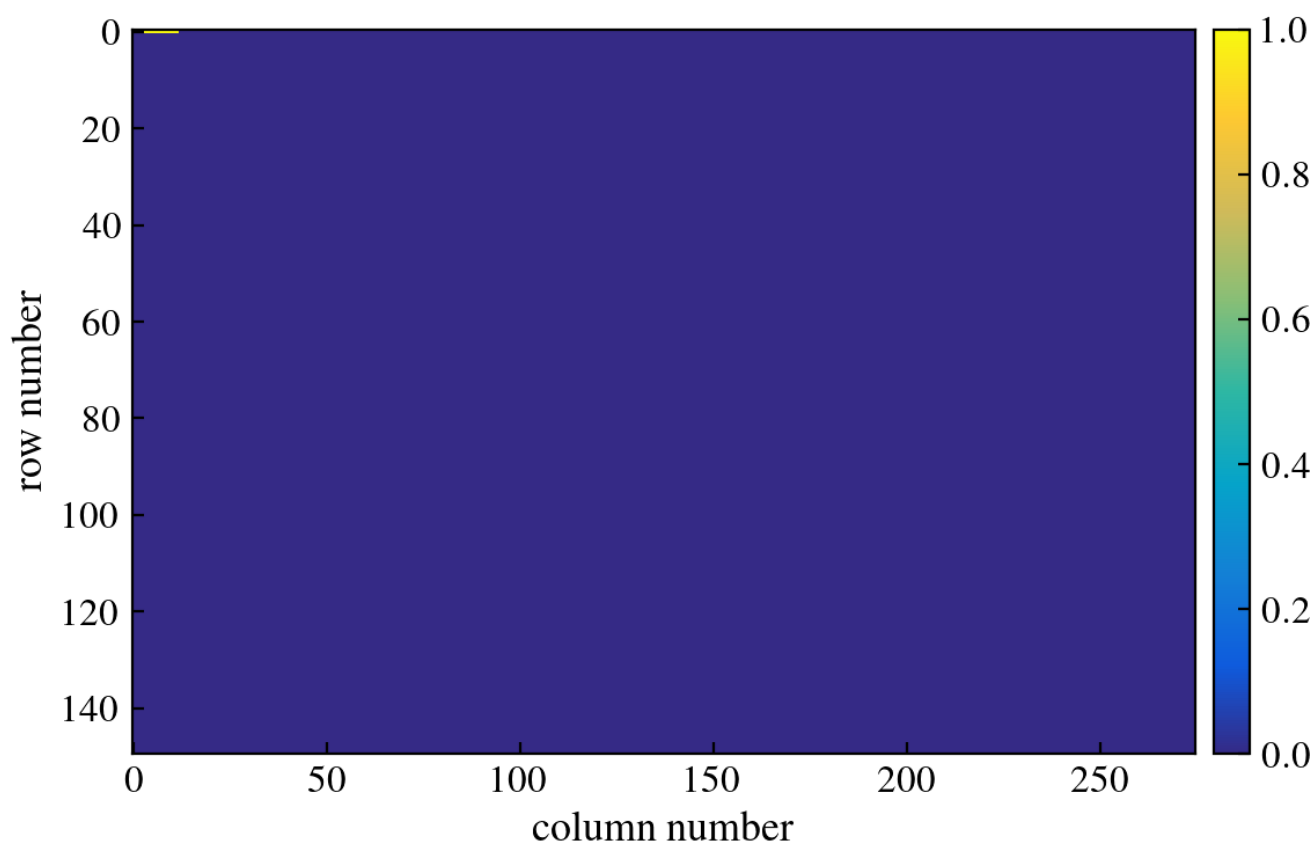


Figure 15: Masked pixels

Single Pixel Energy Distribution [w/ 5.21 ADC/e- and 3.77eV/e-]  
[class MESinglePED]

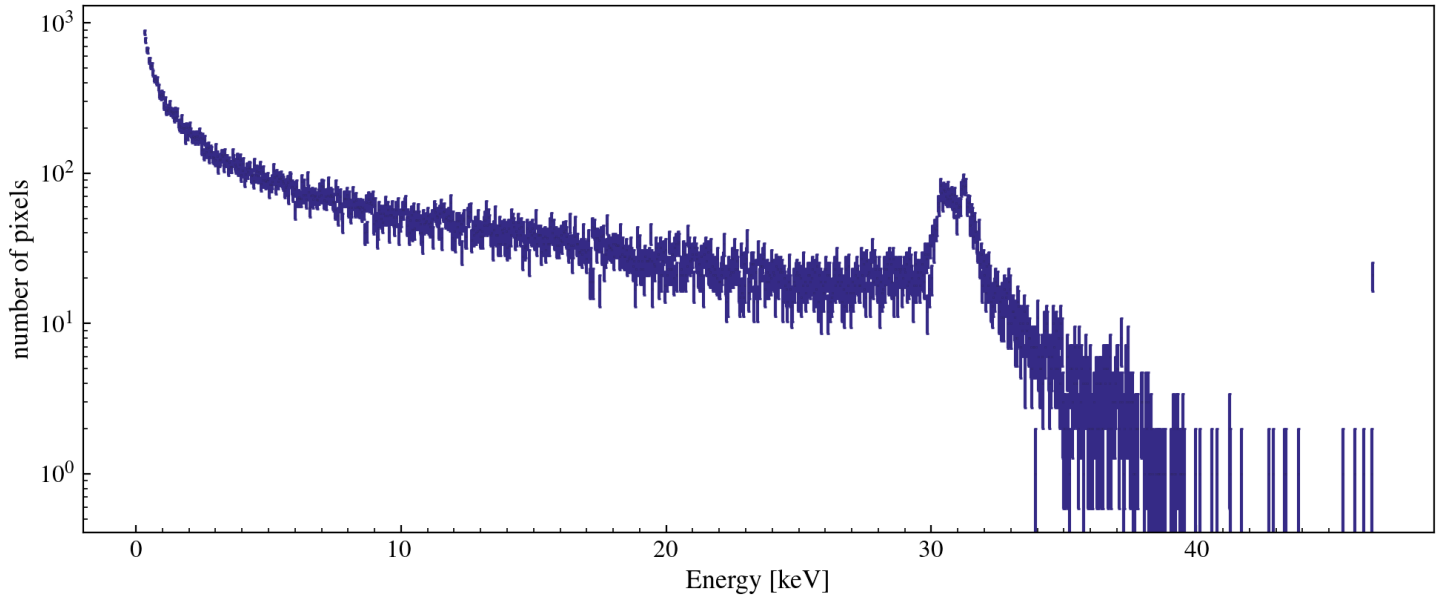


Figure 16: Number of pixels with  $E > 300.0$  eV vs file

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

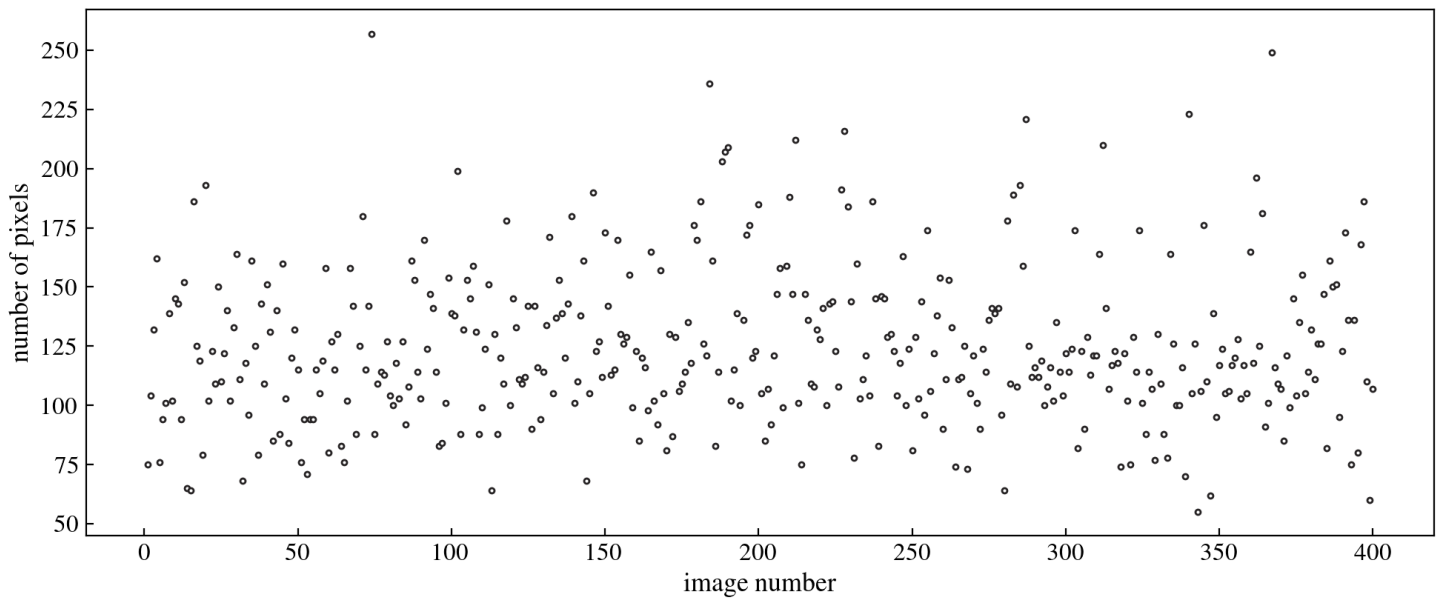


Figure 17: Number of pixels with  $E > 300.0$  eV vs file

## Pixel Charge Distribution

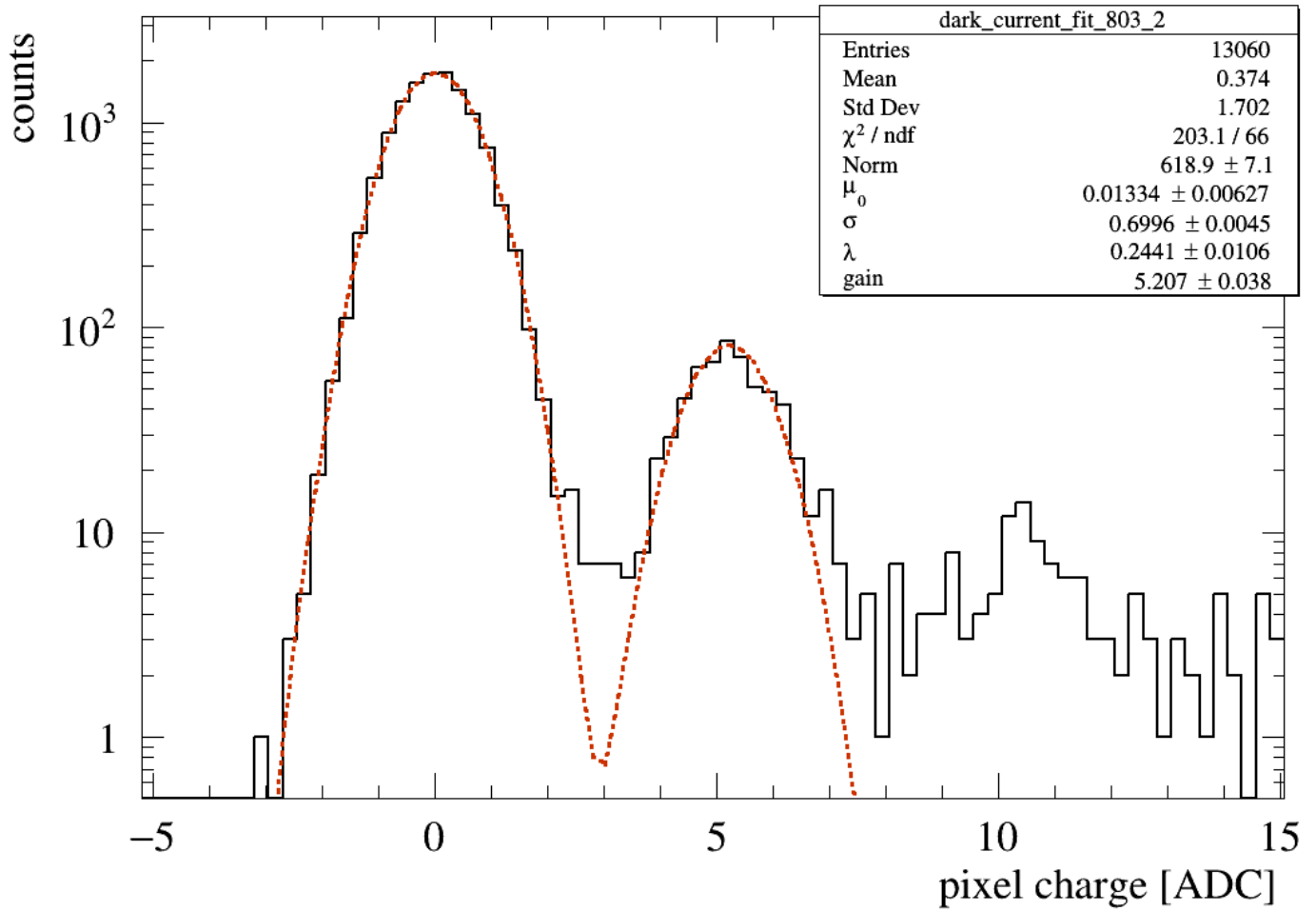


Figure 18: Pixel Charge Distribution



### Image used to Fit DC (HR image)

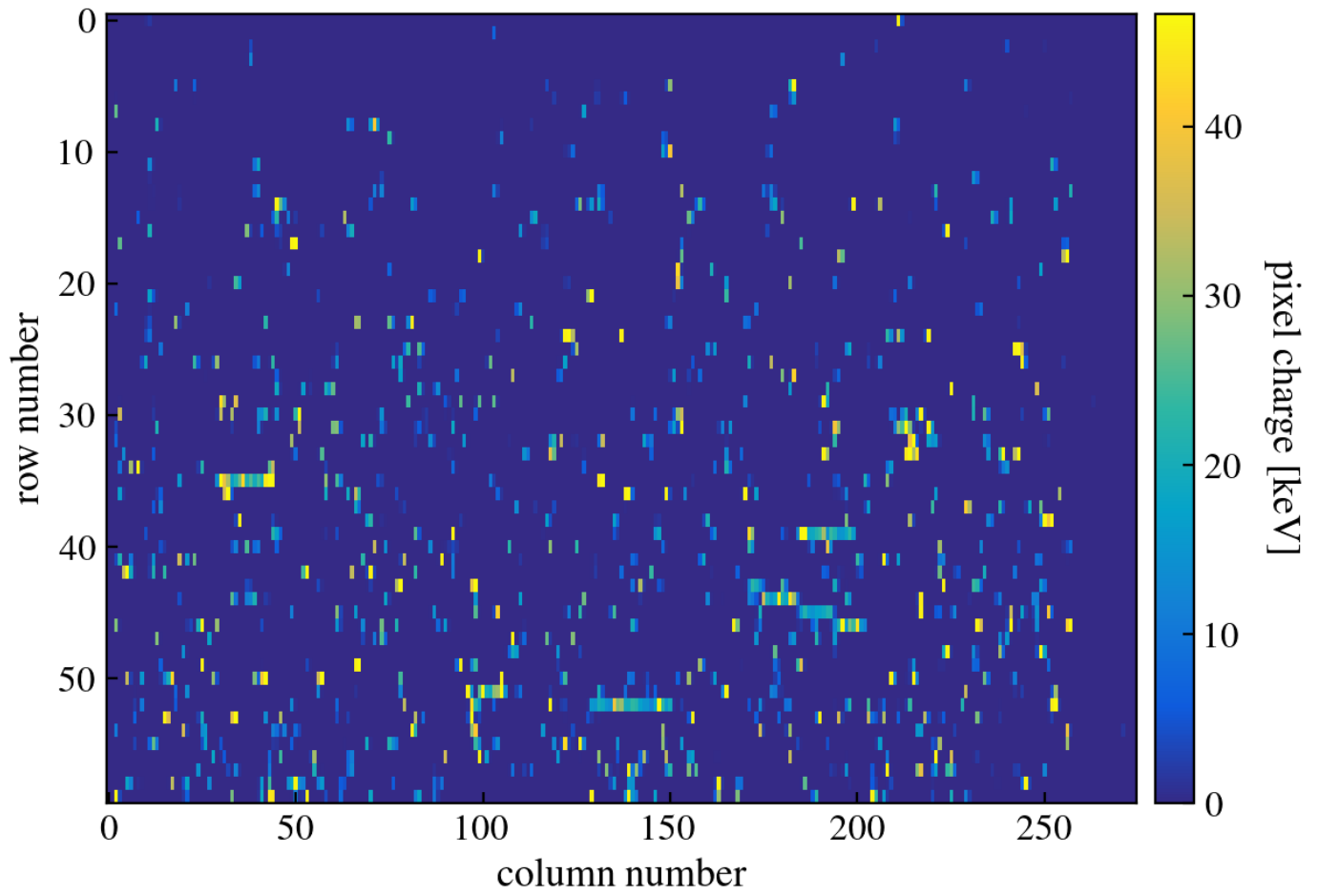


Figure 19: Pixel Charge Distribution

Zero electron peak (from MEFitDC per Row) vs row  
[class MEFitDCMu0PerRow]

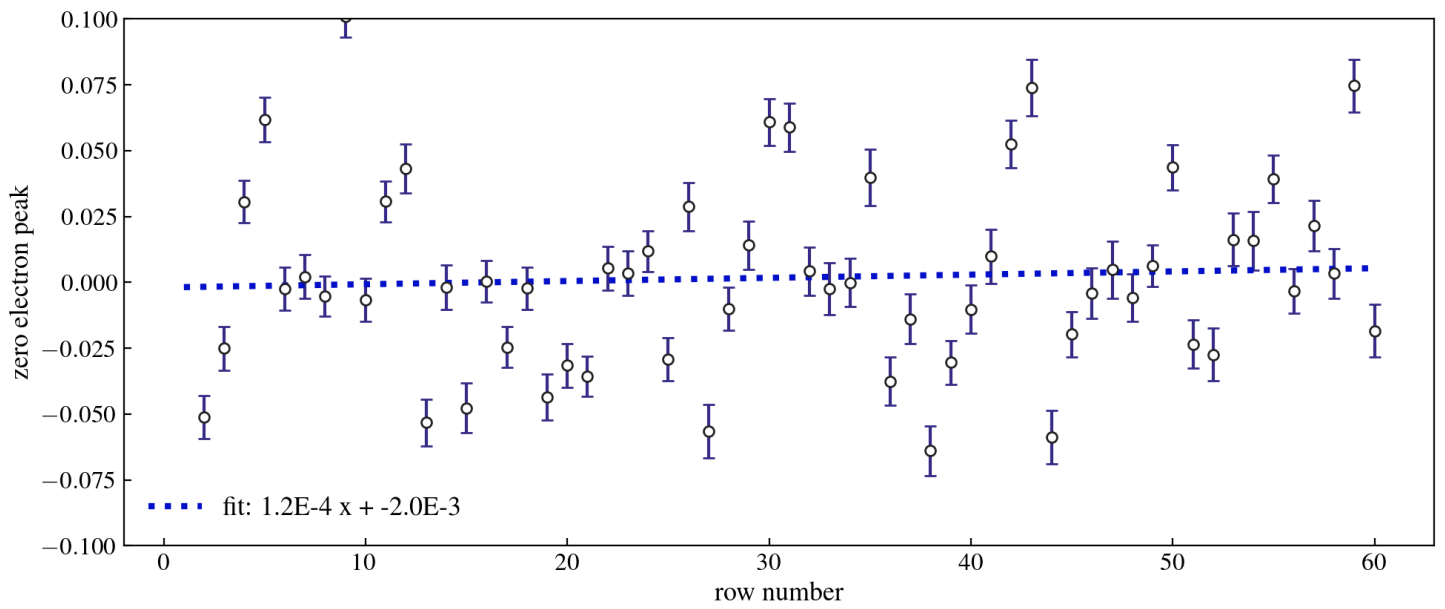


Figure 20: Zero electron peak (from MEFitDC per Row) vs row

Electron Single Resolution (from MEFitDC per Row) vs row  
[class MEFitDCSigmaPerRow]

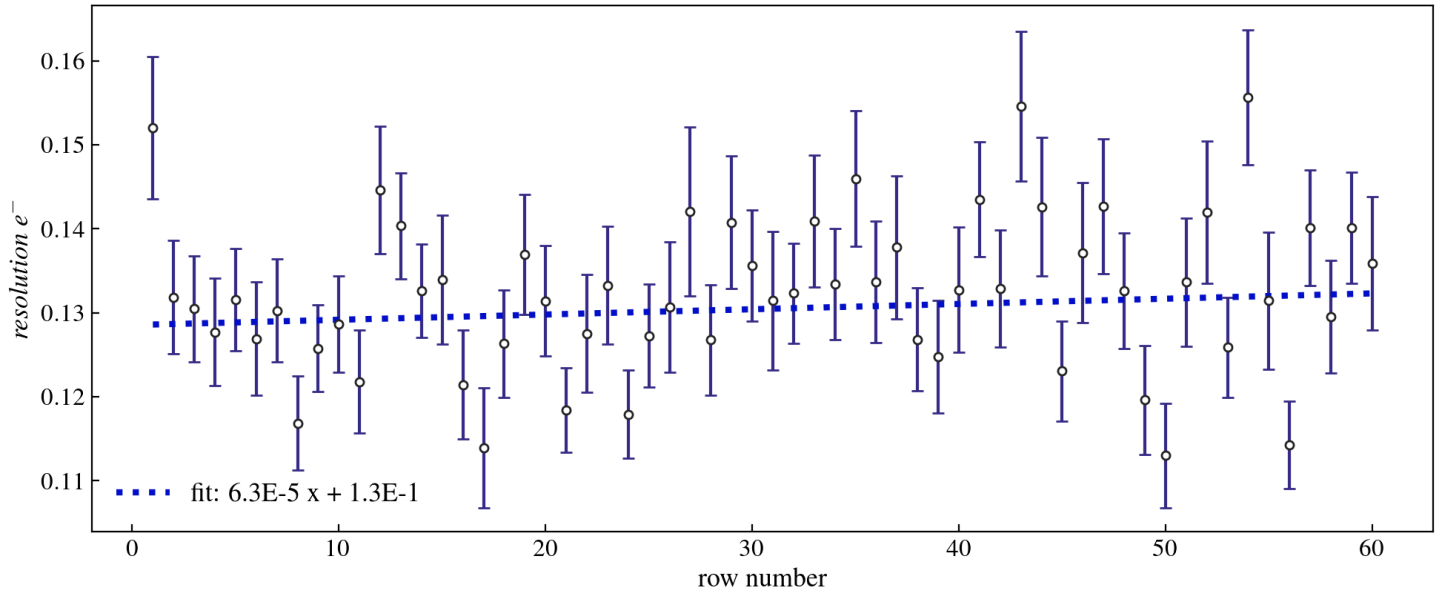


Figure 21: Electron Single Resolution (from MEFitDC per Row) vs row

Dark current (from MEFitDC per Row) vs row  
[class MEFitDCLambdaPerRow]

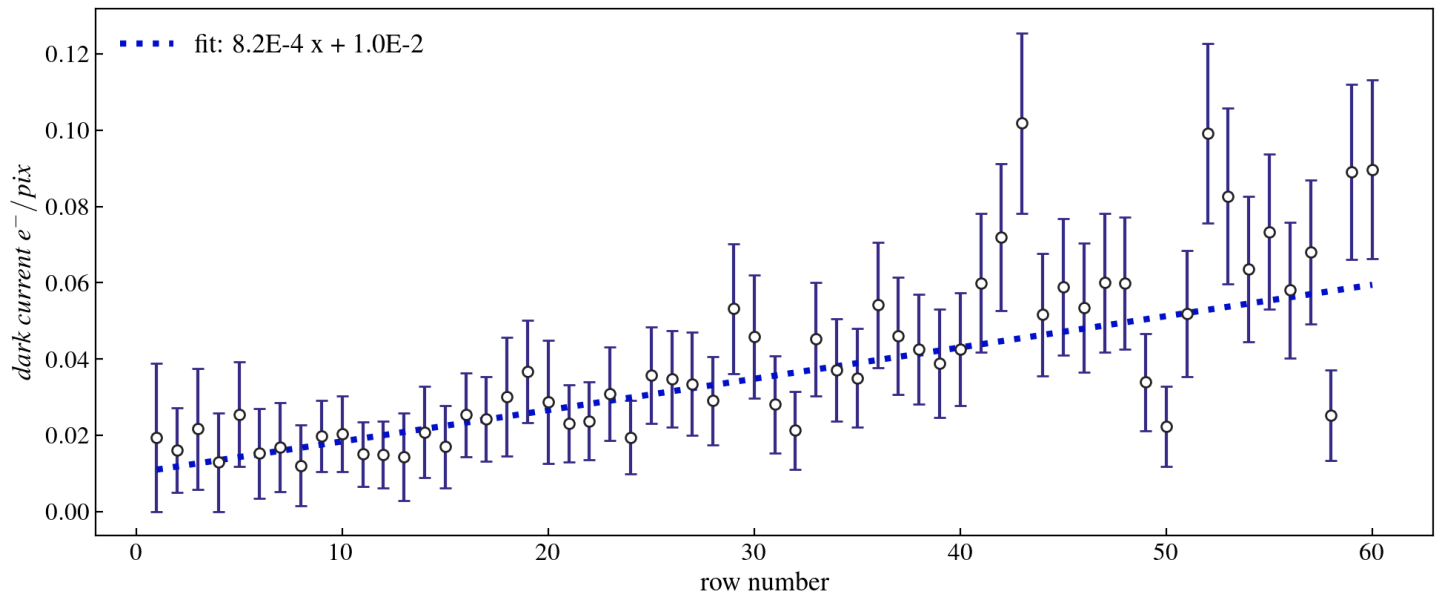


Figure 22: Dark current (from MEFitDC per Row) vs row

Zero electron peak (from MEFitDC) vs Image  
[class MEFitDCMu0]

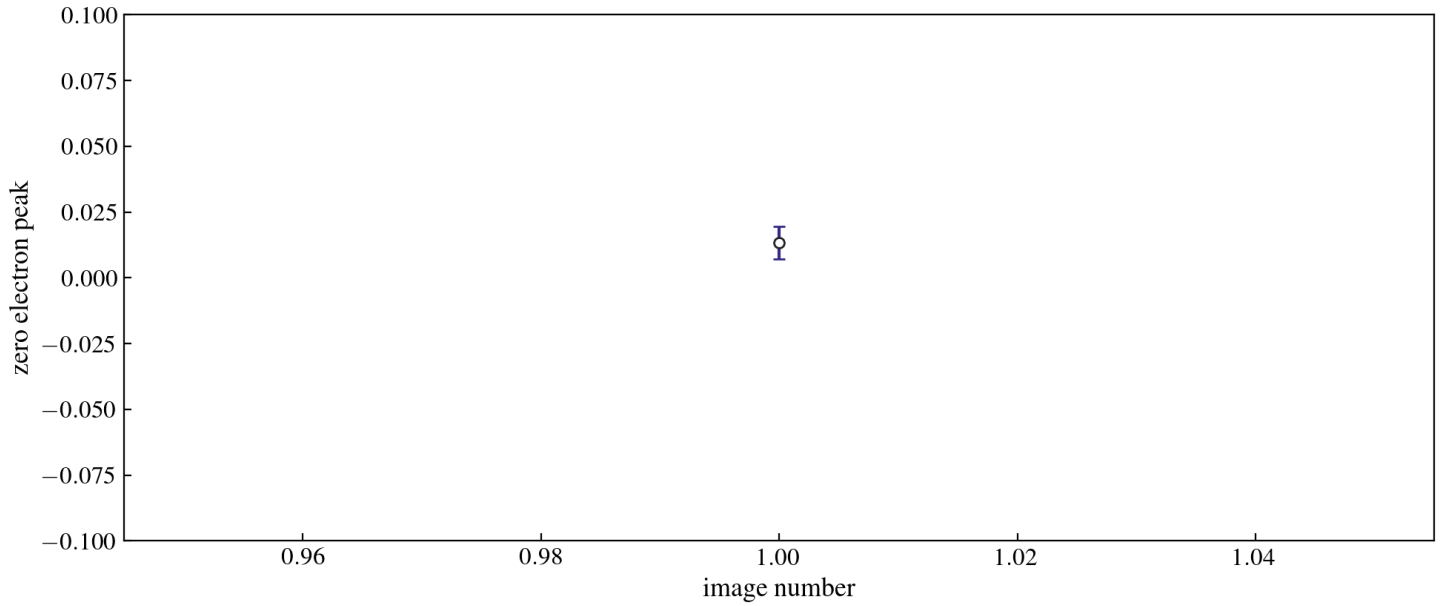


Figure 23: Zero electron peak (from MEFitDC) vs Image

Electron Single Resolution (from MEFitDC) vs Image  
[class MEFitDCSigma]

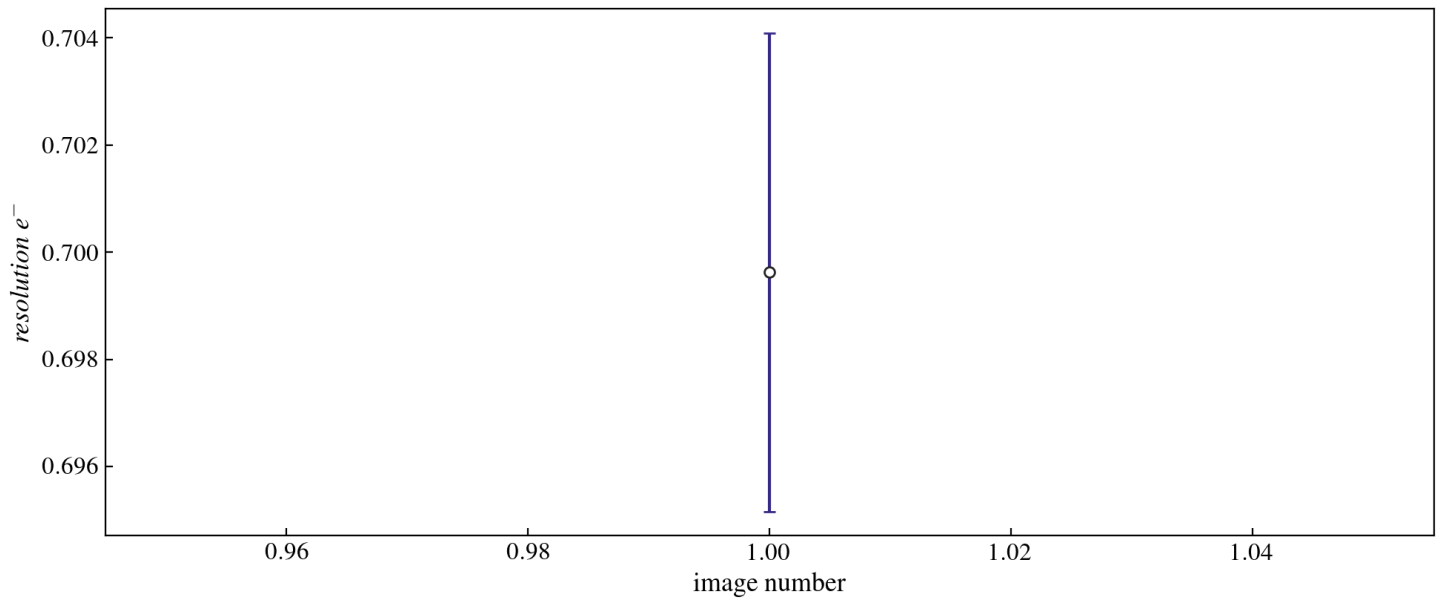


Figure 24: Electron Single Resolution (from MEFitDC) vs Image

Dark current (from MEFitDC per Row) vs Image  
[class MEFitDCLambda]

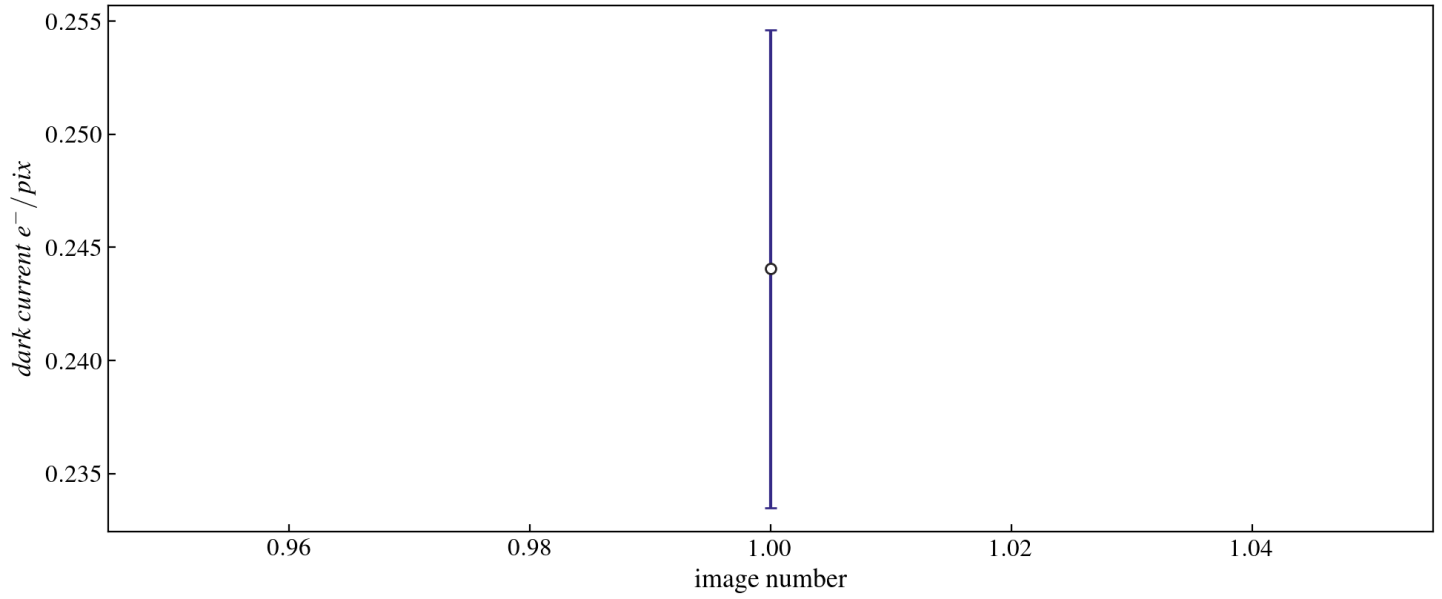


Figure 25: Dark current (from MEFitDC per Row) vs Image

Calibration constant (from MEFitDC) vs Image  
[class MEFitDCCalibration]

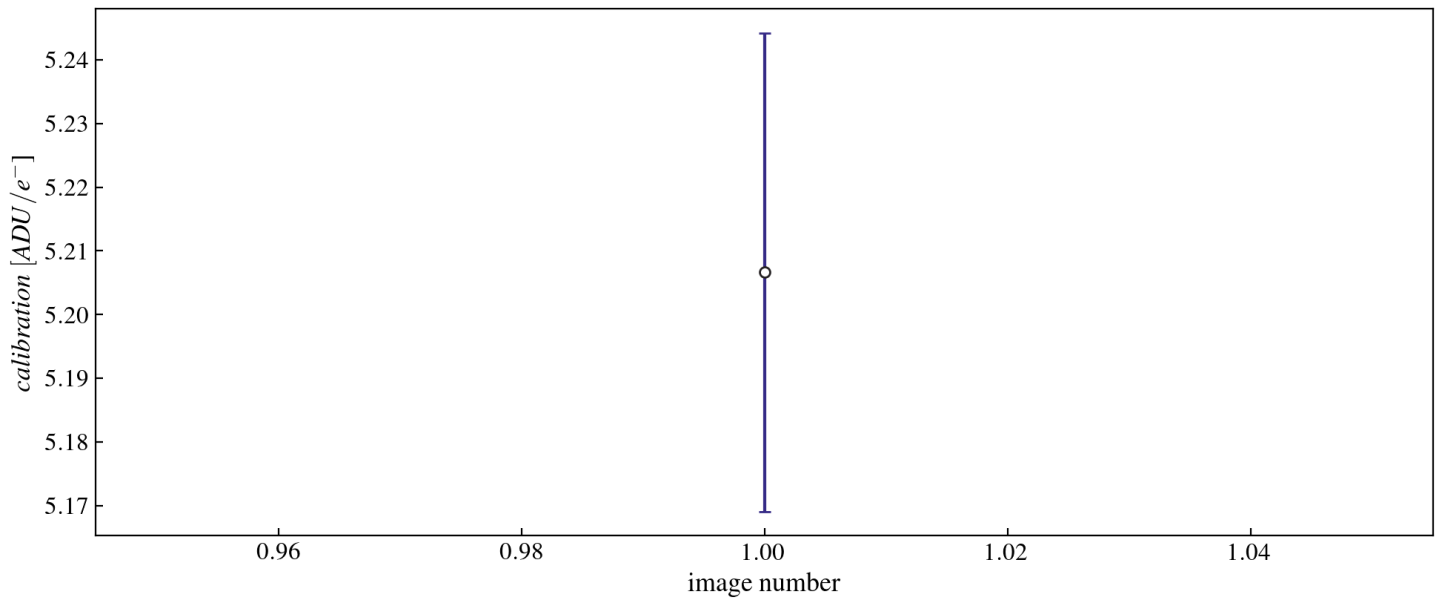


Figure 26: Calibration constant (from MEFitDC) vs Image

Overscan. PCD Gaussian fit:  $\mu_0$   
[class MEOverscanPCDMu]

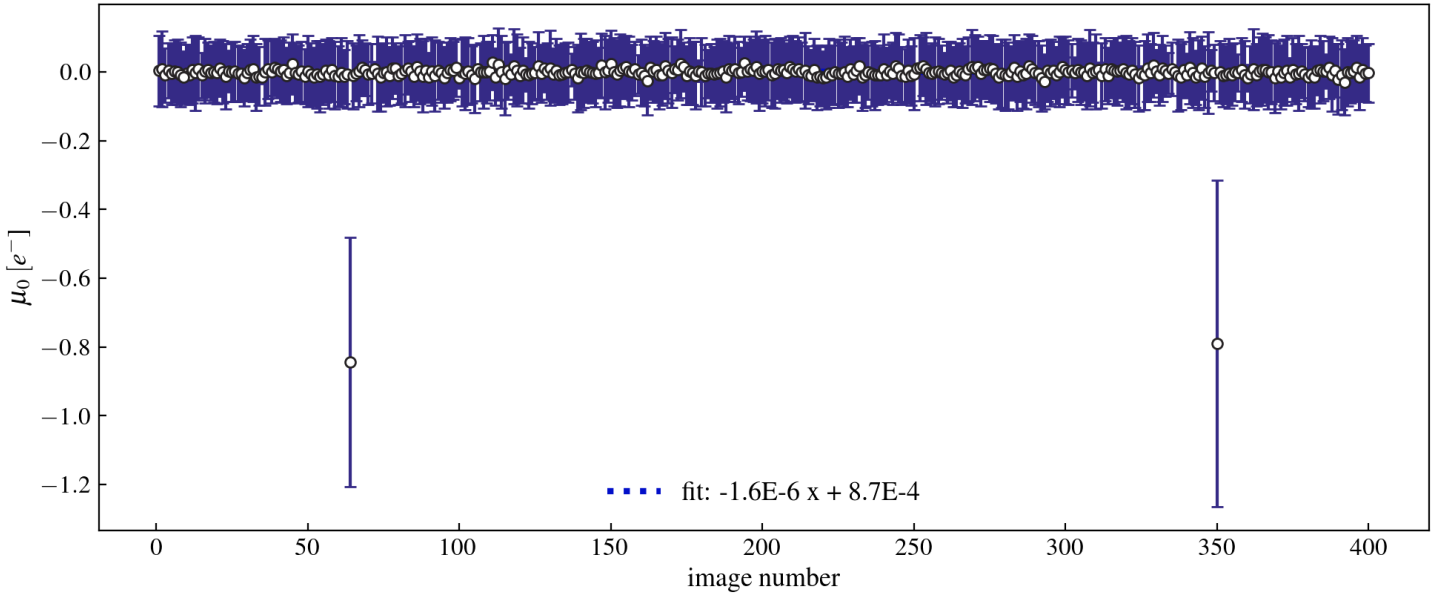


Figure 27: Overscan. PCD Gaussian fit:  $\mu_0$

Overscan. PCD Gaussian fit:  $\sigma_0$   
[class MEOverscanPCDSigma]

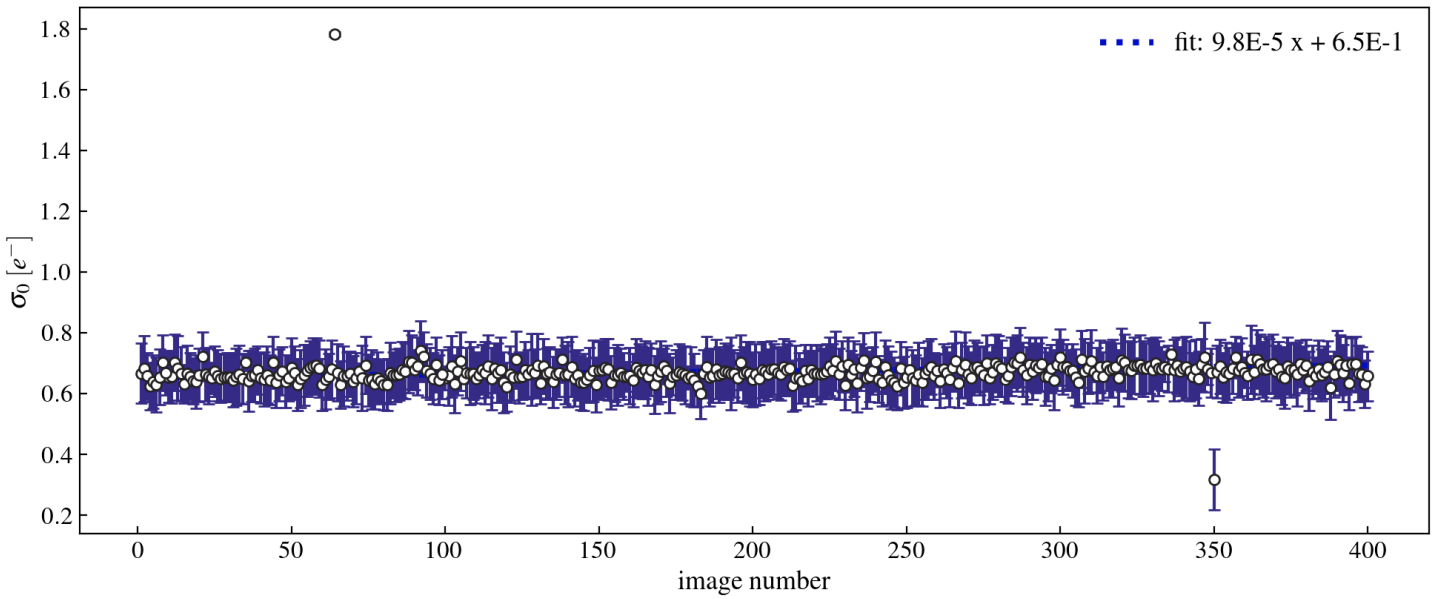


Figure 28: Overscan. PCD Gaussian fit:  $\sigma_0$

Electronic column transient showing an exponential behaviour  
[class MEColTransient]

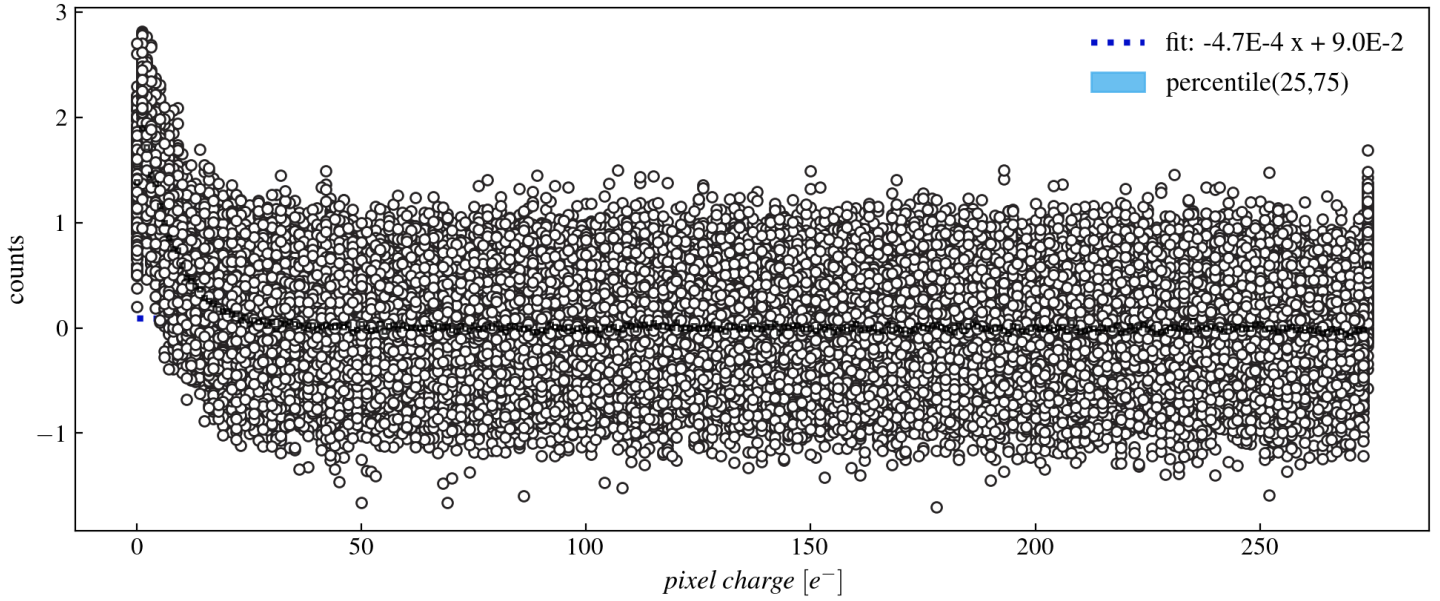


Figure 29: Electronic column transient showing an exponential behaviour

Column transient decay constant (from MEColTransient) vs Image  
[class MEColTransientMu]

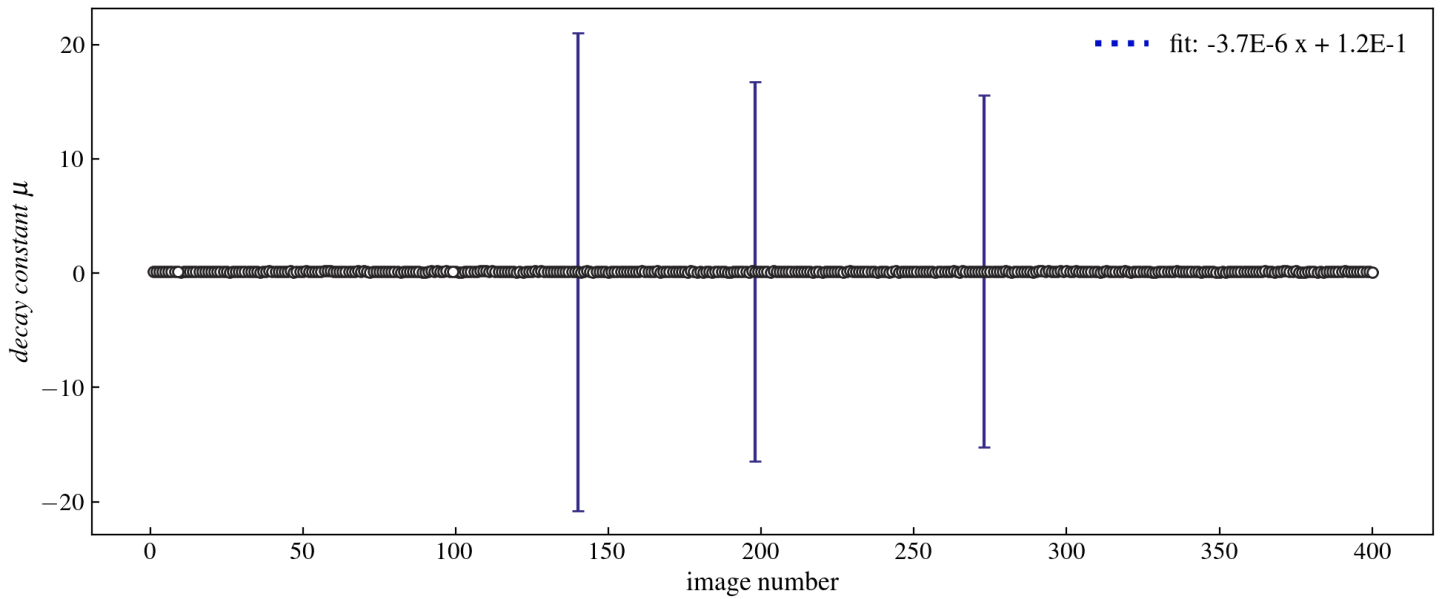


Figure 30: Column transient decay constant (from MEColTransient) vs Image

Column transient amplitude (from MEColTransient) vs Image  
[class MEColTransientAmplitude]

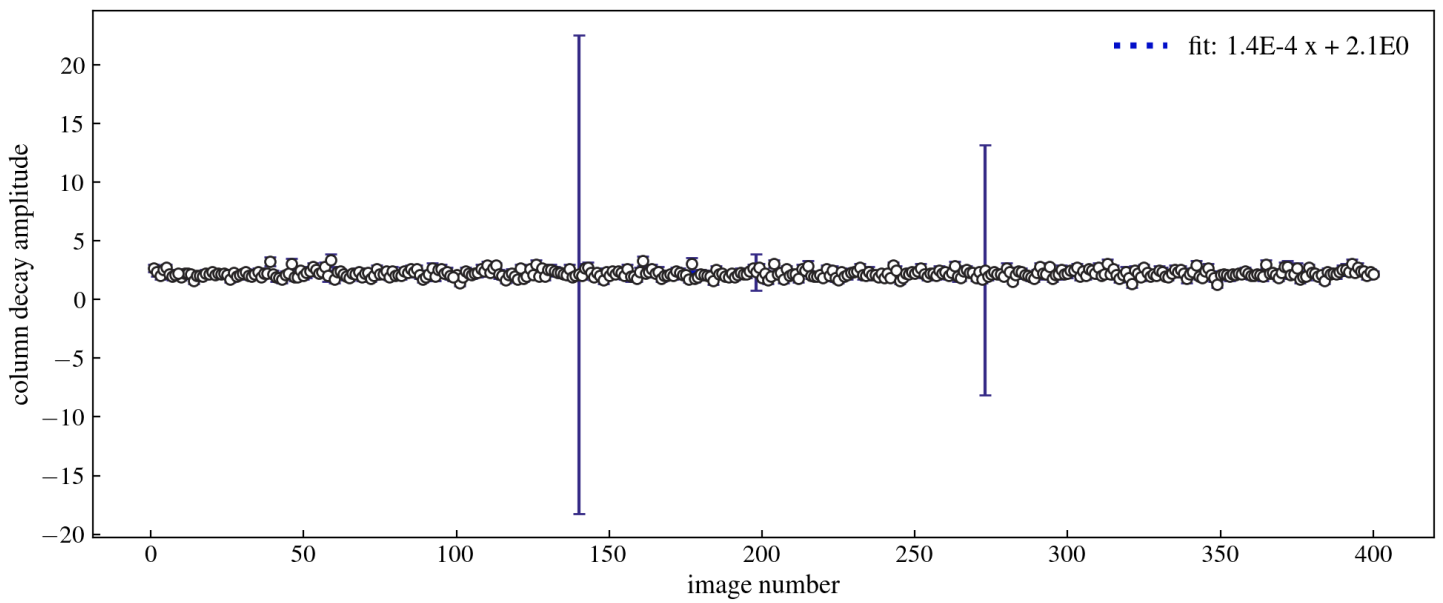


Figure 31: Column transient amplitude (from MEColTransient) vs Image



CCD Image: run 454, image 1  
[class MECCDImage]

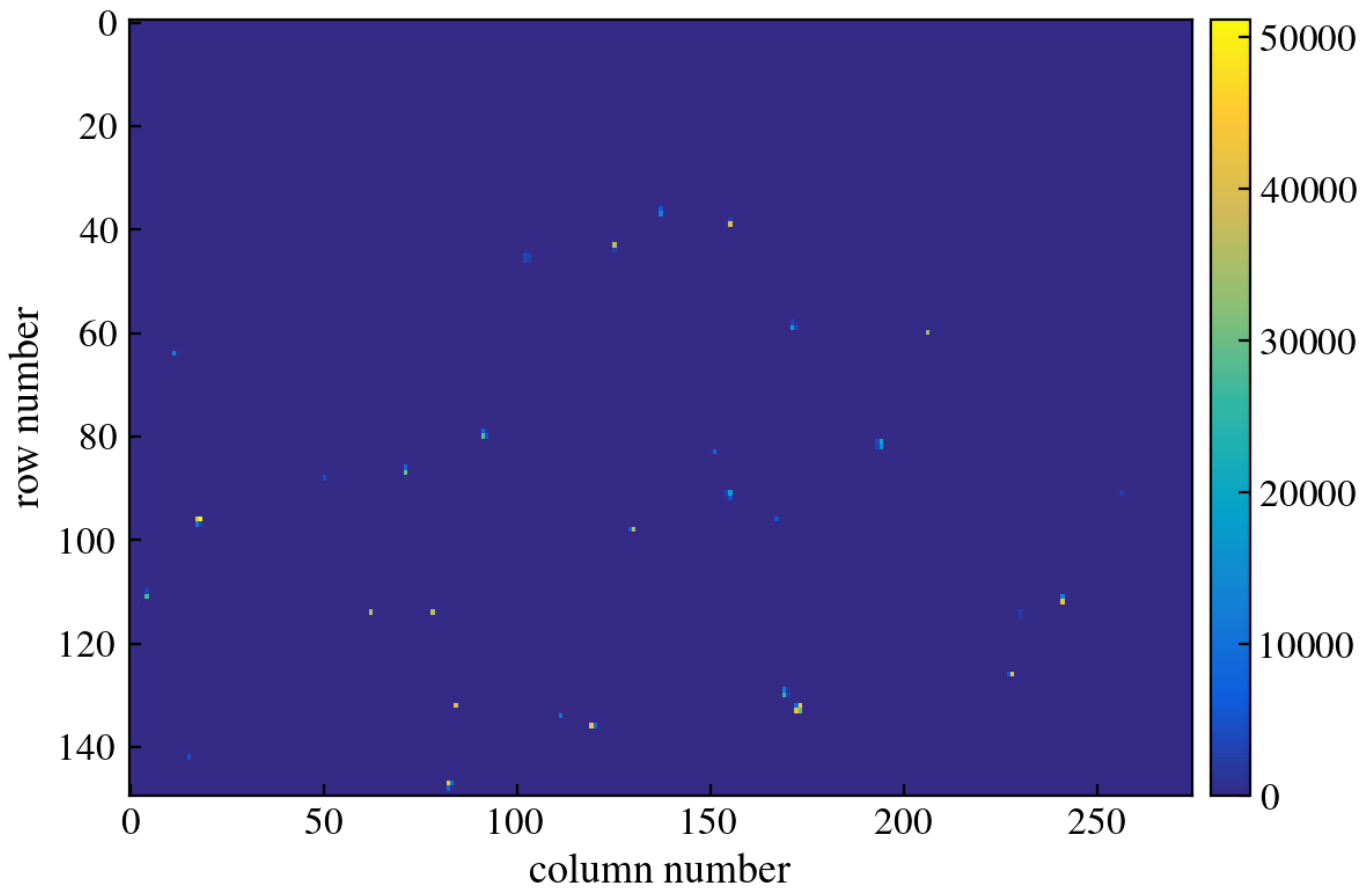


Figure 32: CCD Image

CCD Image: run 454, image 1  
[class MECCDImage]

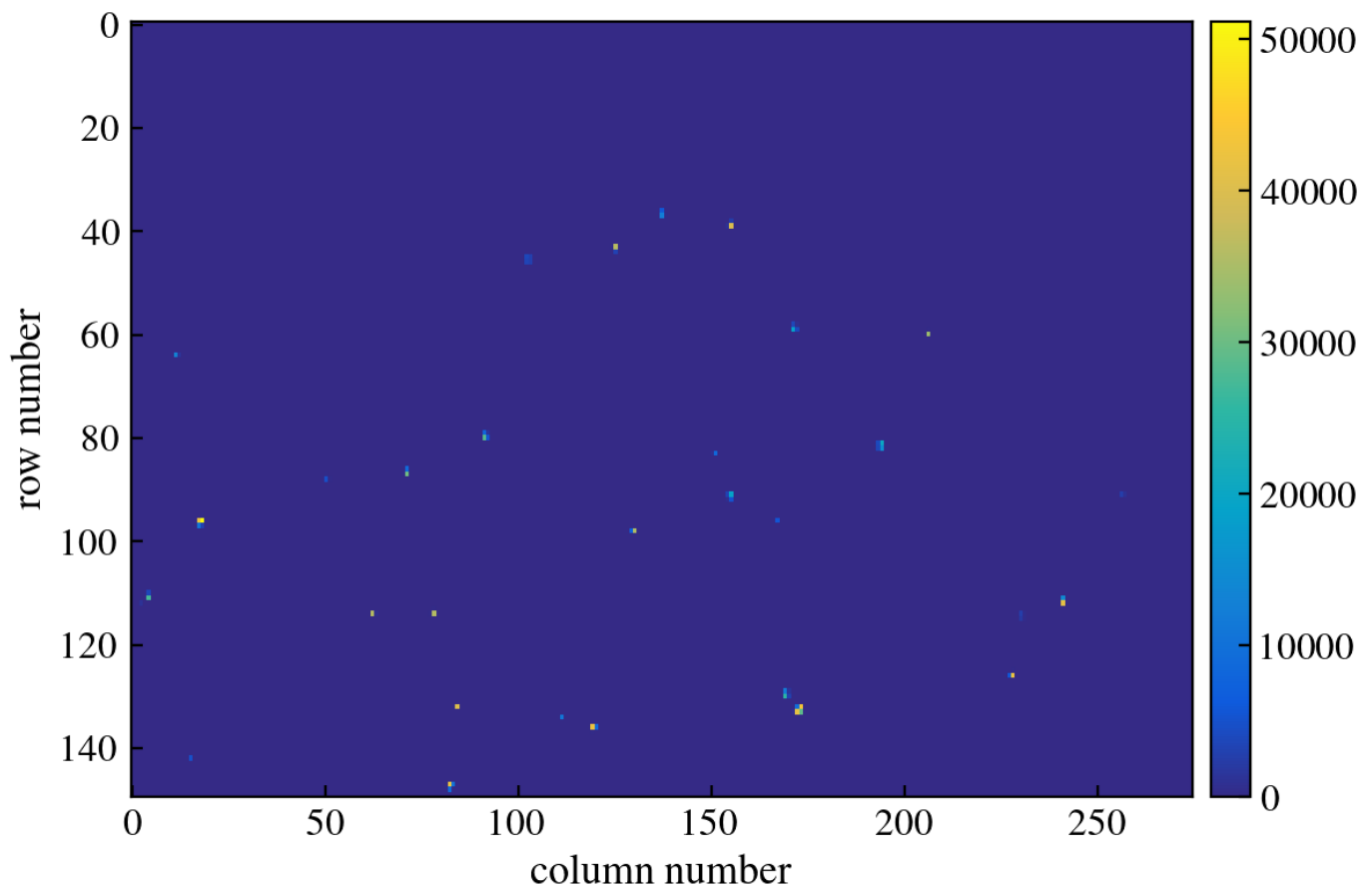


Figure 33: CCD Image

CCD Image: run 454, image 10  
[class MECCDImage]

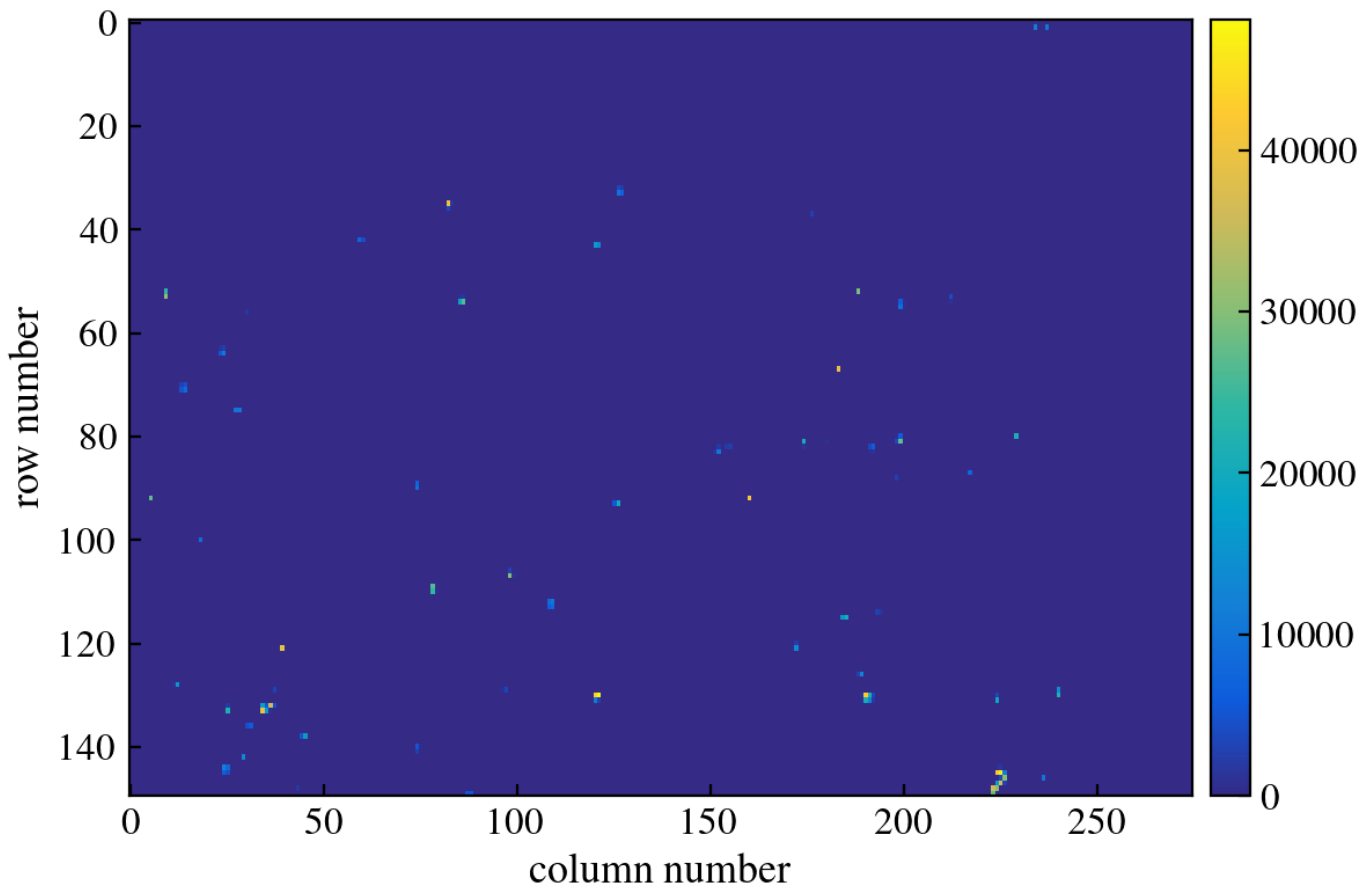


Figure 34: CCD Image

CCD Image: run 454, image 100  
[class MECCDImage]

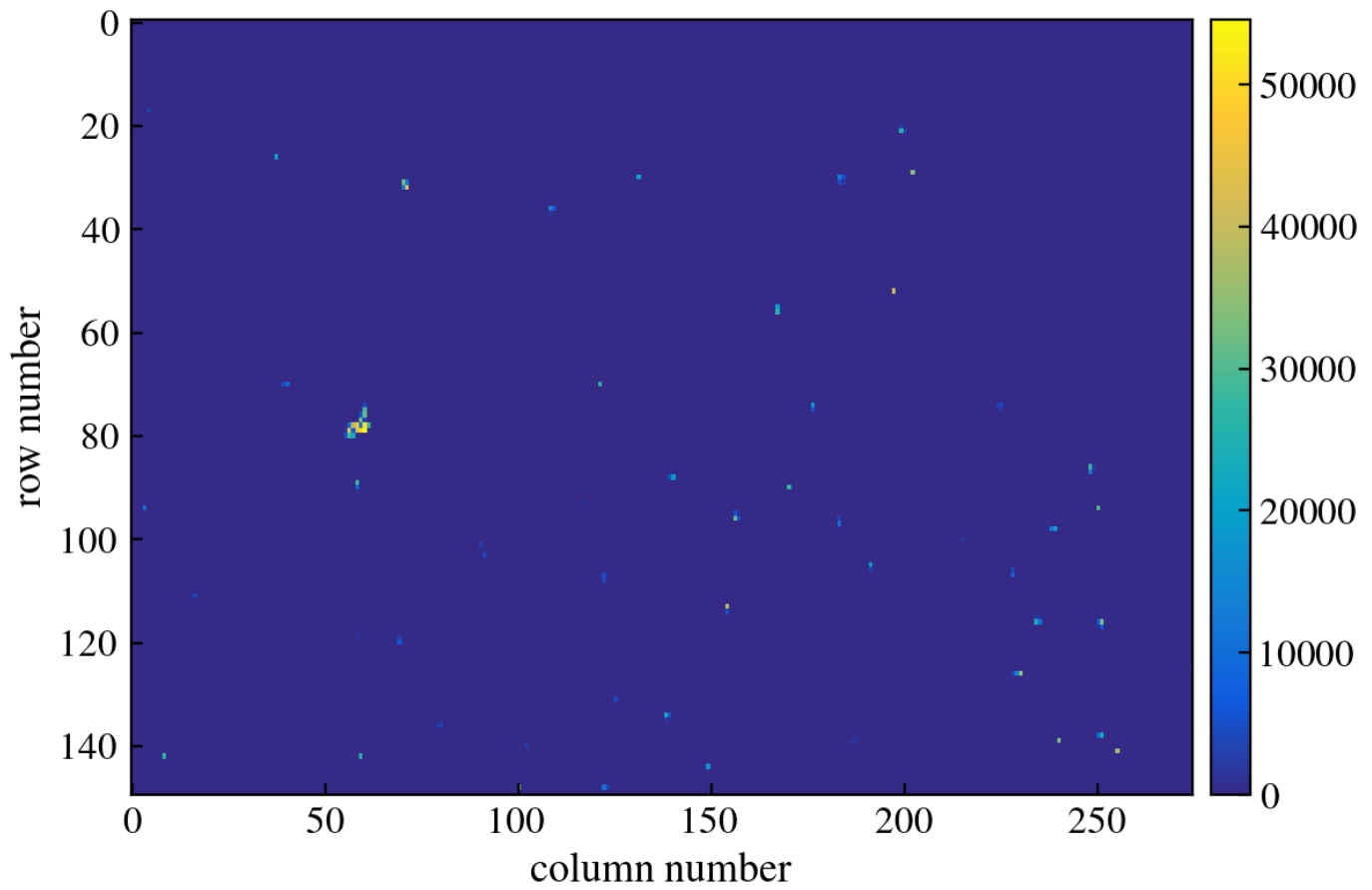


Figure 35: CCD Image

CCD Image: run 454, image 101  
[class MECCDImage]

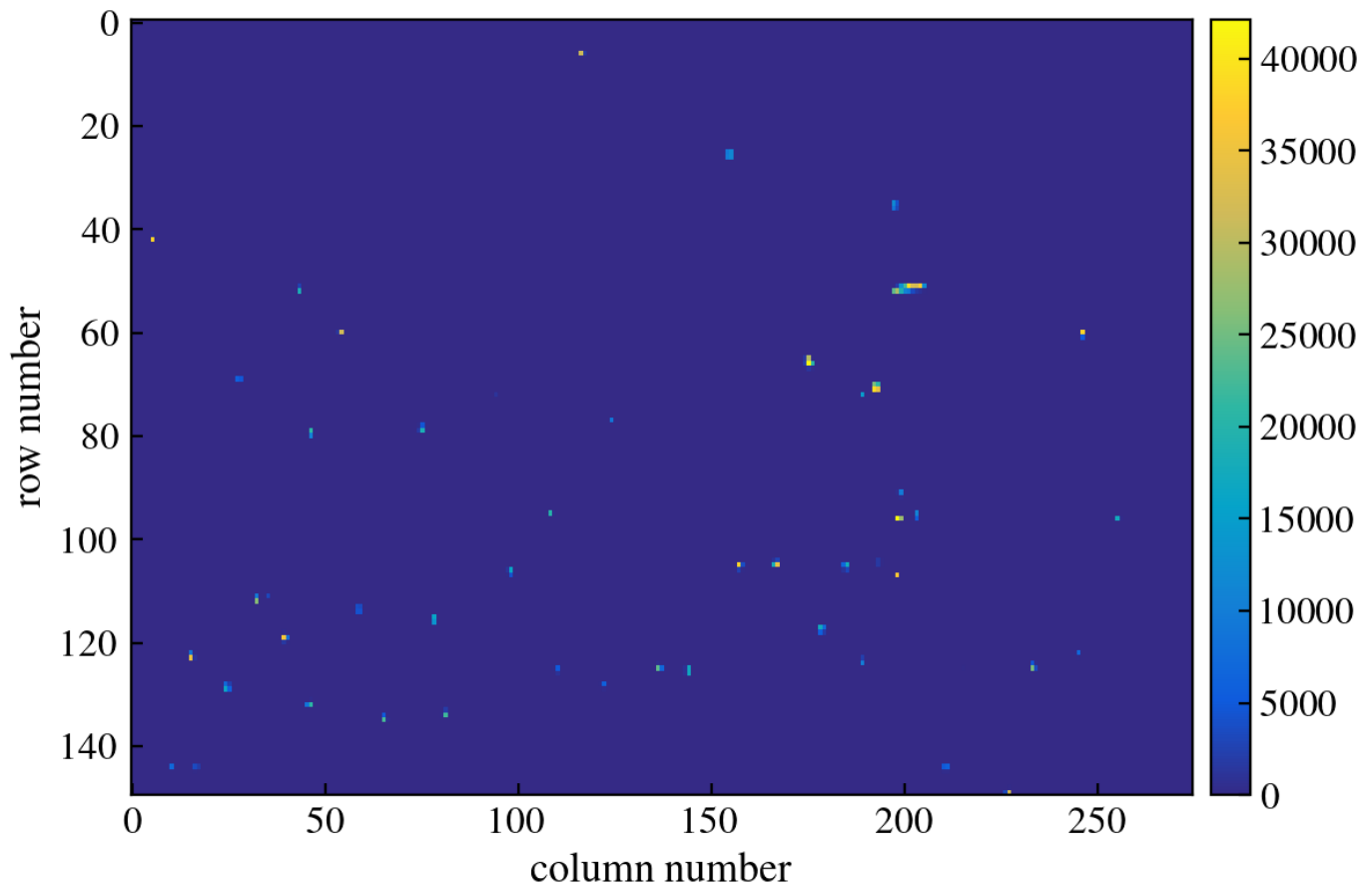


Figure 36: CCD Image

CCD Image: run 454, image 102  
[class MECCDImage]

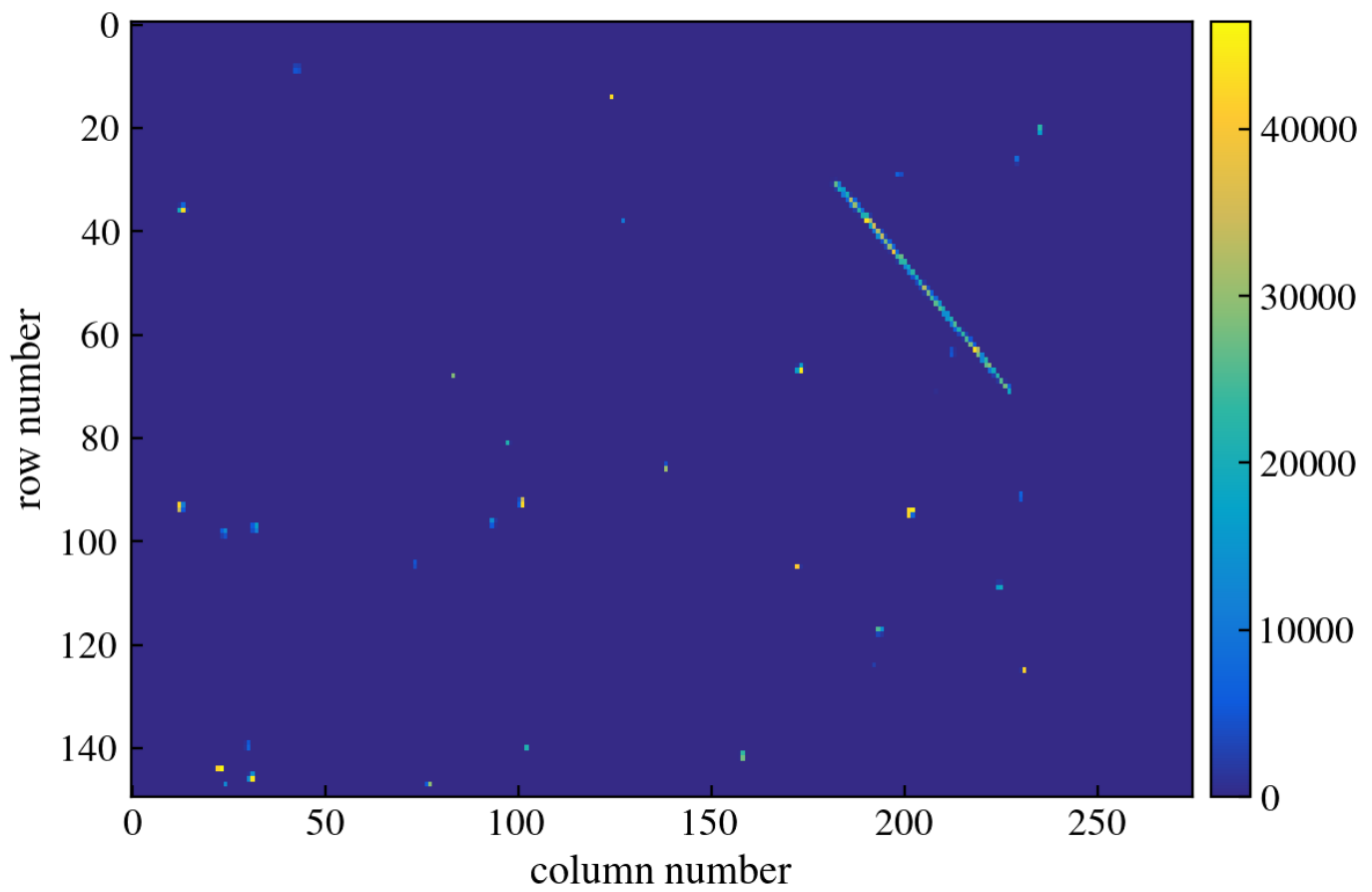


Figure 37: CCD Image

CCD Image: run 454, image 103  
[class MECCDImage]

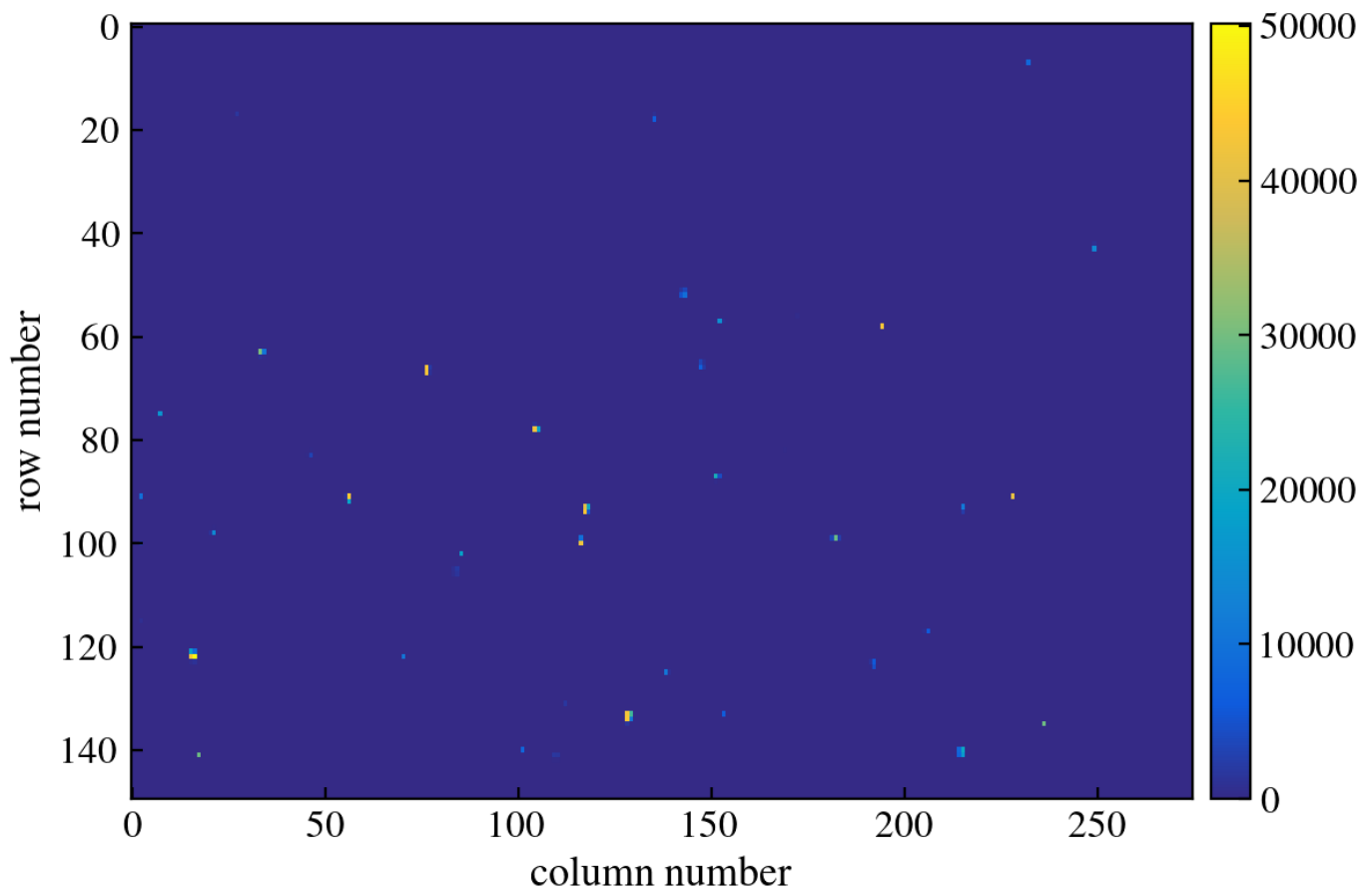


Figure 38: CCD Image

CCD Image: run 454, image 104  
[class MECCDImage]

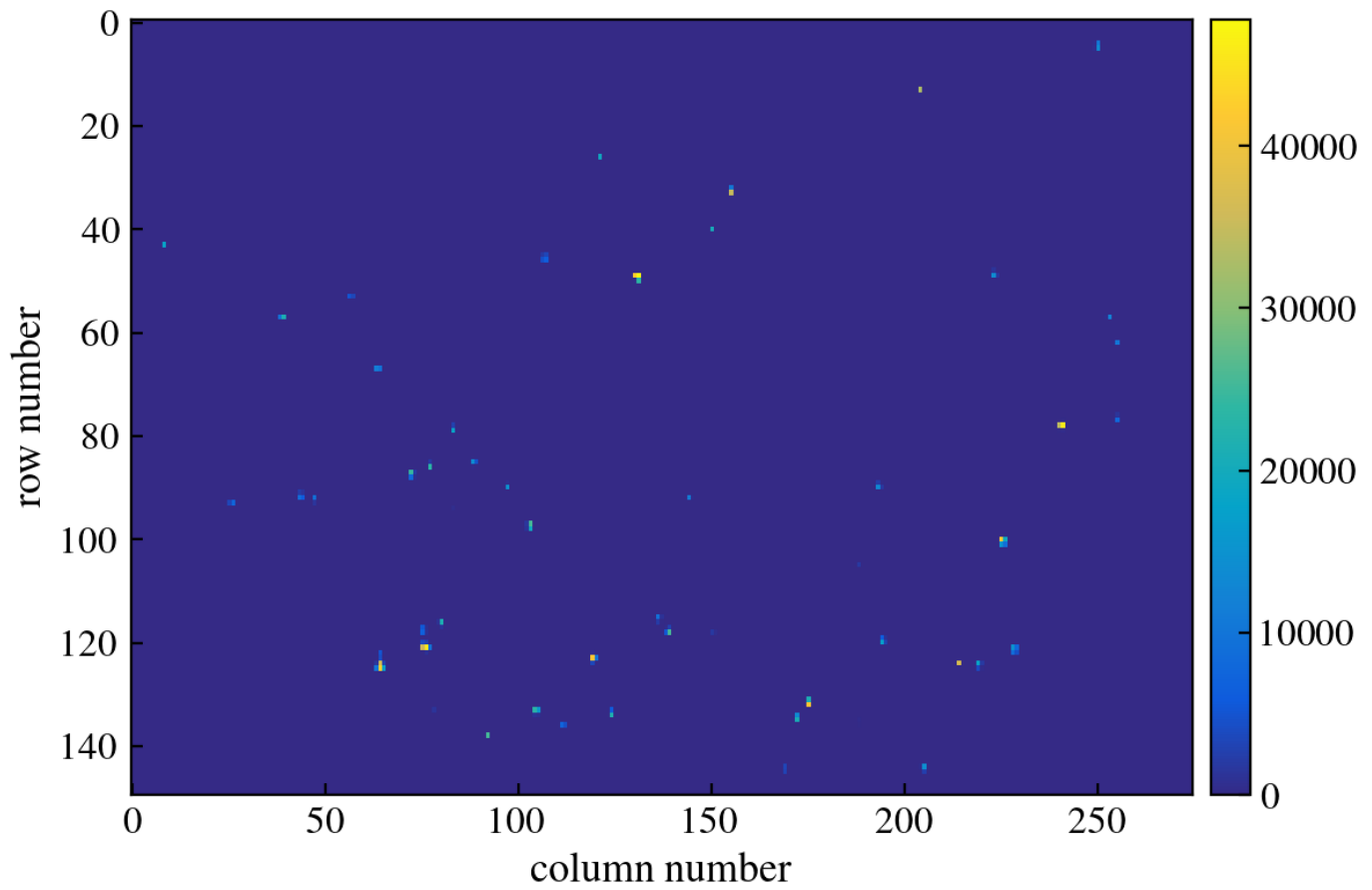


Figure 39: CCD Image



CCD Image: run 454, image 105  
[class MECCDImage]

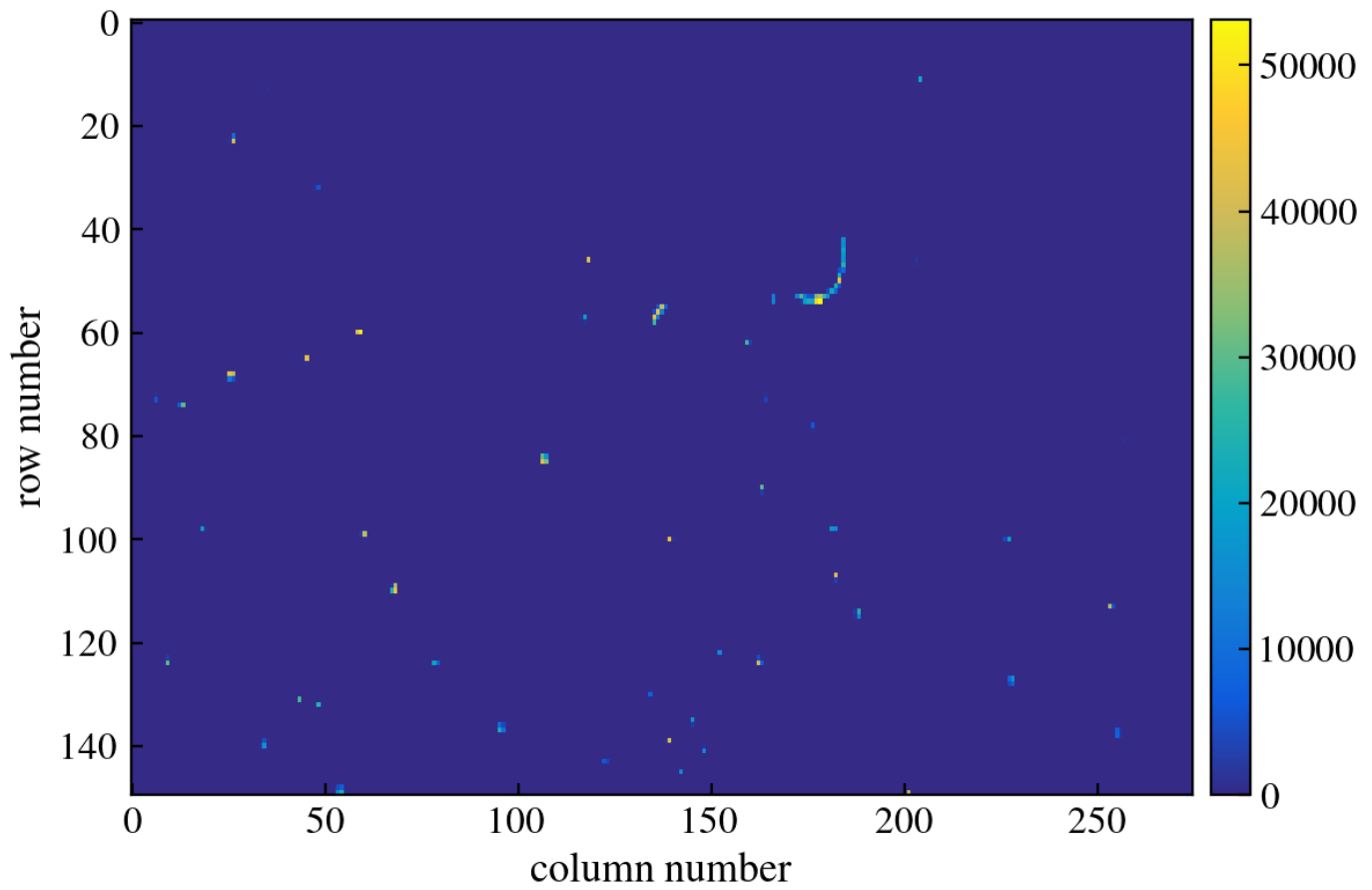


Figure 40: CCD Image

CCD Image: run 454, image 106  
[class MECCDImage]

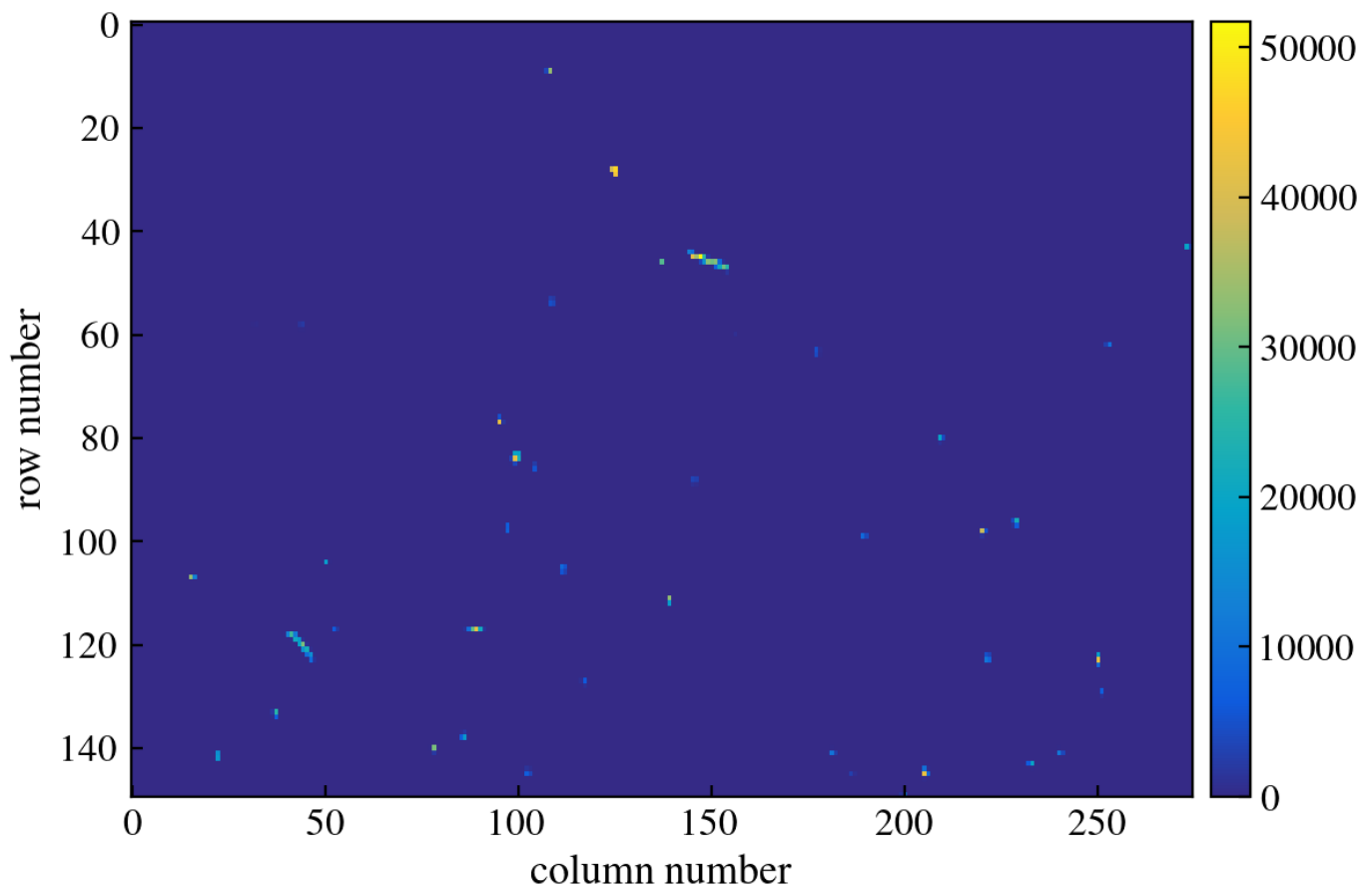


Figure 41: CCD Image

CCD Image: run 454, image 107  
[class MECCDImage]

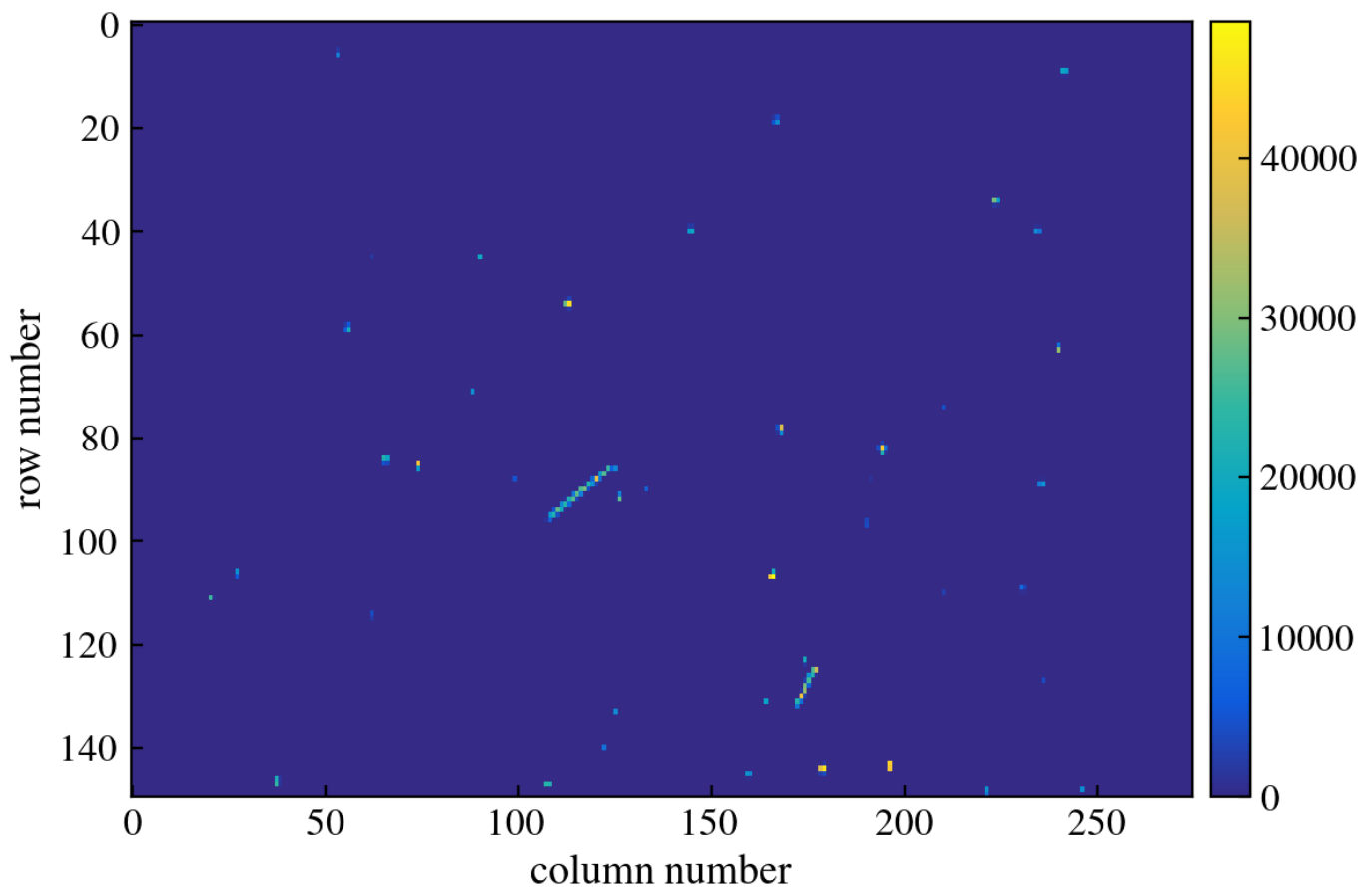


Figure 42: CCD Image

CCD Image: run 454, image 108  
[class MECCDImage]

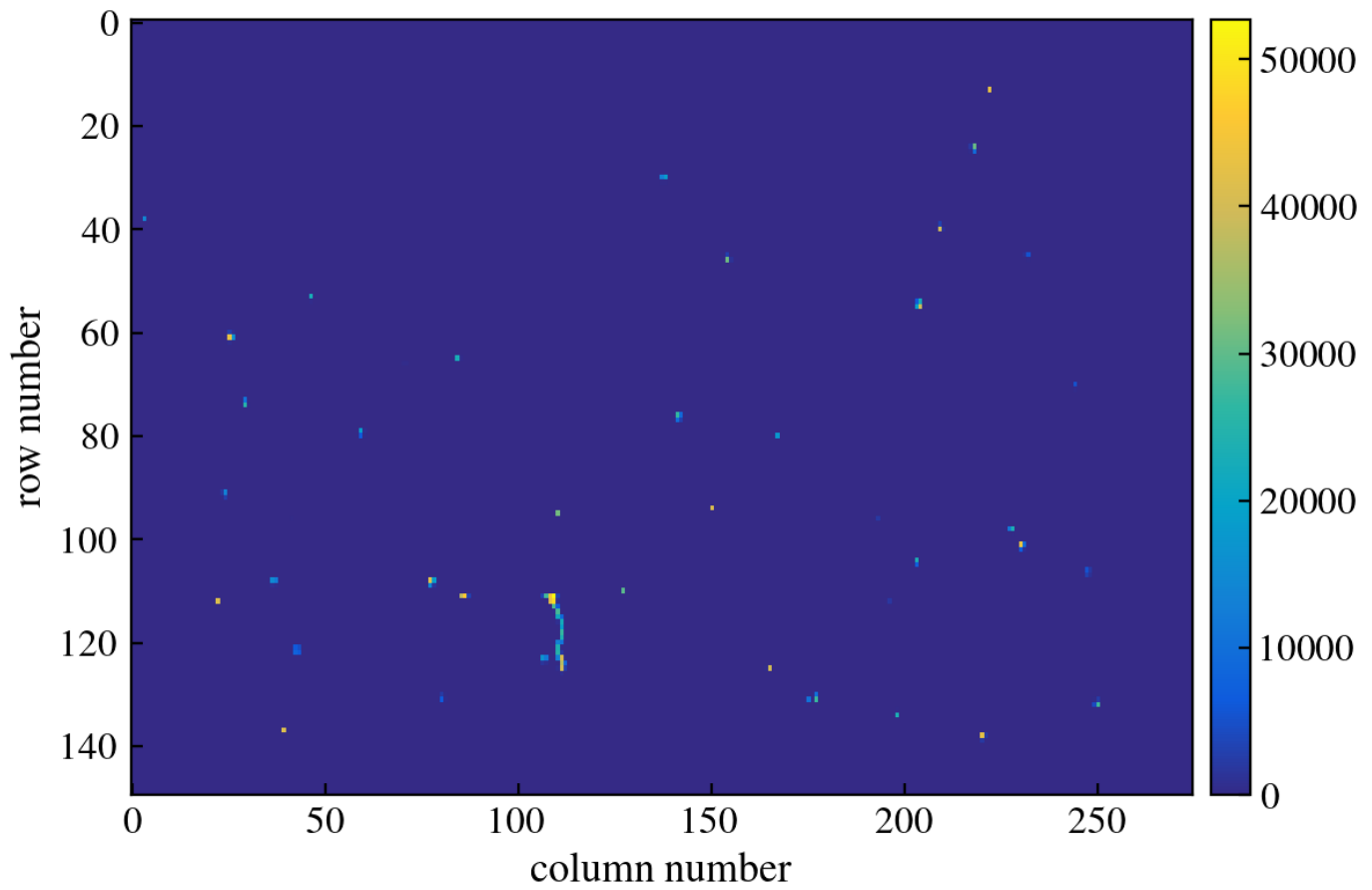


Figure 43: CCD Image

CCD Image: run 454, image 109  
[class MECCDImage]

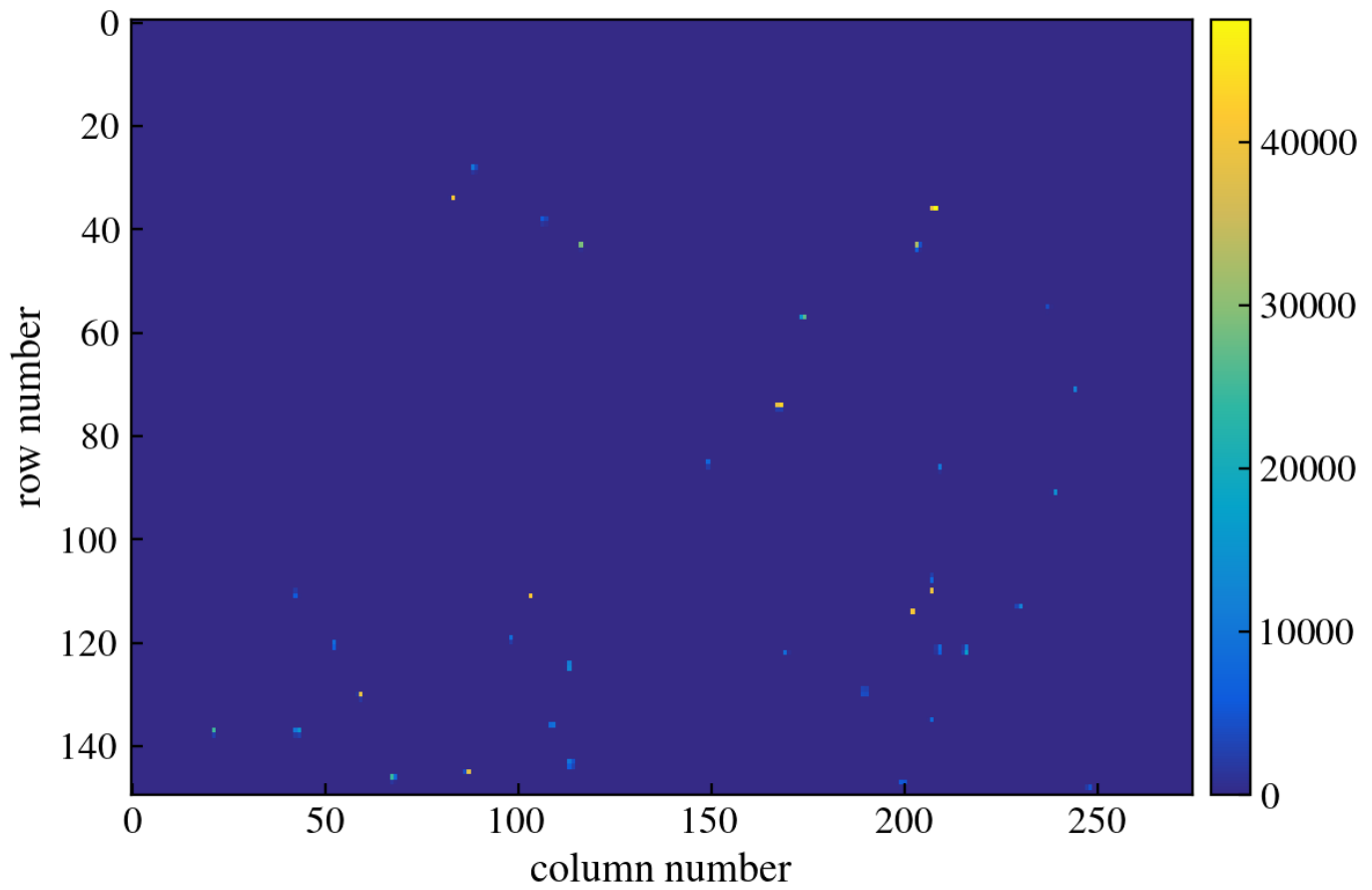


Figure 44: CCD Image

CCD Image: run 454, image 11  
[class MECCDImage]

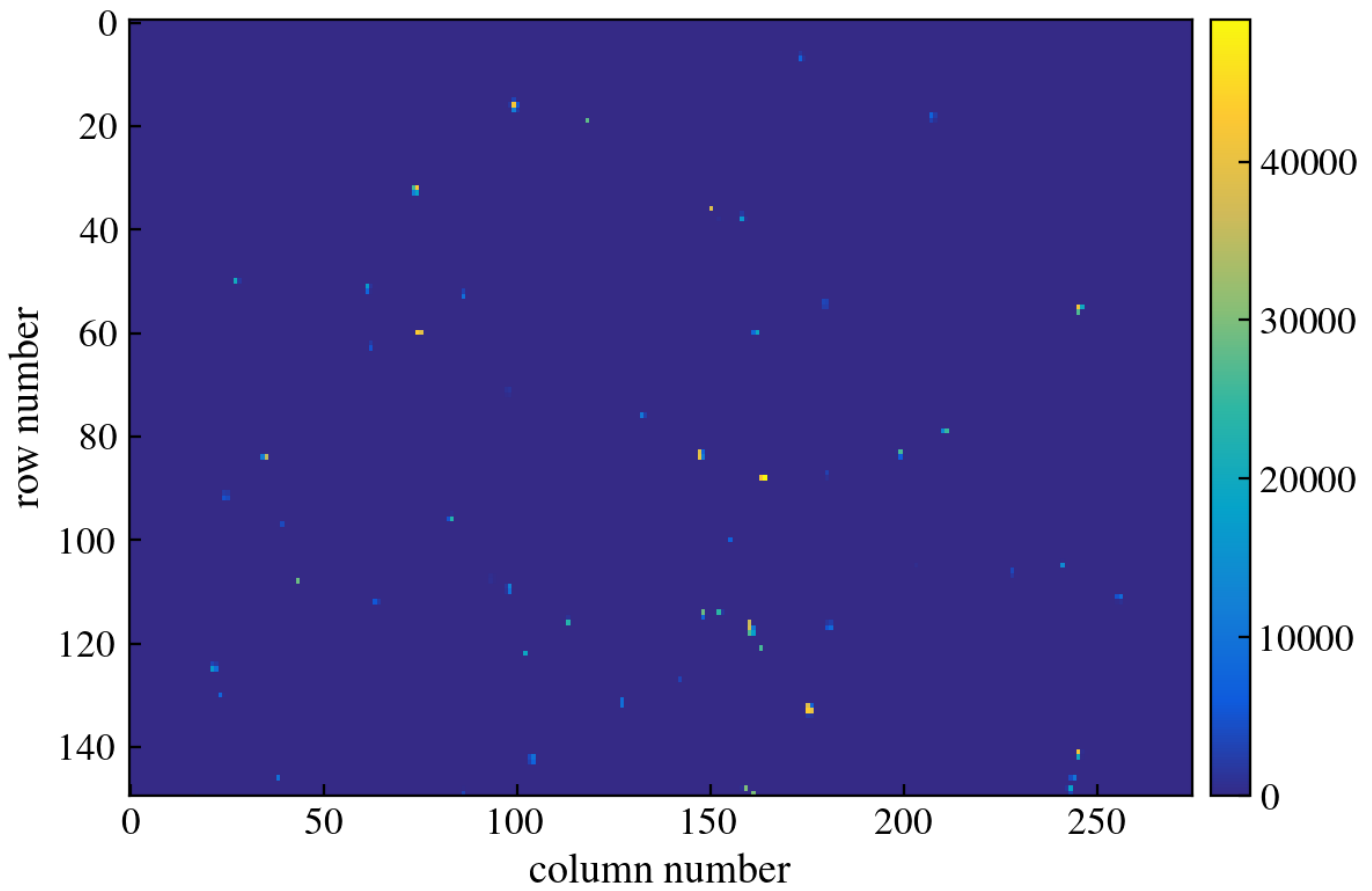


Figure 45: CCD Image

CCD Image: run 454, image 110  
[class MECCDImage]

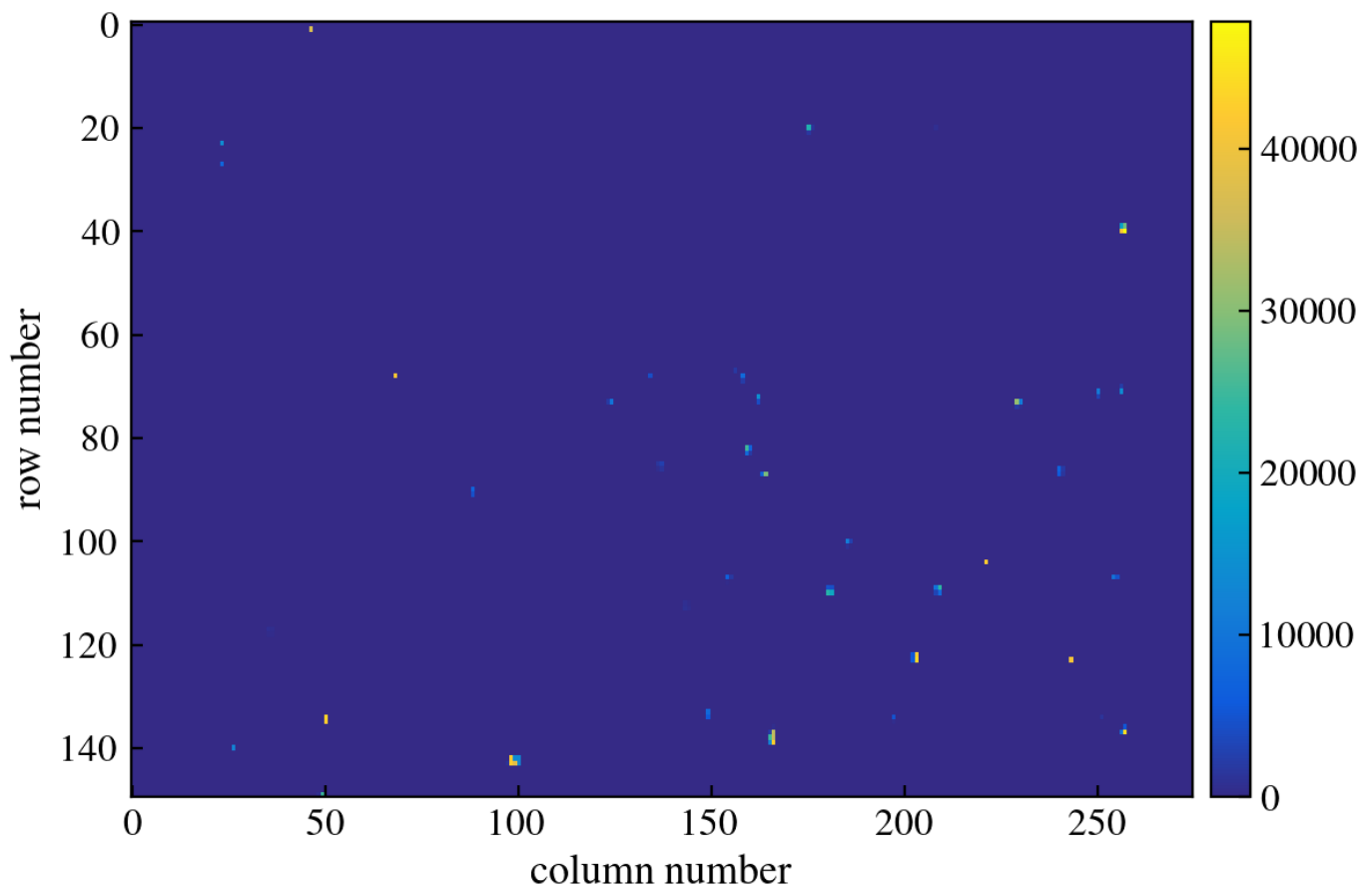


Figure 46: CCD Image

CCD Image: run 454, image 111  
[class MECCDImage]

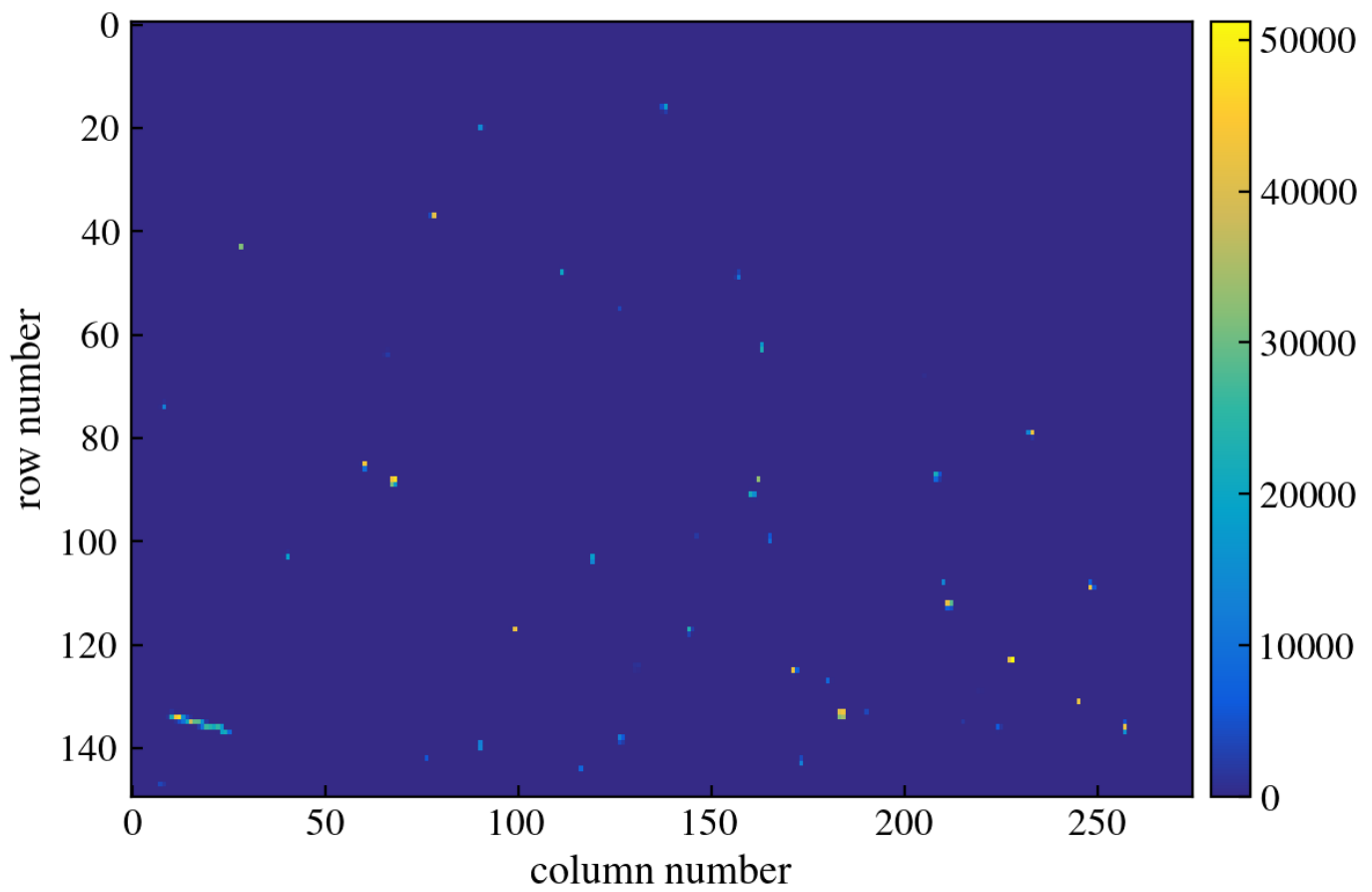


Figure 47: CCD Image



CCD Image: run 454, image 112  
[class MECCDImage]

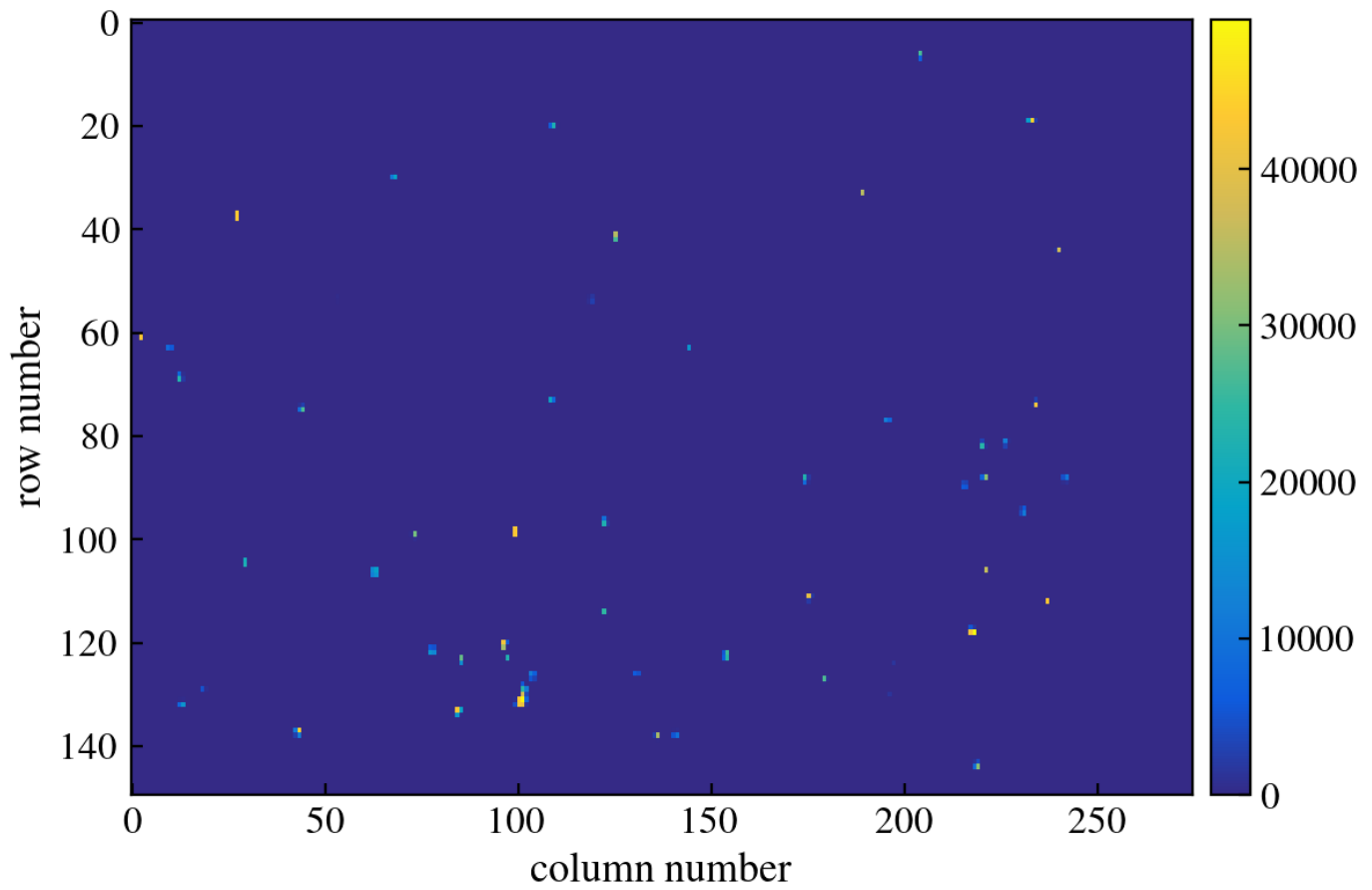


Figure 48: CCD Image

CCD Image: run 454, image 113  
[class MECCDImage]

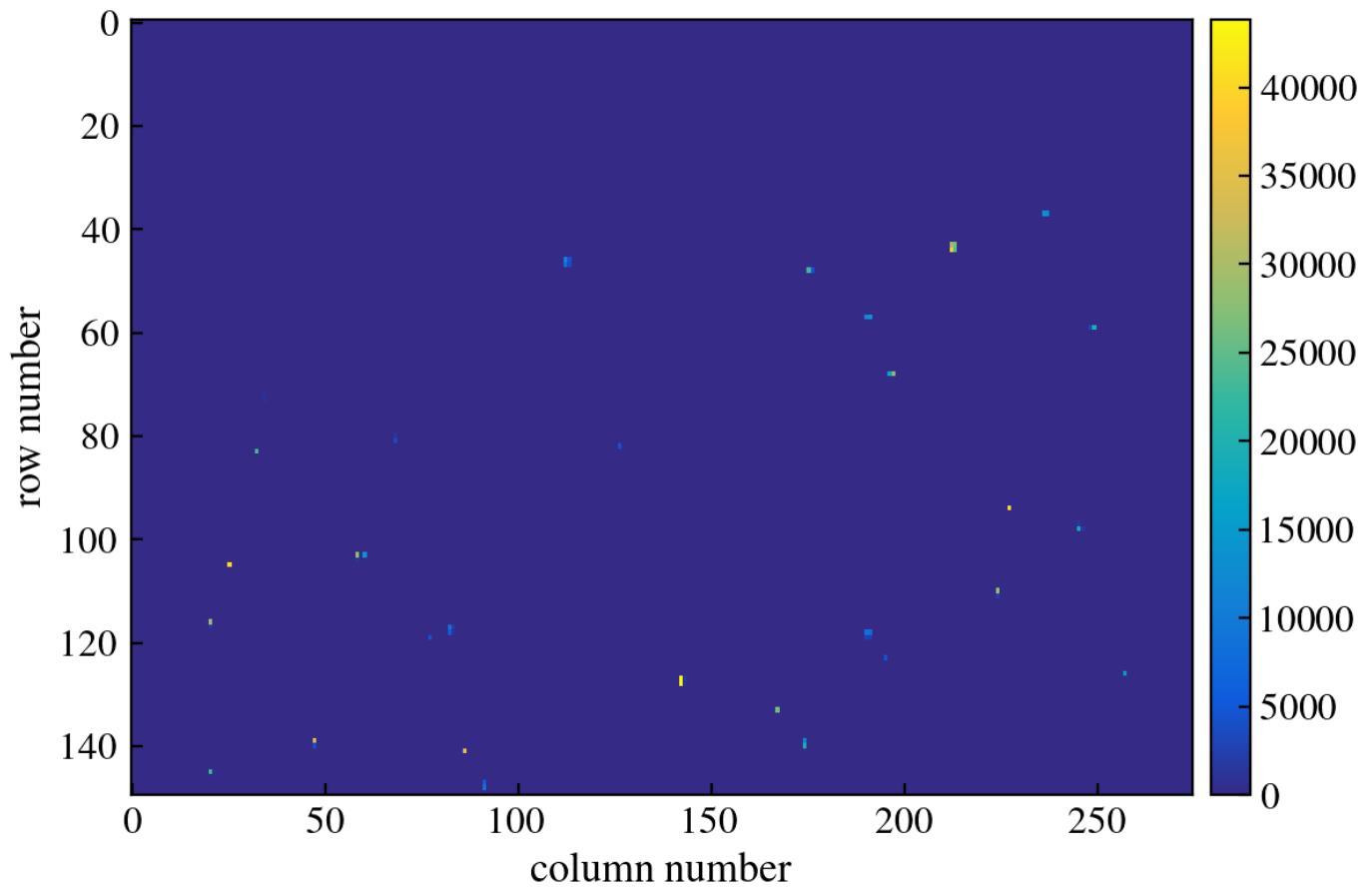


Figure 49: CCD Image

CCD Image: run 454, image 114  
[class MECCDImage]

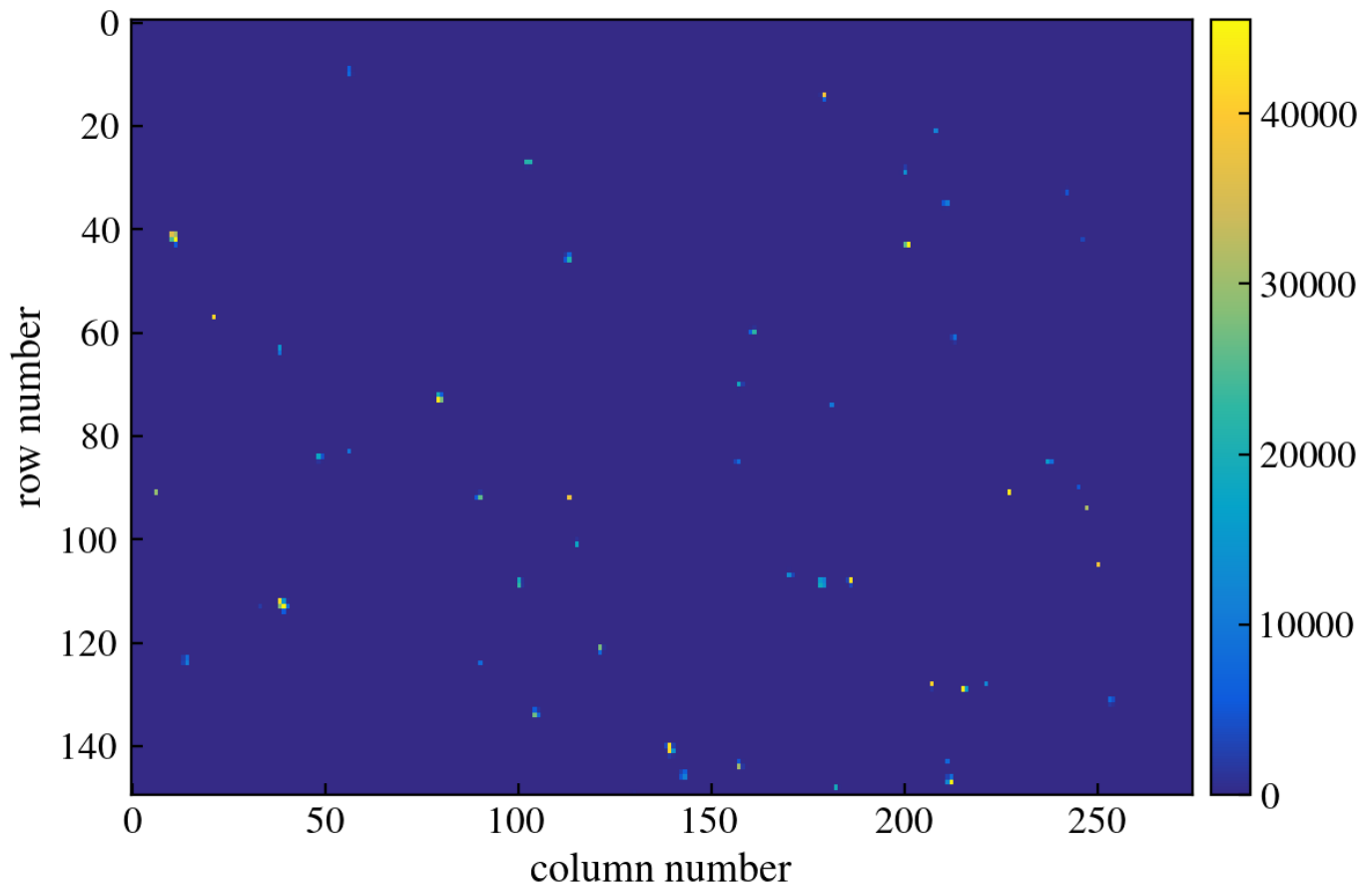


Figure 50: CCD Image

CCD Image: run 454, image 115  
[class MECCDImage]

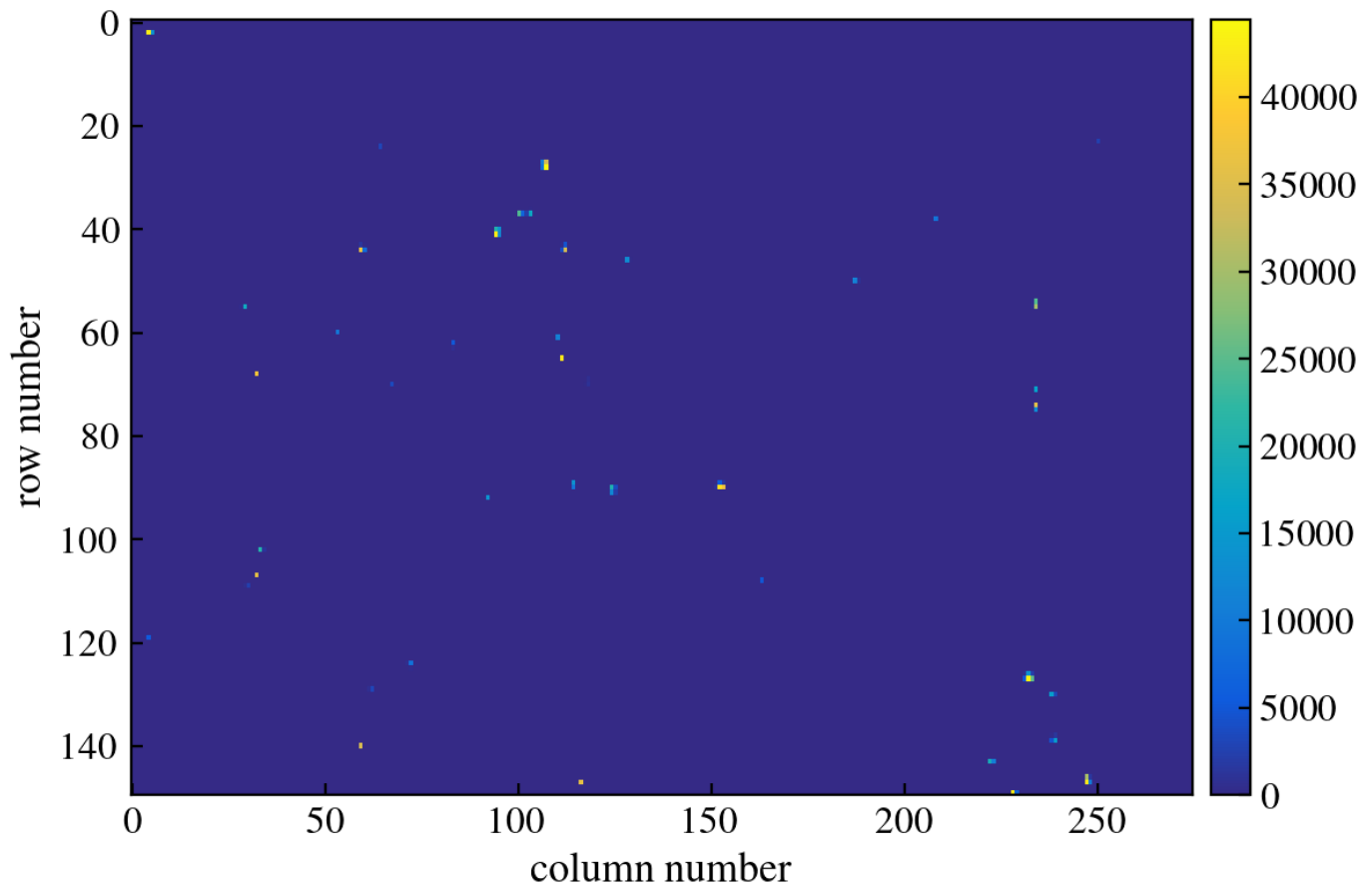


Figure 51: CCD Image

CCD Image: run 454, image 116  
[class MECCDImage]

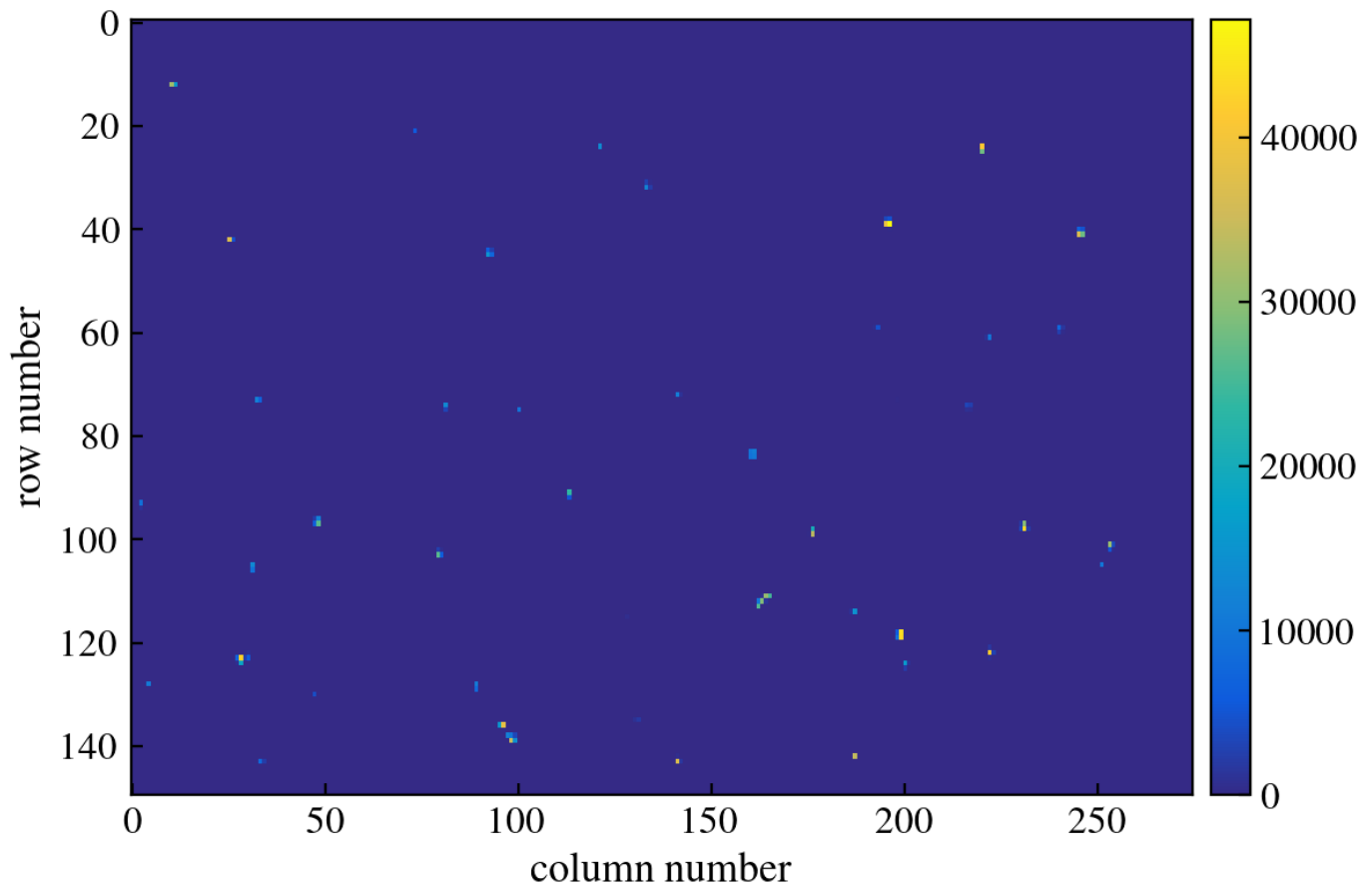


Figure 52: CCD Image

CCD Image: run 454, image 117  
[class MECCDImage]

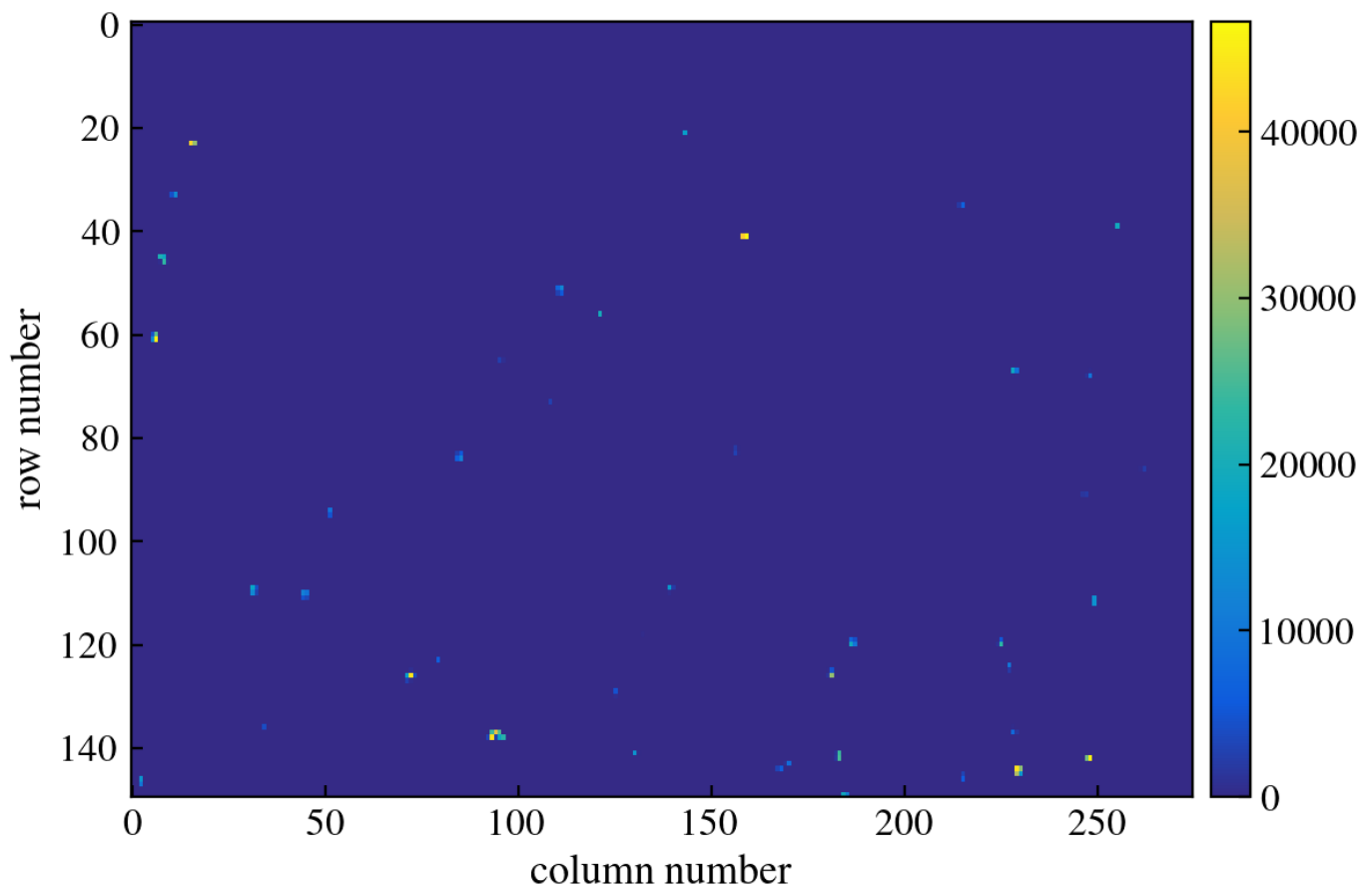


Figure 53: CCD Image

CCD Image: run 454, image 118  
[class MECCDImage]

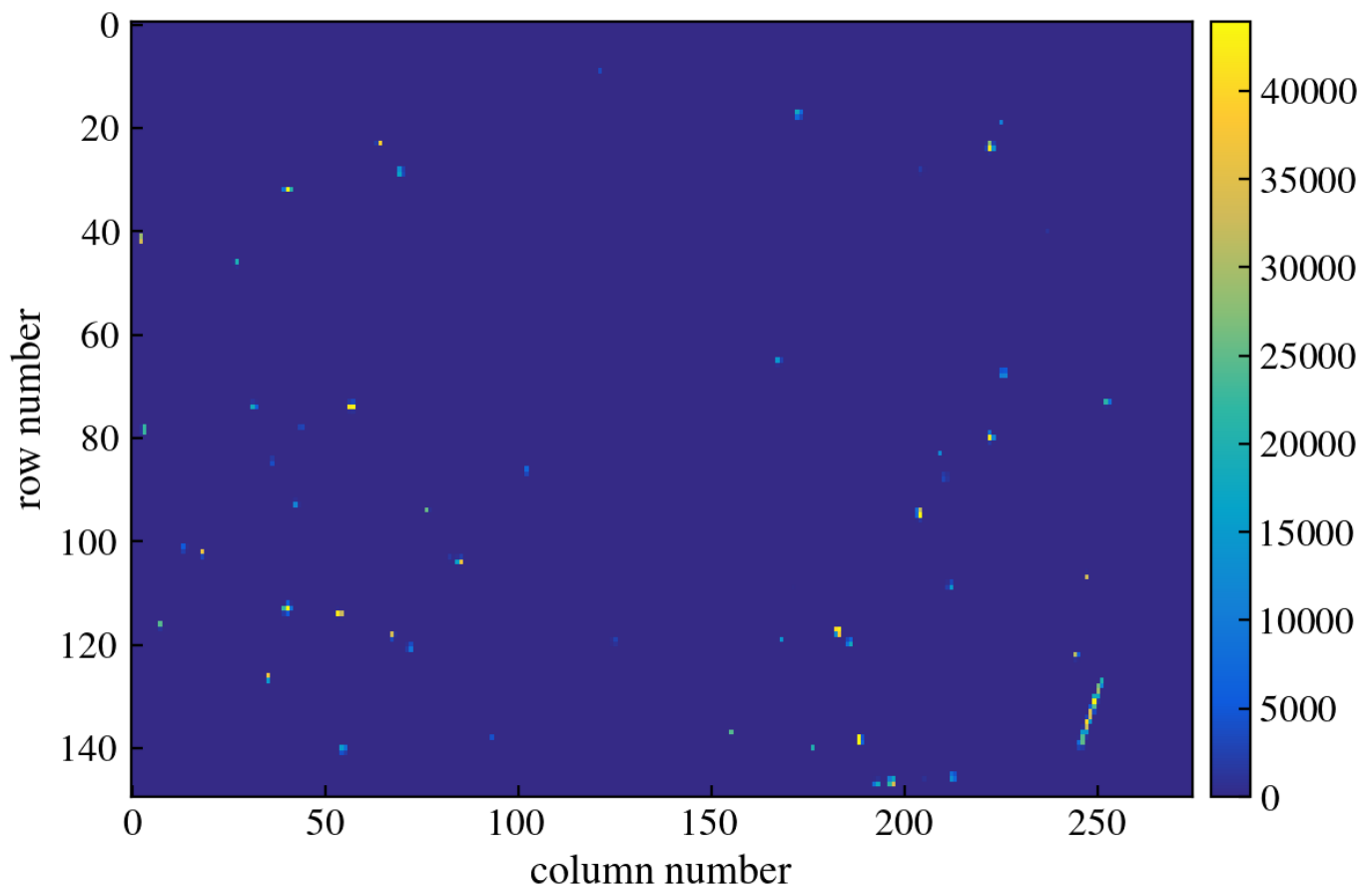


Figure 54: CCD Image

CCD Image: run 454, image 119  
[class MECCDImage]

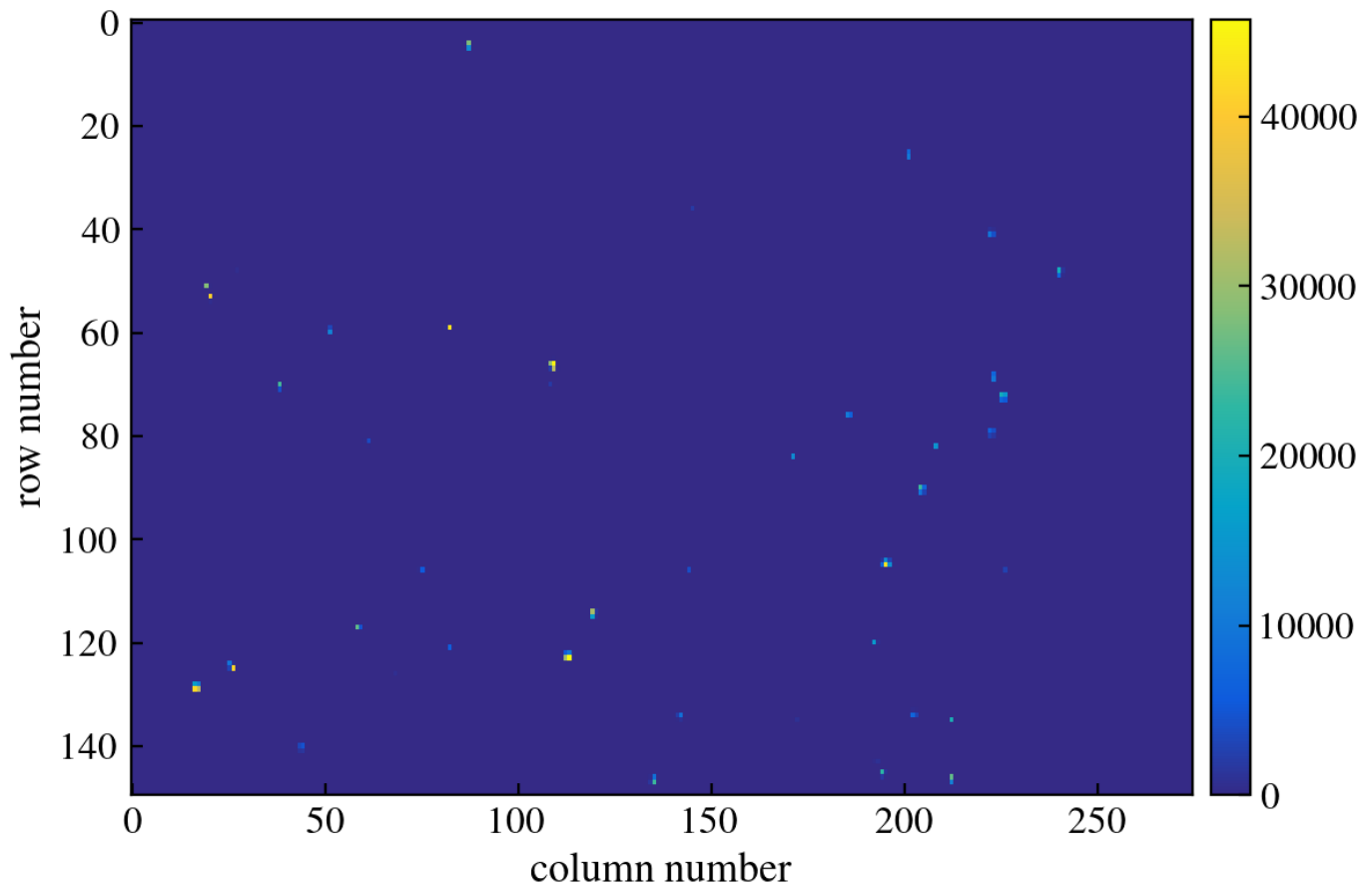


Figure 55: CCD Image



CCD Image: run 454, image 12  
[class MECCDImage]

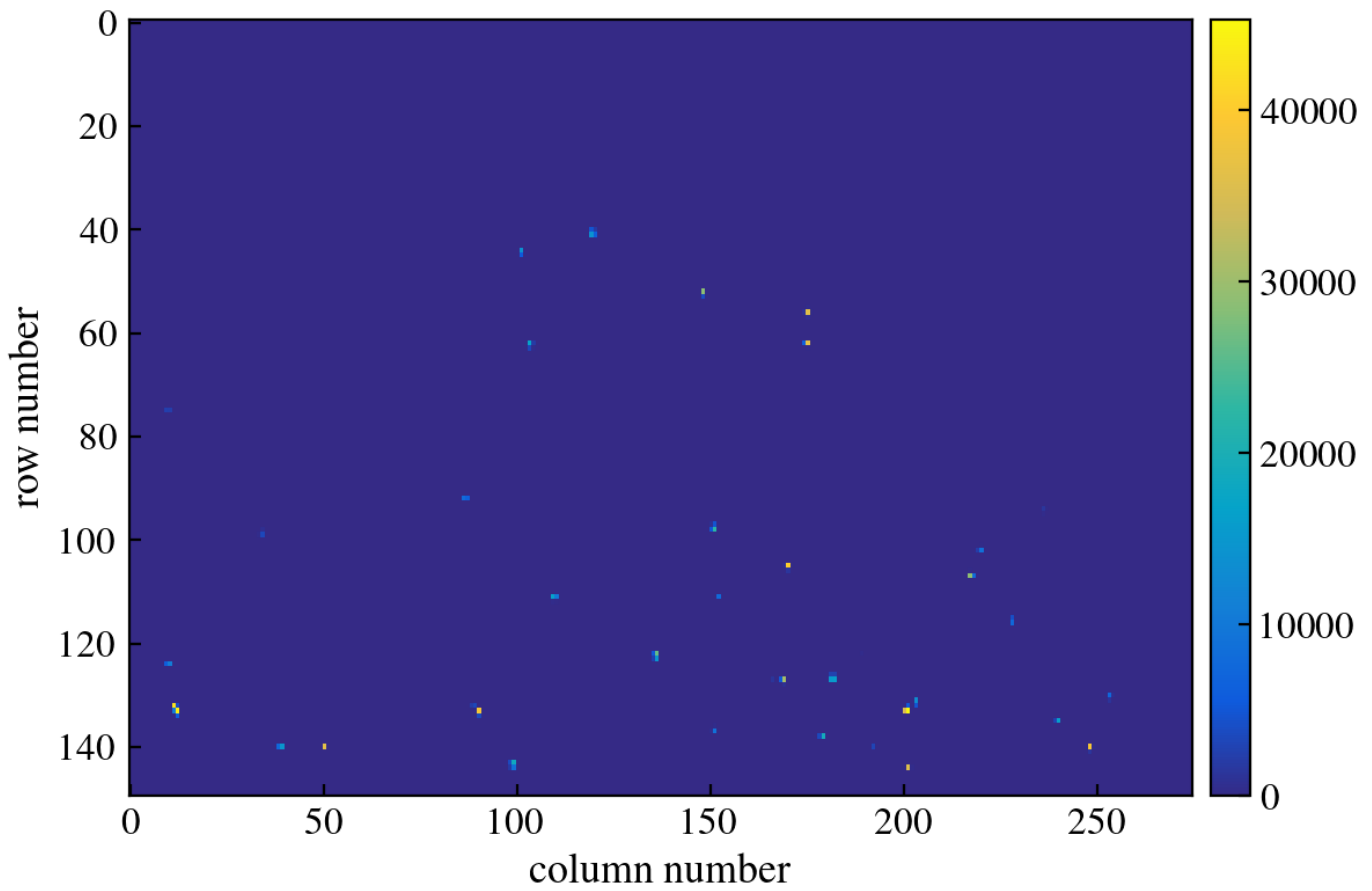


Figure 56: CCD Image

CCD Image: run 454, image 120  
[class MECCDImage]

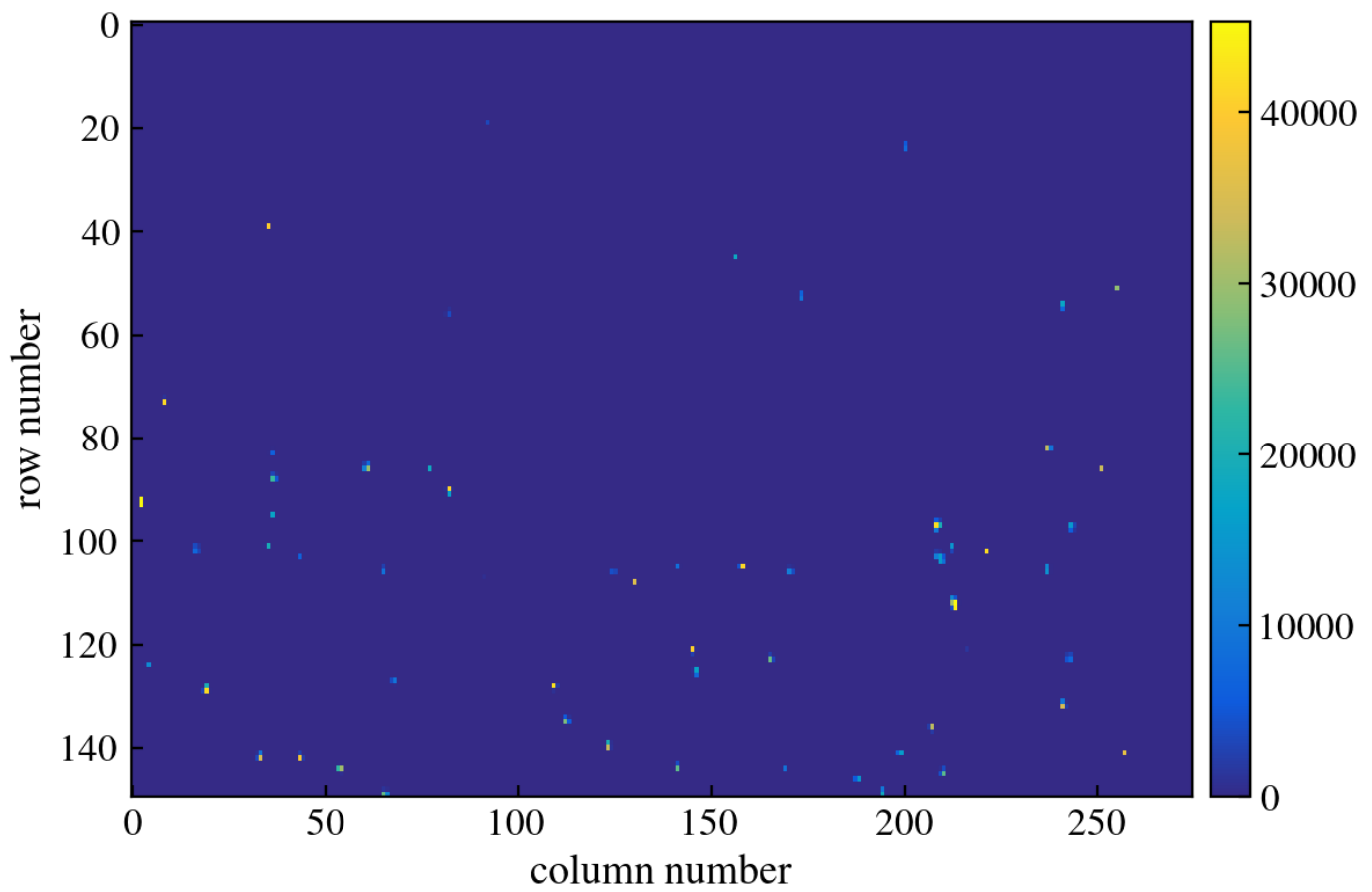


Figure 57: CCD Image

CCD Image: run 454, image 121  
[class MECCDImage]

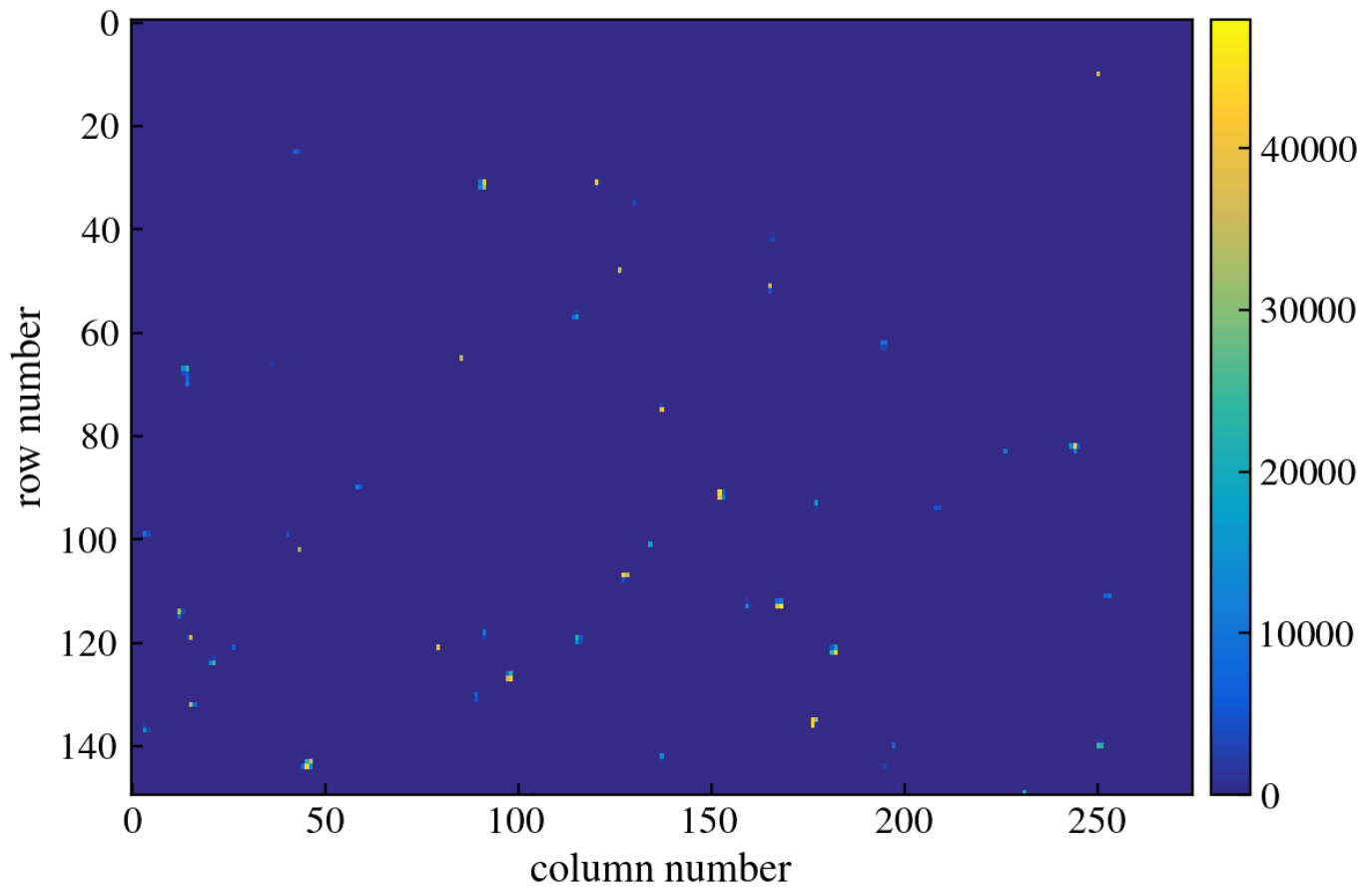


Figure 58: CCD Image

CCD Image: run 454, image 122  
[class MECCDImage]

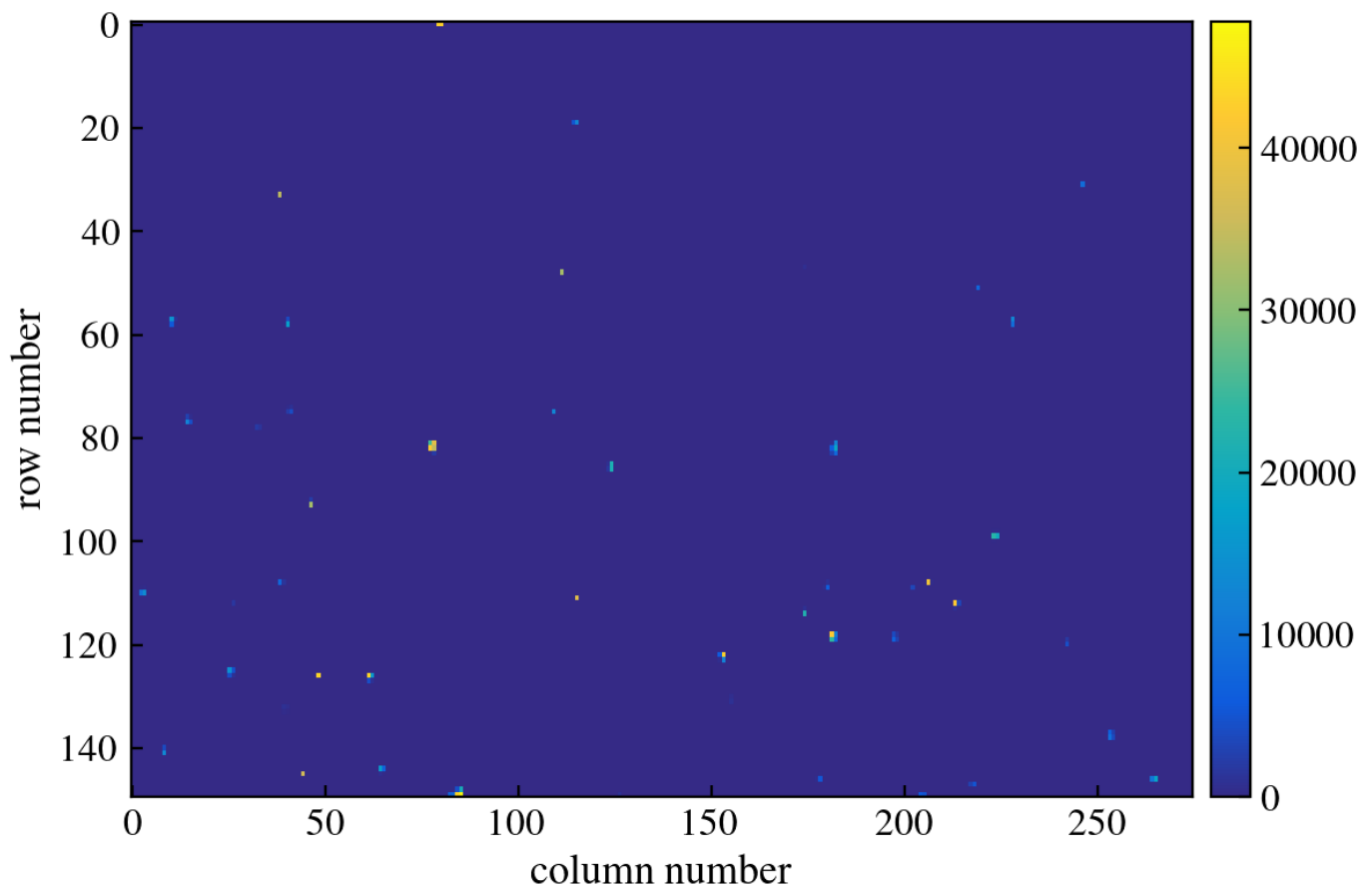


Figure 59: CCD Image

CCD Image: run 454, image 123  
[class MECCDImage]

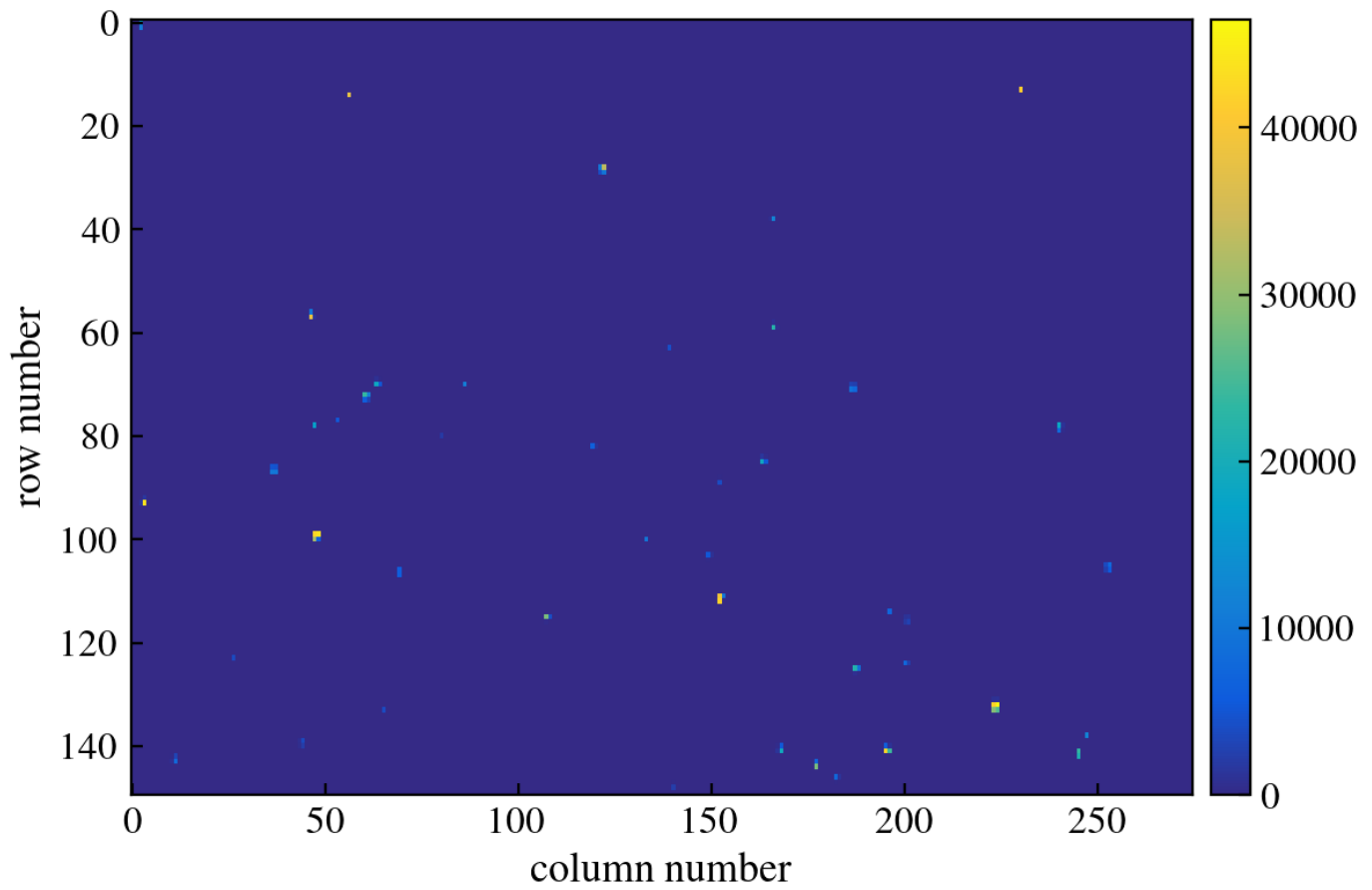


Figure 60: CCD Image

CCD Image: run 454, image 124  
[class MECCDImage]

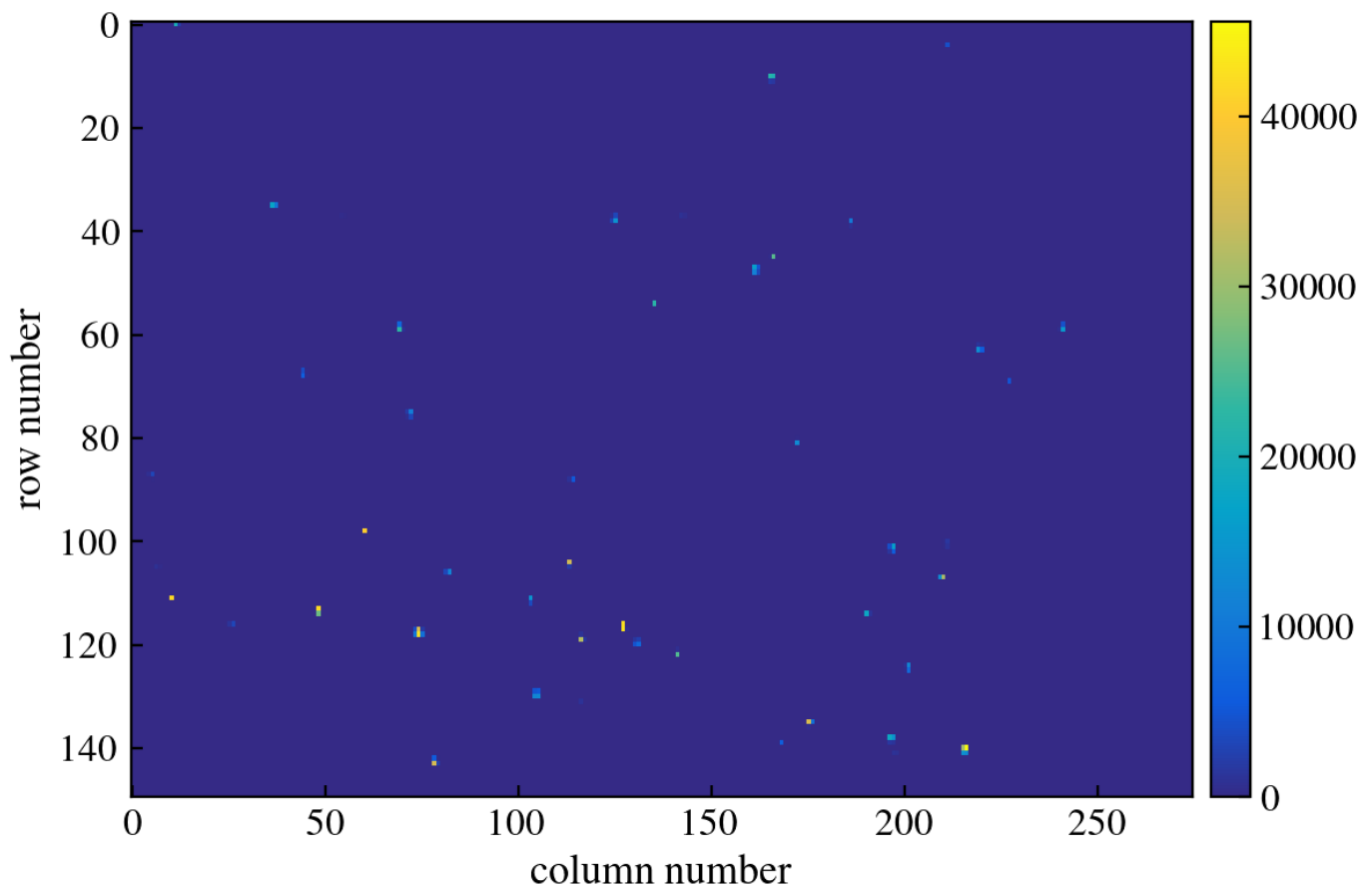


Figure 61: CCD Image



CCD Image: run 454, image 126  
[class MECCDImage]

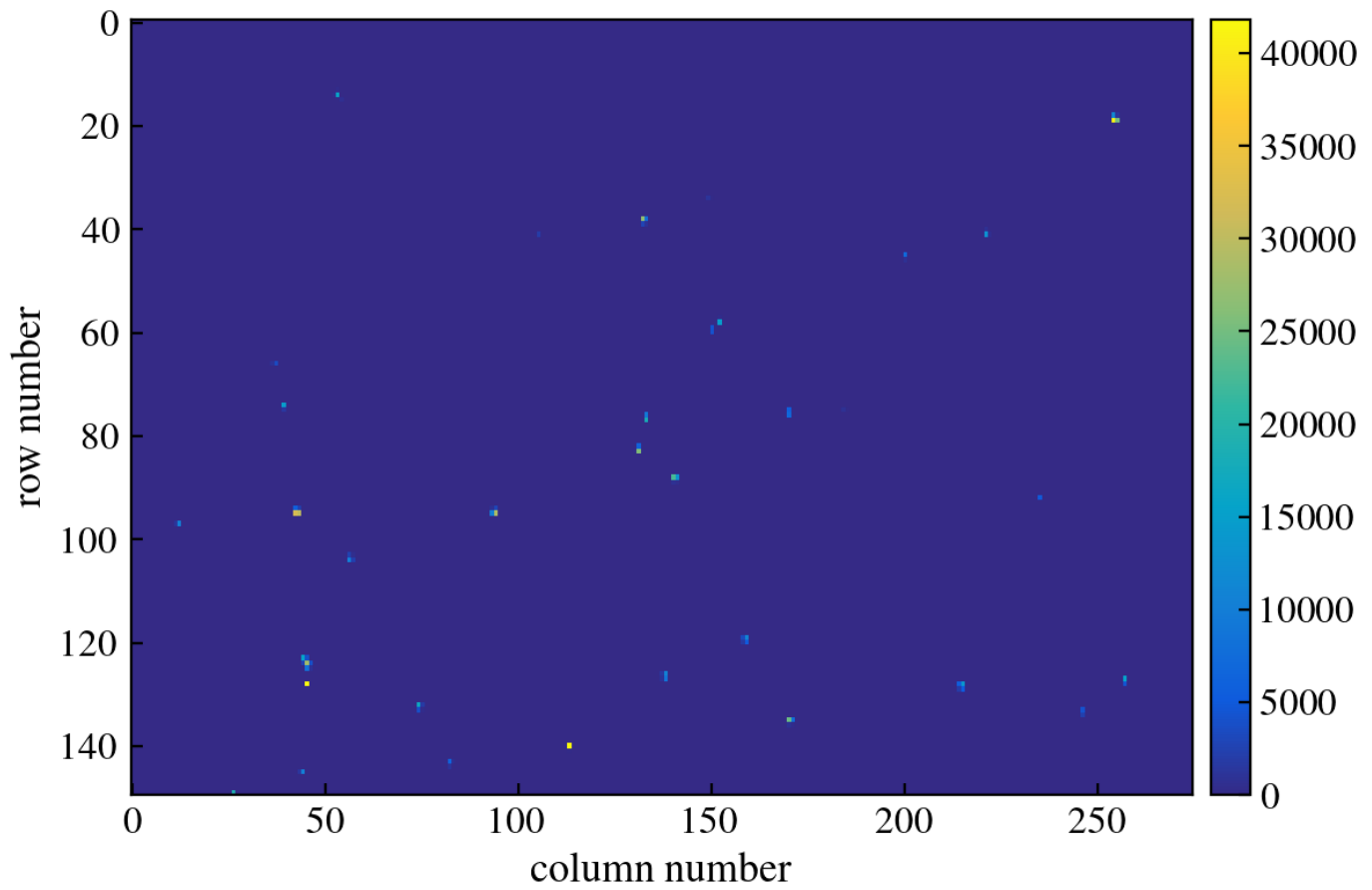


Figure 63: CCD Image



CCD Image: run 454, image 127  
[class MECCDImage]

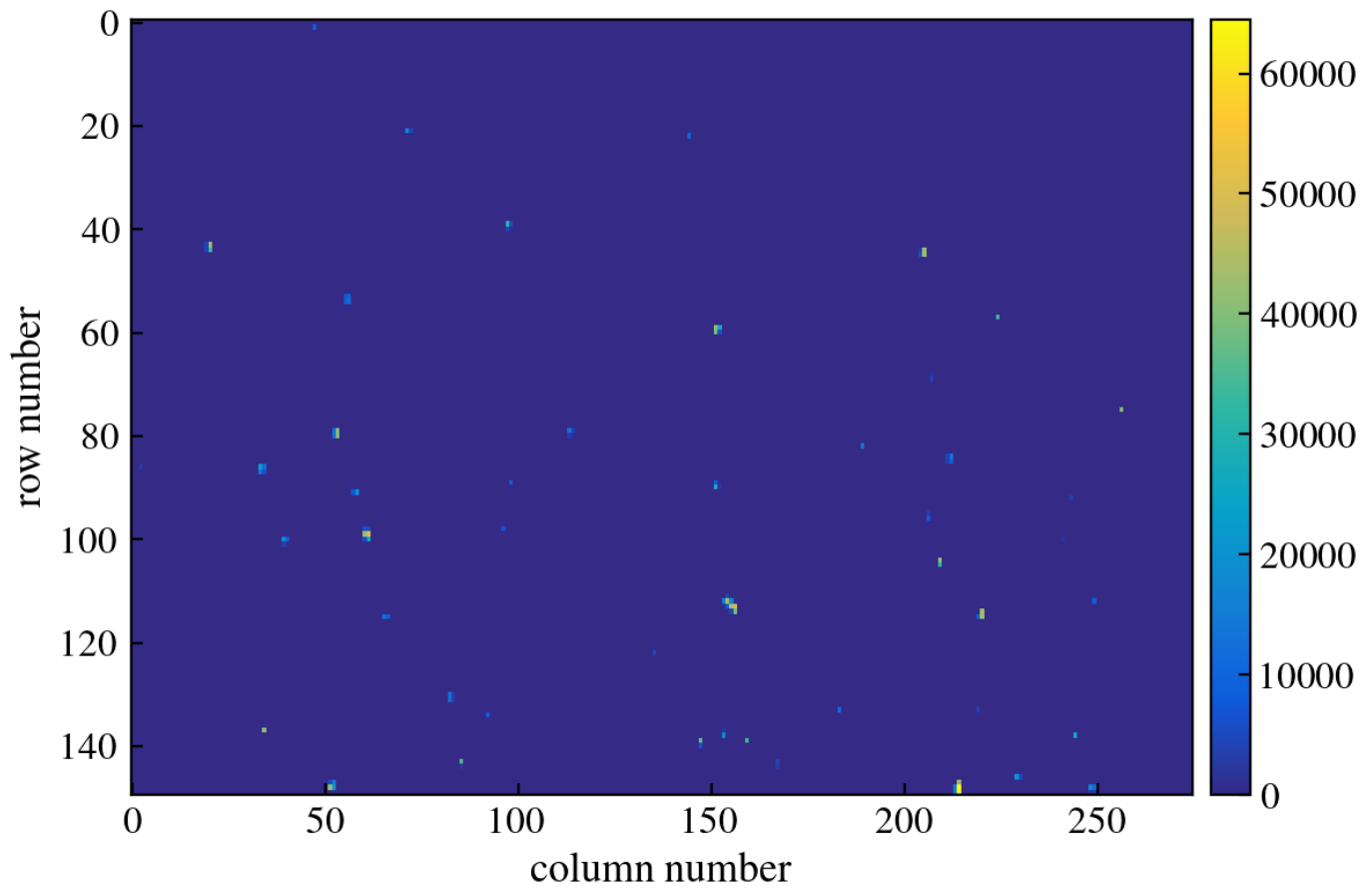


Figure 64: CCD Image

CCD Image: run 454, image 128  
[class MECCDImage]

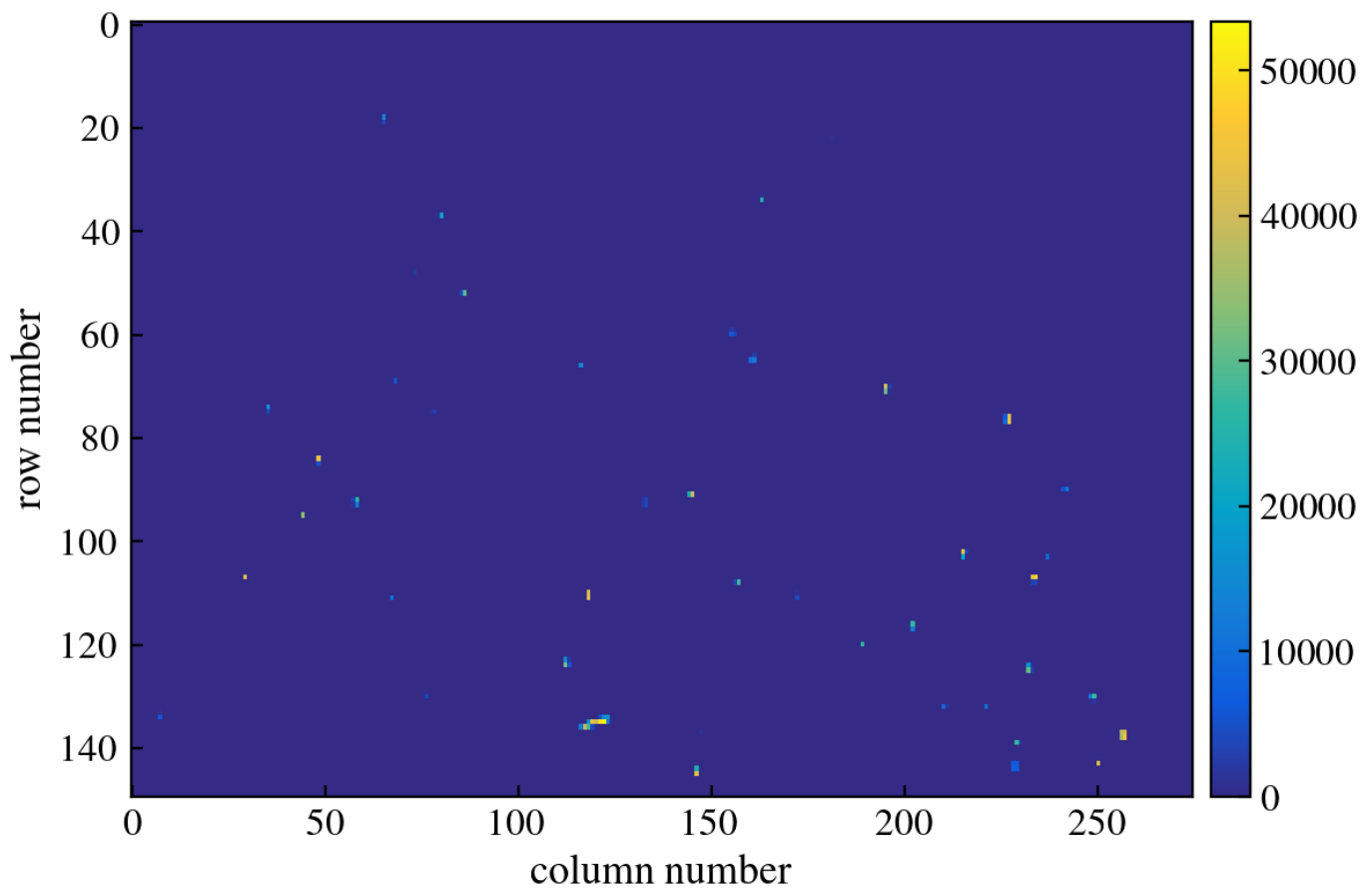


Figure 65: CCD Image

CCD Image: run 454, image 129  
[class MECCDImage]

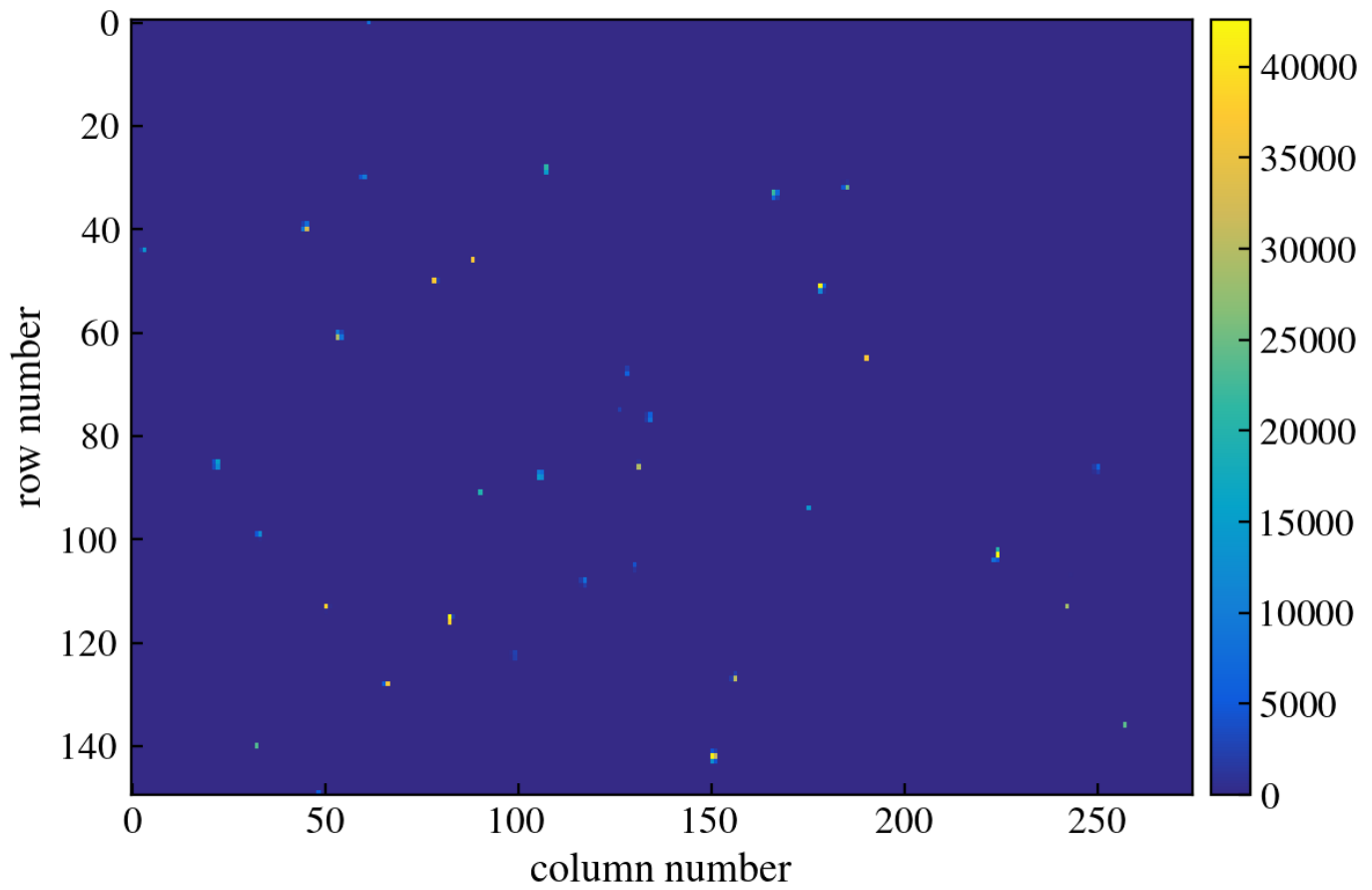


Figure 66: CCD Image

CCD Image: run 454, image 13  
[class MECCDImage]

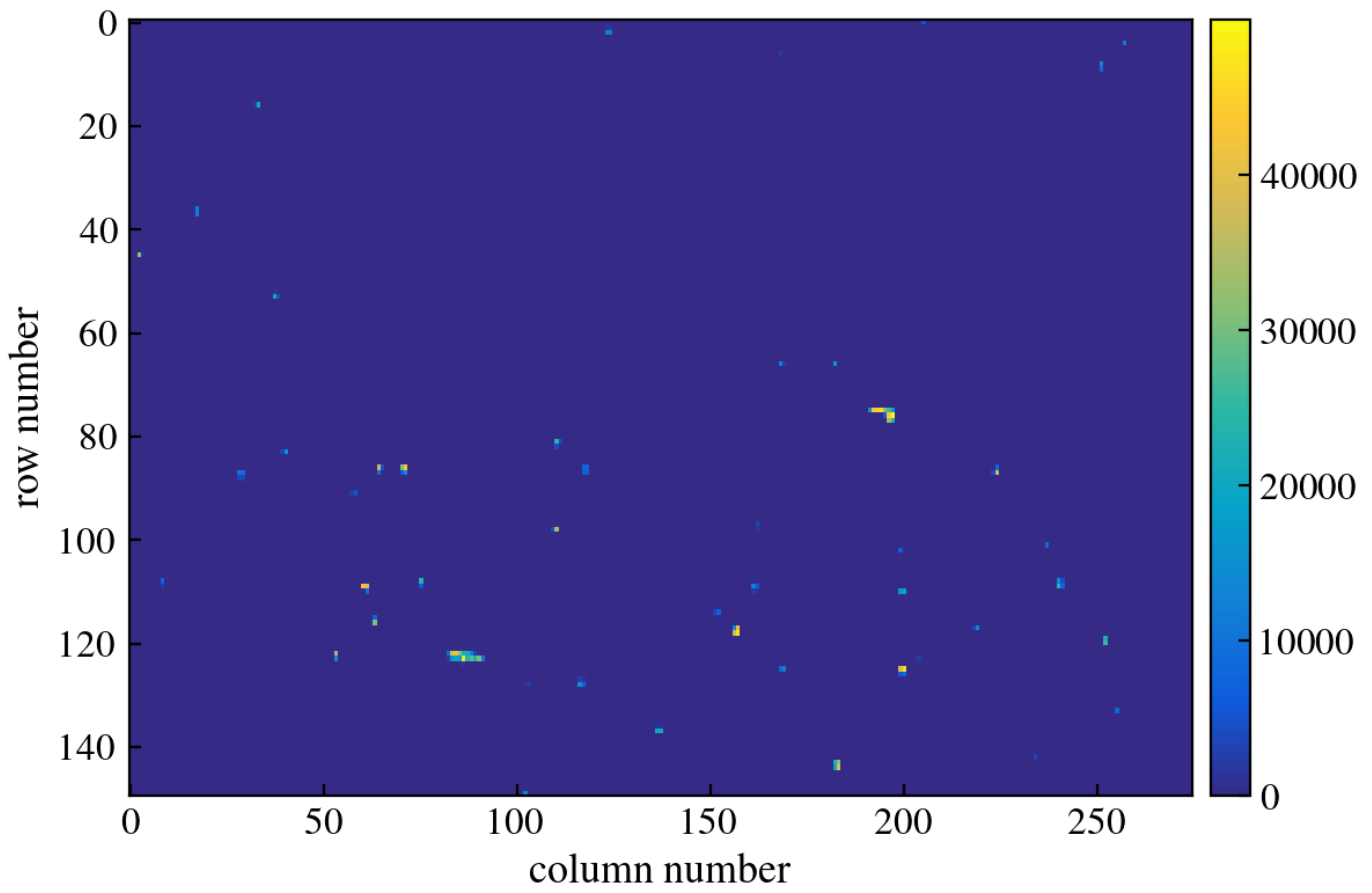


Figure 67: CCD Image

CCD Image: run 454, image 130  
[class MECCDImage]

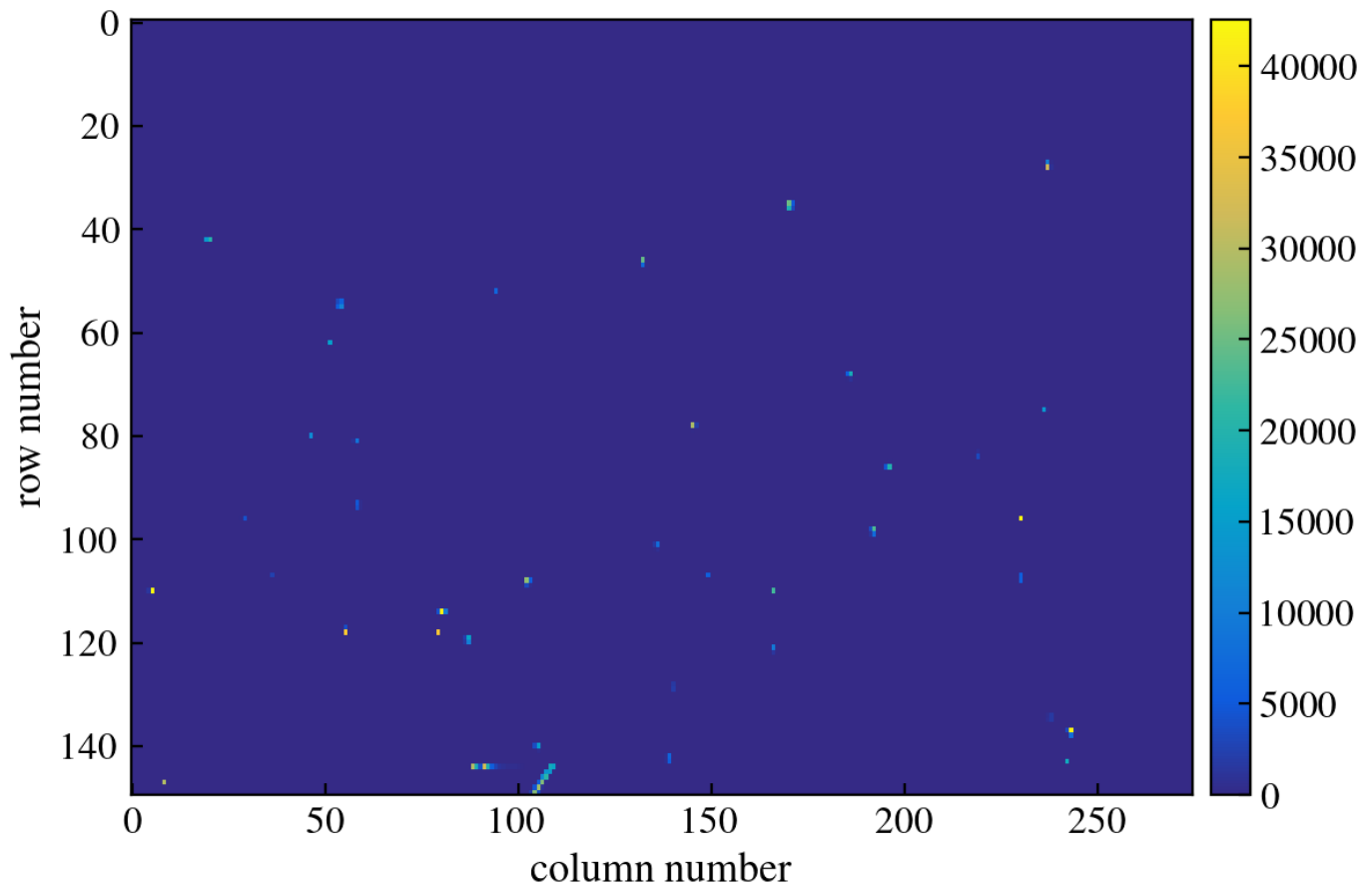


Figure 68: CCD Image

CCD Image: run 454, image 131  
[class MECCDImage]

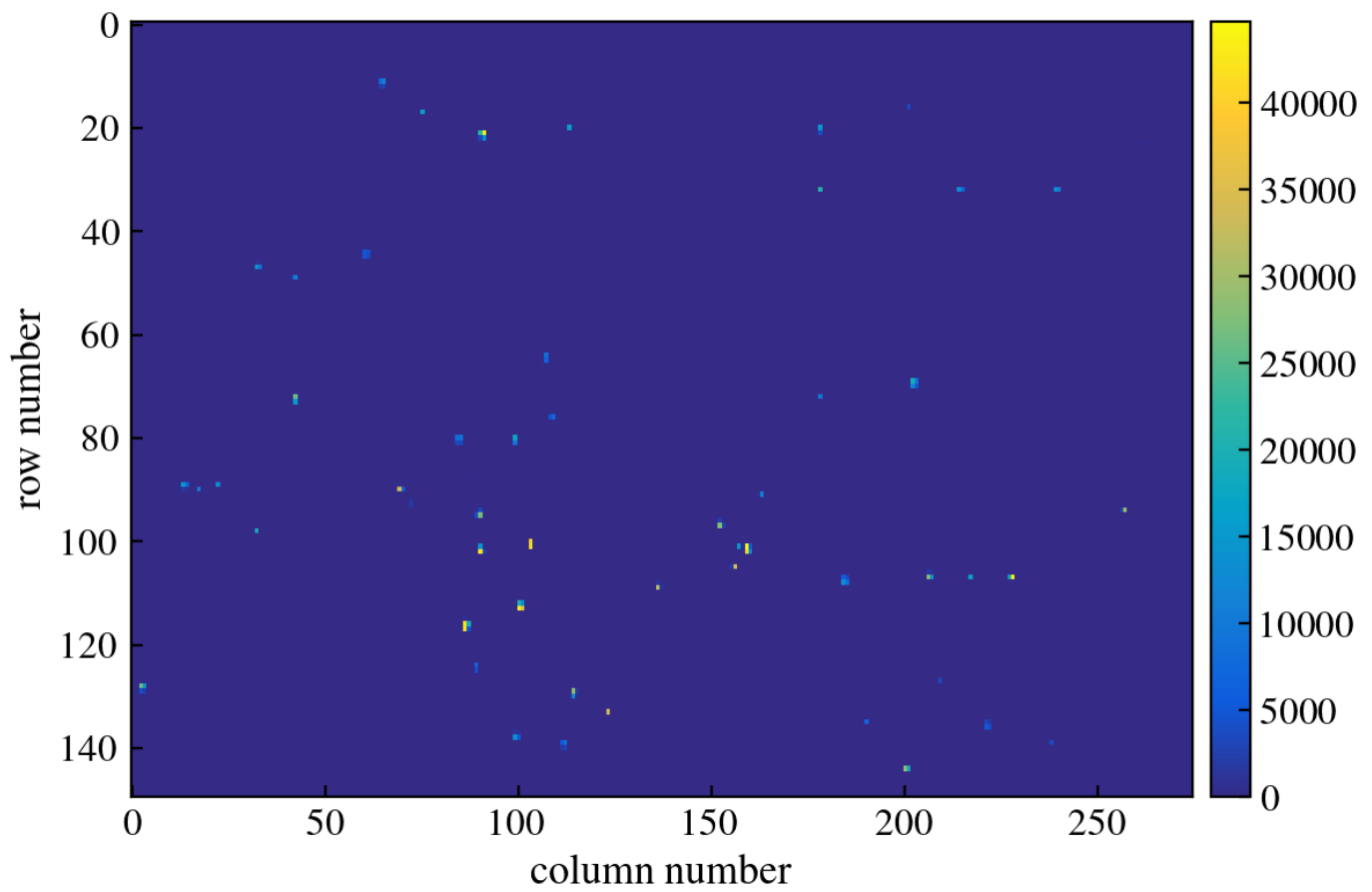


Figure 69: CCD Image

CCD Image: run 454, image 132  
[class MECCDImage]

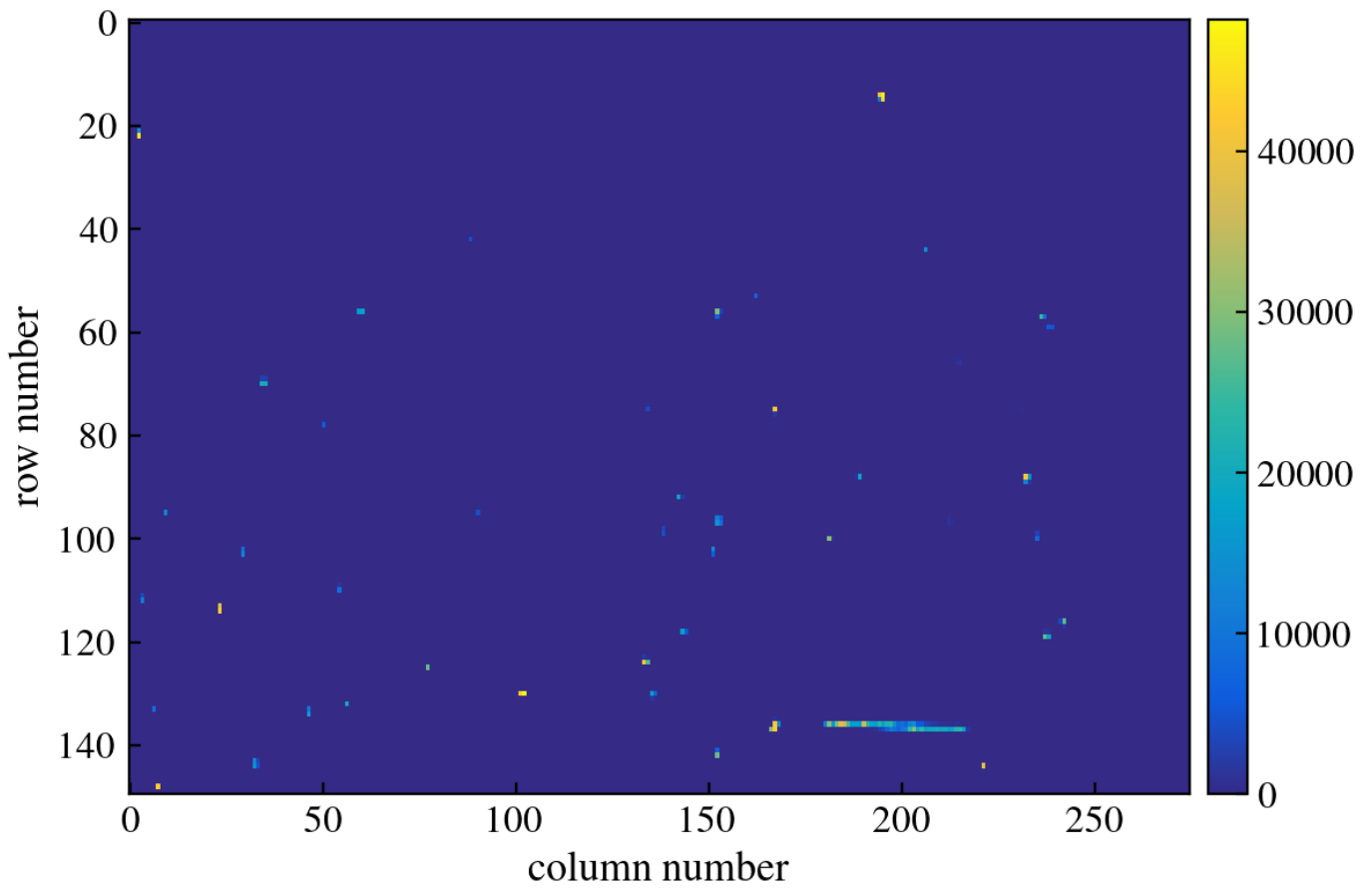


Figure 70: CCD Image

CCD Image: run 454, image 133  
[class MECCDImage]

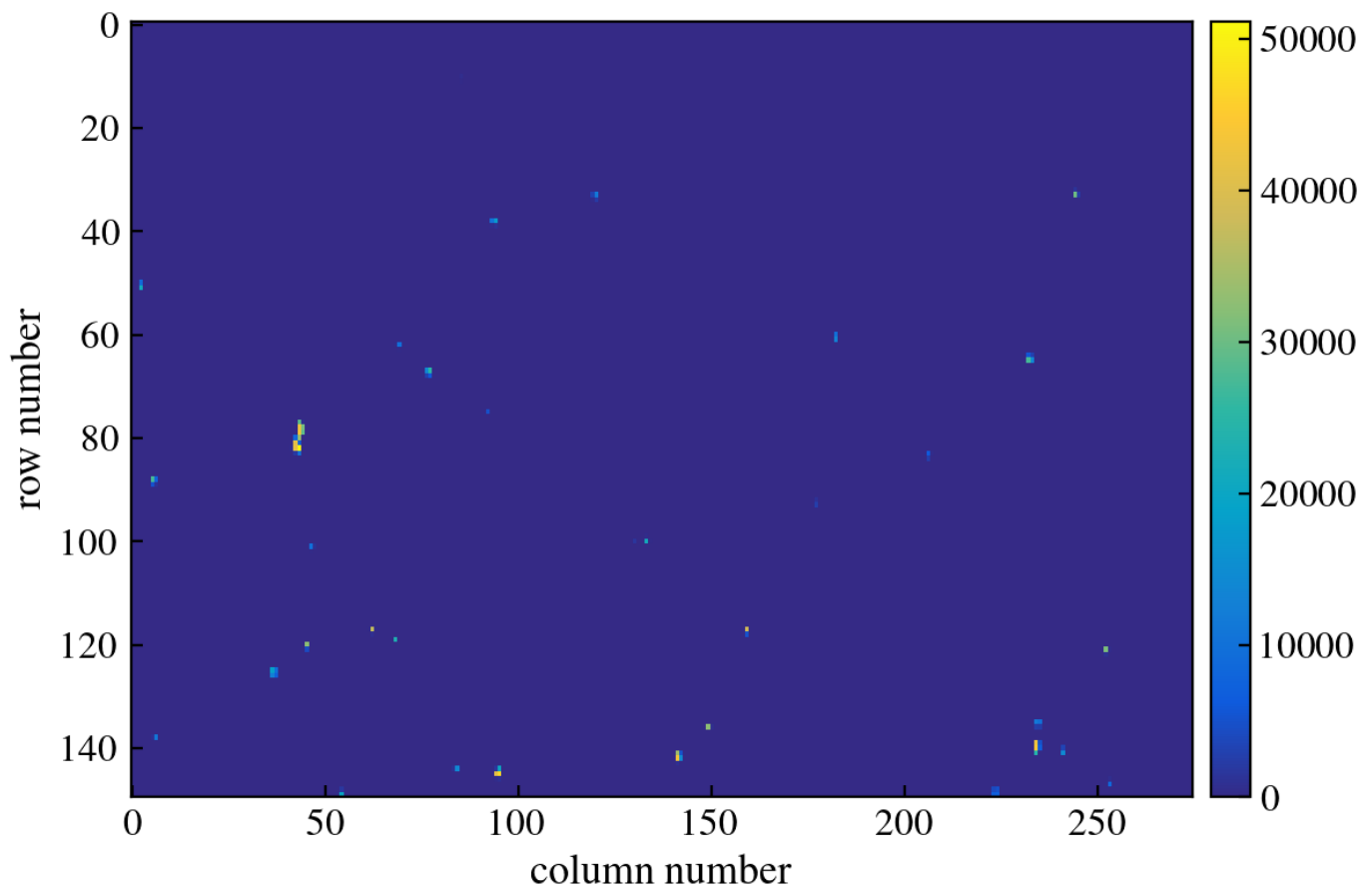


Figure 71: CCD Image



CCD Image: run 454, image 134  
[class MECCDImage]

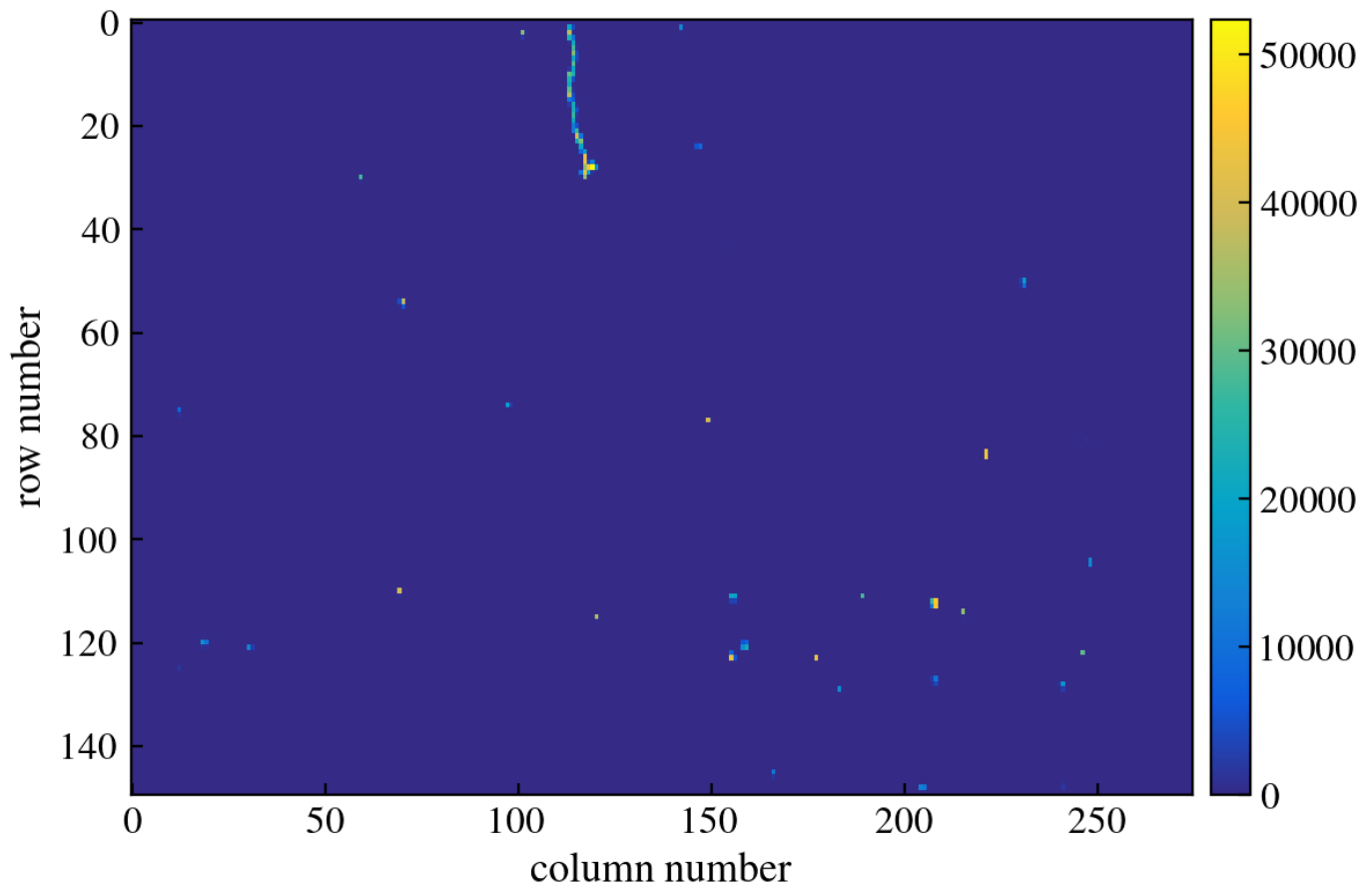


Figure 72: CCD Image

CCD Image: run 454, image 135  
[class MECCDImage]

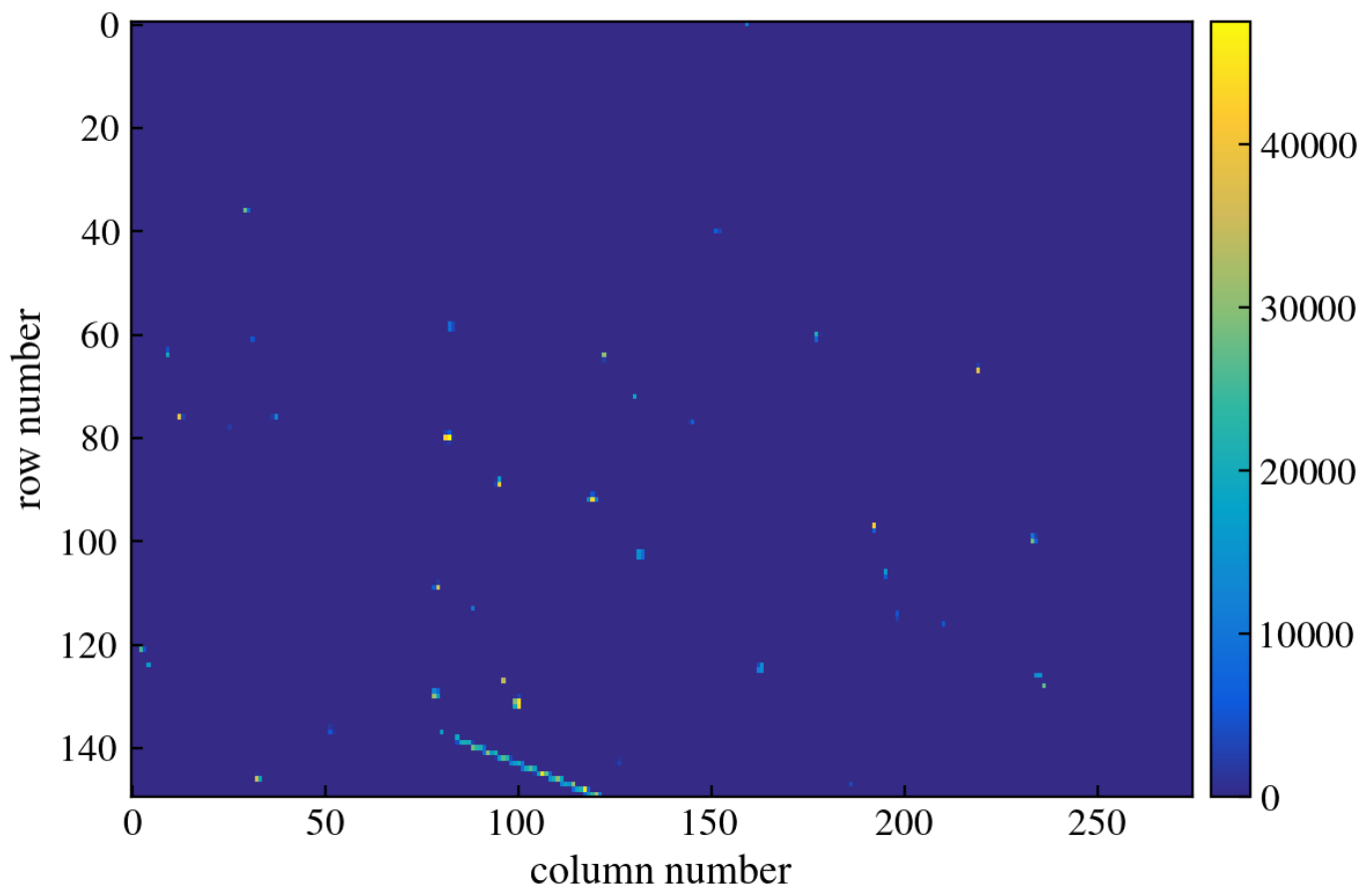


Figure 73: CCD Image

CCD Image: run 454, image 136  
[class MECCDImage]

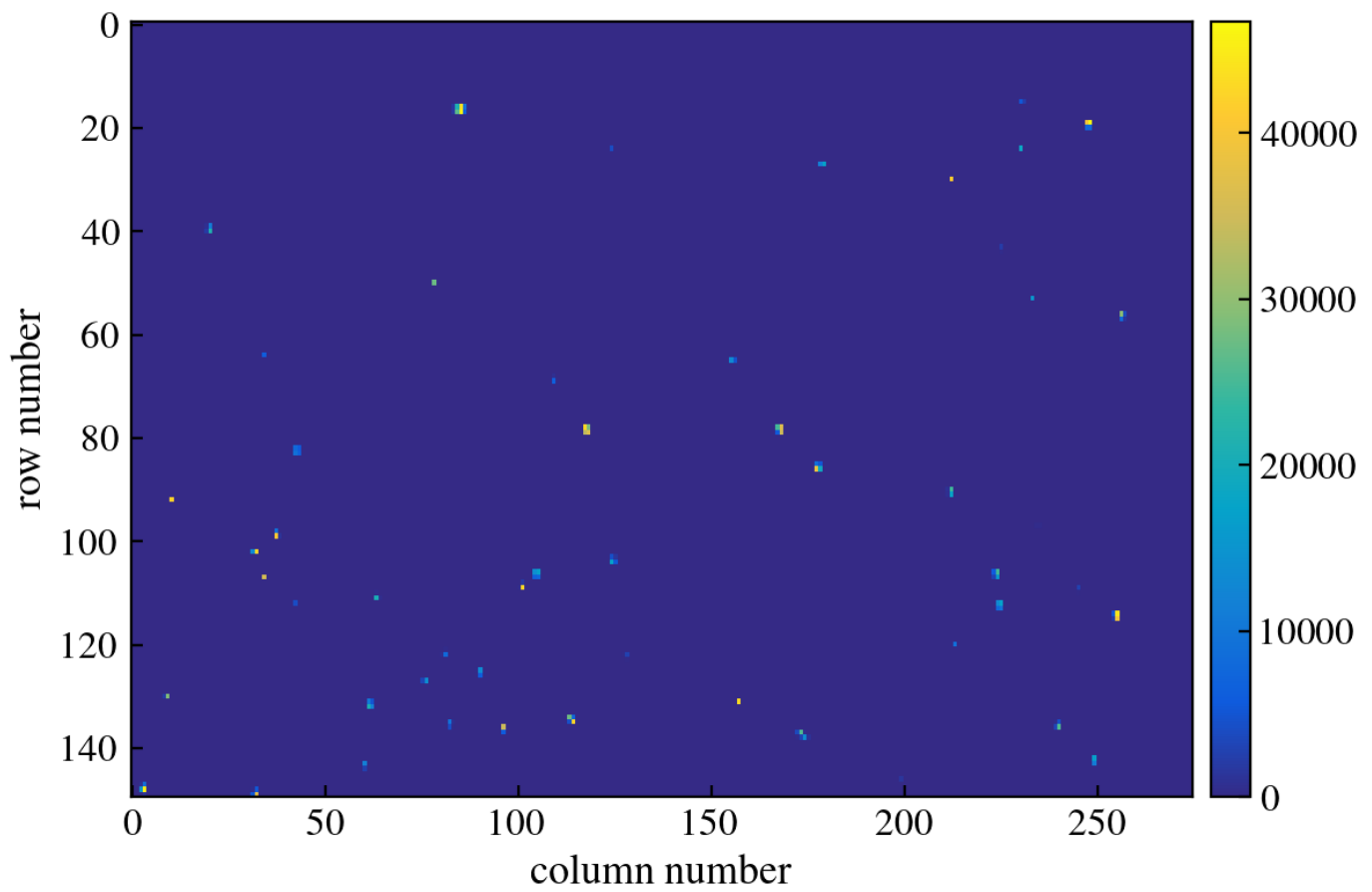


Figure 74: CCD Image

CCD Image: run 454, image 137  
[class MECCDImage]

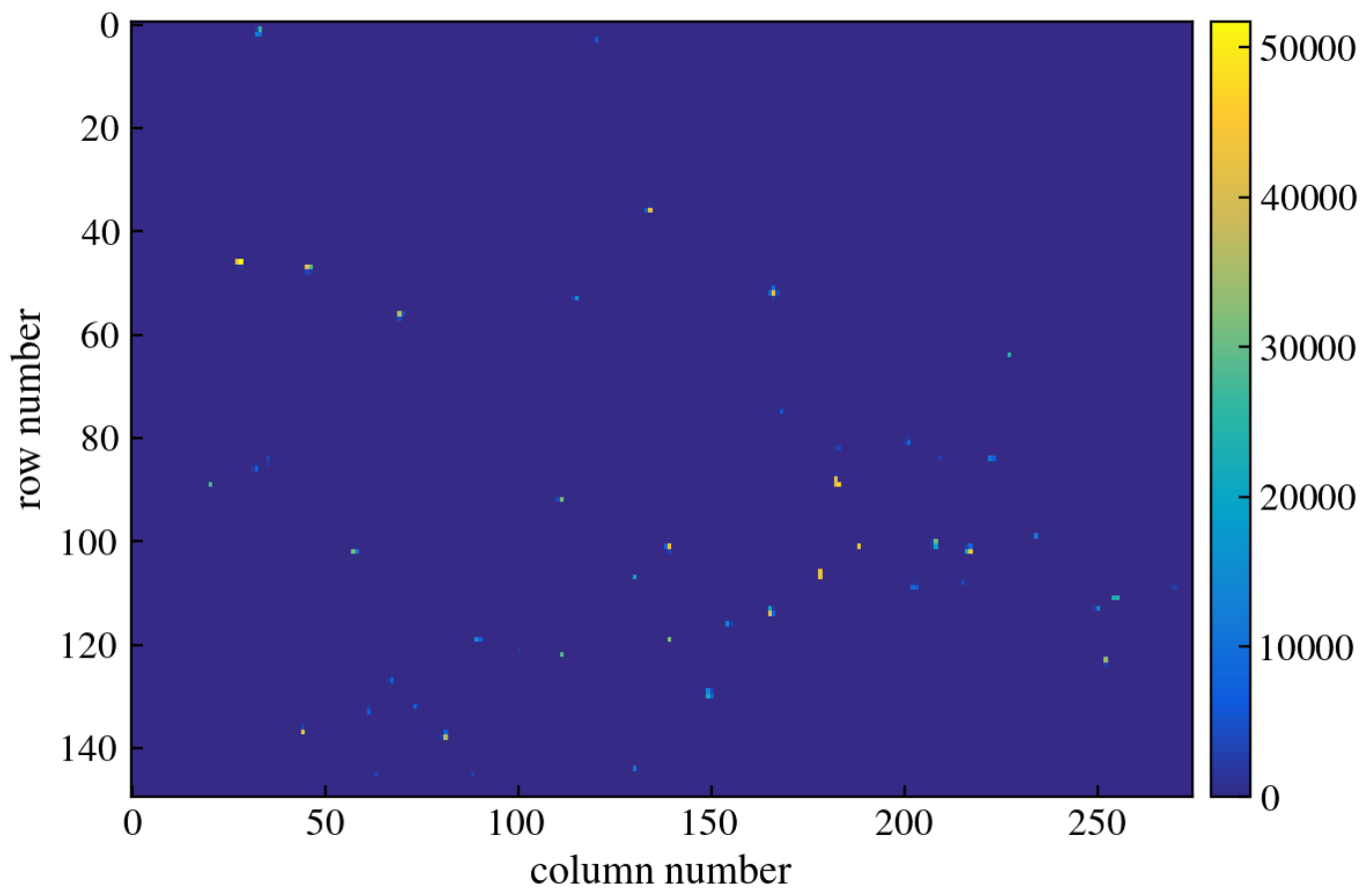


Figure 75: CCD Image

CCD Image: run 454, image 138  
[class MECCDImage]

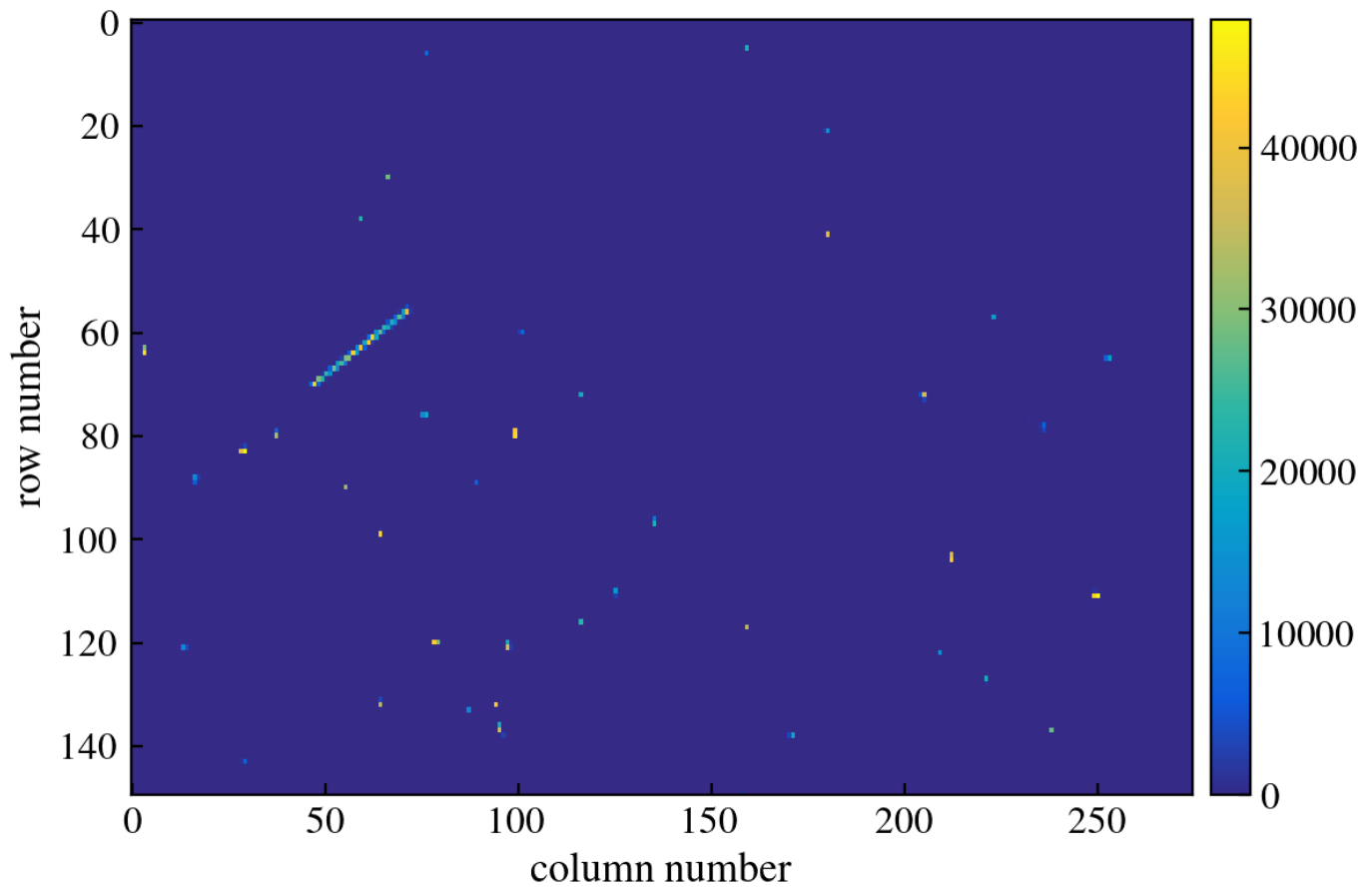


Figure 76: CCD Image

CCD Image: run 454, image 139  
[class MECCDImage]

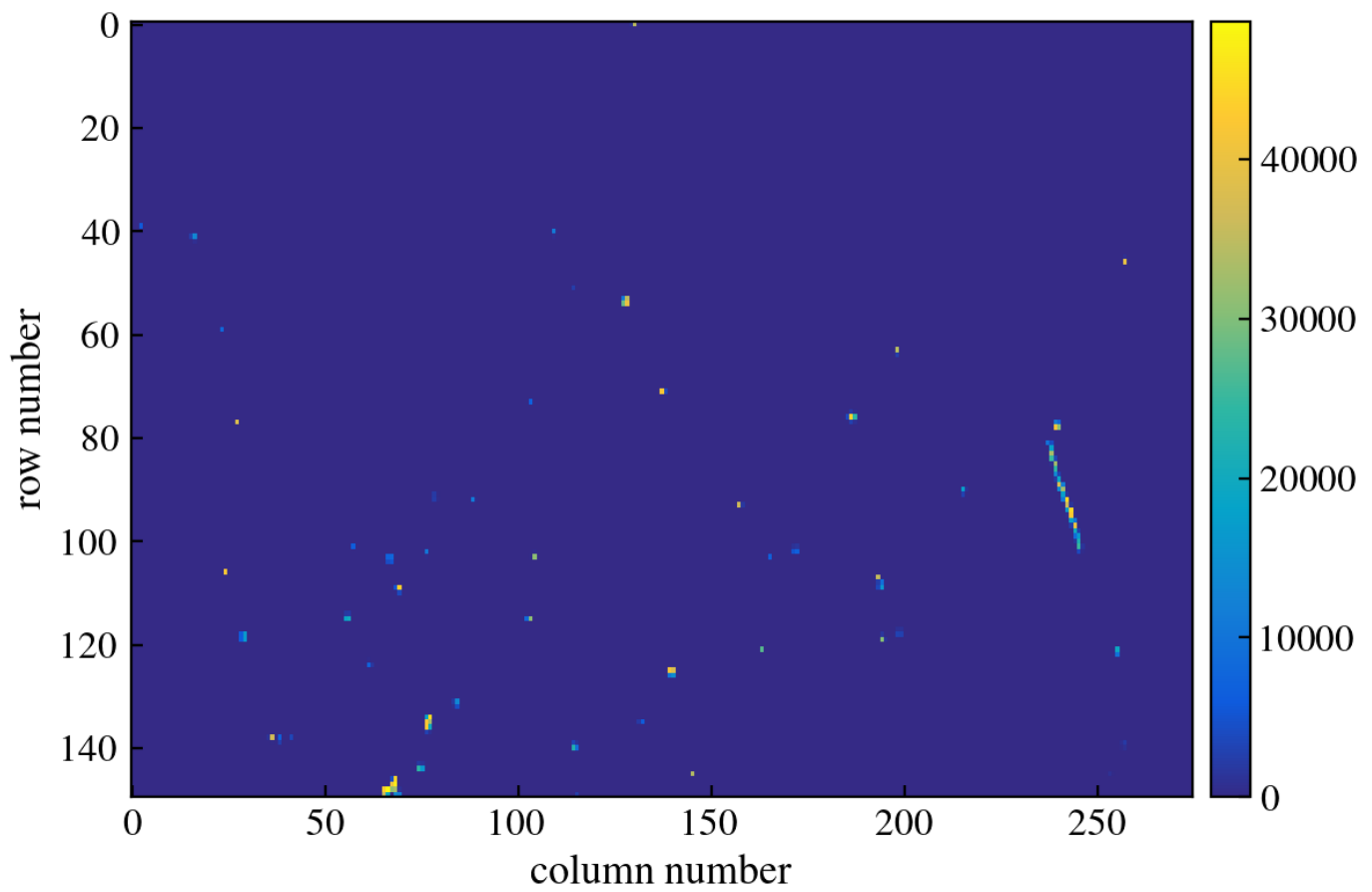


Figure 77: CCD Image

CCD Image: run 454, image 14  
[class MECCDImage]

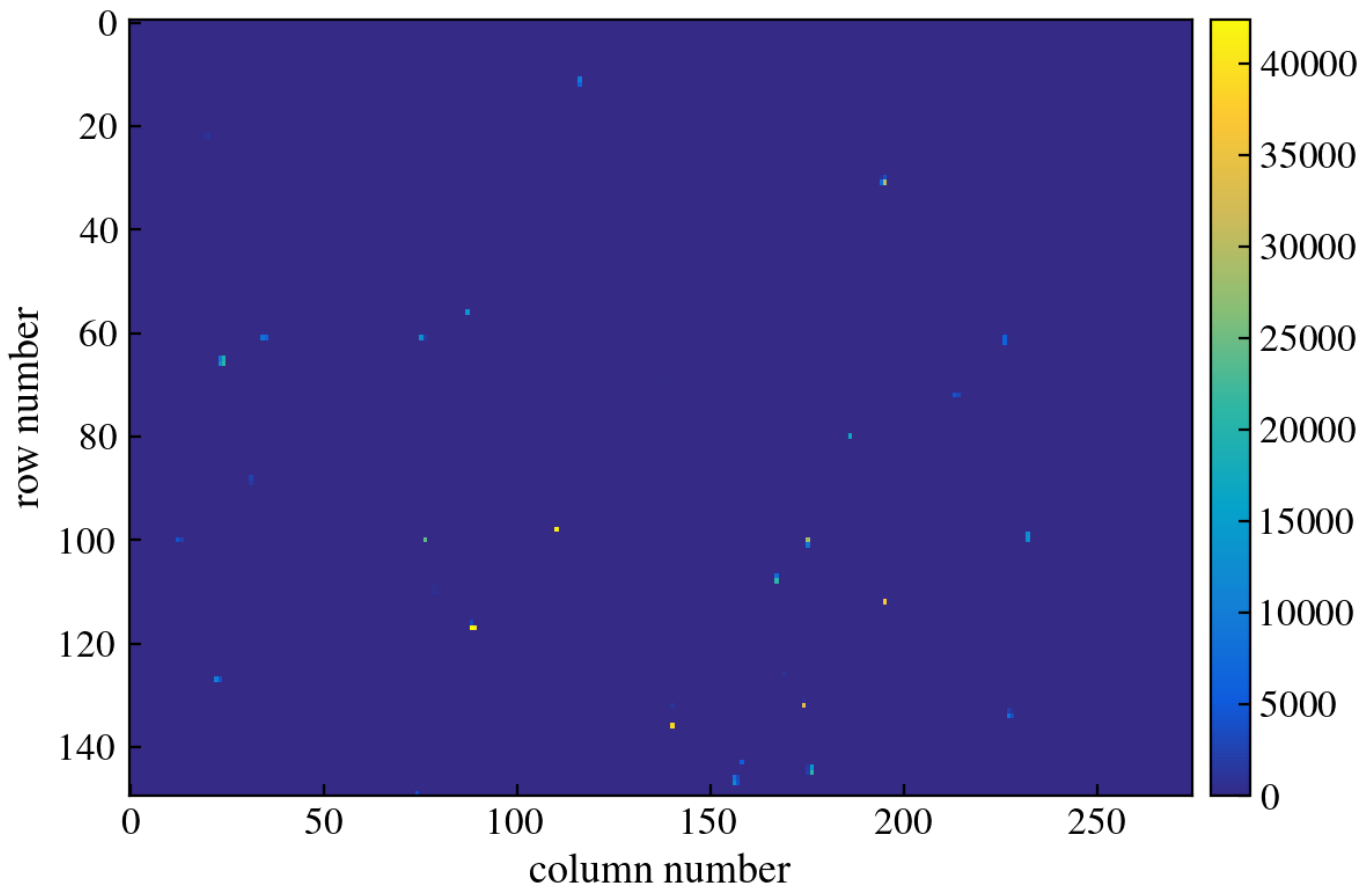


Figure 78: CCD Image

CCD Image: run 454, image 140  
[class MECCDImage]

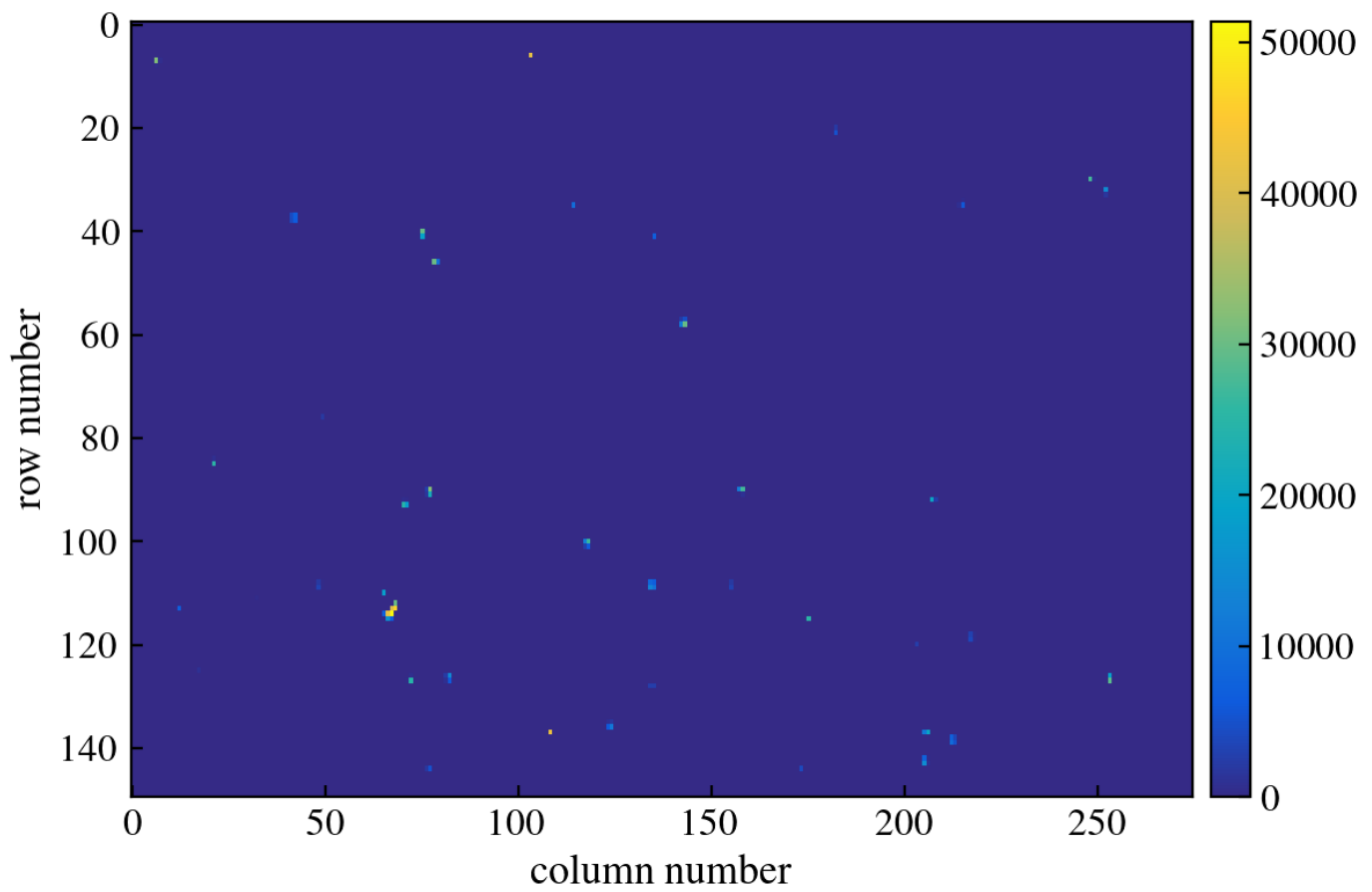


Figure 79: CCD Image



CCD Image: run 454, image 141  
[class MECCDImage]

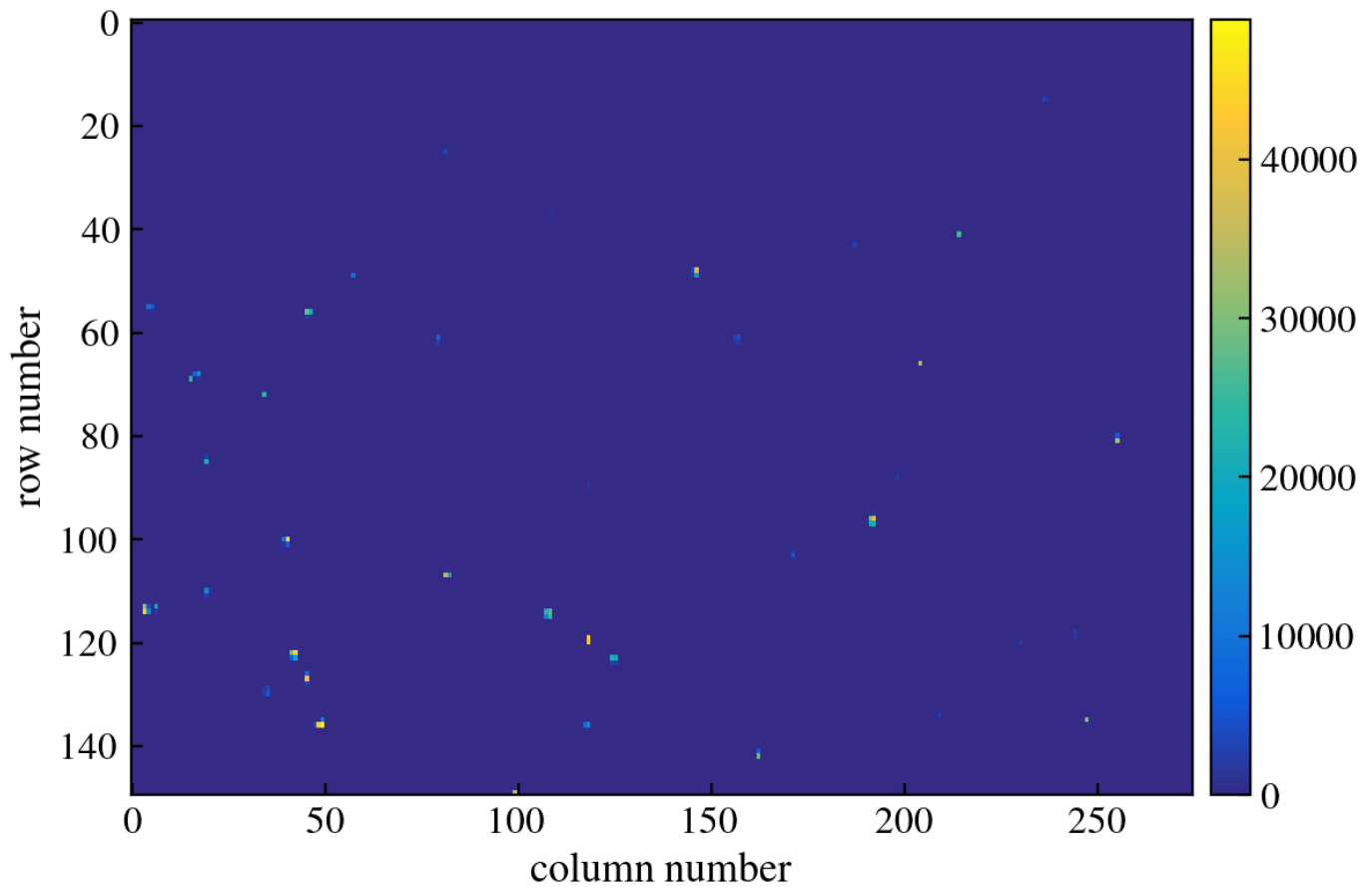


Figure 80: CCD Image

CCD Image: run 454, image 142  
[class MECCDImage]

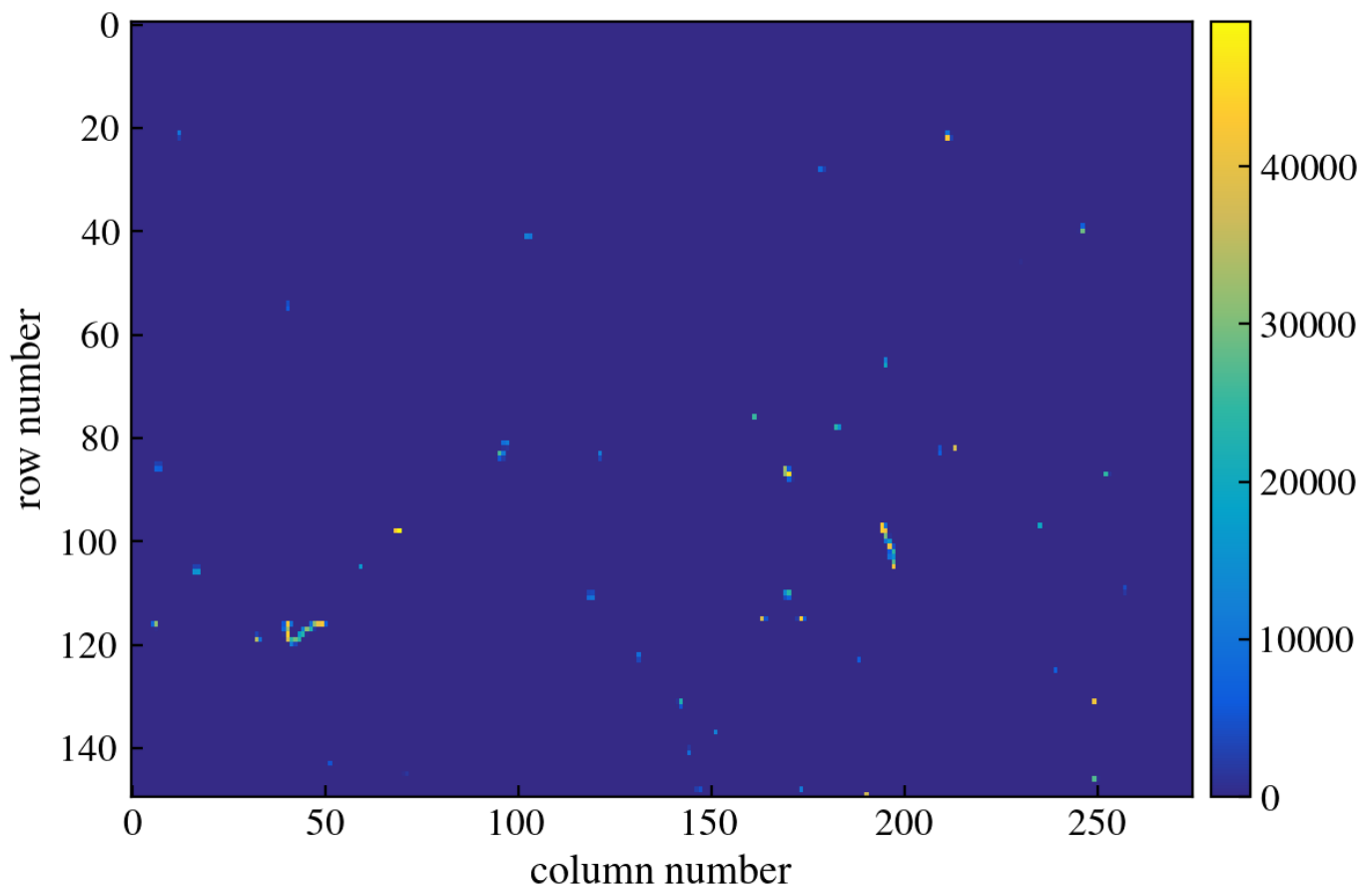


Figure 81: CCD Image

CCD Image: run 454, image 143  
[class MECCDImage]

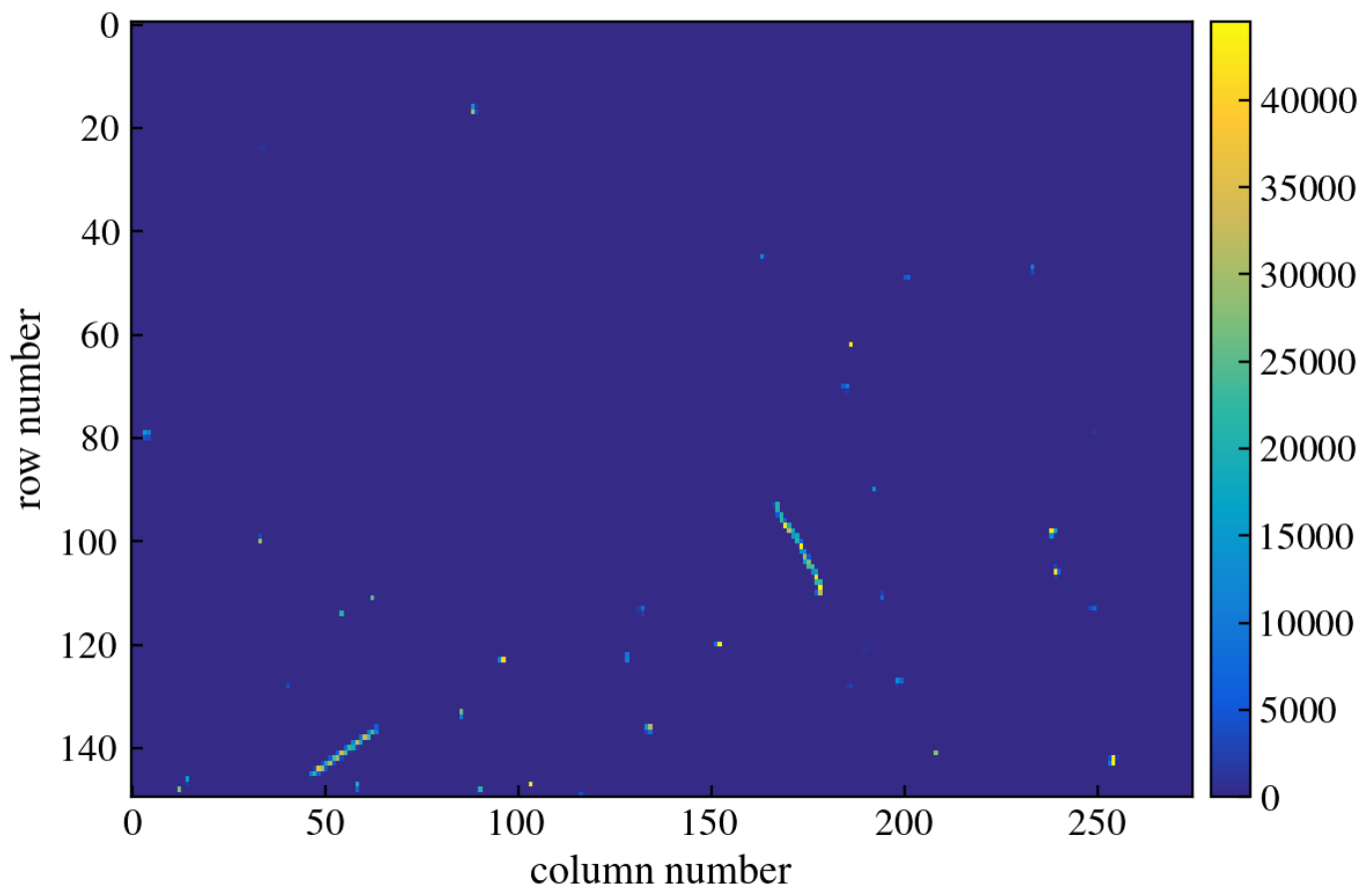


Figure 82: CCD Image

CCD Image: run 454, image 144  
[class MECCDImage]

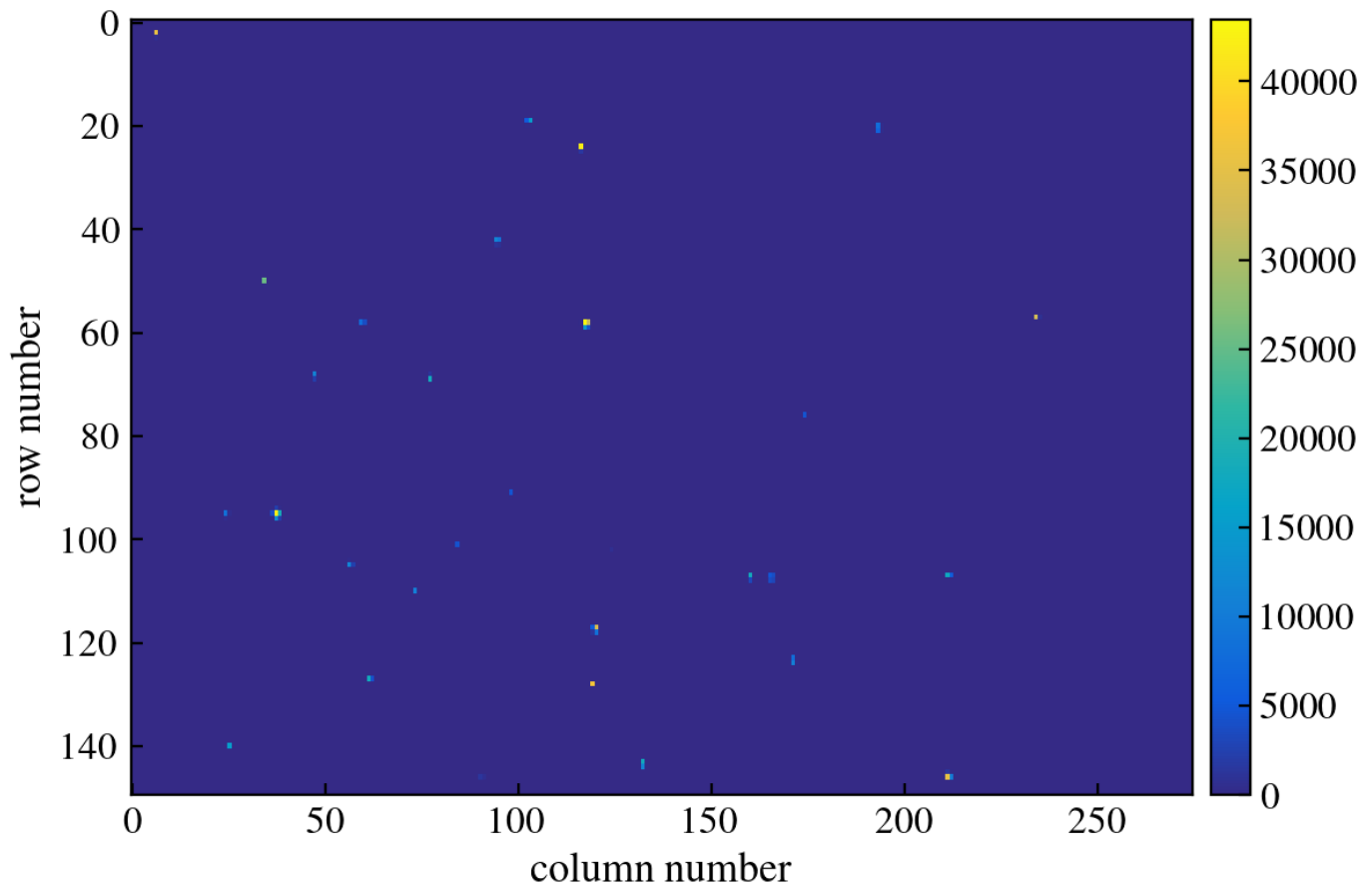


Figure 83: CCD Image

CCD Image: run 454, image 145  
[class MECCDImage]

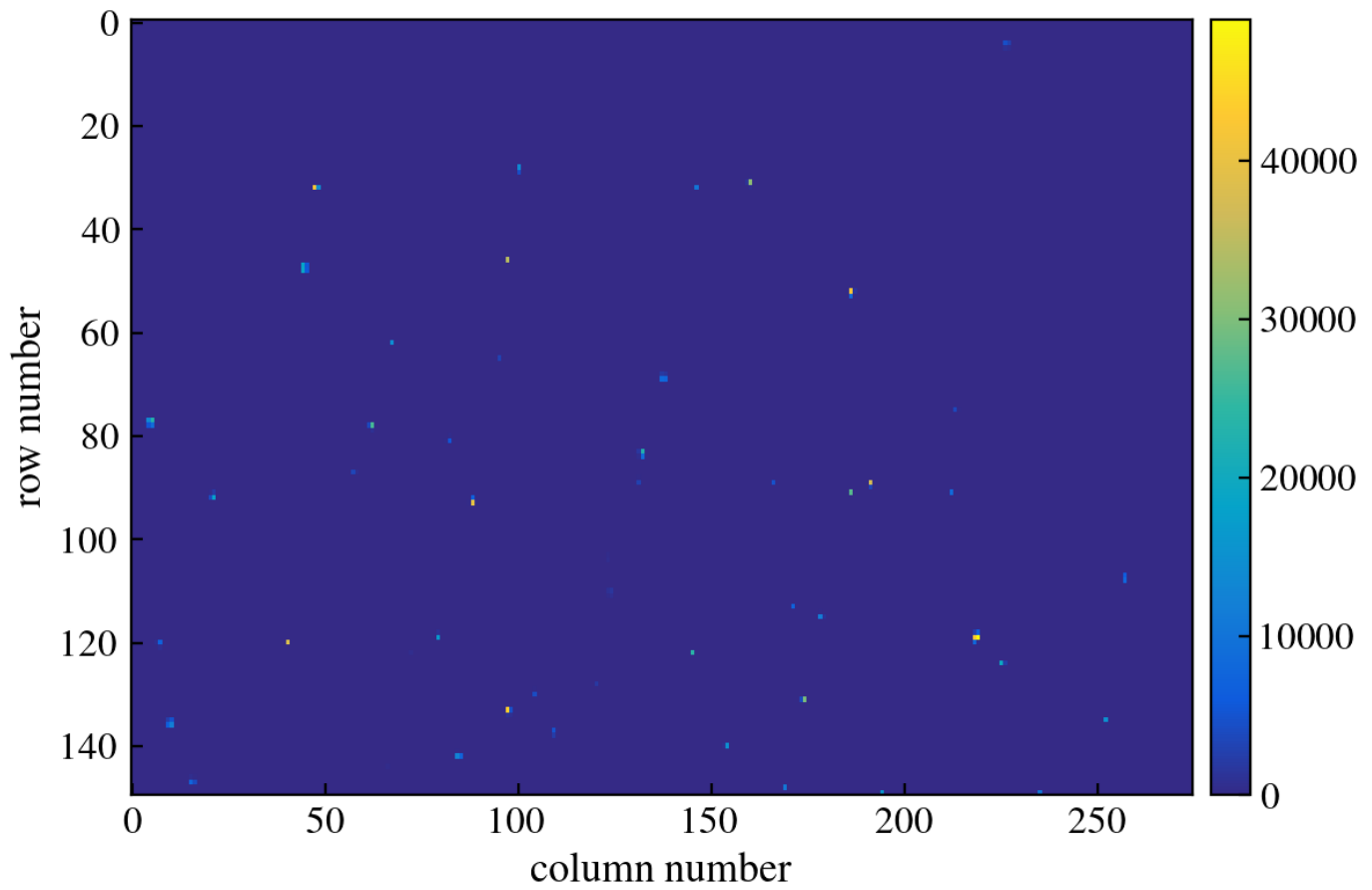


Figure 84: CCD Image

CCD Image: run 454, image 146  
[class MECCDImage]

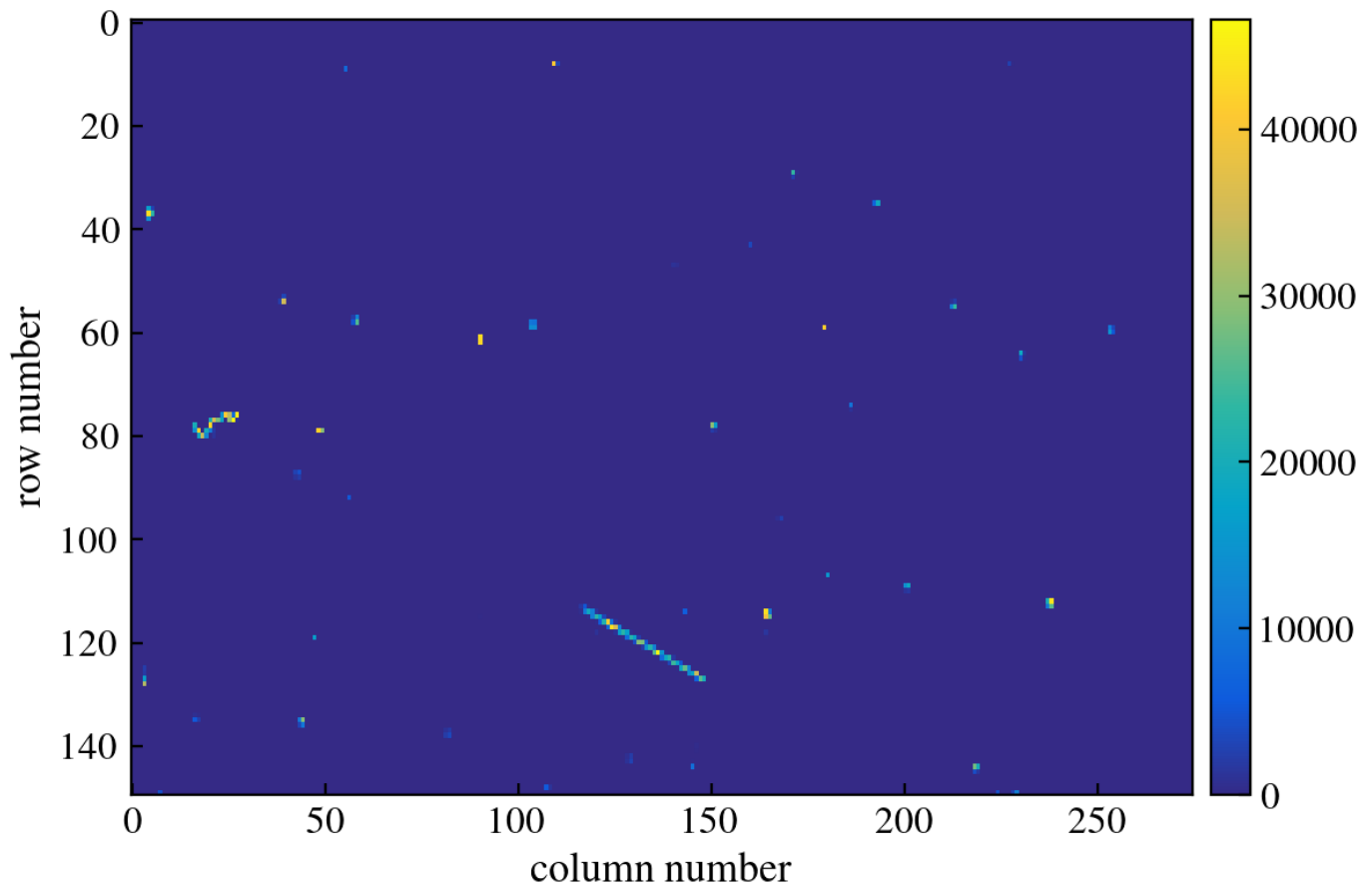


Figure 85: CCD Image

CCD Image: run 454, image 147  
[class MECCDImage]

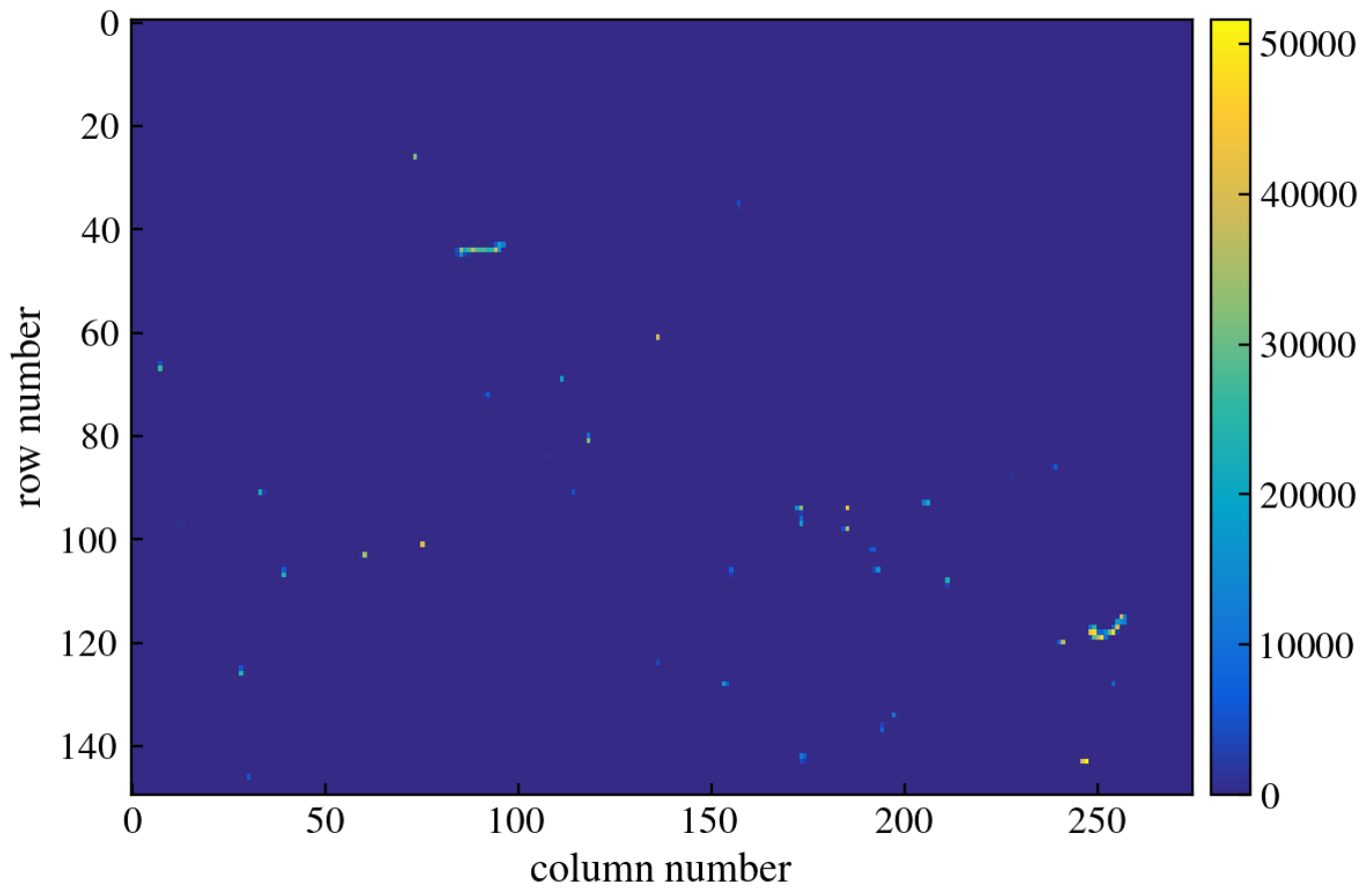


Figure 86: CCD Image

CCD Image: run 454, image 148  
[class MECCDImage]

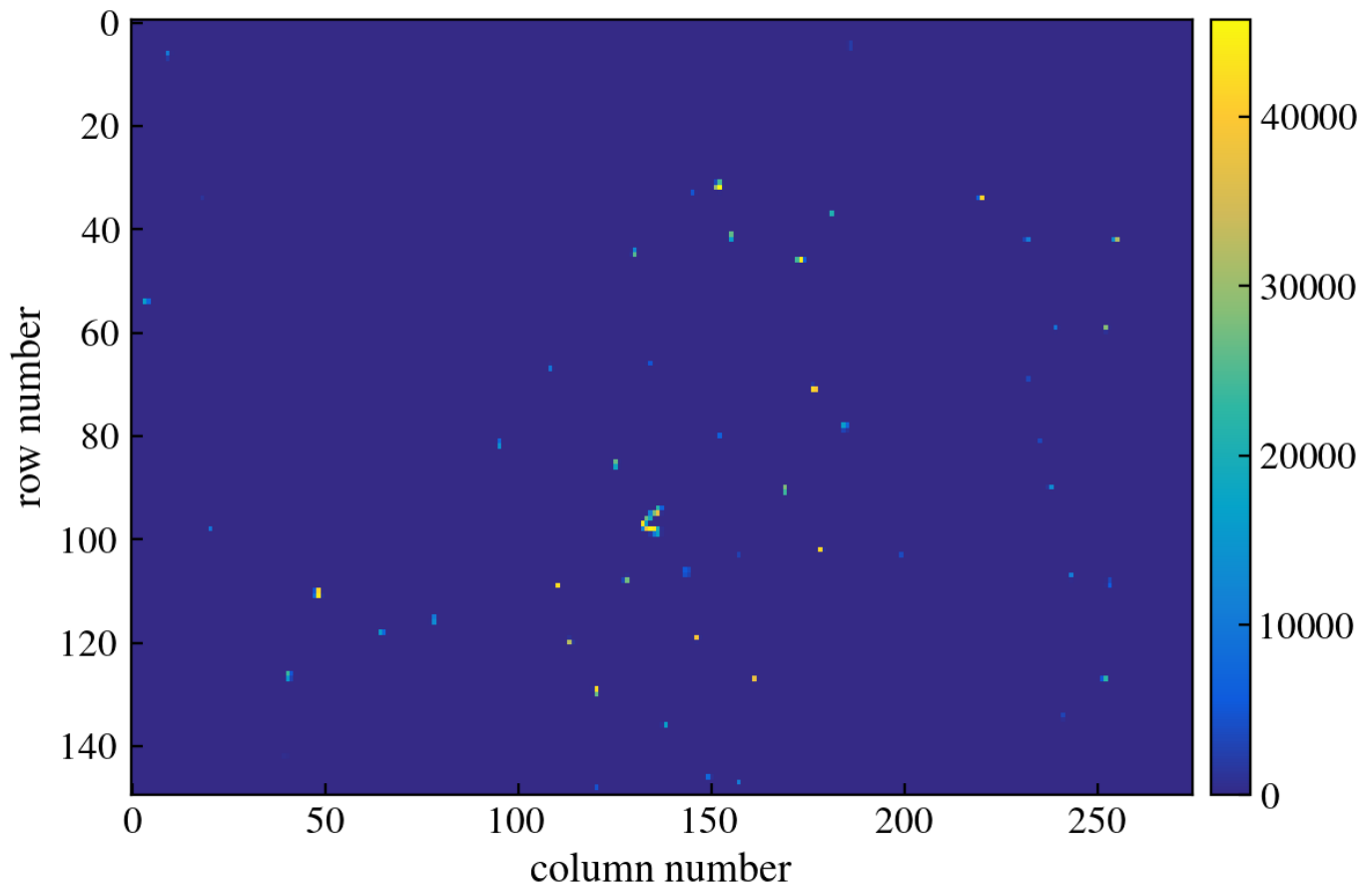


Figure 87: CCD Image



CCD Image: run 454, image 149  
[class MECCDImage]

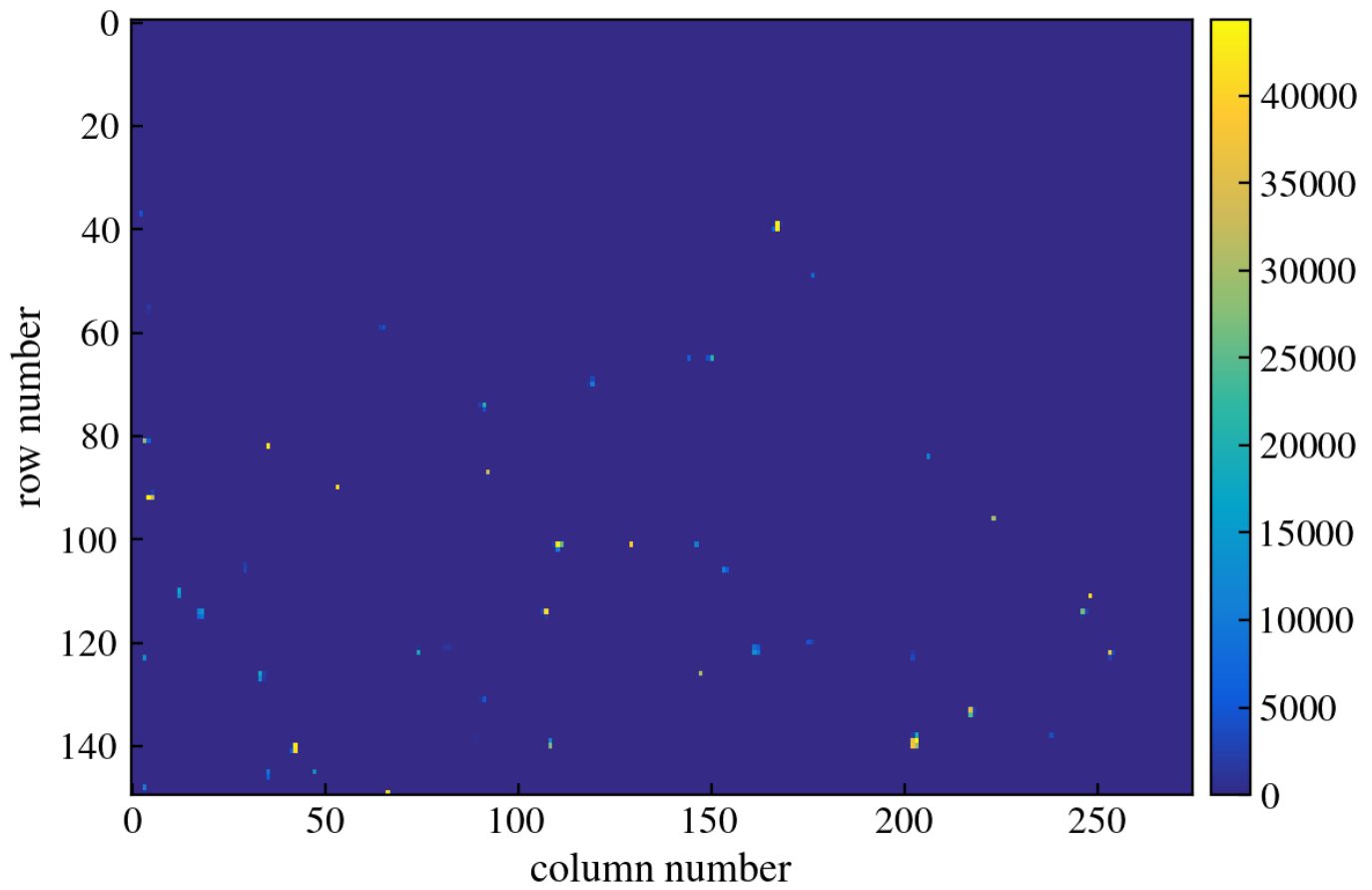


Figure 88: CCD Image

CCD Image: run 454, image 15  
[class MECCDImage]

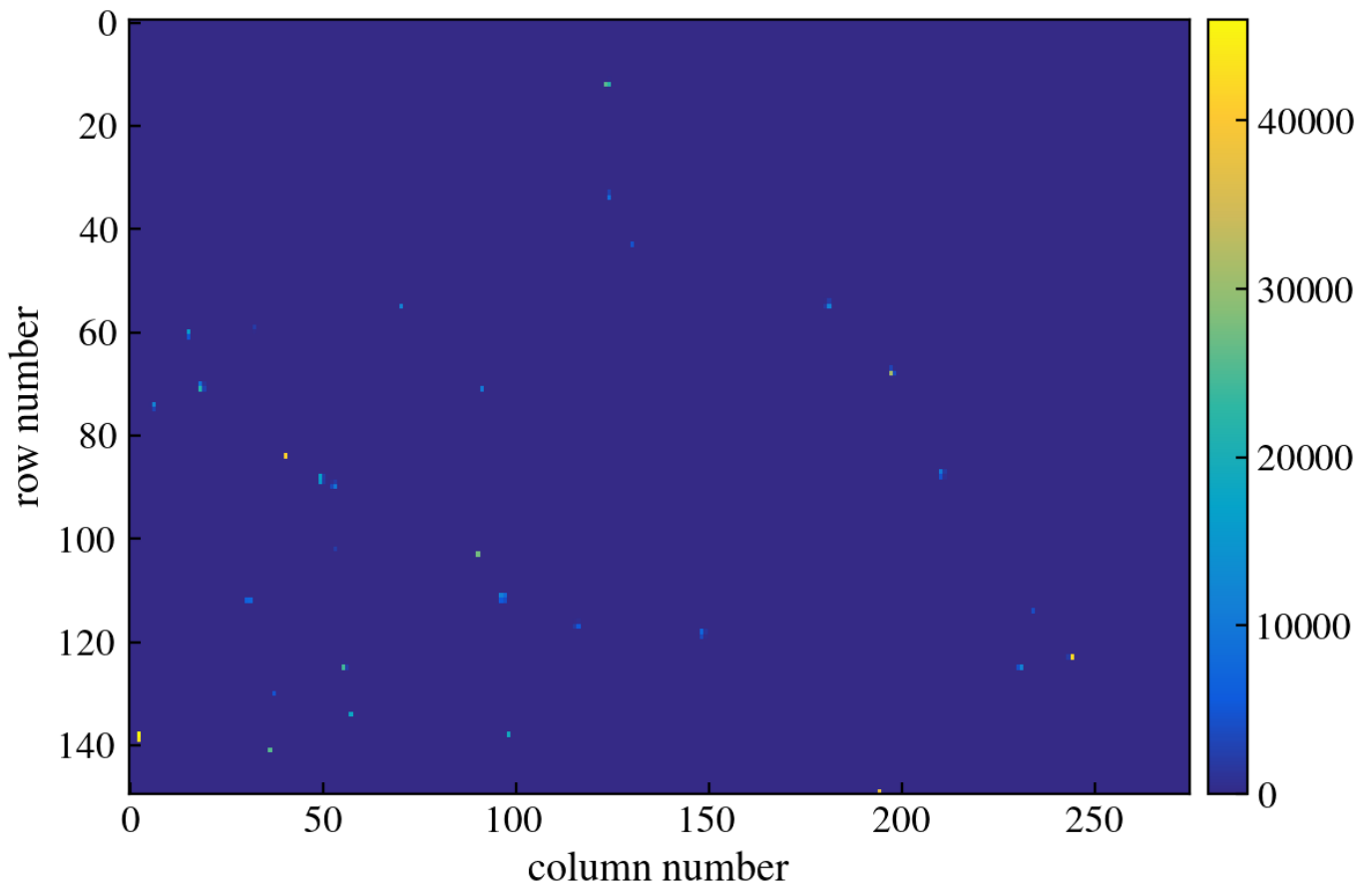


Figure 89: CCD Image

CCD Image: run 454, image 150  
[class MECCDImage]

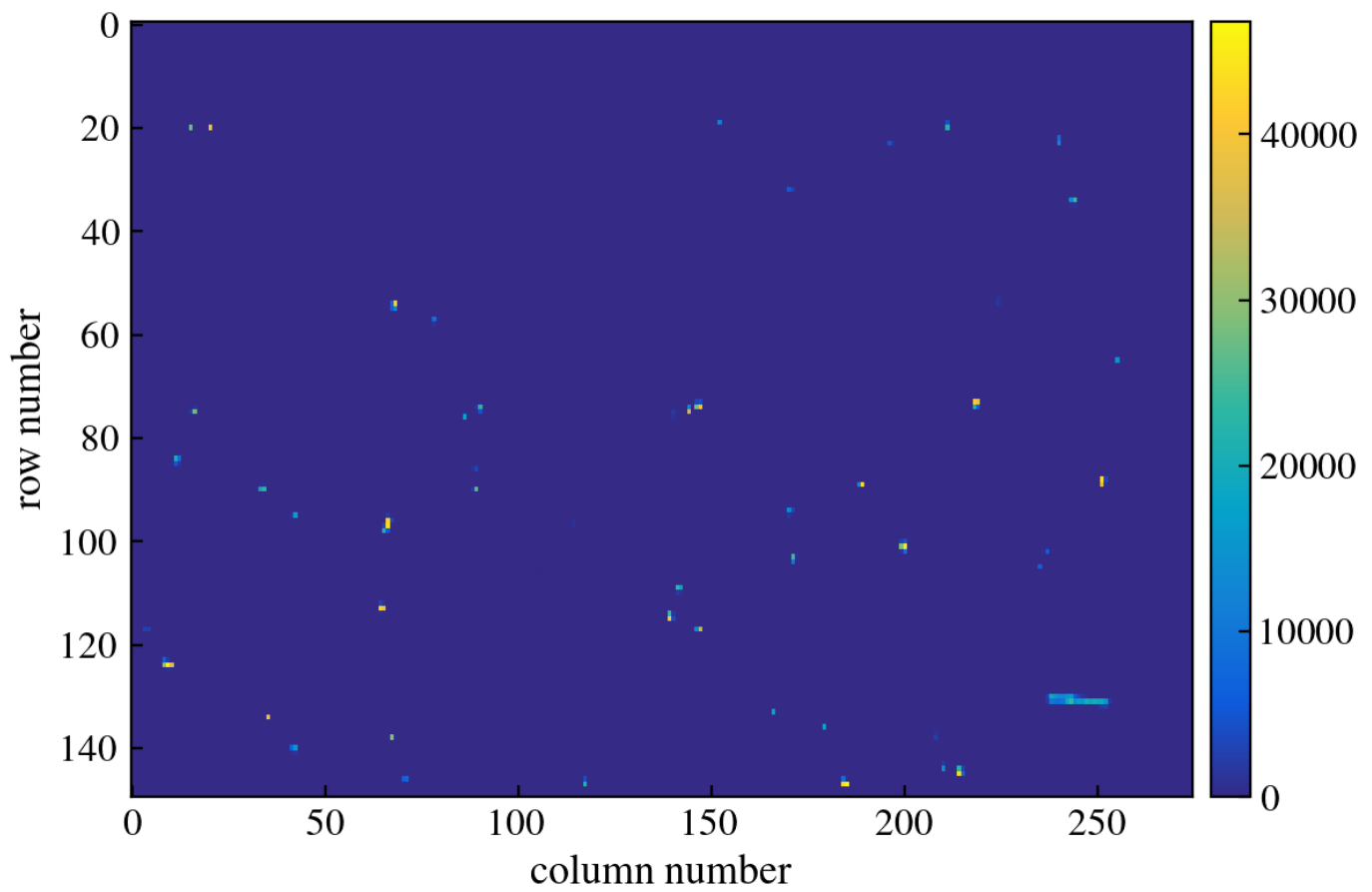


Figure 90: CCD Image

CCD Image: run 454, image 151  
[class MECCDImage]

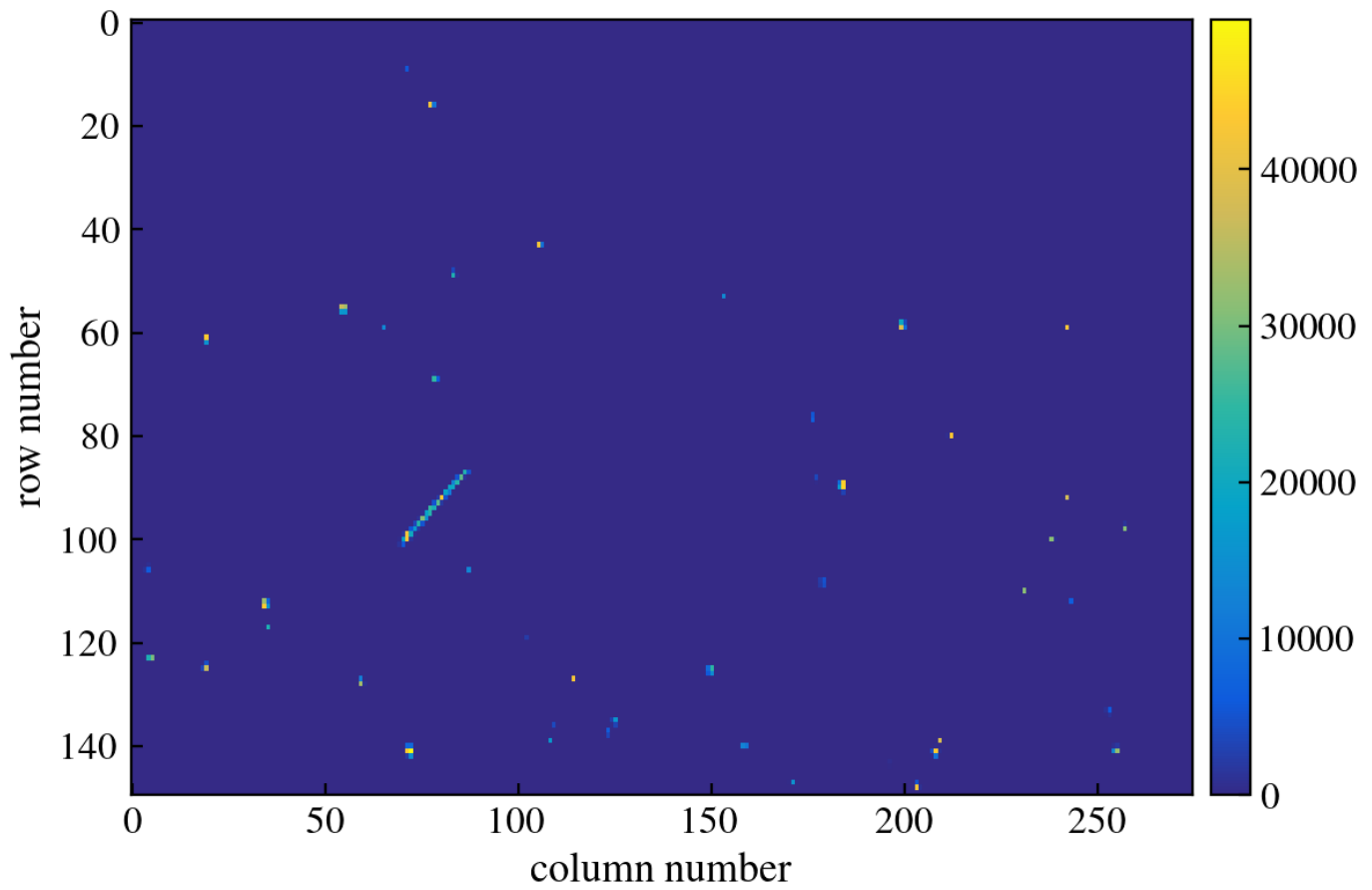


Figure 91: CCD Image

CCD Image: run 454, image 152  
[class MECCDImage]

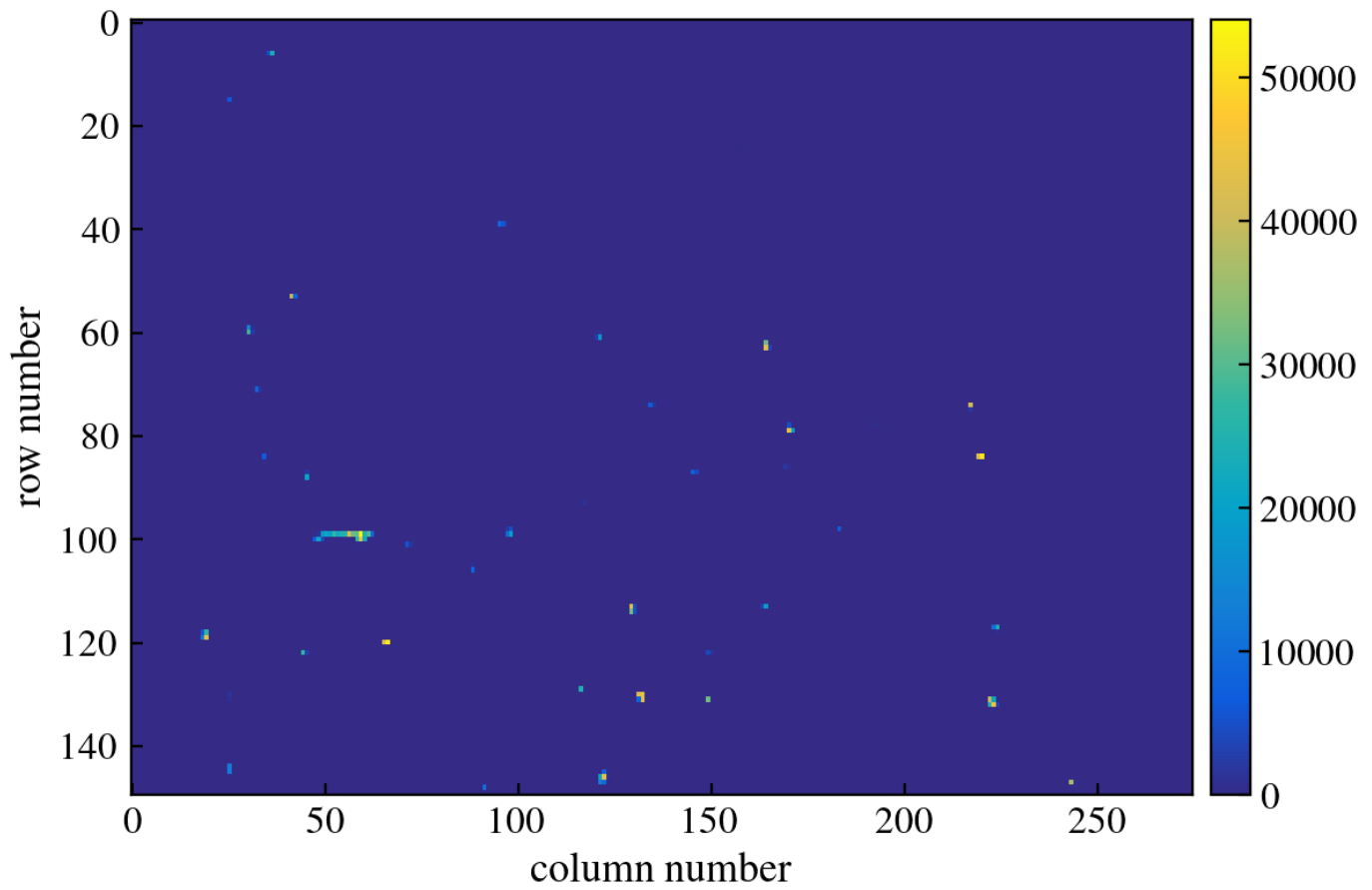


Figure 92: CCD Image

CCD Image: run 454, image 153  
[class MECCDImage]

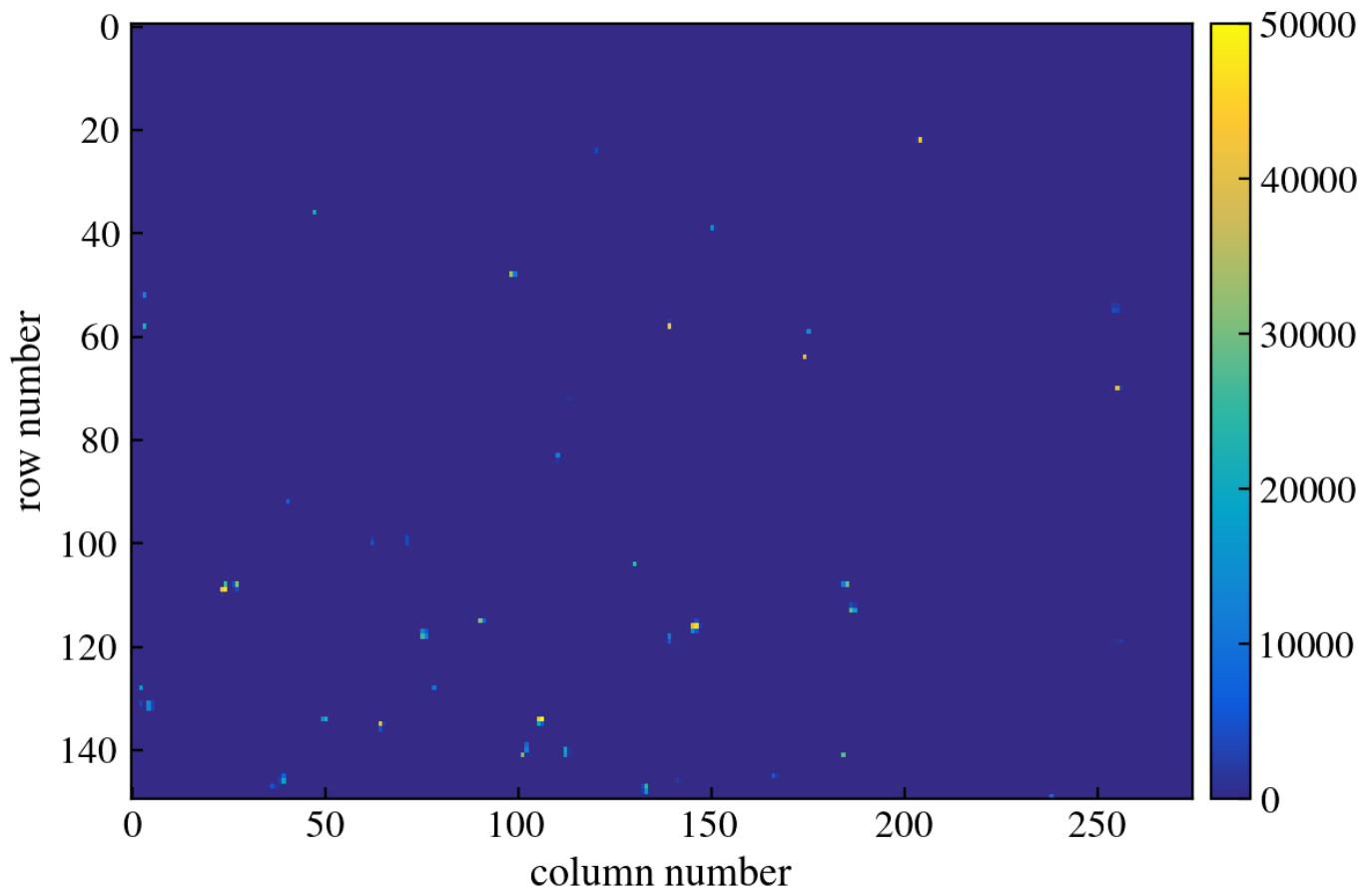


Figure 93: CCD Image

CCD Image: run 454, image 154  
[class MECCDImage]

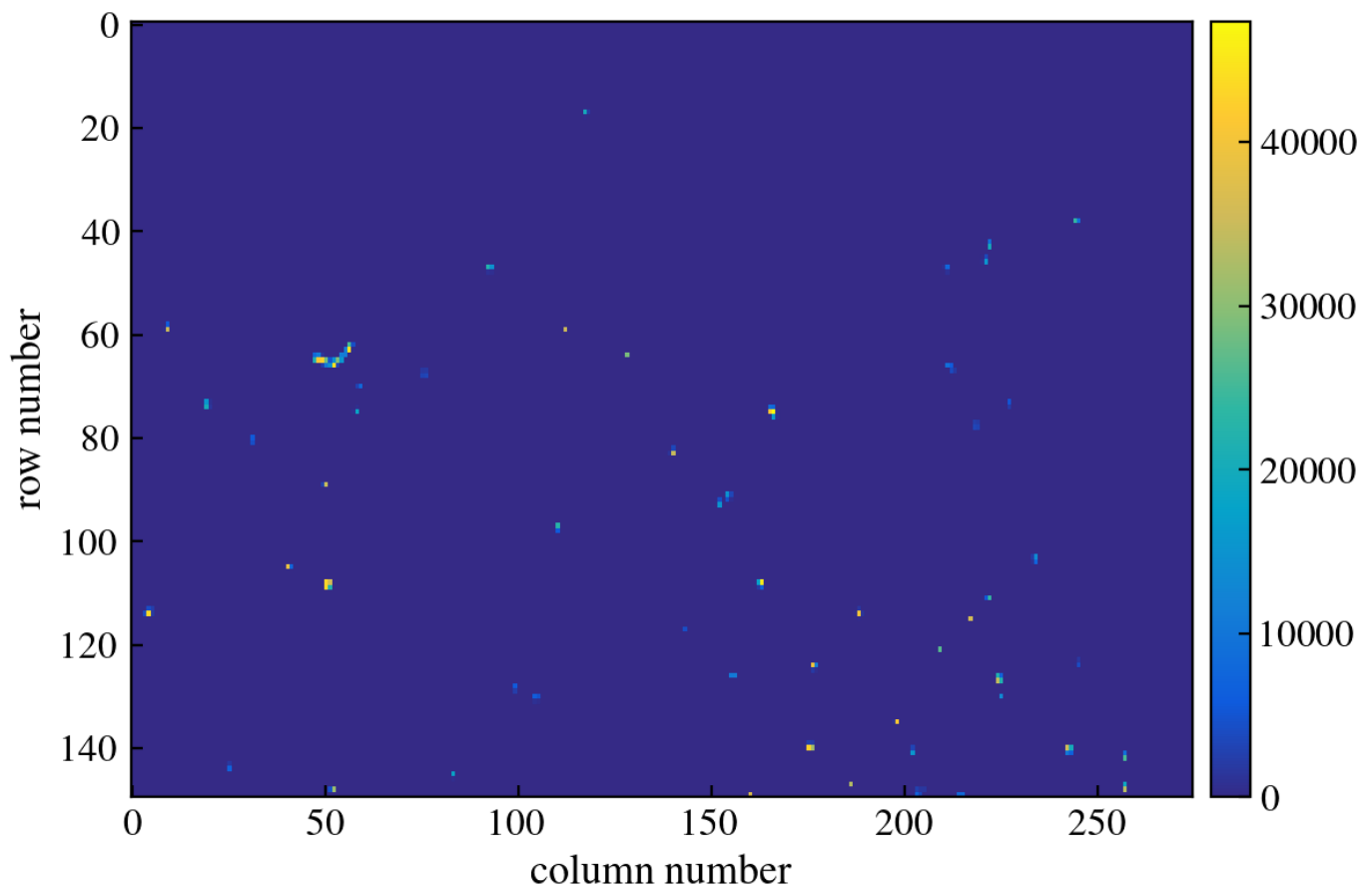


Figure 94: CCD Image

CCD Image: run 454, image 155  
[class MECCDImage]

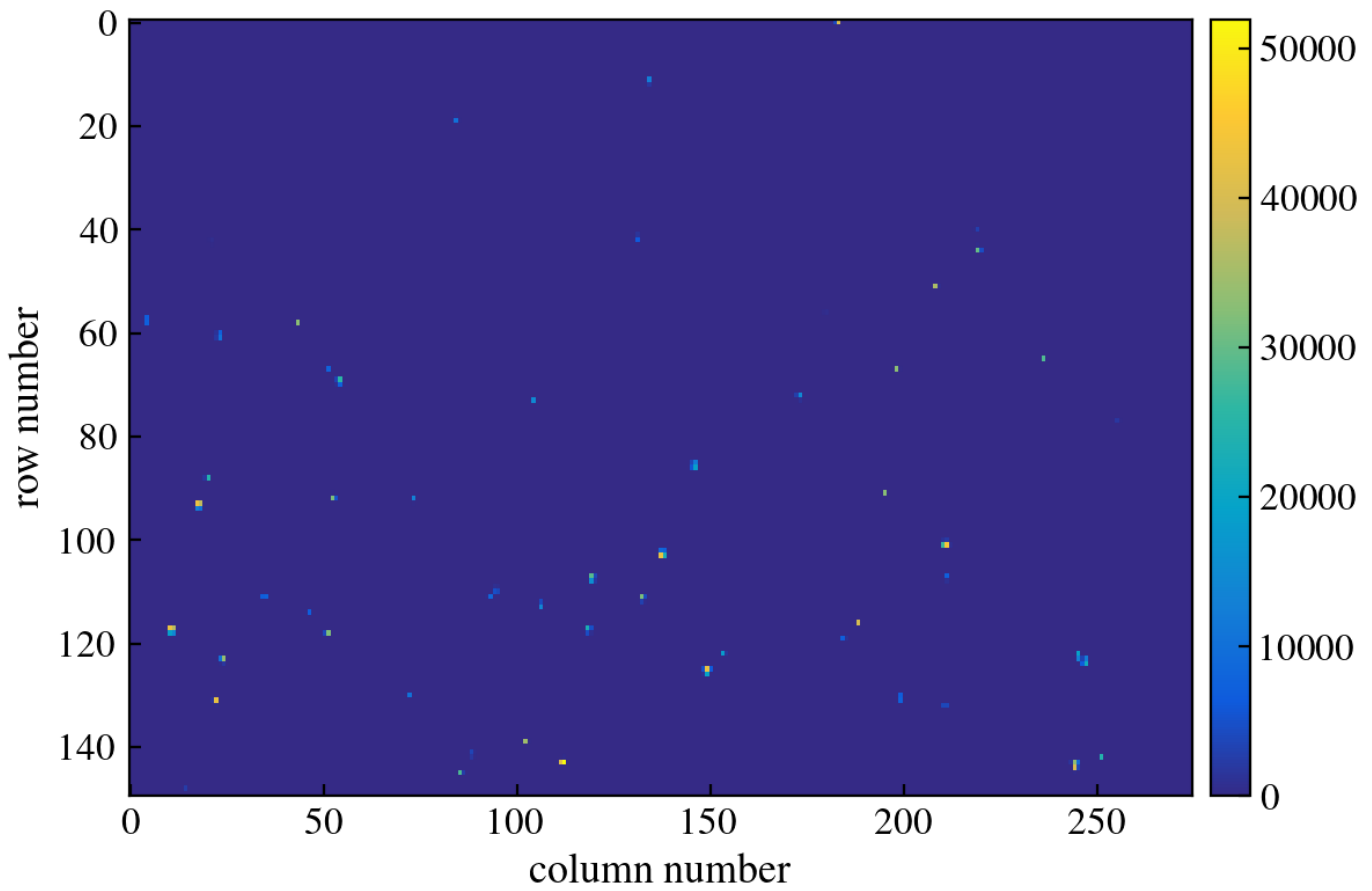


Figure 95: CCD Image



CCD Image: run 454, image 156  
[class MECCDImage]

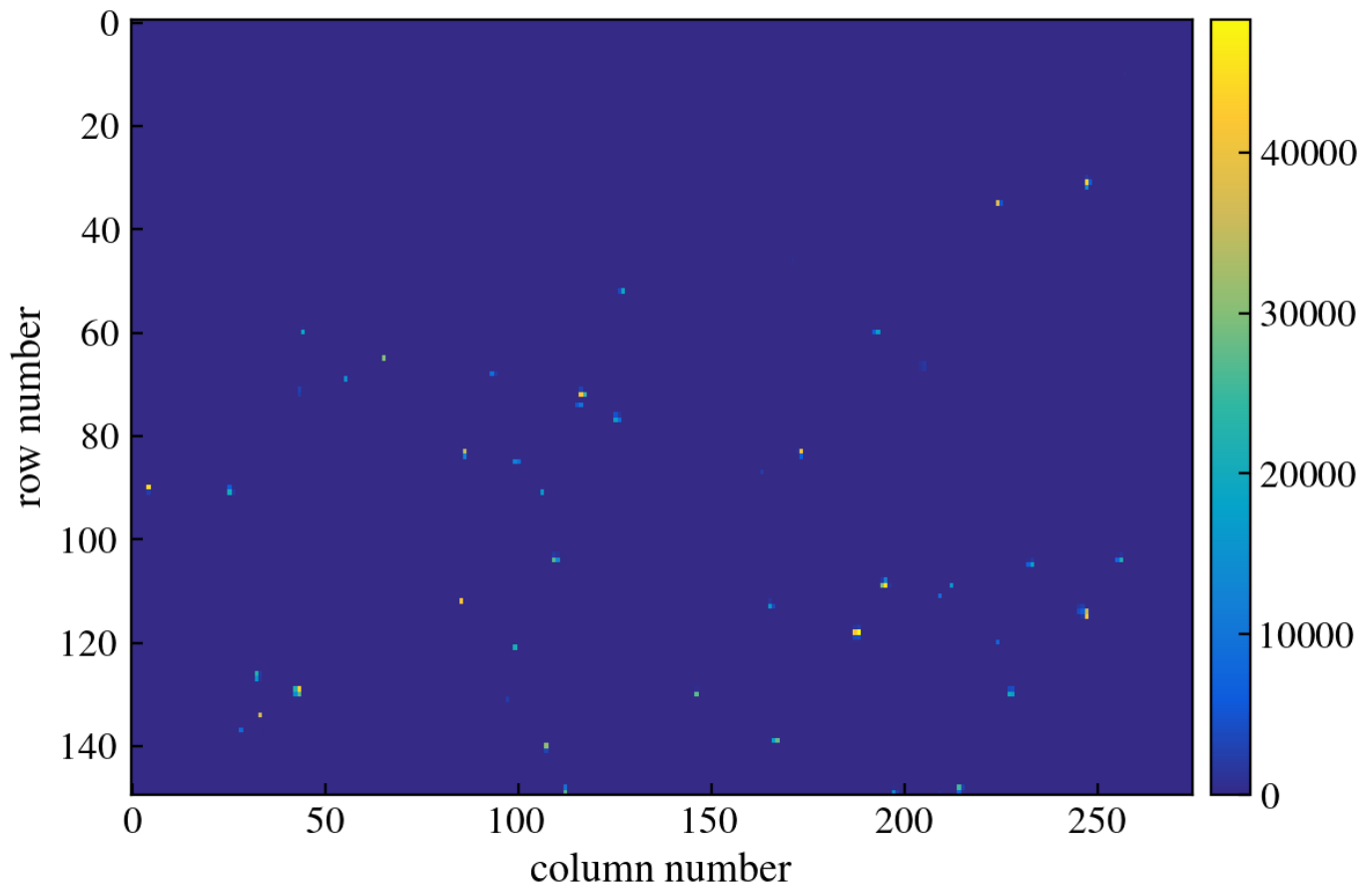


Figure 96: CCD Image

CCD Image: run 454, image 157  
[class MECCDImage]

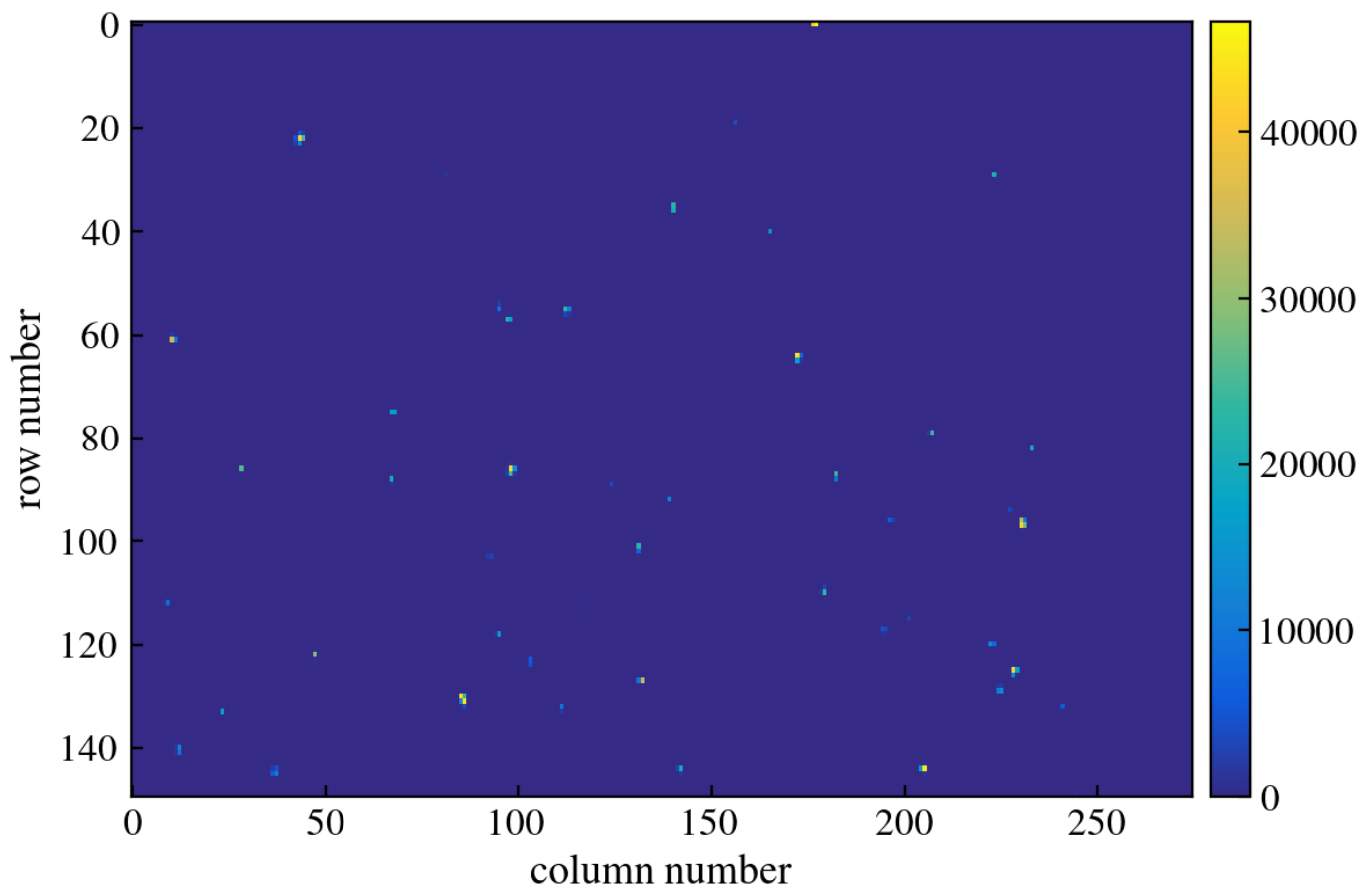


Figure 97: CCD Image

CCD Image: run 454, image 158  
[class MECCDImage]

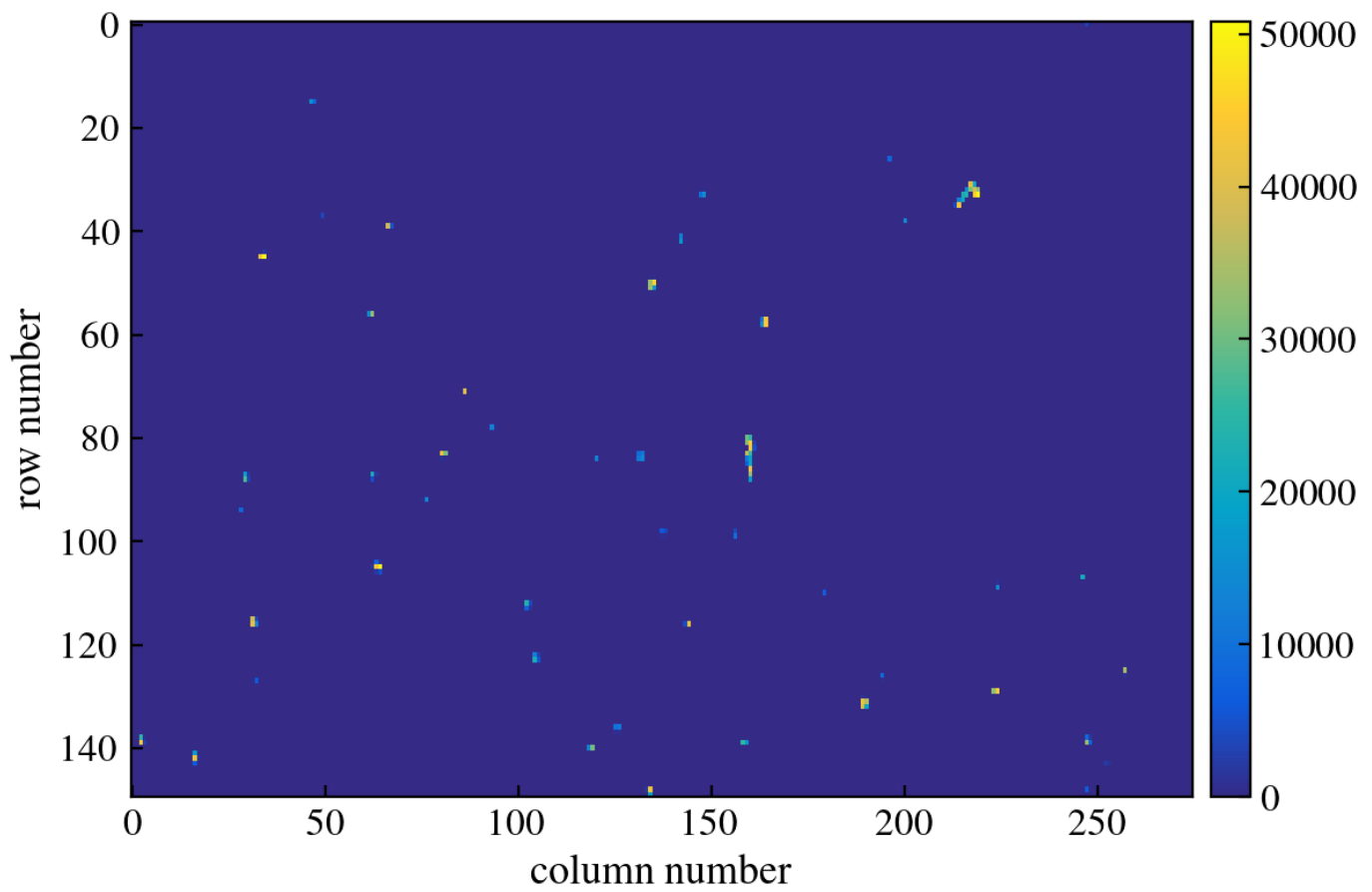


Figure 98: CCD Image

CCD Image: run 454, image 159  
[class MECCDImage]

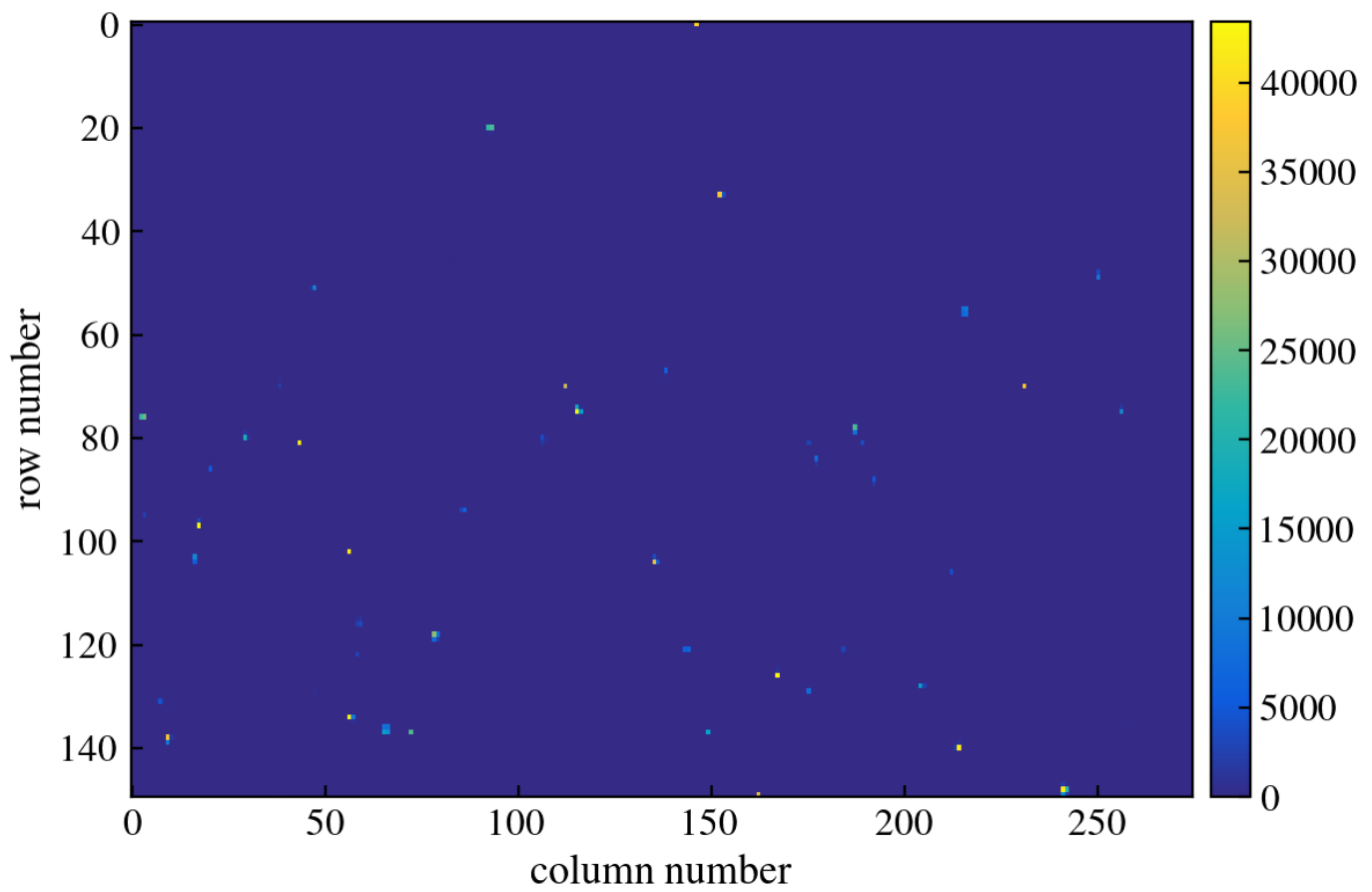


Figure 99: CCD Image

CCD Image: run 454, image 16  
[class MECCDImage]

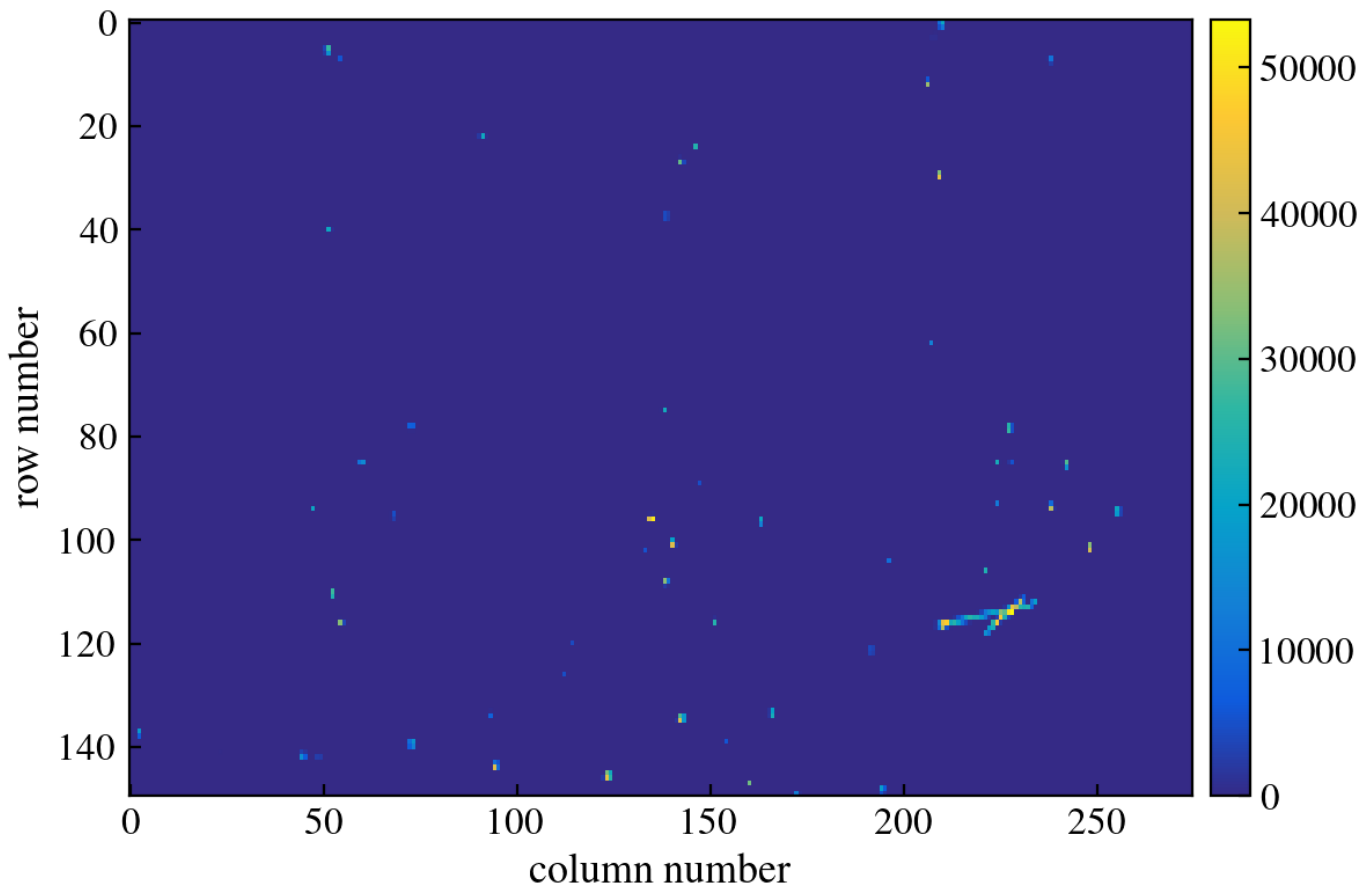


Figure 100: CCD Image

CCD Image: run 454, image 160  
[class MECCDImage]

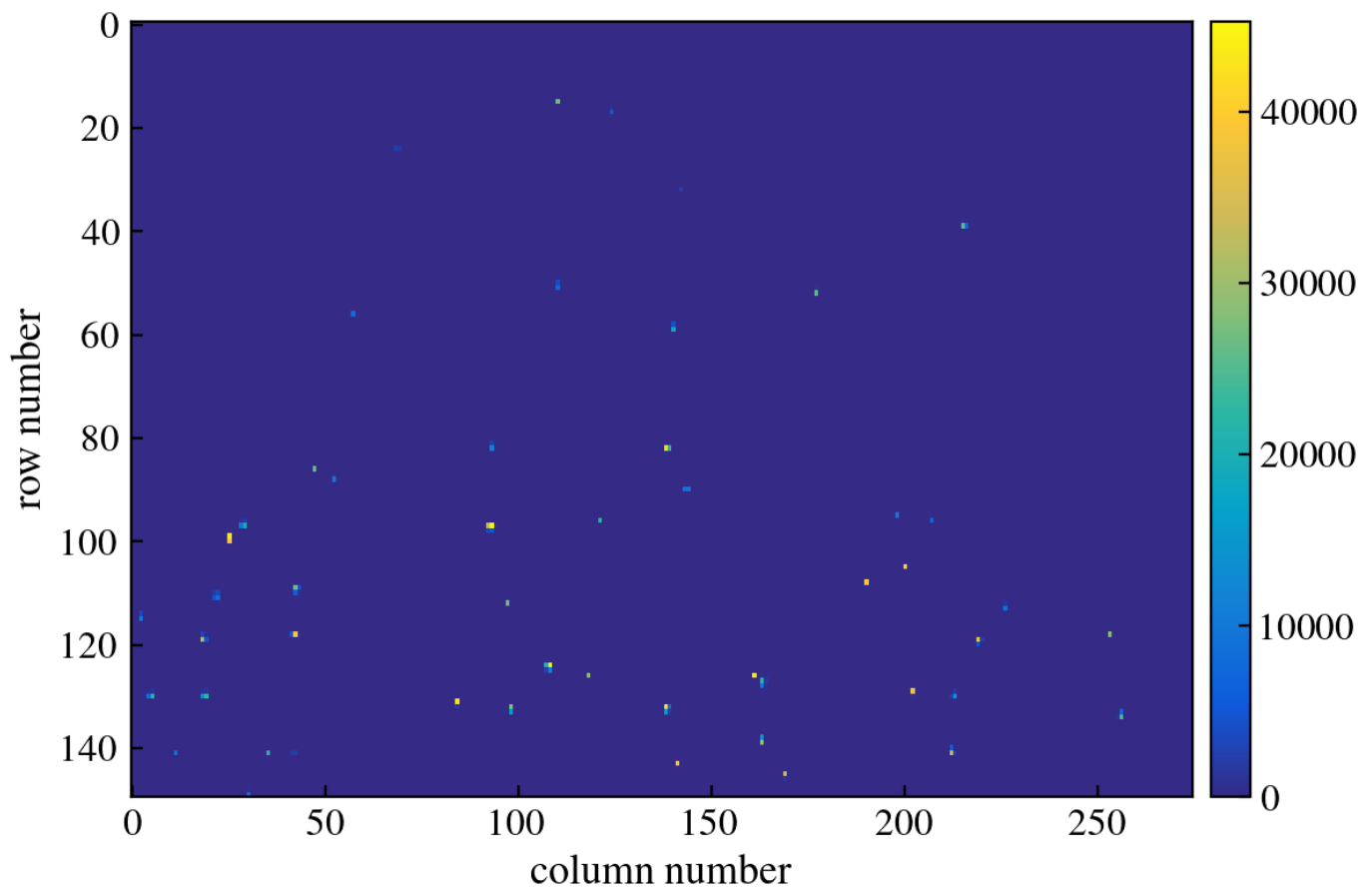


Figure 101: CCD Image

CCD Image: run 454, image 161  
[class MECCDImage]

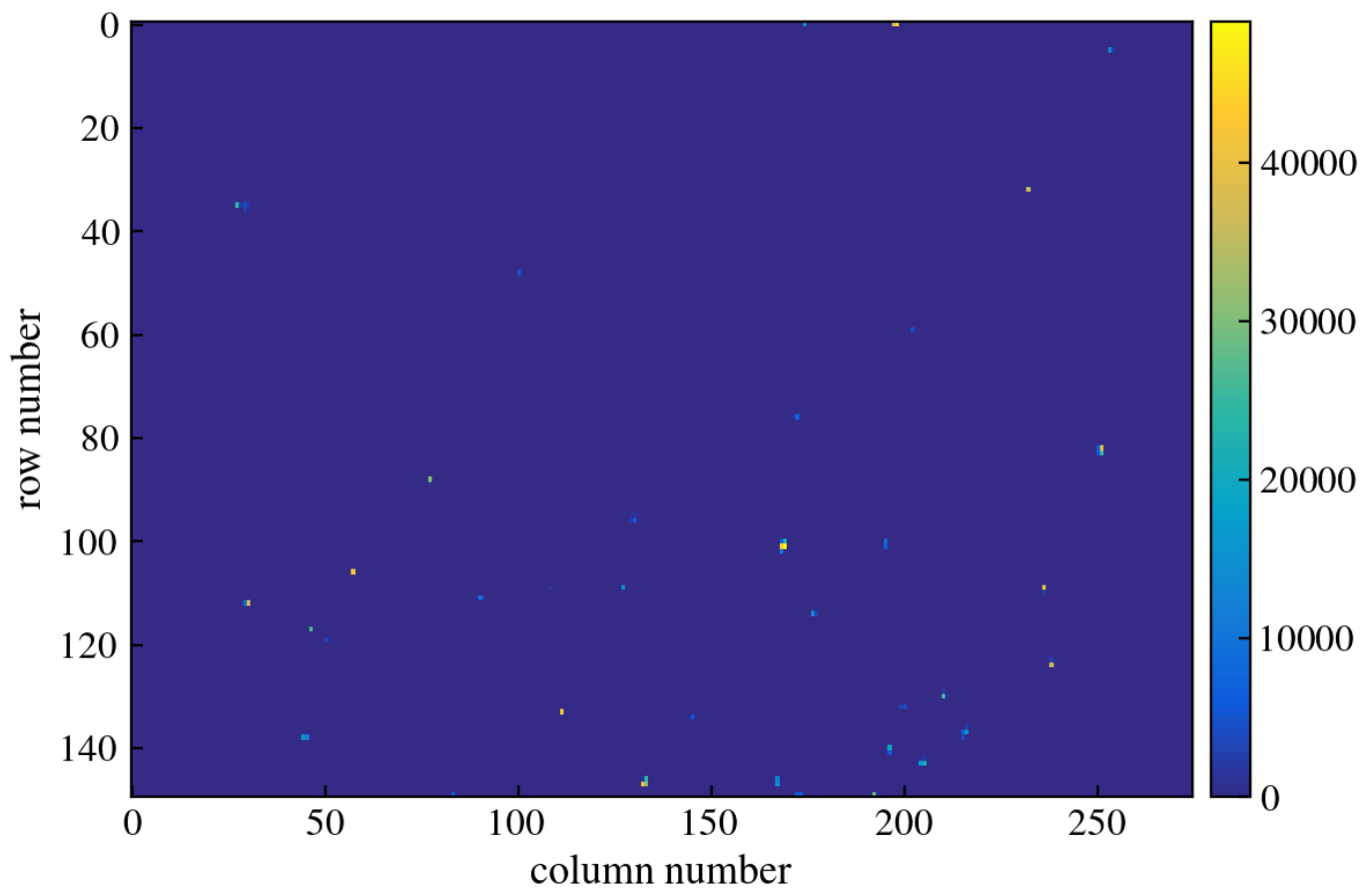


Figure 102: CCD Image

CCD Image: run 454, image 162  
[class MECCDImage]

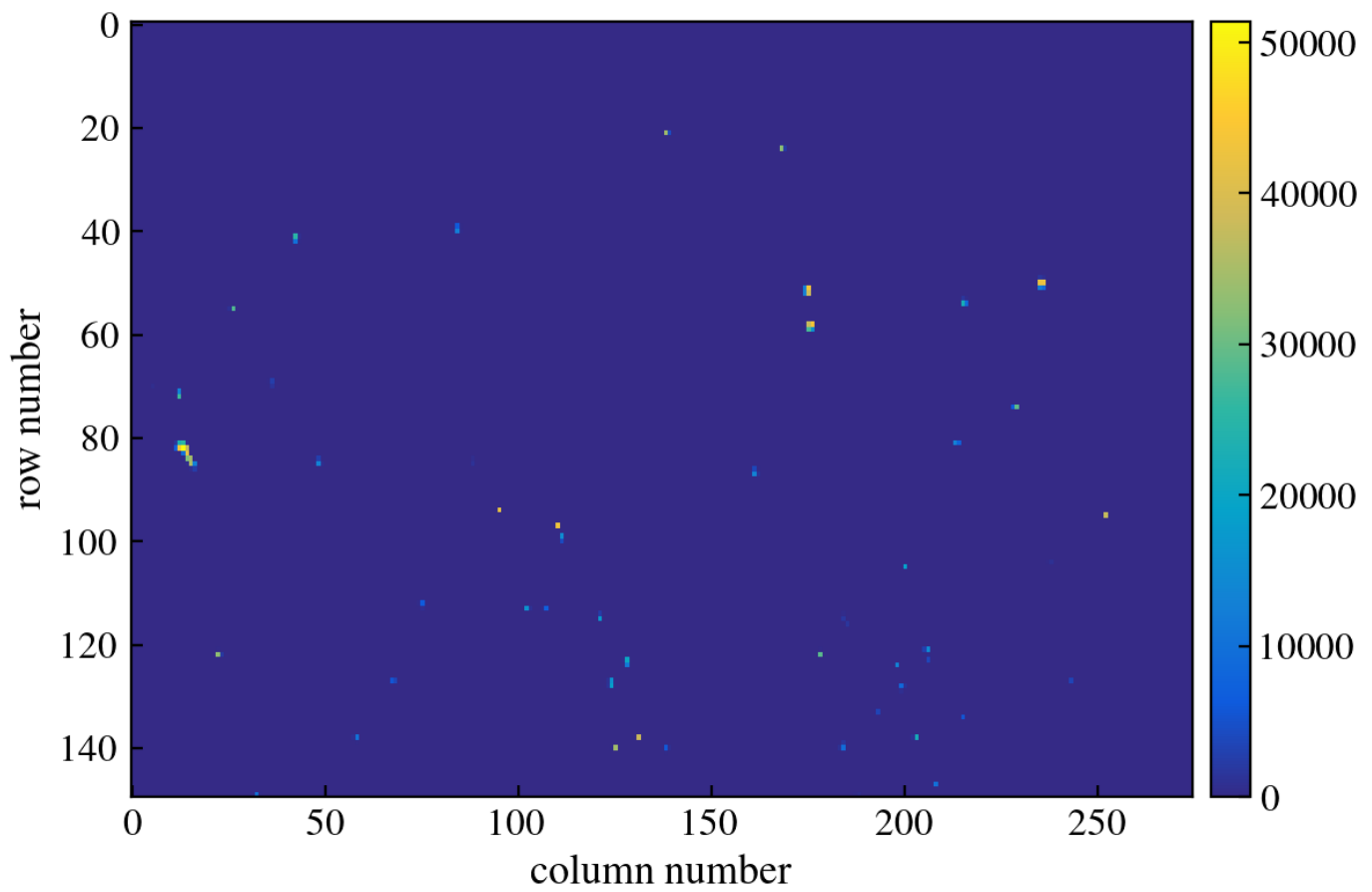


Figure 103: CCD Image



CCD Image: run 454, image 163  
[class MECCDImage]

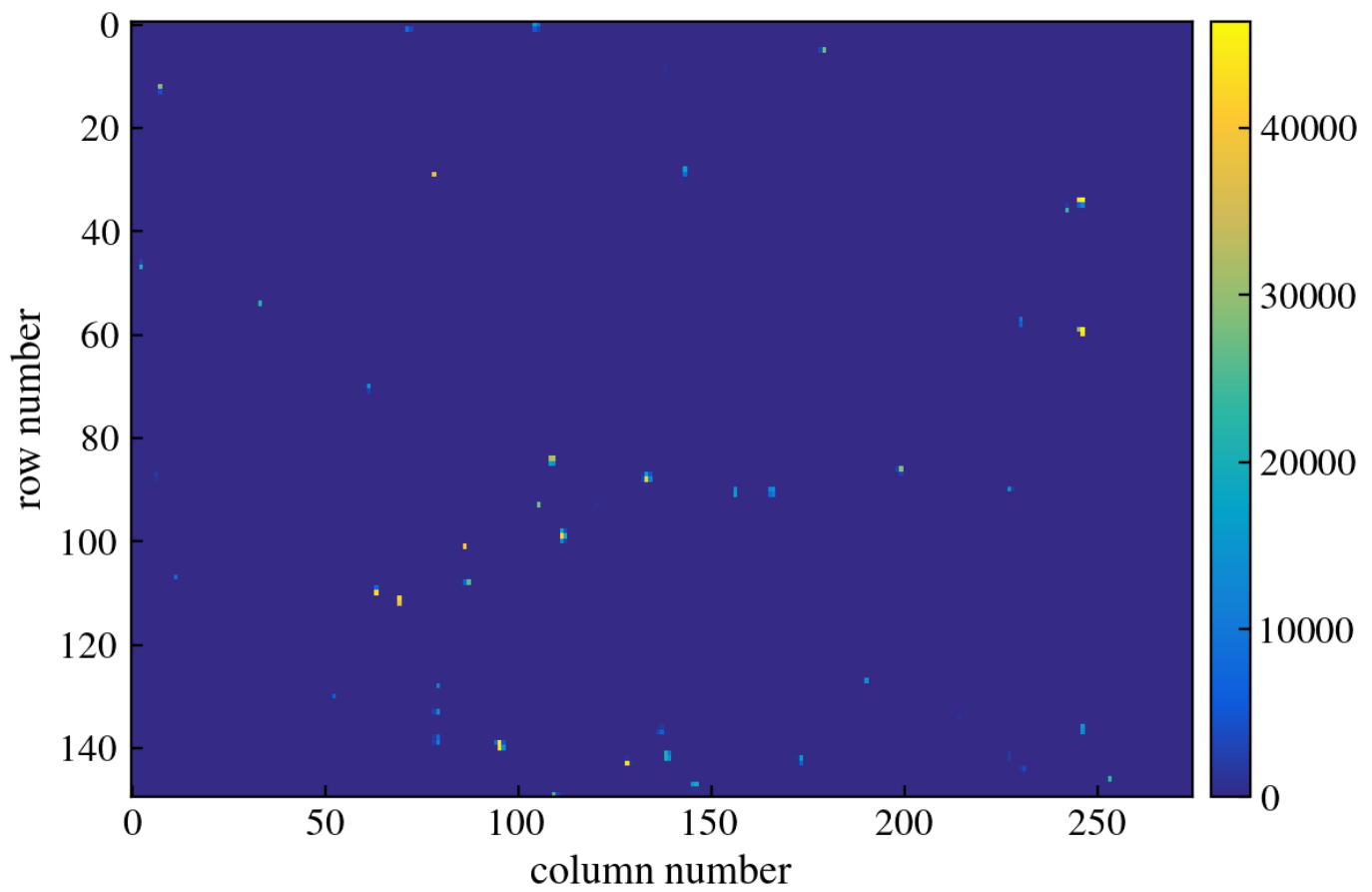


Figure 104: CCD Image

CCD Image: run 454, image 164  
[class MECCDImage]

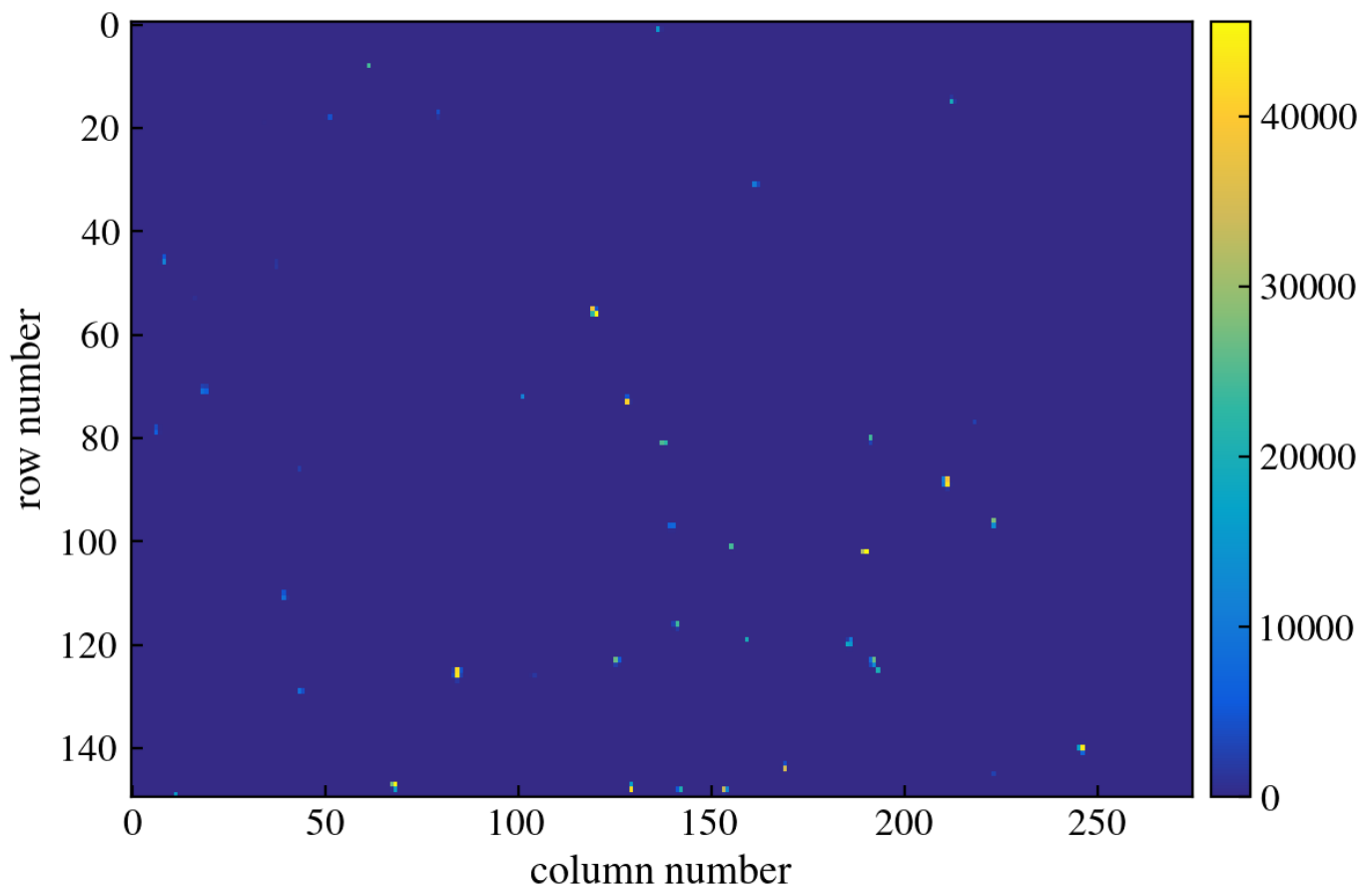


Figure 105: CCD Image

CCD Image: run 454, image 165  
[class MECCDImage]

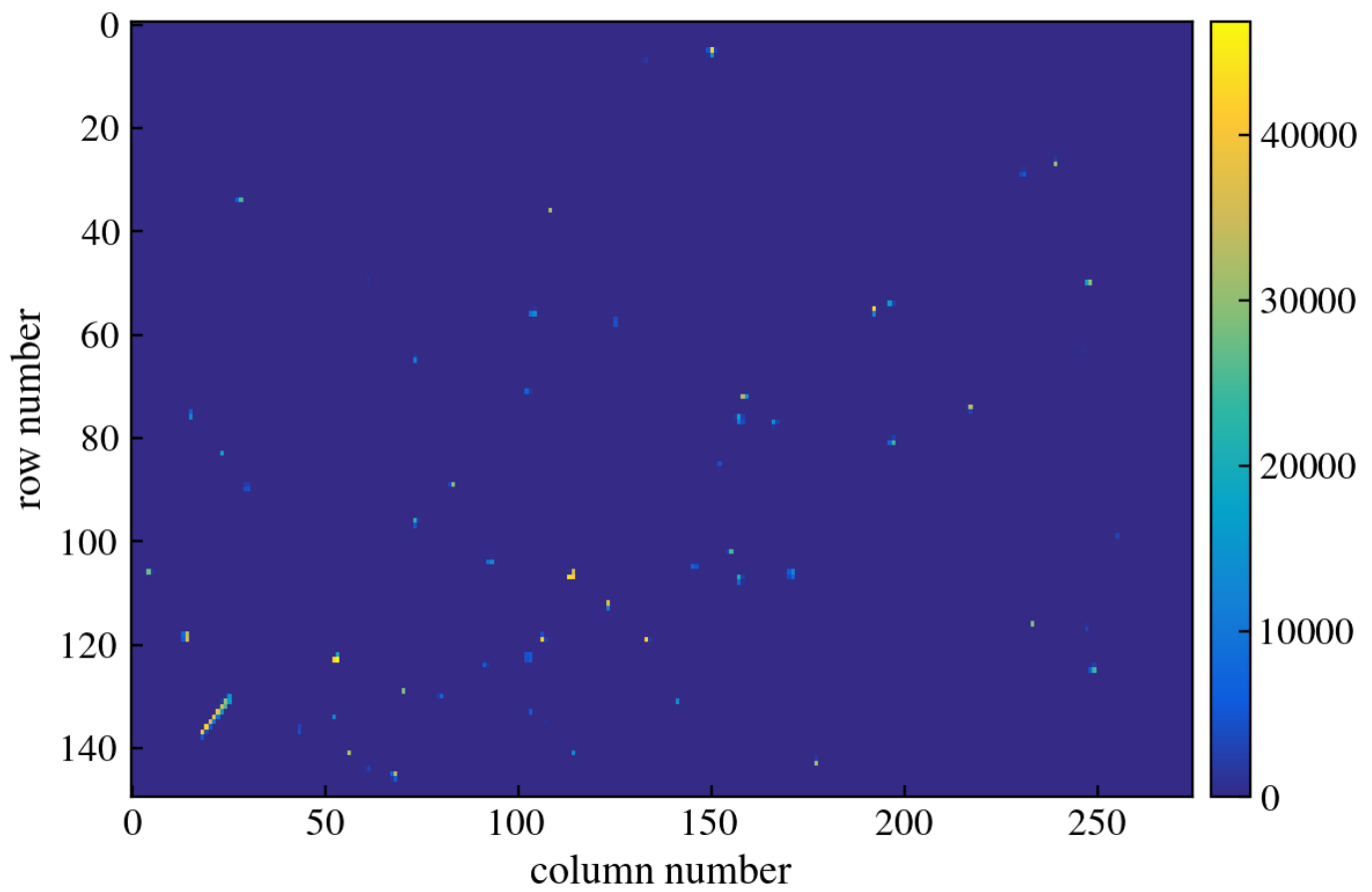


Figure 106: CCD Image

CCD Image: run 454, image 166  
[class MECCDImage]

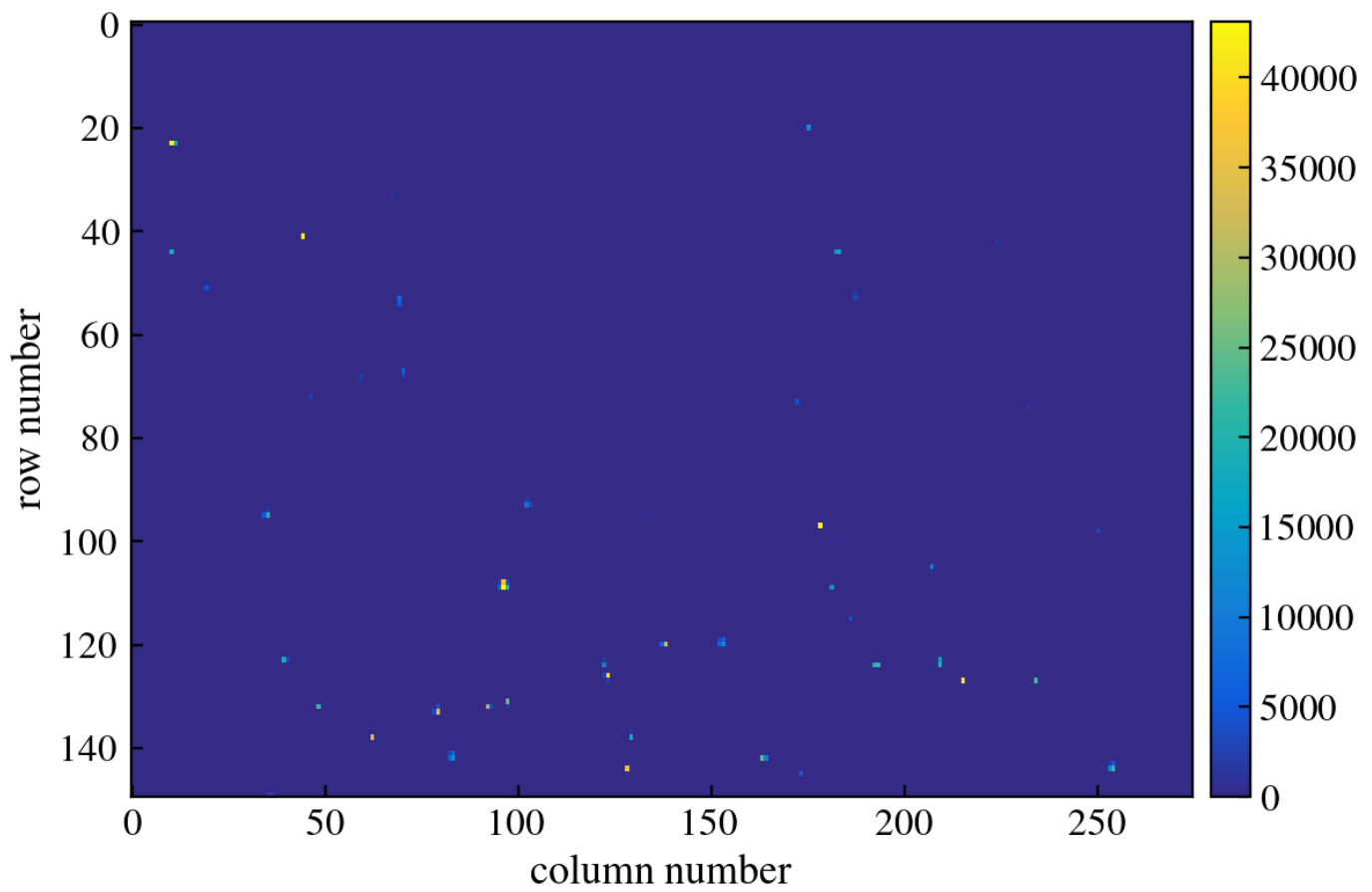


Figure 107: CCD Image

CCD Image: run 454, image 167  
[class MECCDImage]

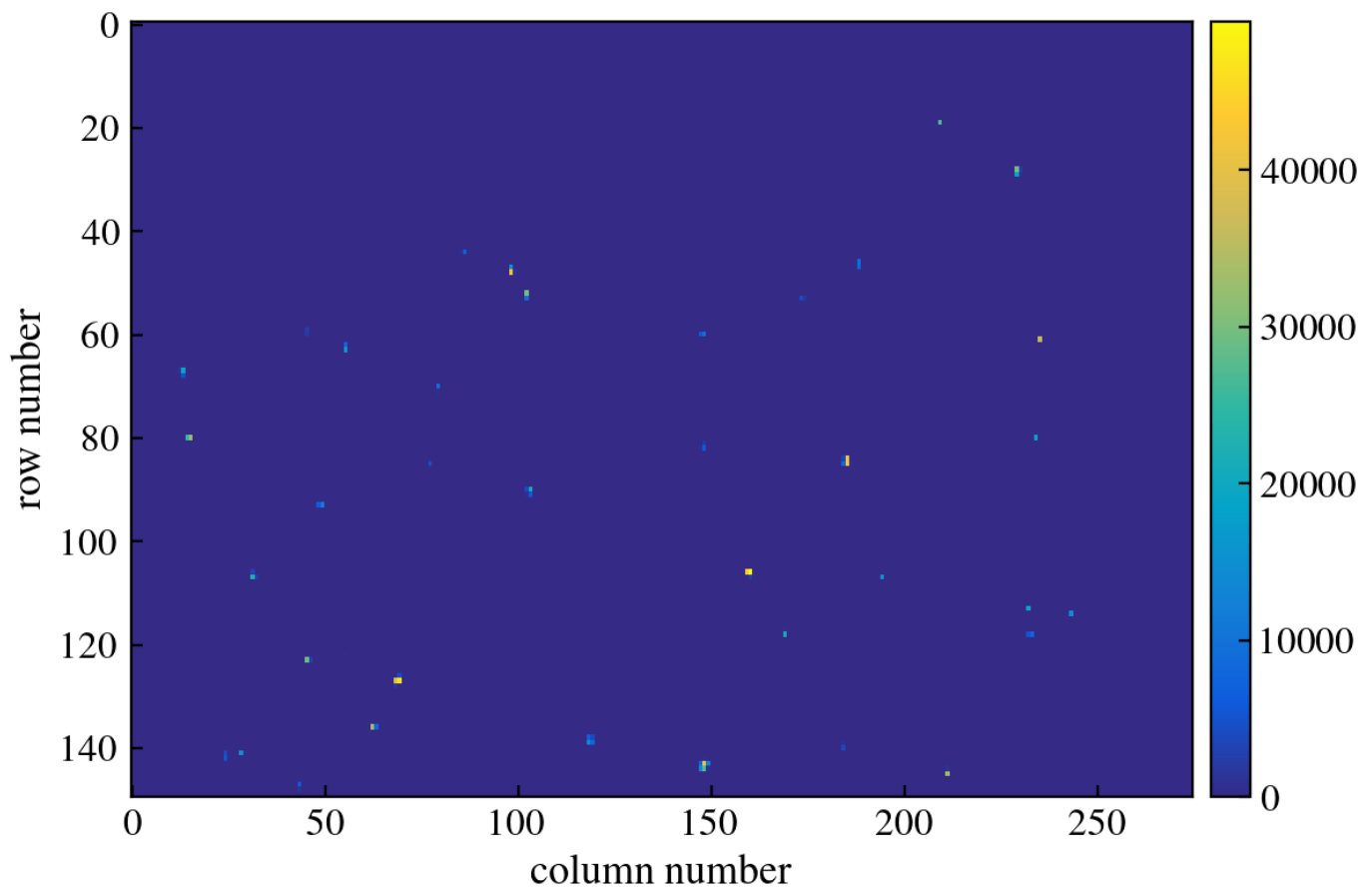


Figure 108: CCD Image

CCD Image: run 454, image 168  
[class MECCDImage]

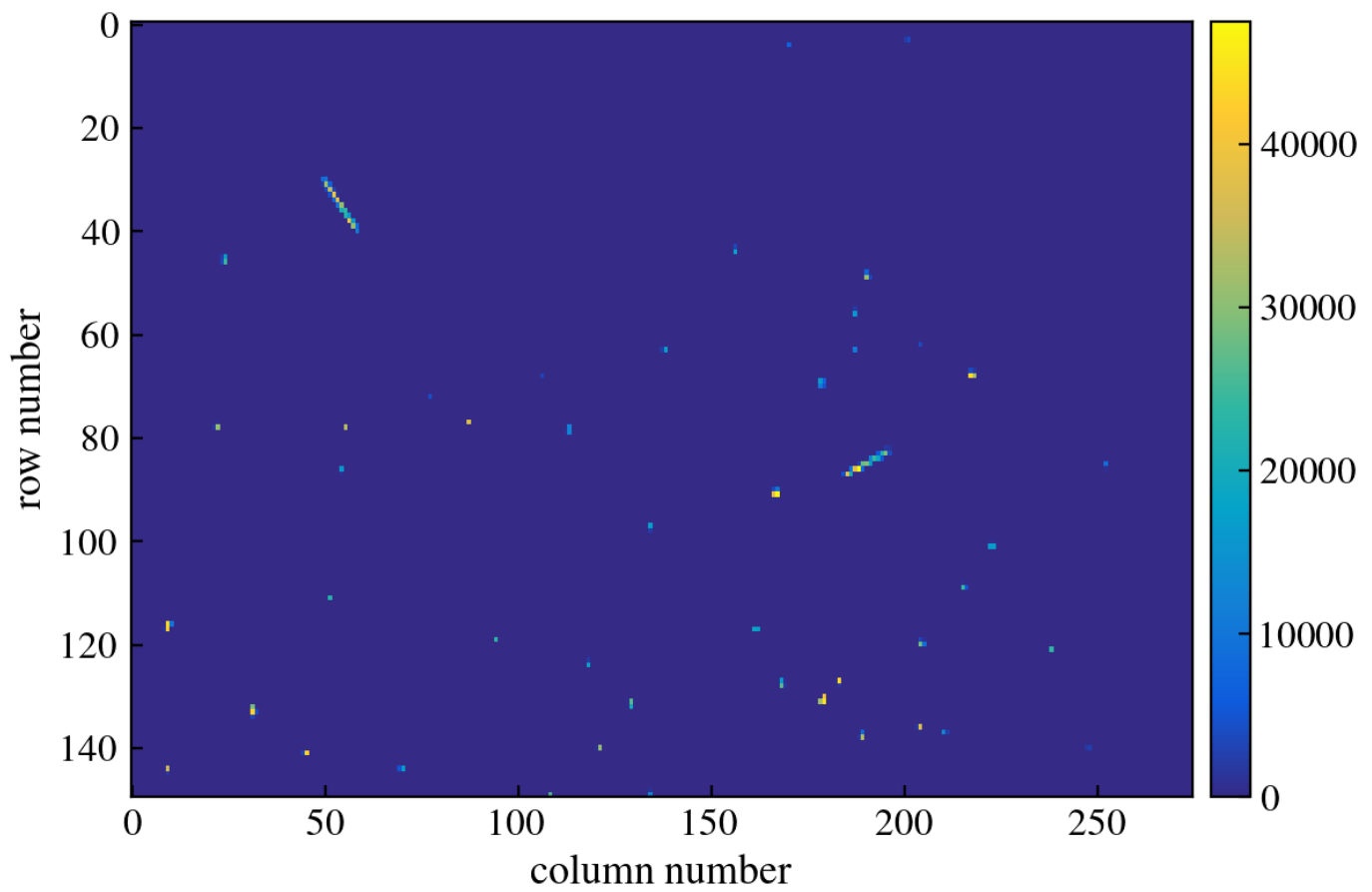


Figure 109: CCD Image

CCD Image: run 454, image 169  
[class MECCDImage]

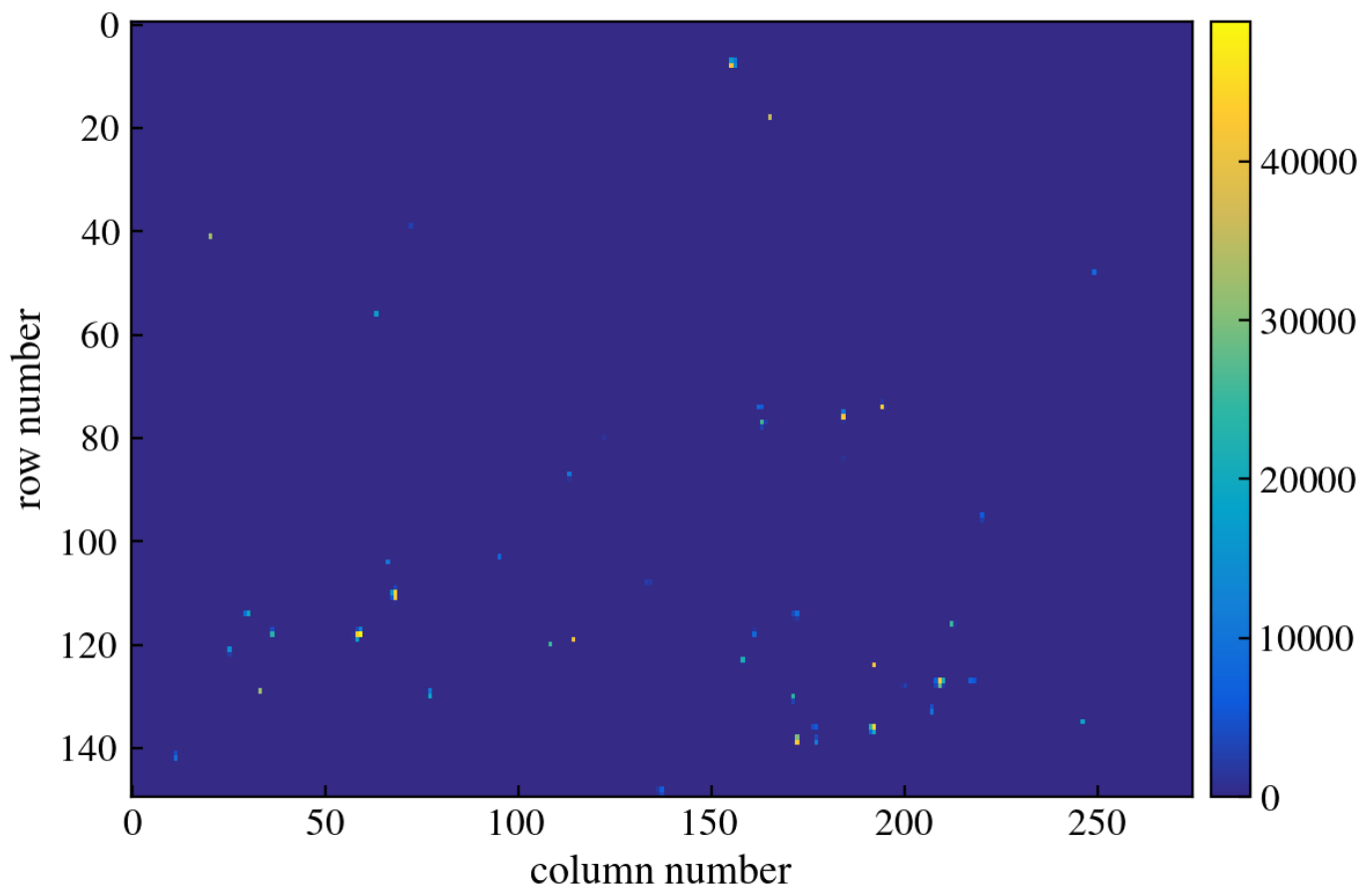


Figure 110: CCD Image

CCD Image: run 454, image 17  
[class MECCDImage]

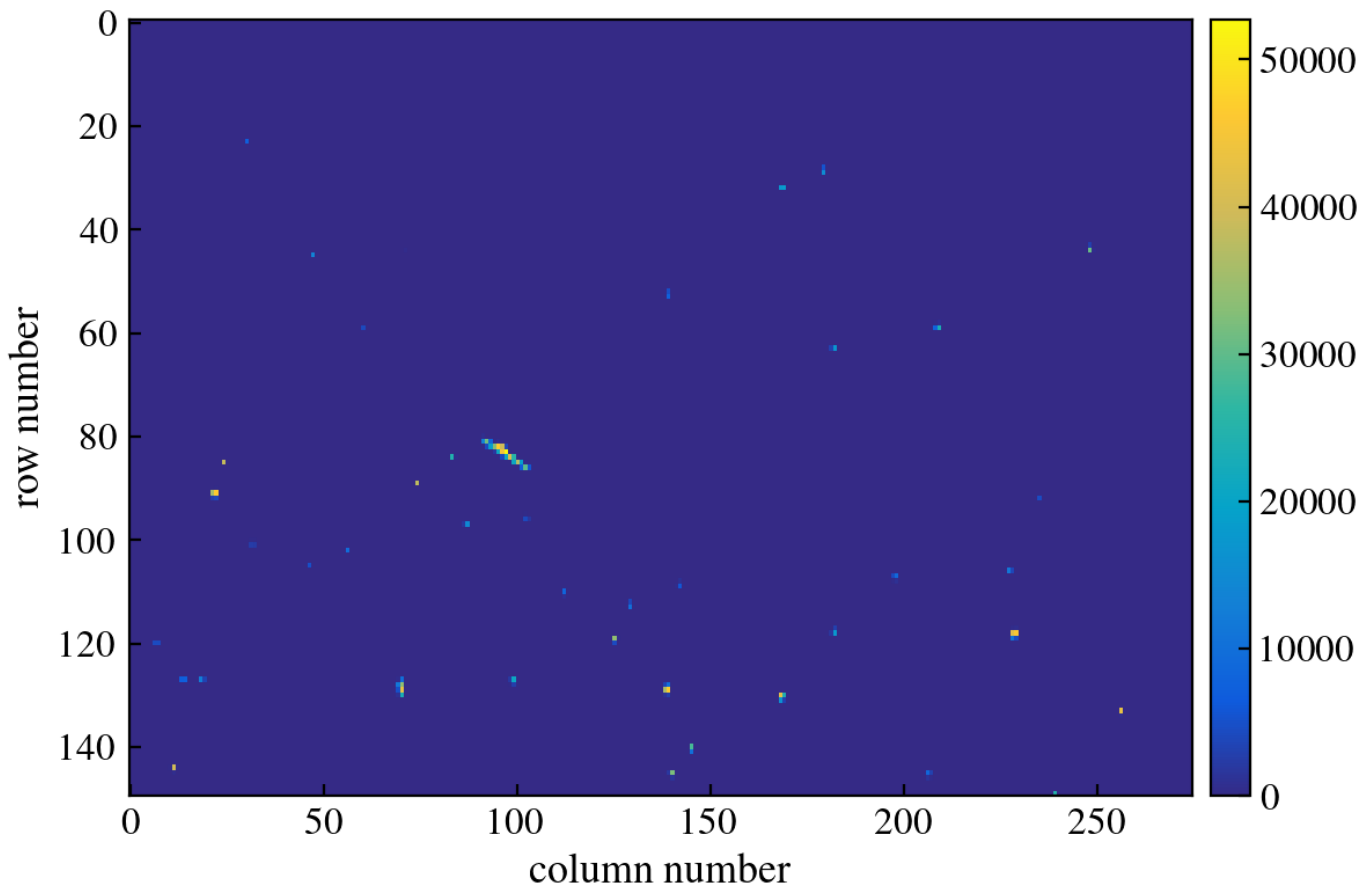


Figure 111: CCD Image



CCD Image: run 454, image 170  
[class MECCDImage]

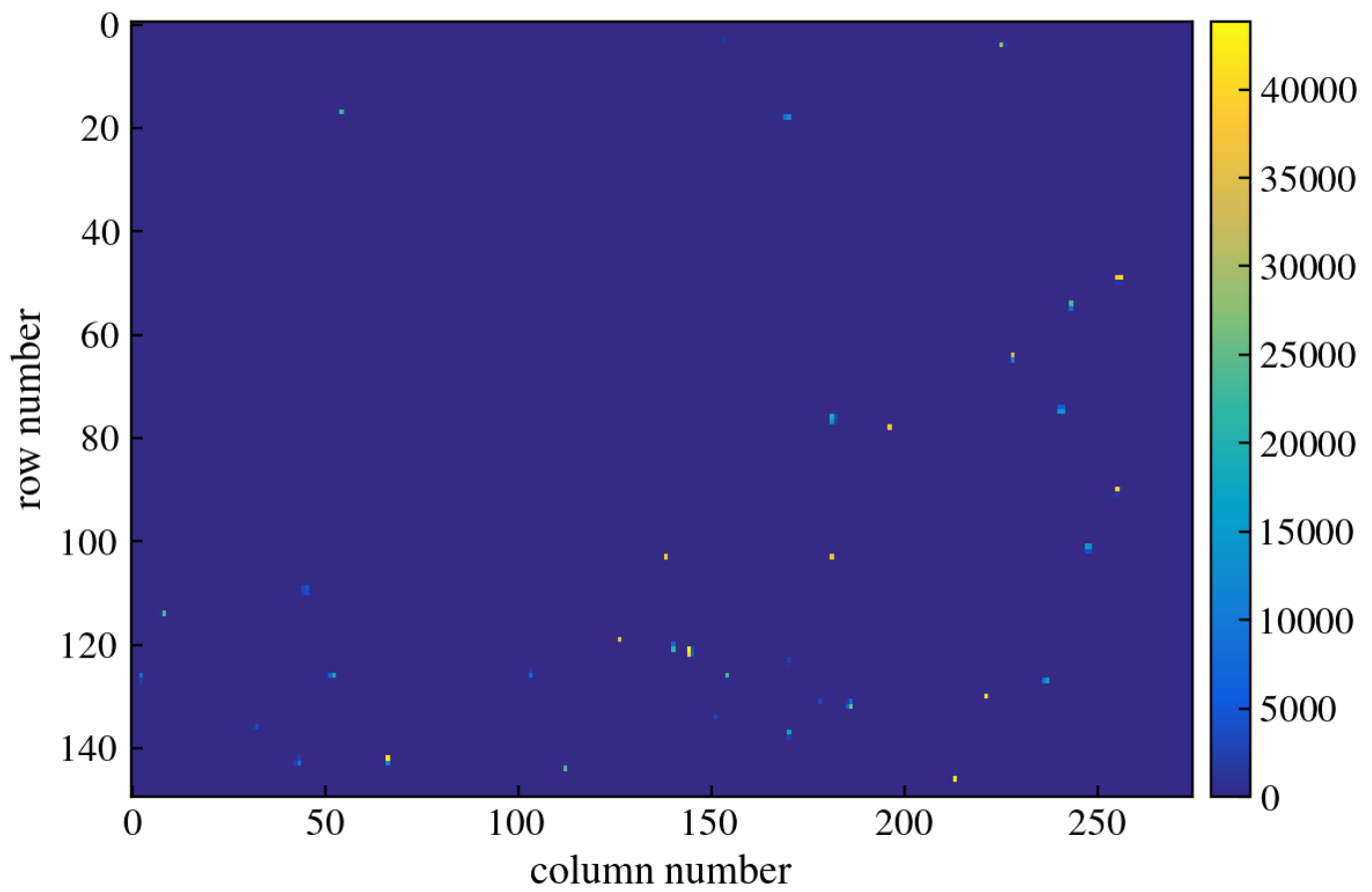


Figure 112: CCD Image

CCD Image: run 454, image 171  
[class MECCDImage]

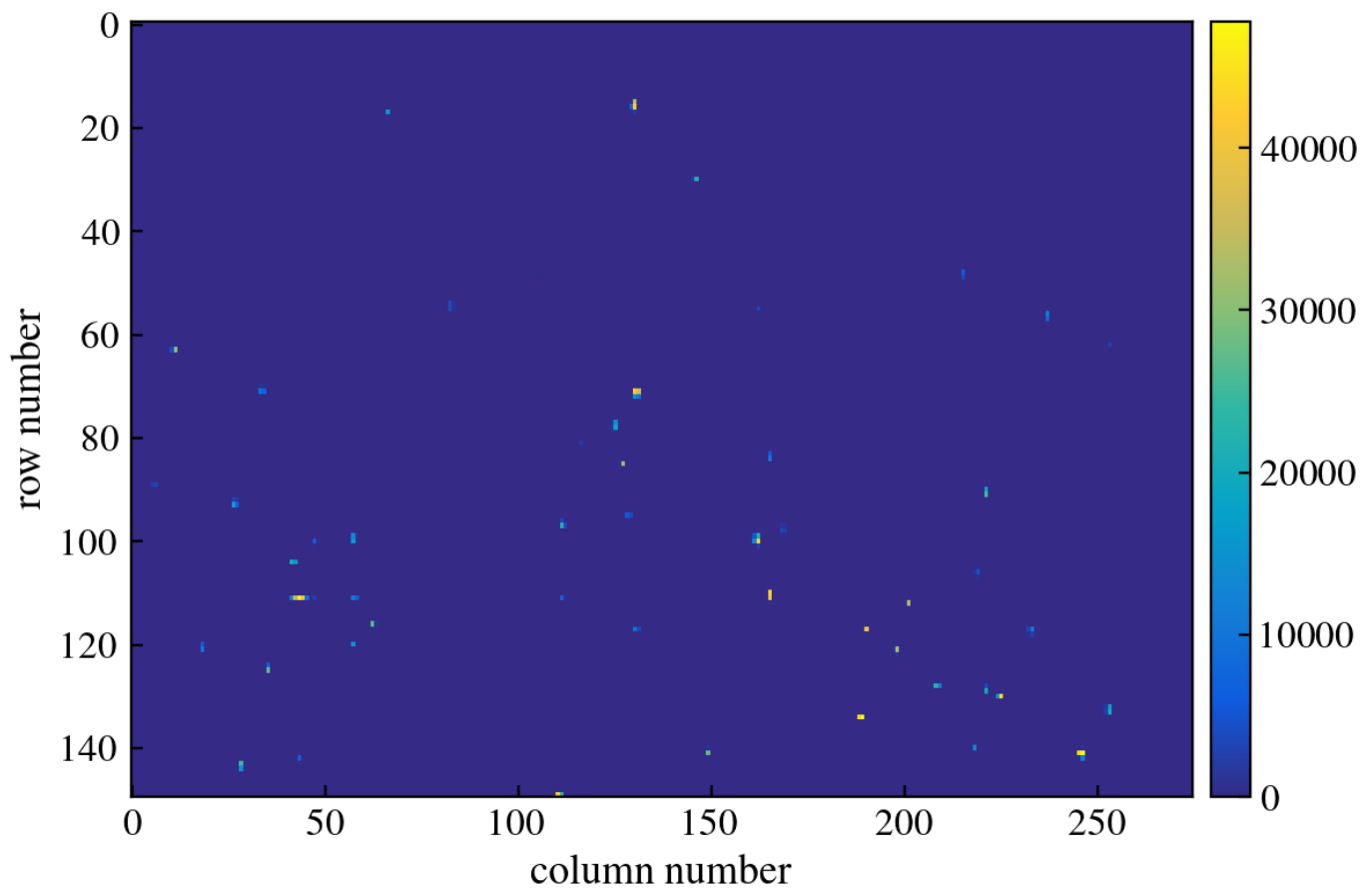


Figure 113: CCD Image

CCD Image: run 454, image 172  
[class MECCDImage]

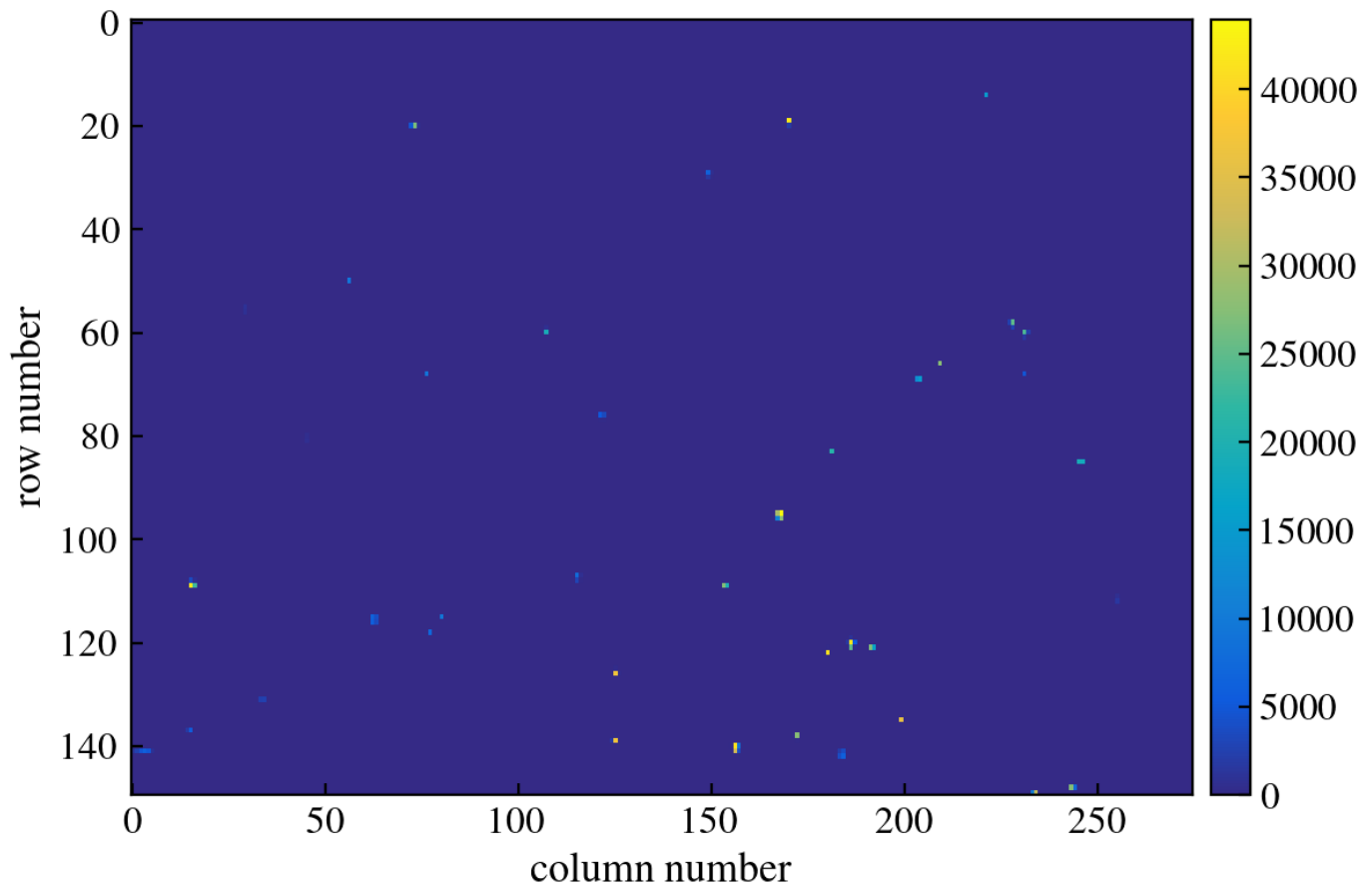


Figure 114: CCD Image

CCD Image: run 454, image 173  
[class MECCDImage]

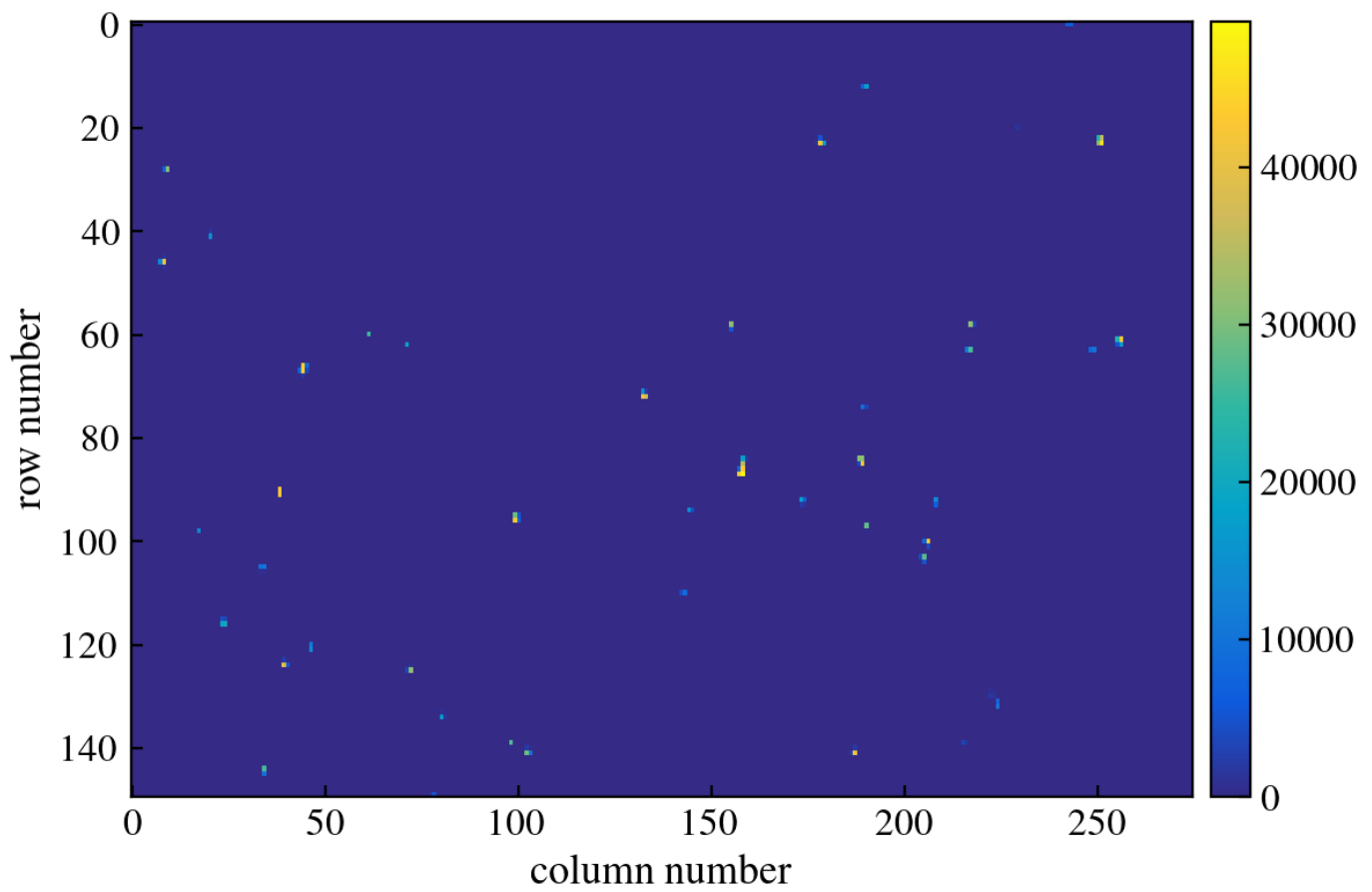


Figure 115: CCD Image

CCD Image: run 454, image 174  
[class MECCDImage]

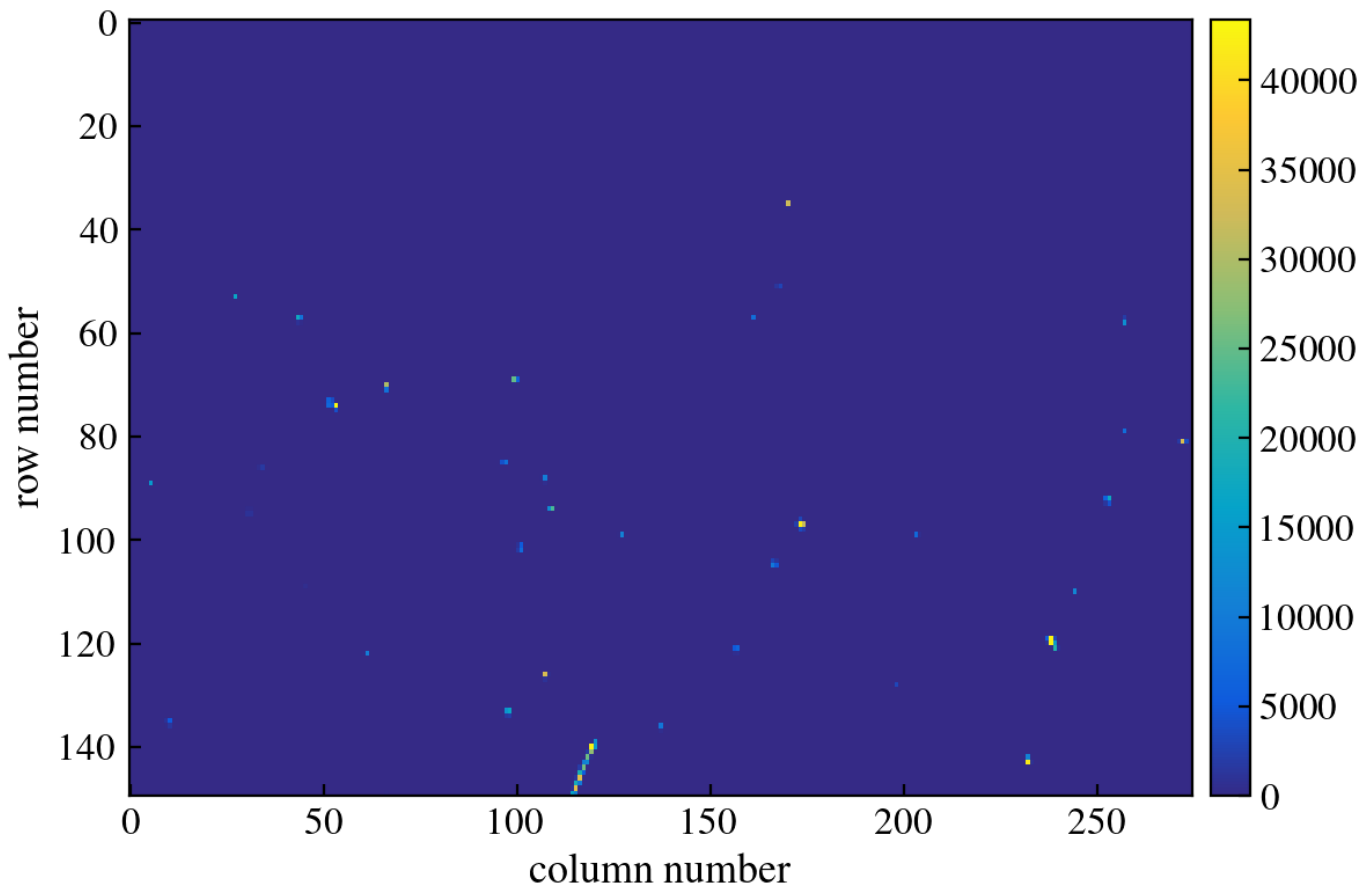


Figure 116: CCD Image

CCD Image: run 454, image 175  
[class MECCDImage]

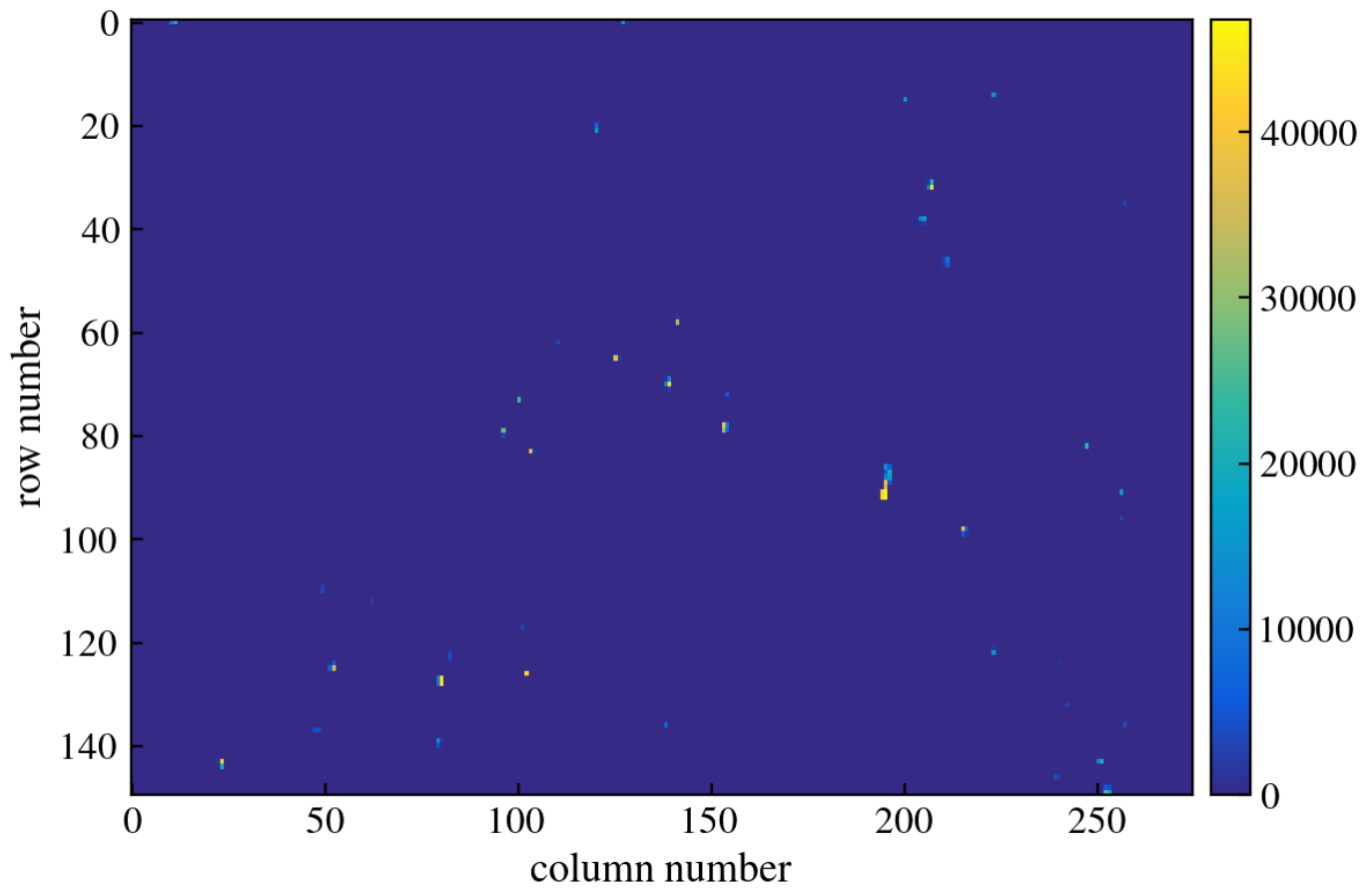


Figure 117: CCD Image

CCD Image: run 454, image 176  
[class MECCDImage]

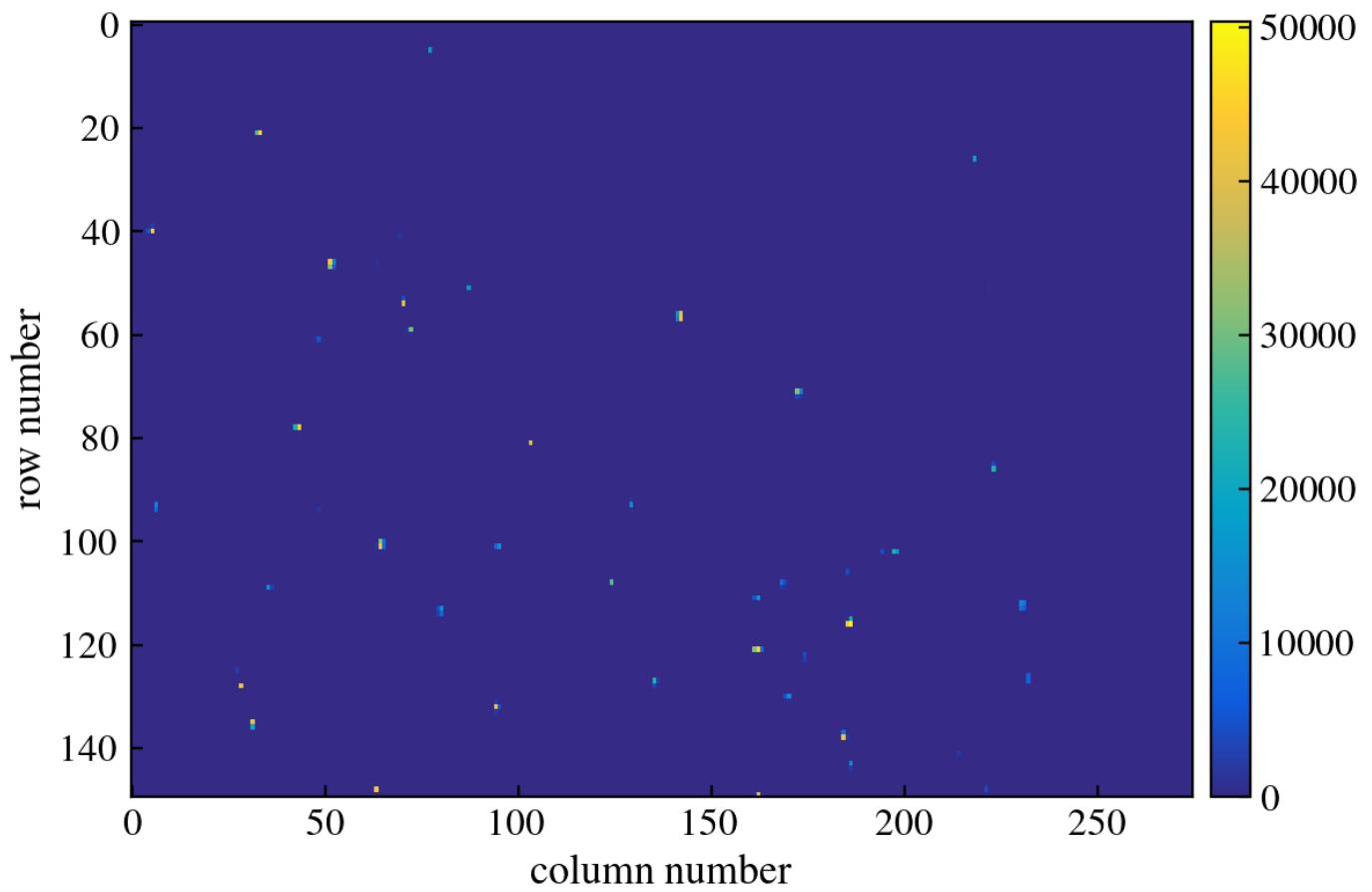


Figure 118: CCD Image

CCD Image: run 454, image 177  
[class MECCDImage]

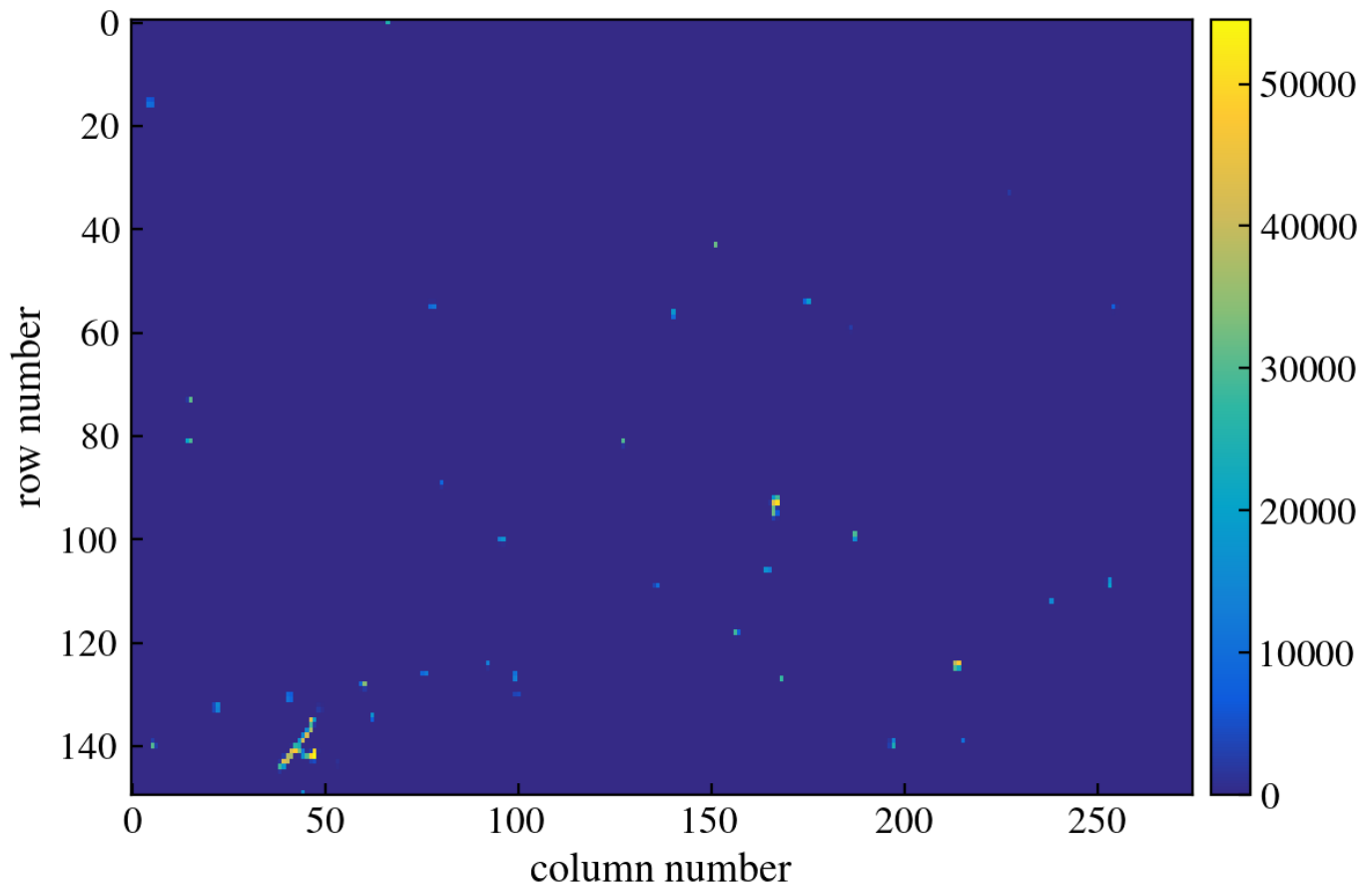


Figure 119: CCD Image



CCD Image: run 454, image 178  
[class MECCDImage]

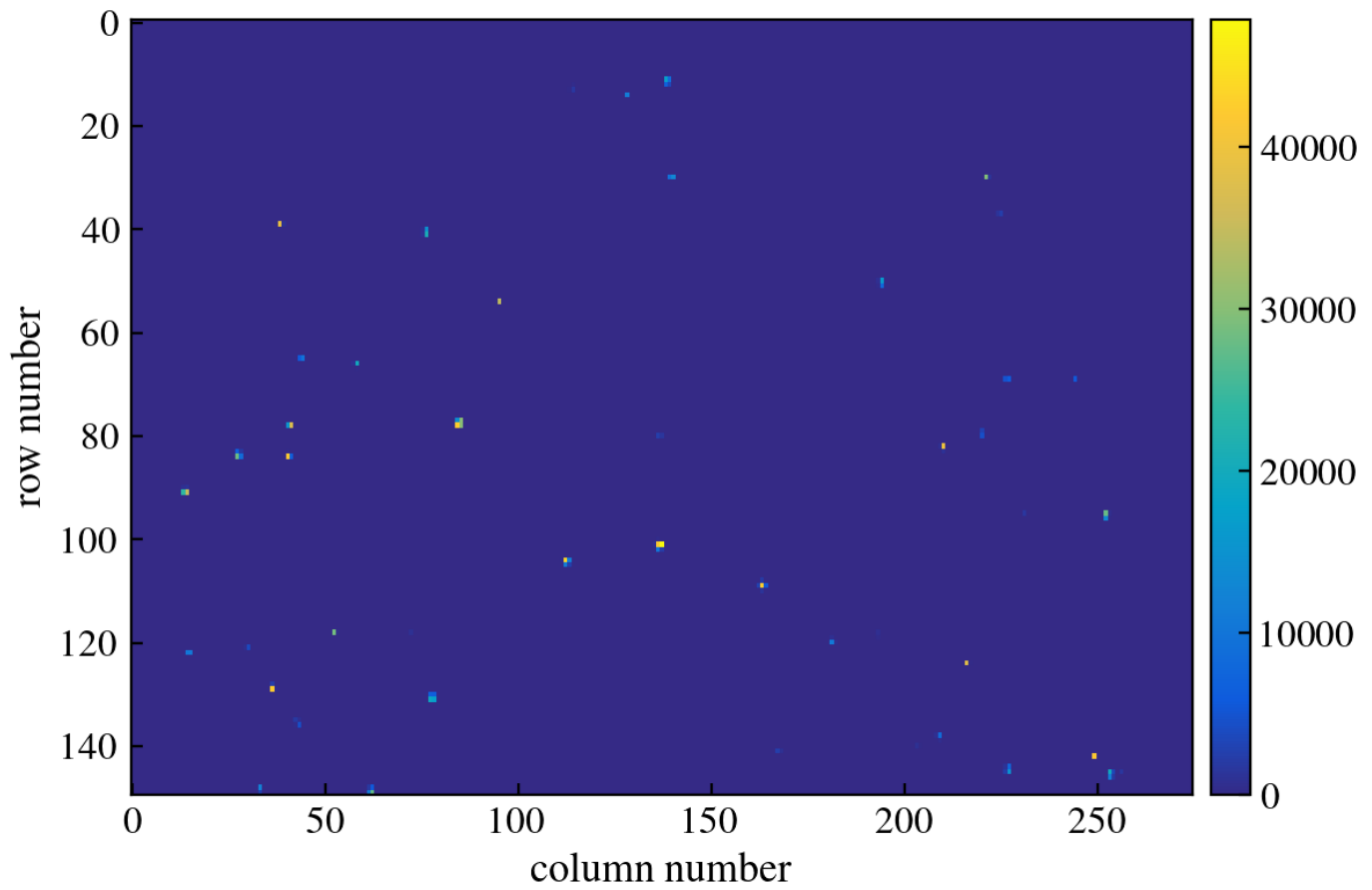


Figure 120: CCD Image

CCD Image: run 454, image 179  
[class MECCDImage]

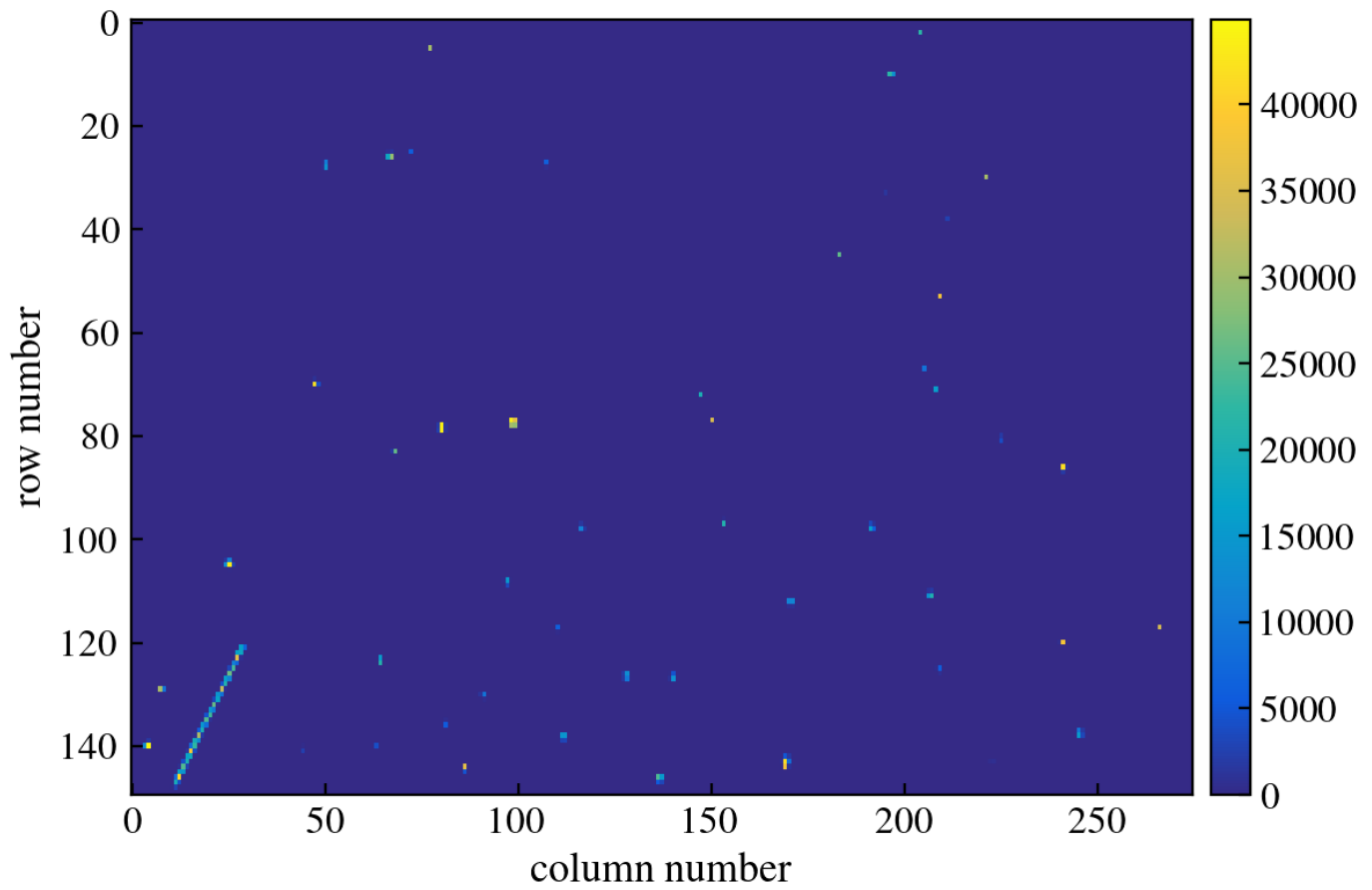


Figure 121: CCD Image

CCD Image: run 454, image 18  
[class MECCDImage]

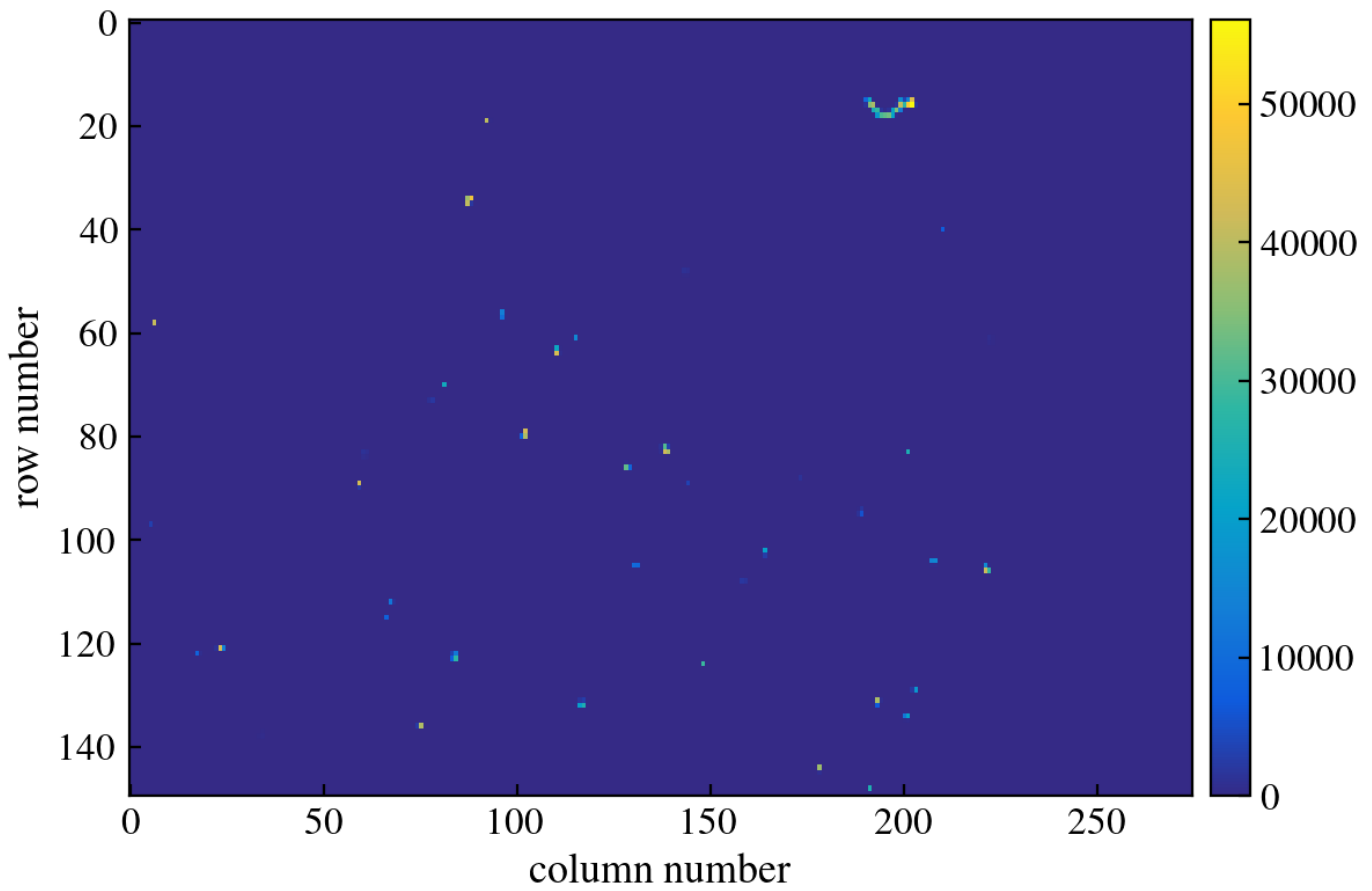


Figure 122: CCD Image

CCD Image: run 454, image 180  
[class MECCDImage]

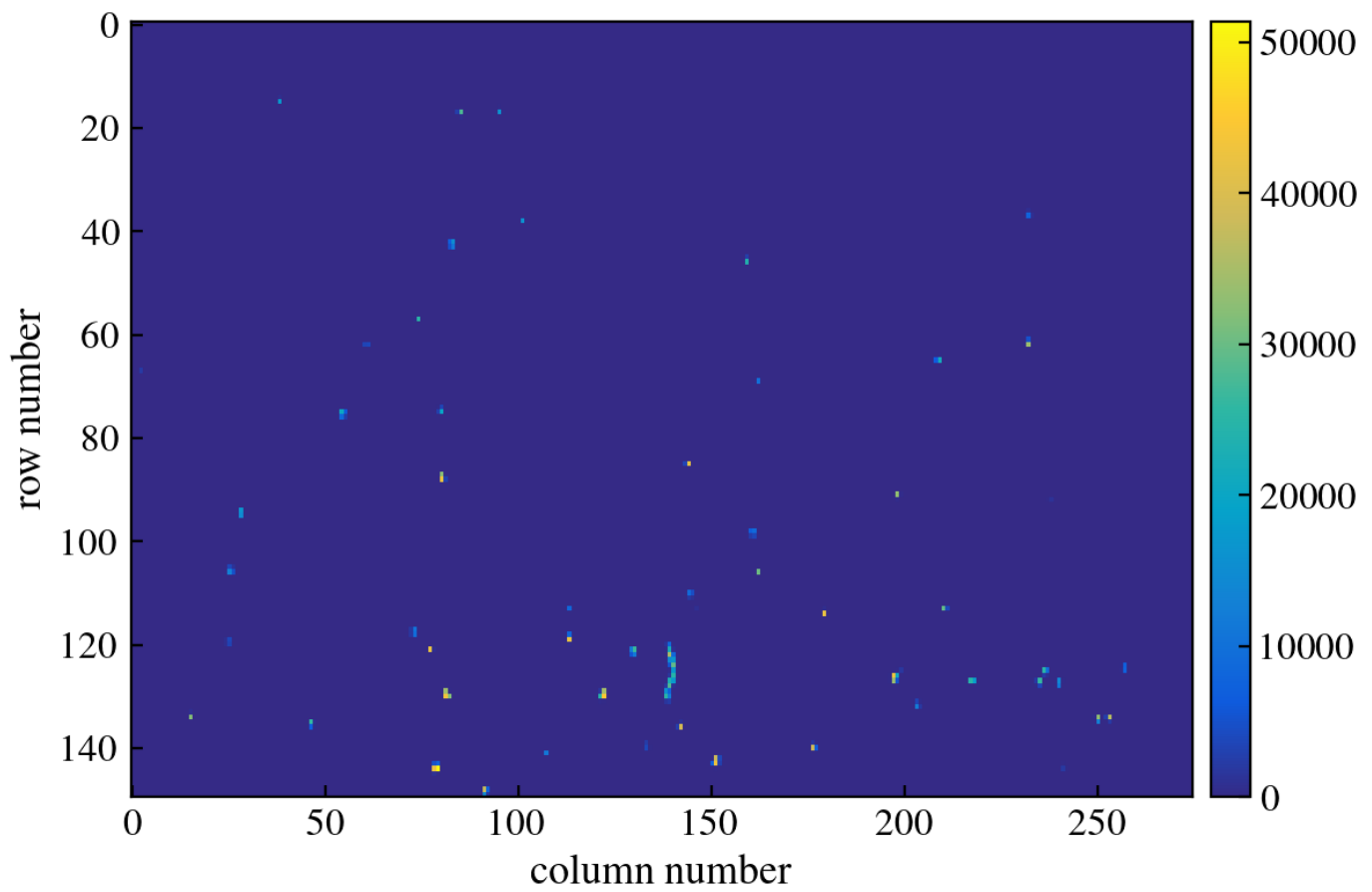


Figure 123: CCD Image

CCD Image: run 454, image 181  
[class MECCDImage]

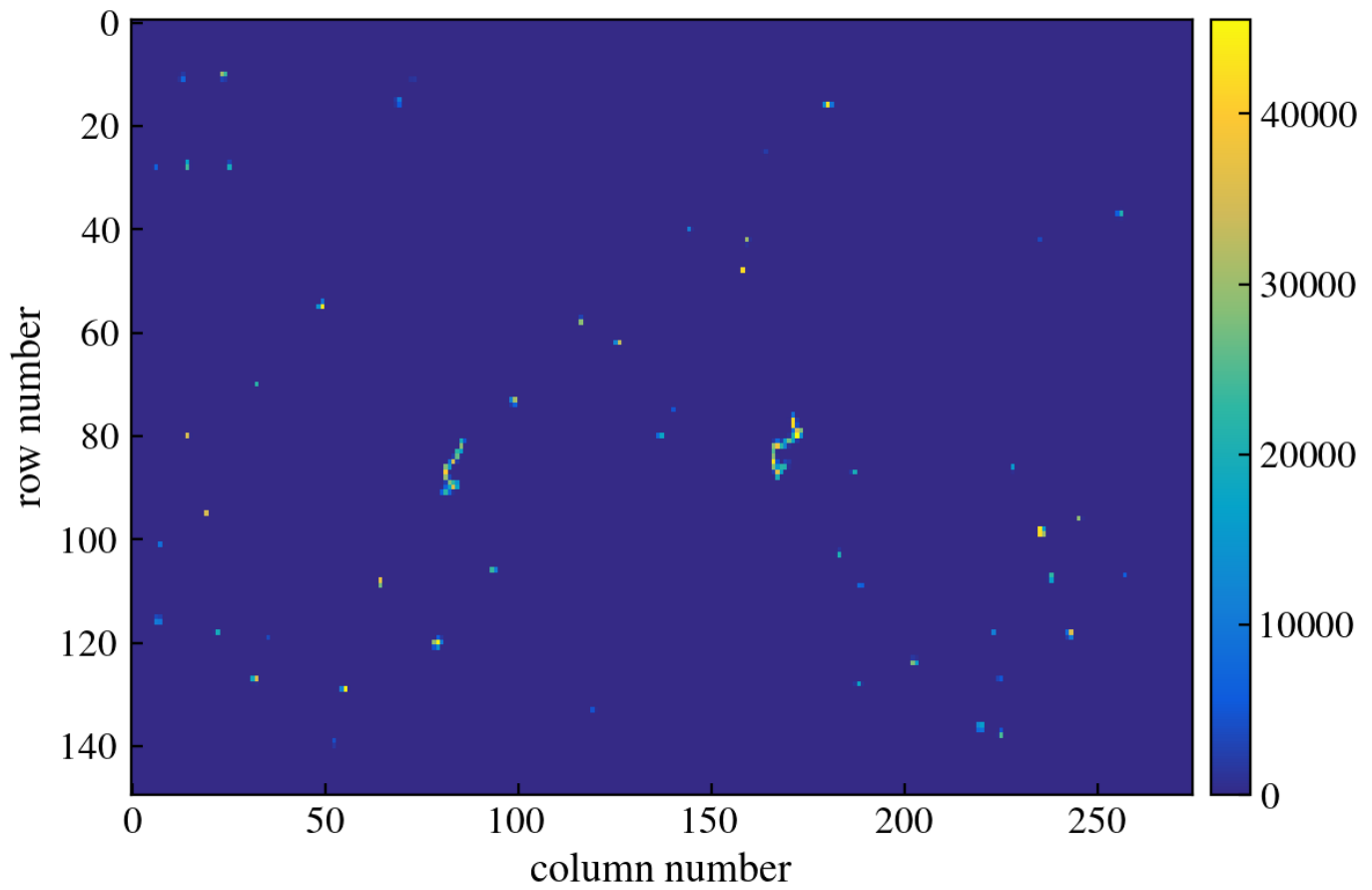


Figure 124: CCD Image

CCD Image: run 454, image 182  
[class MECCDImage]

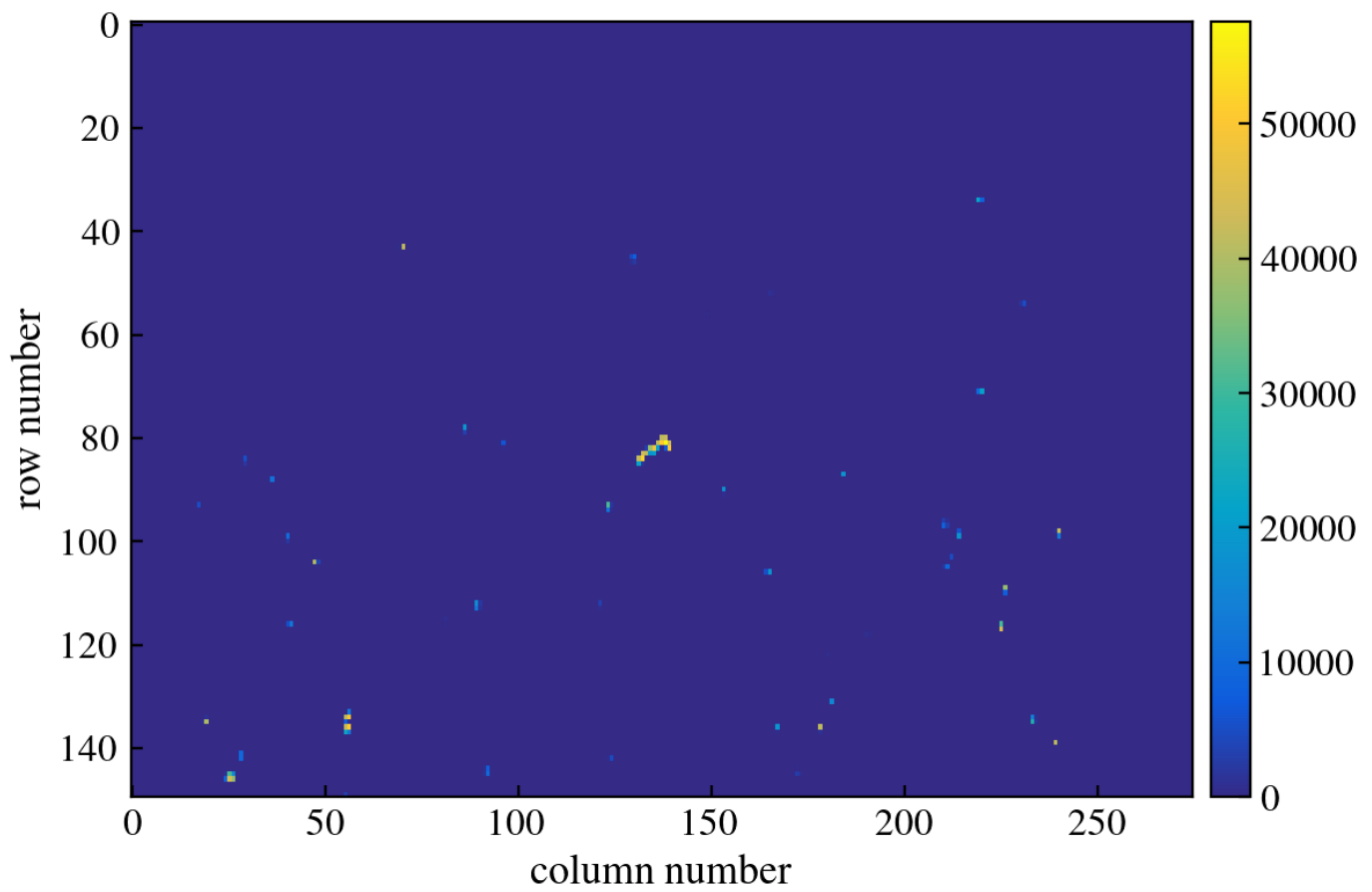


Figure 125: CCD Image

CCD Image: run 454, image 183  
[class MECCDImage]

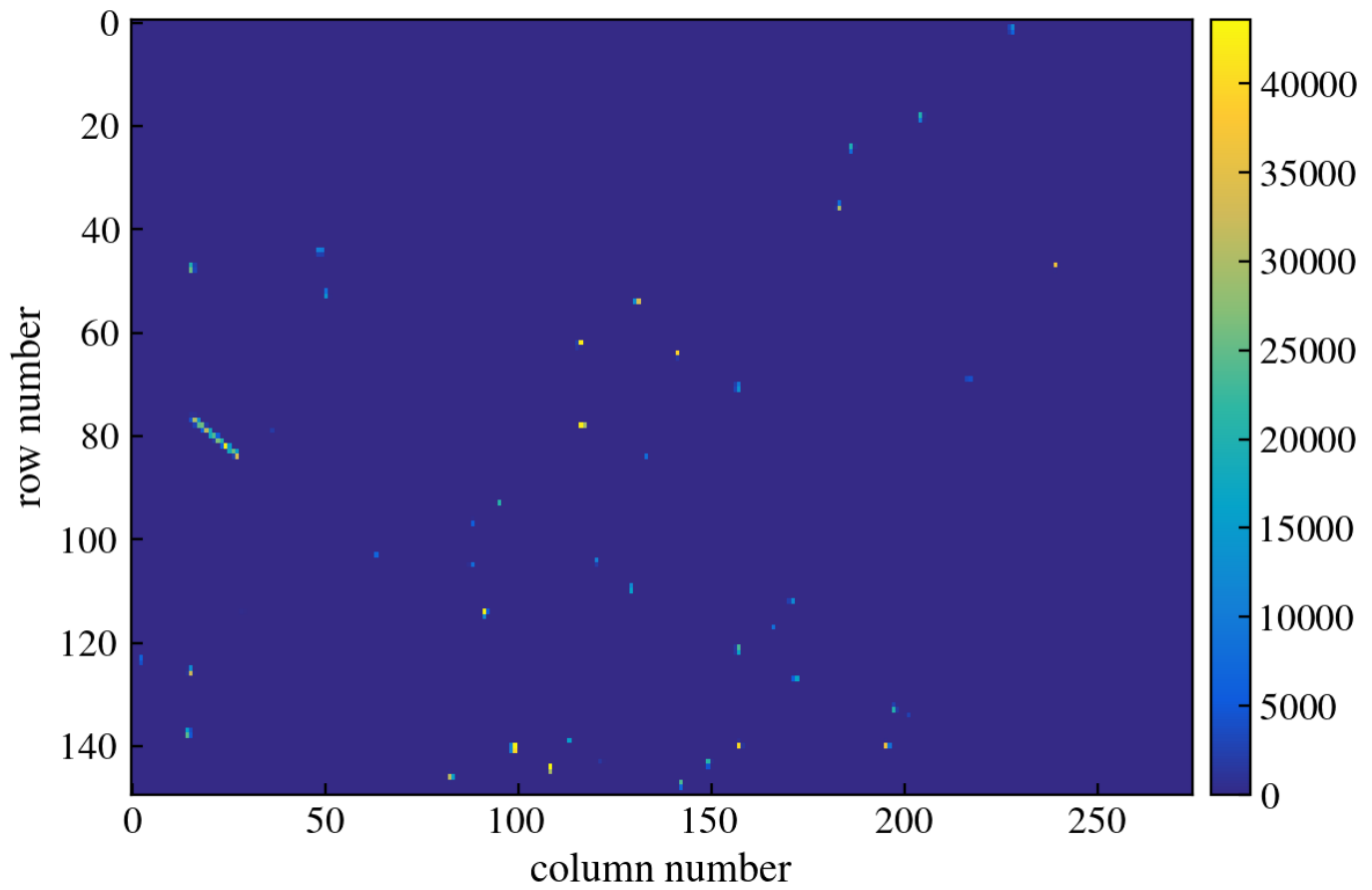


Figure 126: CCD Image

CCD Image: run 454, image 184  
[class MECCDImage]

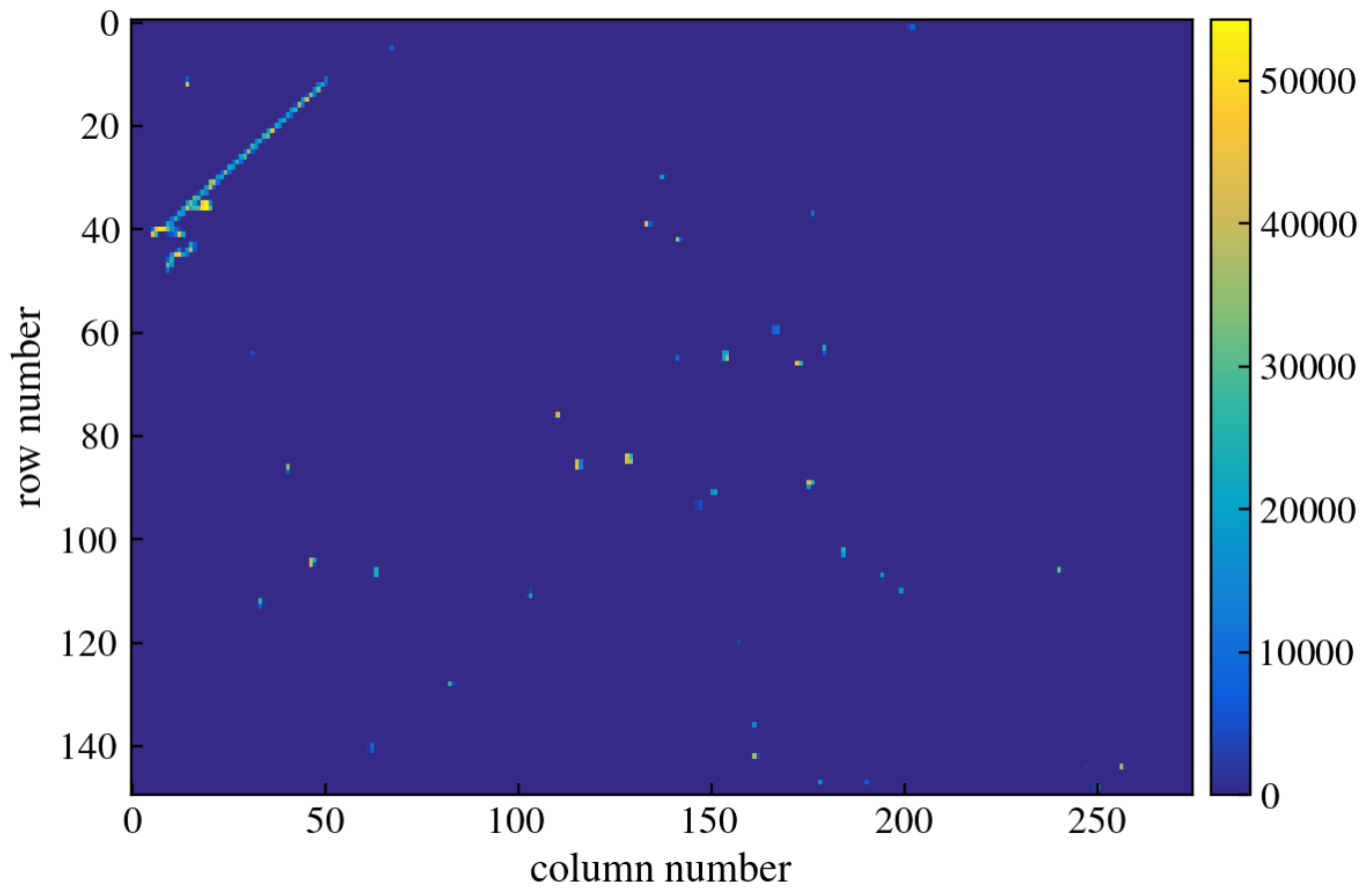


Figure 127: CCD Image



CCD Image: run 454, image 185  
[class MECCDImage]

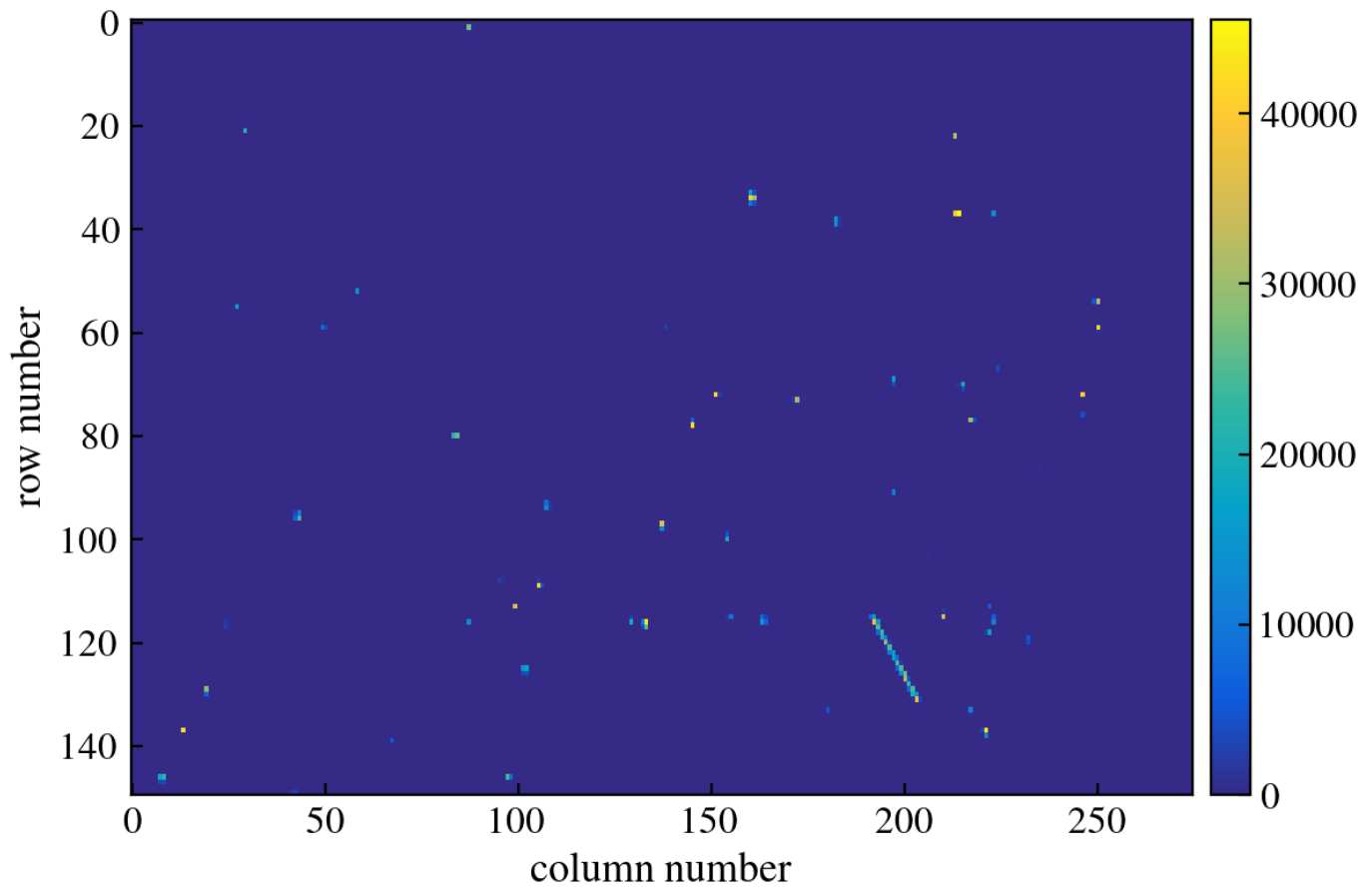


Figure 128: CCD Image

CCD Image: run 454, image 186  
[class MECCDImage]

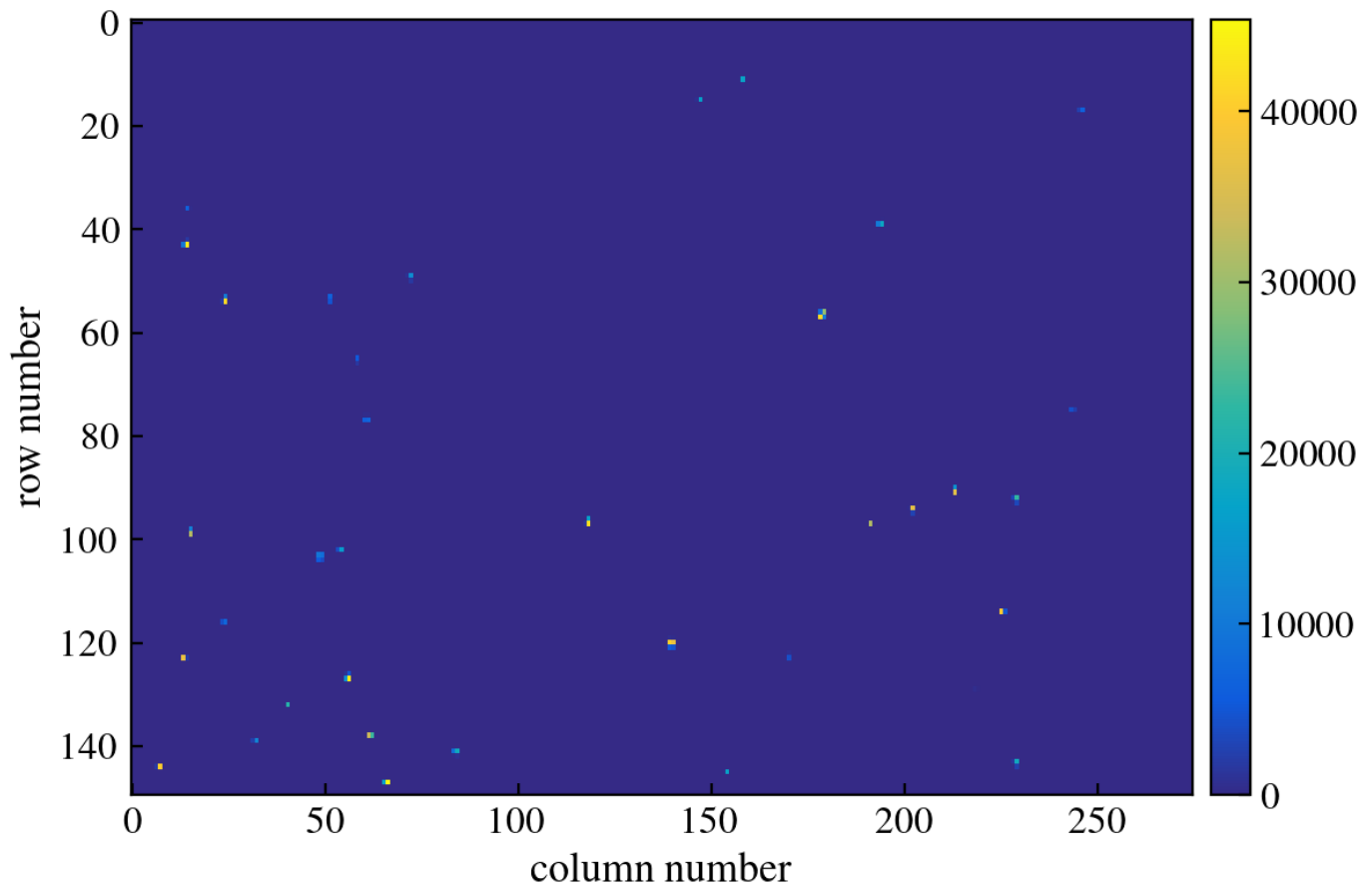


Figure 129: CCD Image

CCD Image: run 454, image 187  
[class MECCDImage]

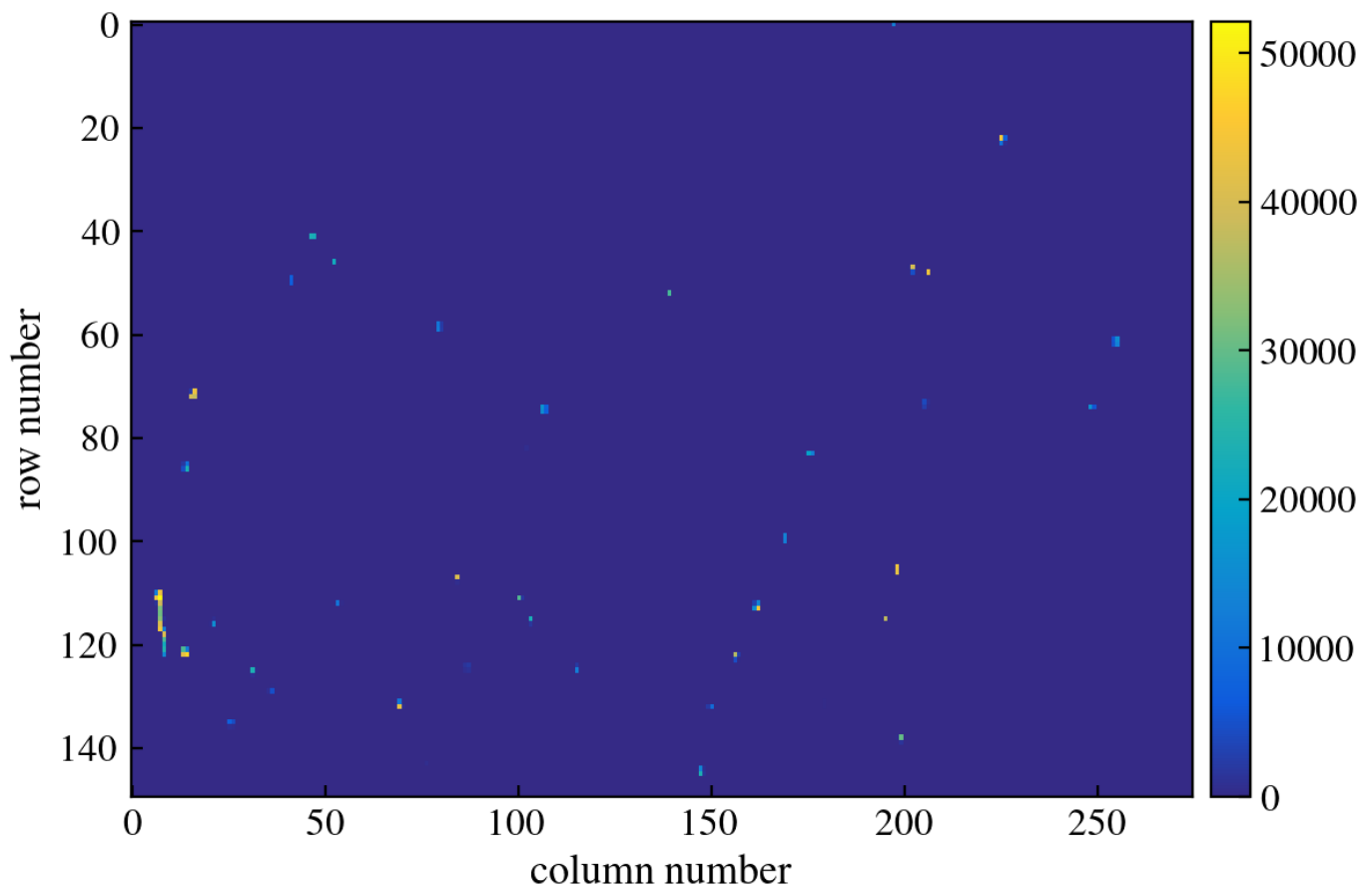


Figure 130: CCD Image

CCD Image: run 454, image 188  
[class MECCDImage]

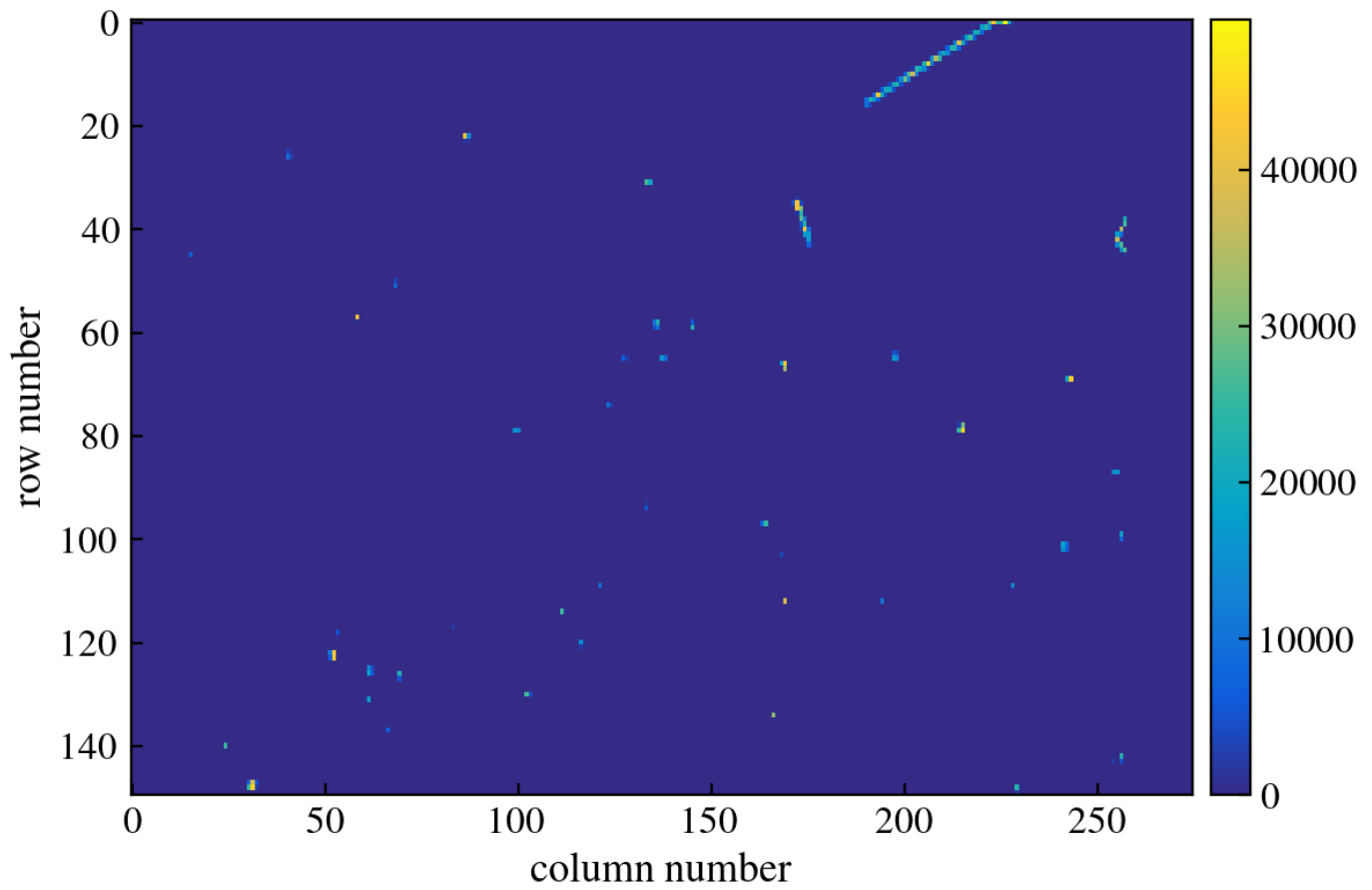


Figure 131: CCD Image

CCD Image: run 454, image 189  
[class MECCDImage]

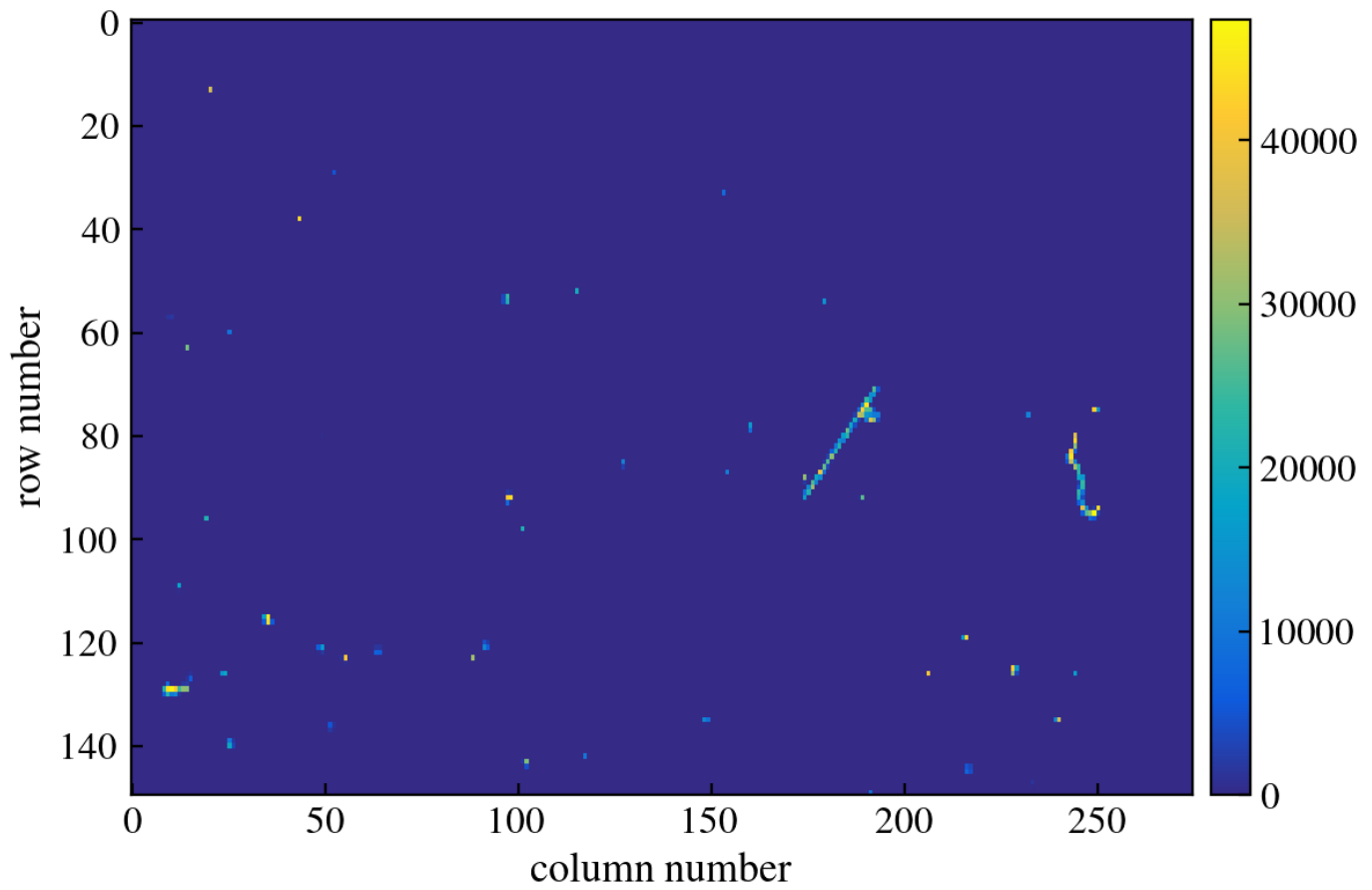


Figure 132: CCD Image

CCD Image: run 454, image 19  
[class MECCDImage]

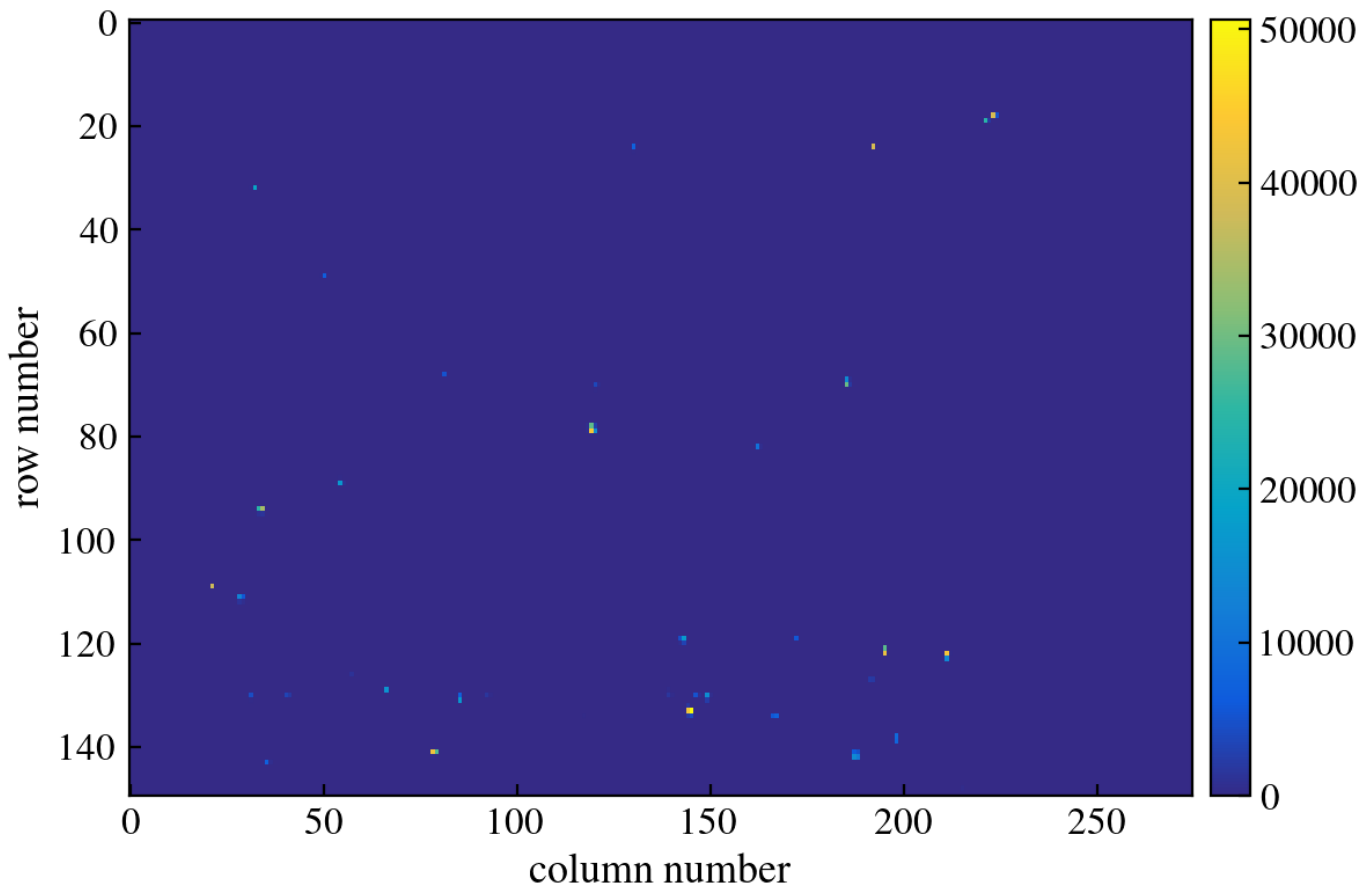


Figure 133: CCD Image

CCD Image: run 454, image 190  
[class MECCDImage]

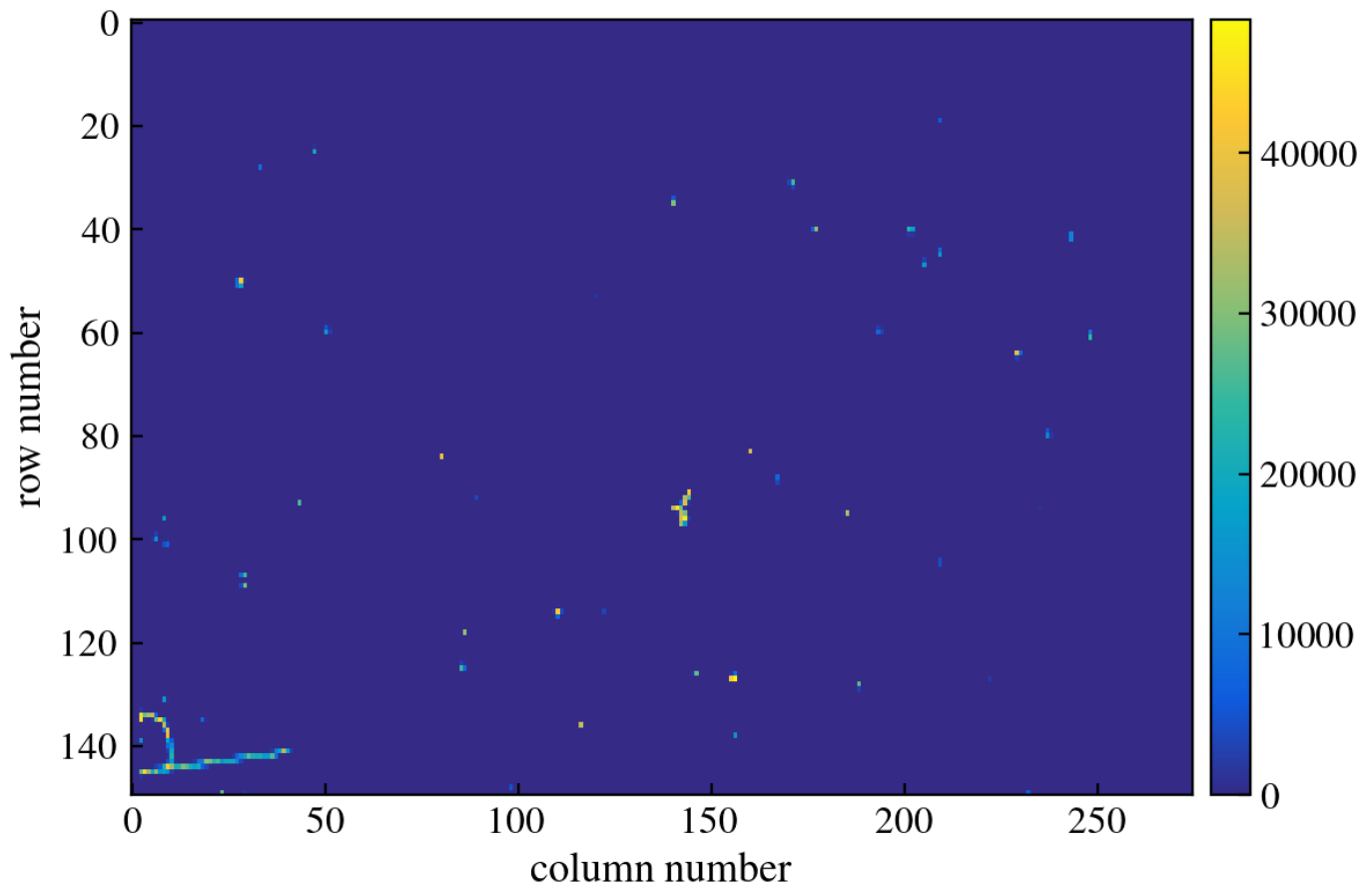


Figure 134: CCD Image

CCD Image: run 454, image 191  
[class MECCDImage]

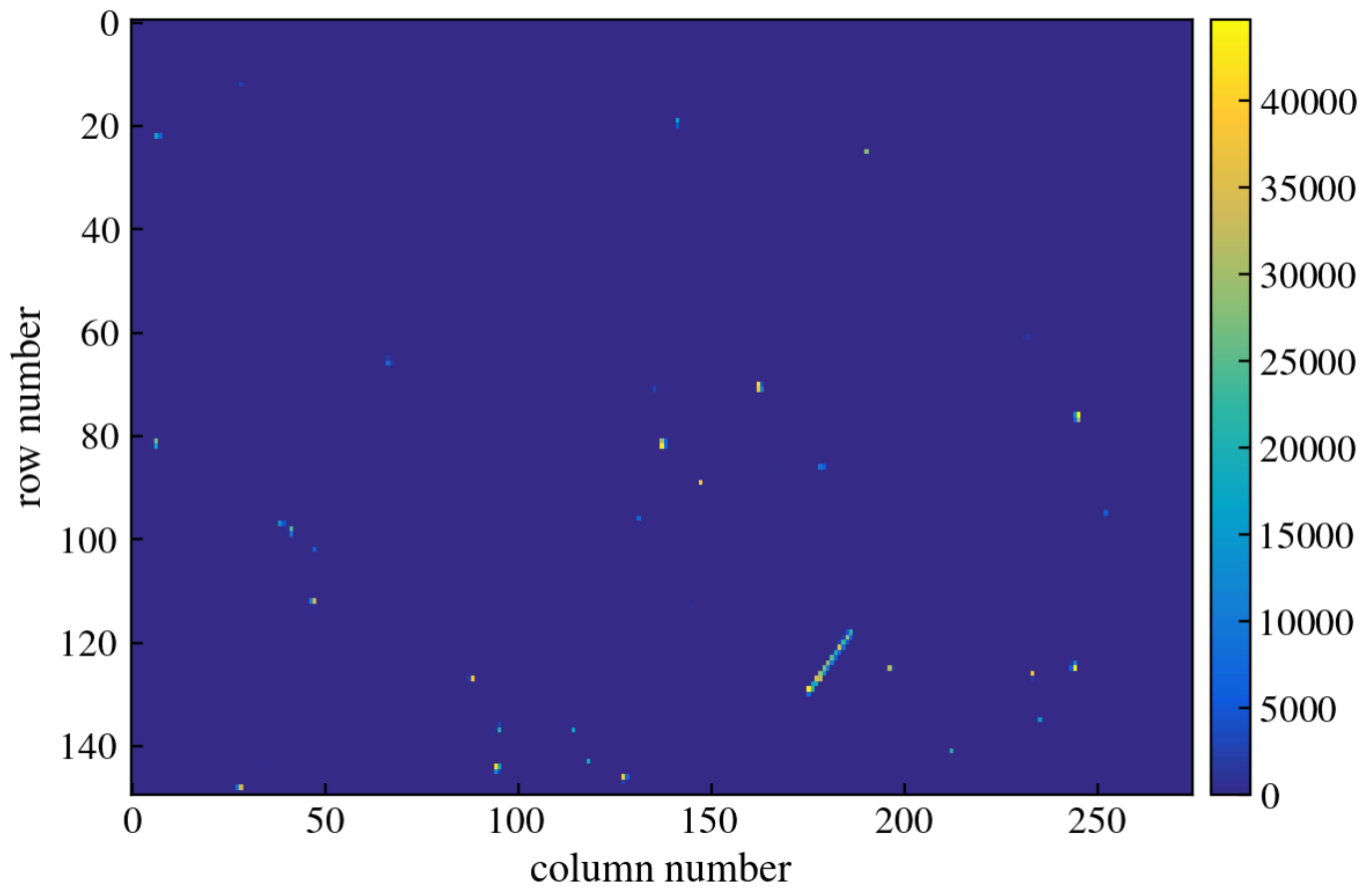


Figure 135: CCD Image



CCD Image: run 454, image 192  
[class MECCDImage]

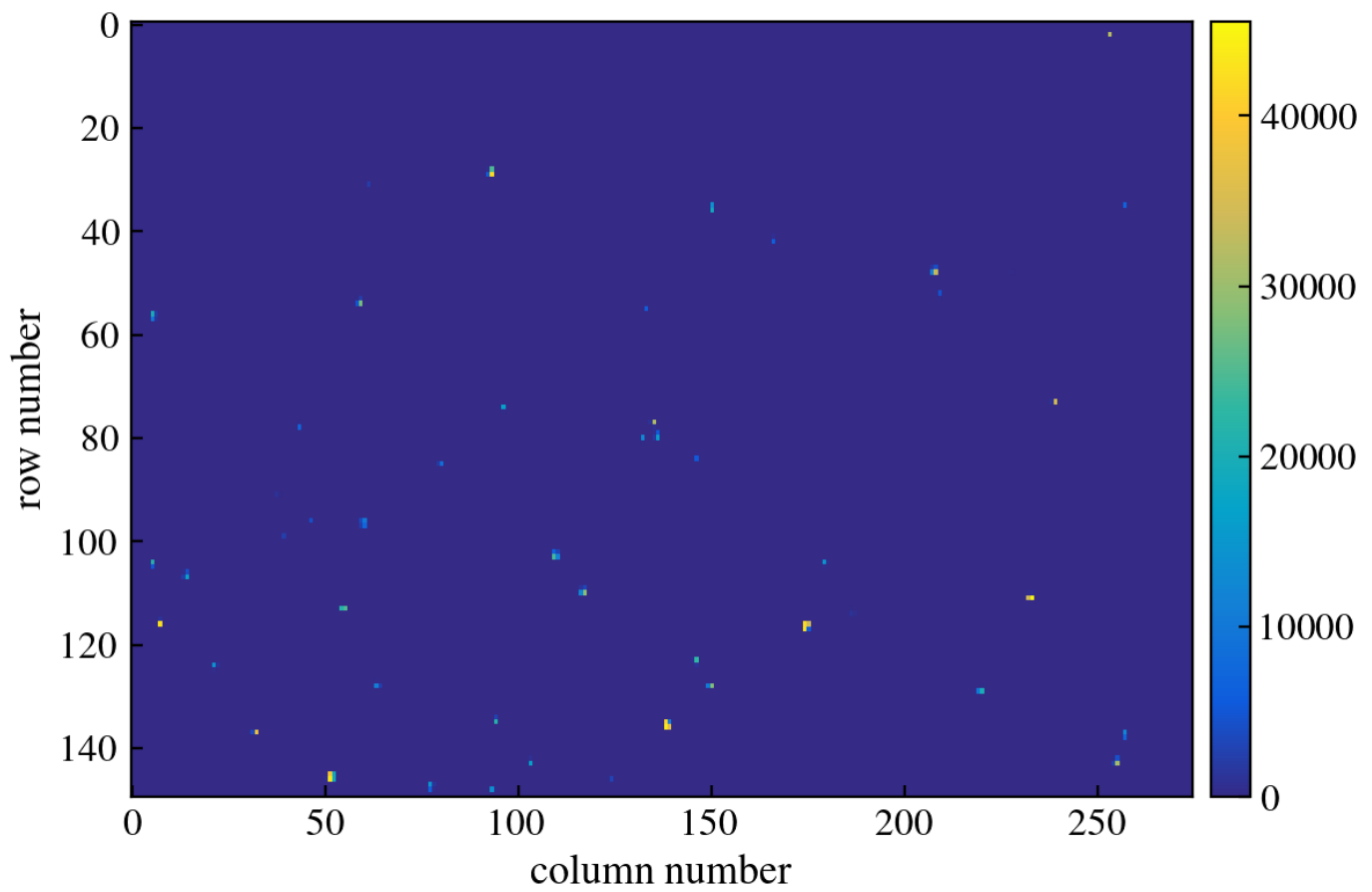


Figure 136: CCD Image

CCD Image: run 454, image 193  
[class MECCDImage]

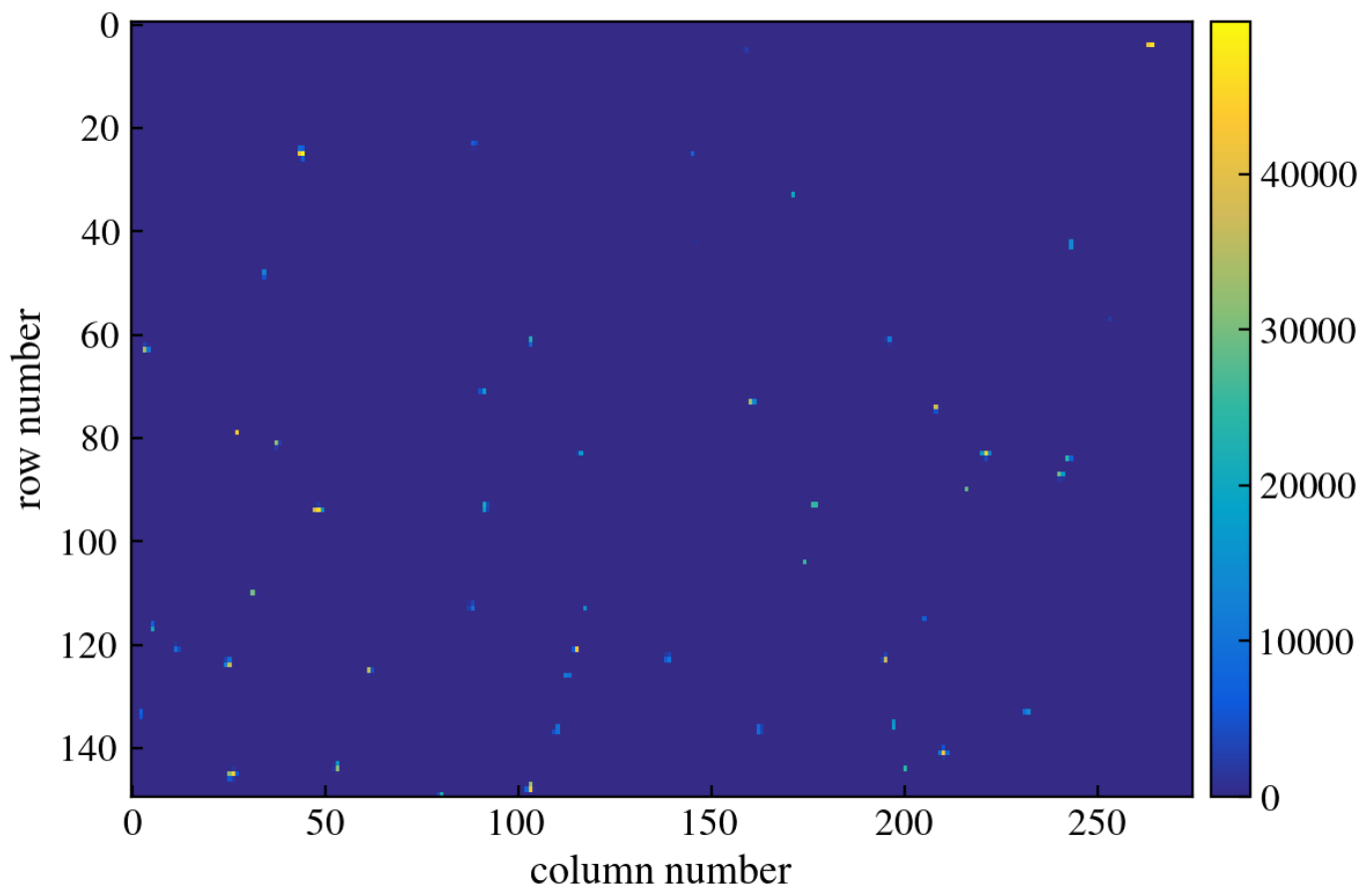


Figure 137: CCD Image

CCD Image: run 454, image 194  
[class MECCDImage]

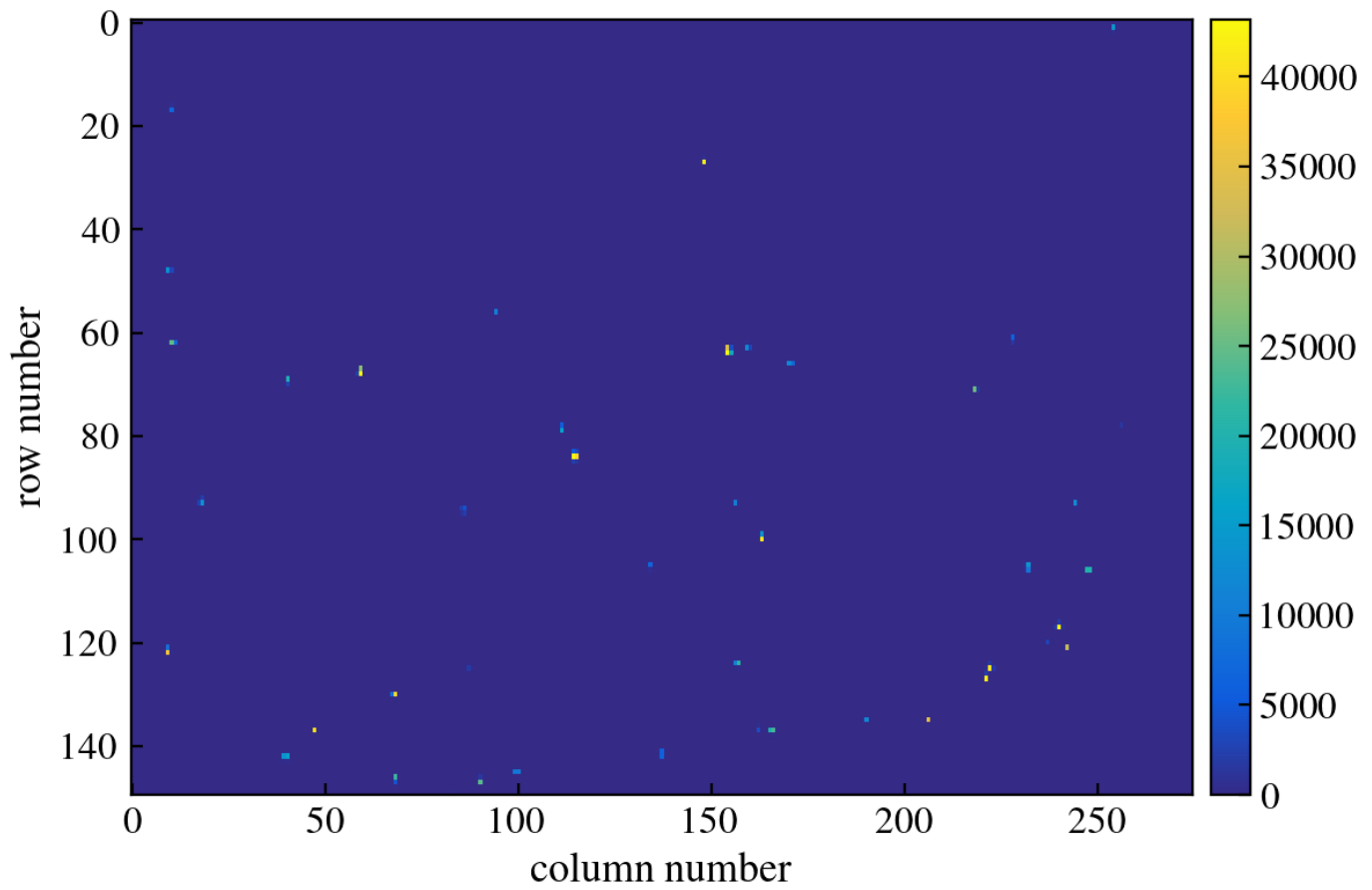


Figure 138: CCD Image

CCD Image: run 454, image 195  
[class MECCDImage]

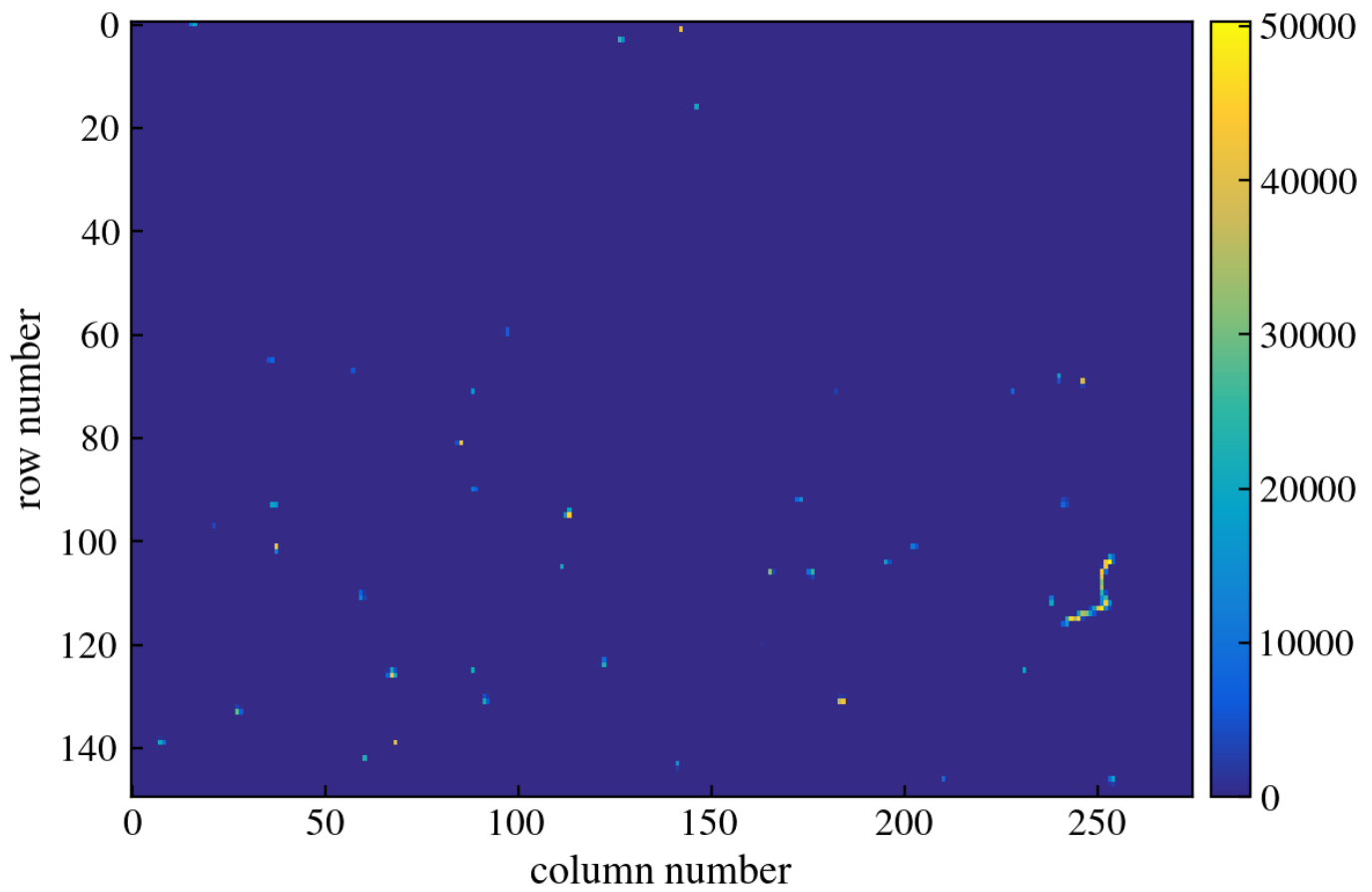


Figure 139: CCD Image

CCD Image: run 454, image 196  
[class MECCDImage]

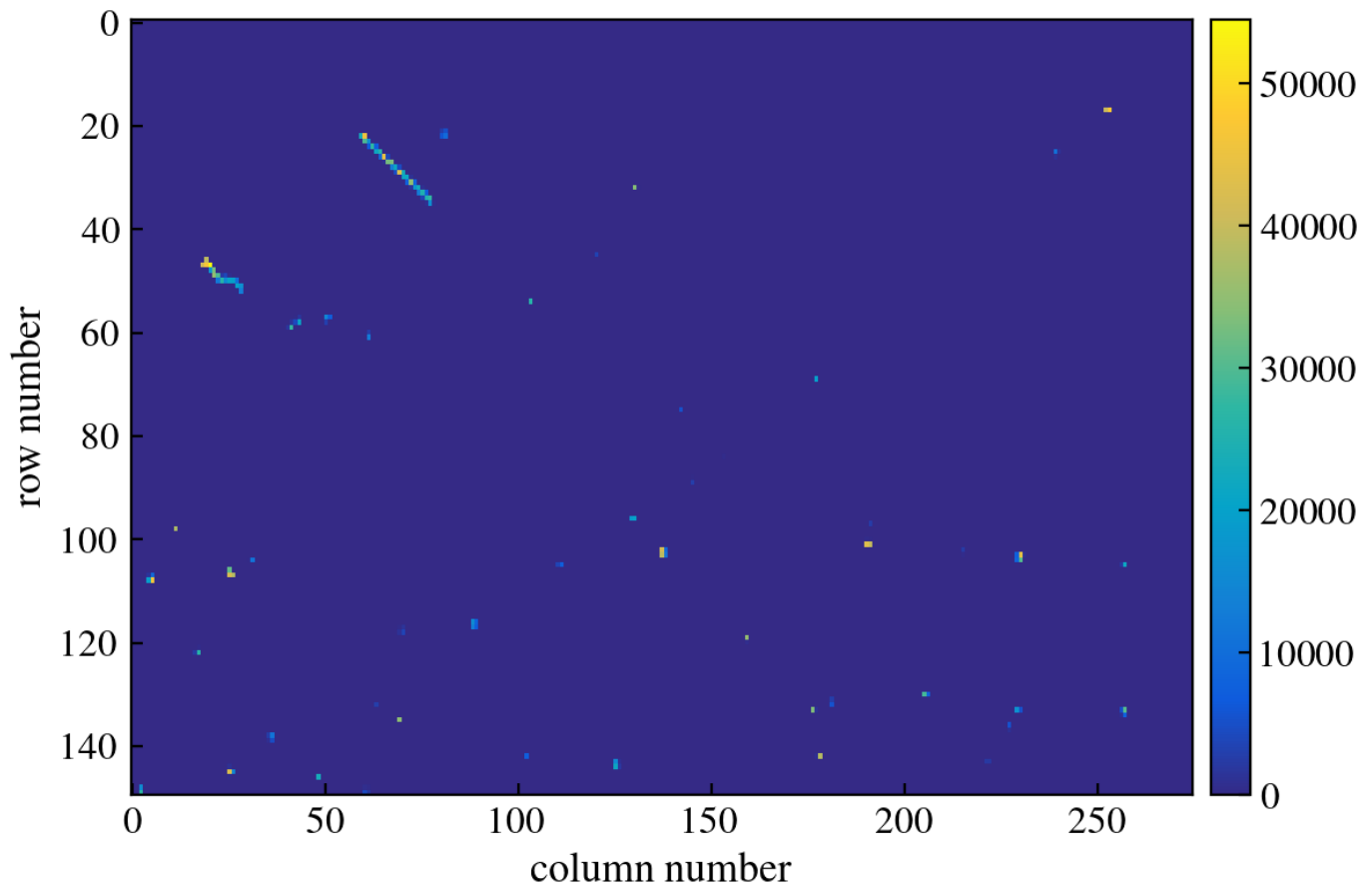


Figure 140: CCD Image

CCD Image: run 454, image 197  
[class MECCDImage]

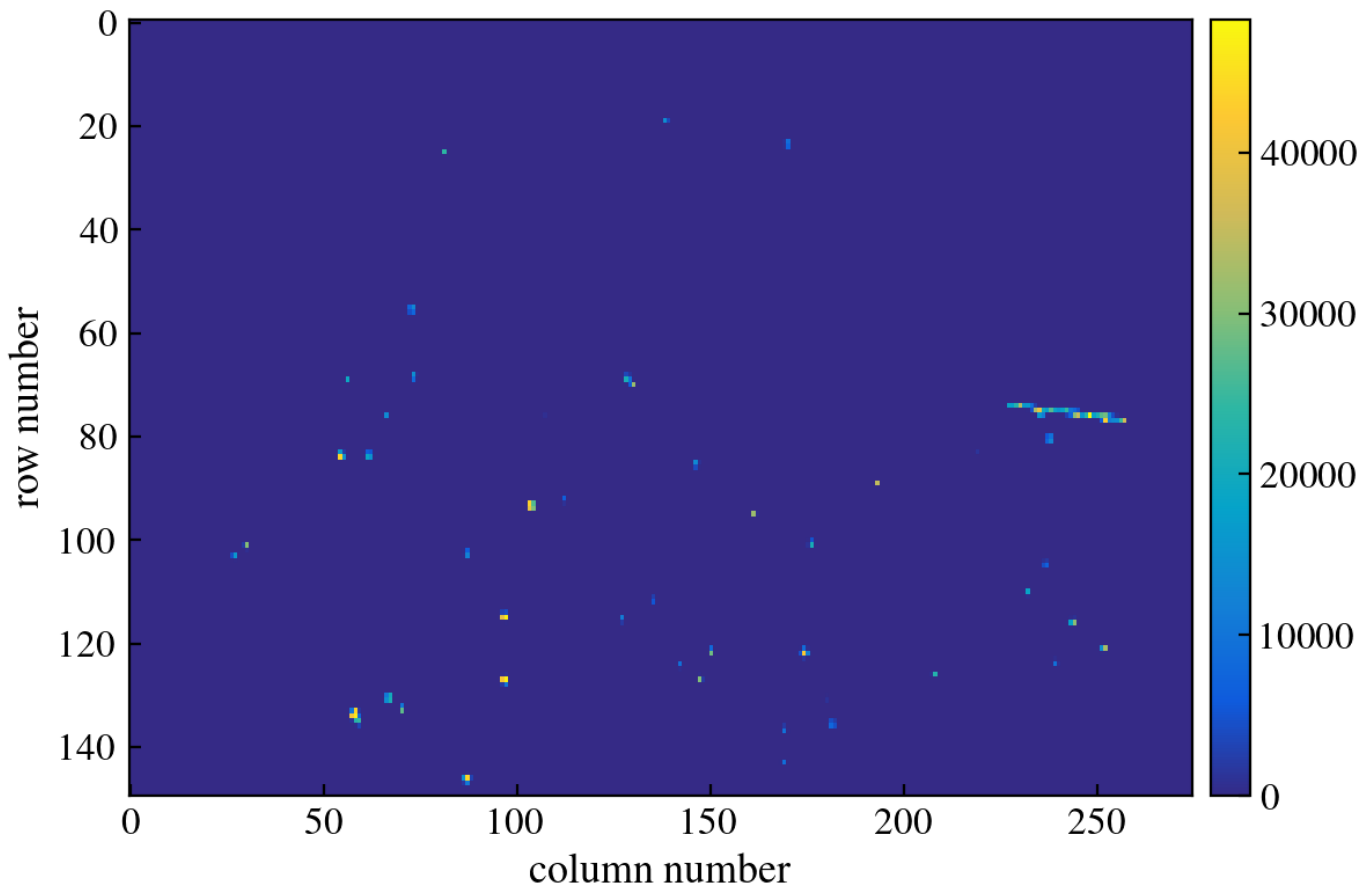


Figure 141: CCD Image

CCD Image: run 454, image 198  
[class MECCDImage]

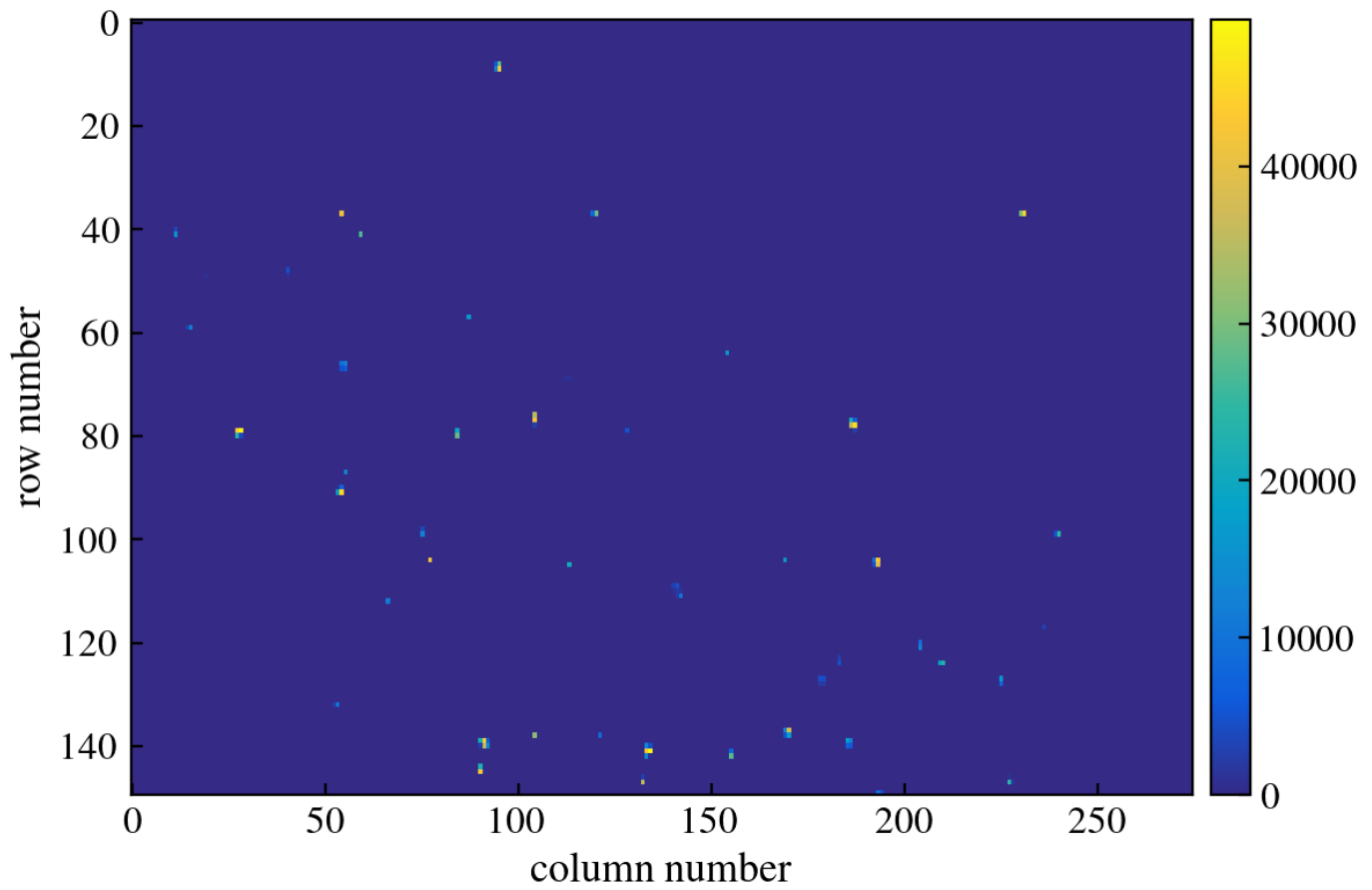


Figure 142: CCD Image

CCD Image: run 454, image 199  
[class MECCDImage]

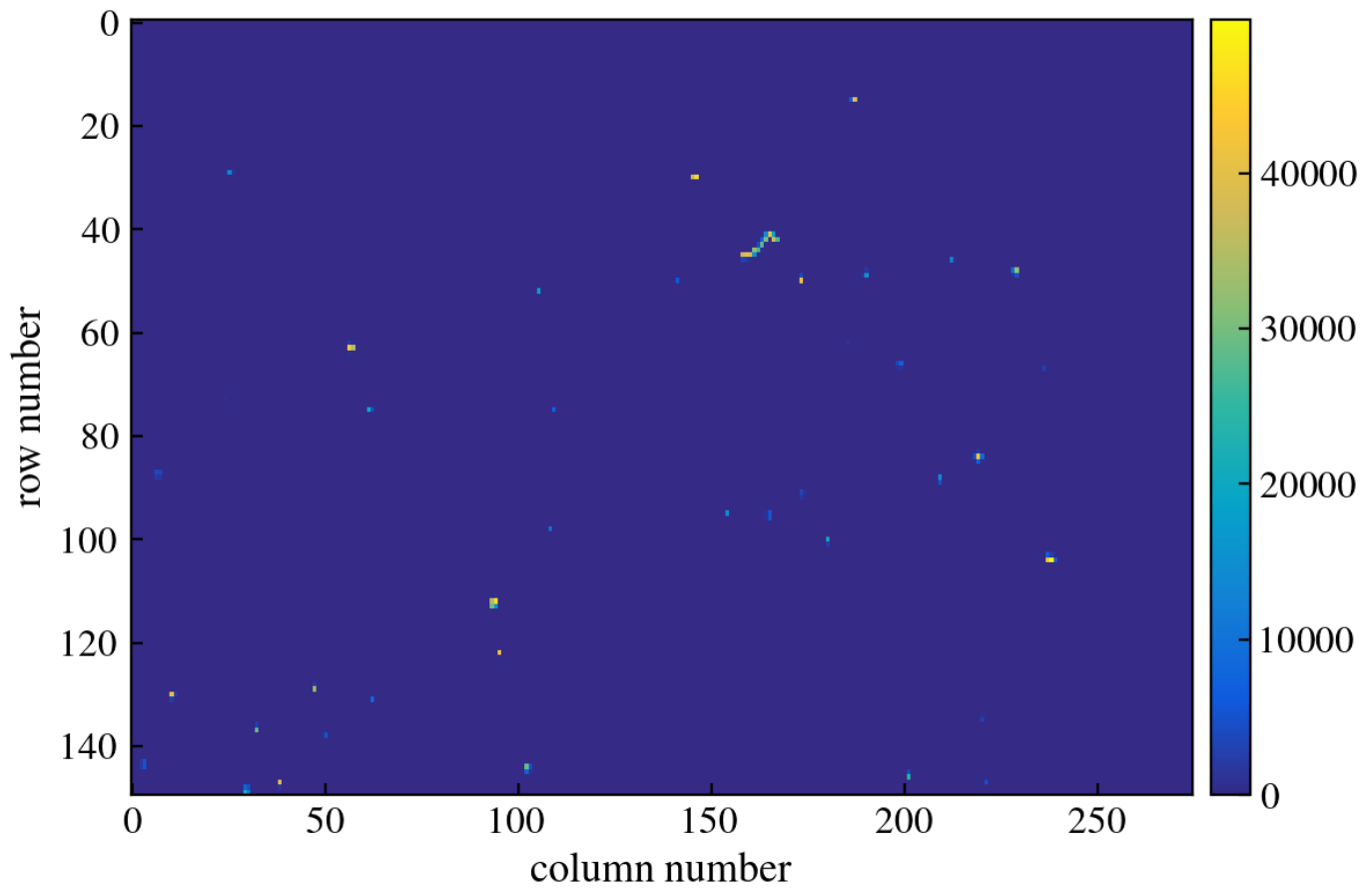


Figure 143: CCD Image



CCD Image: run 454, image 2  
[class MECCDImage]

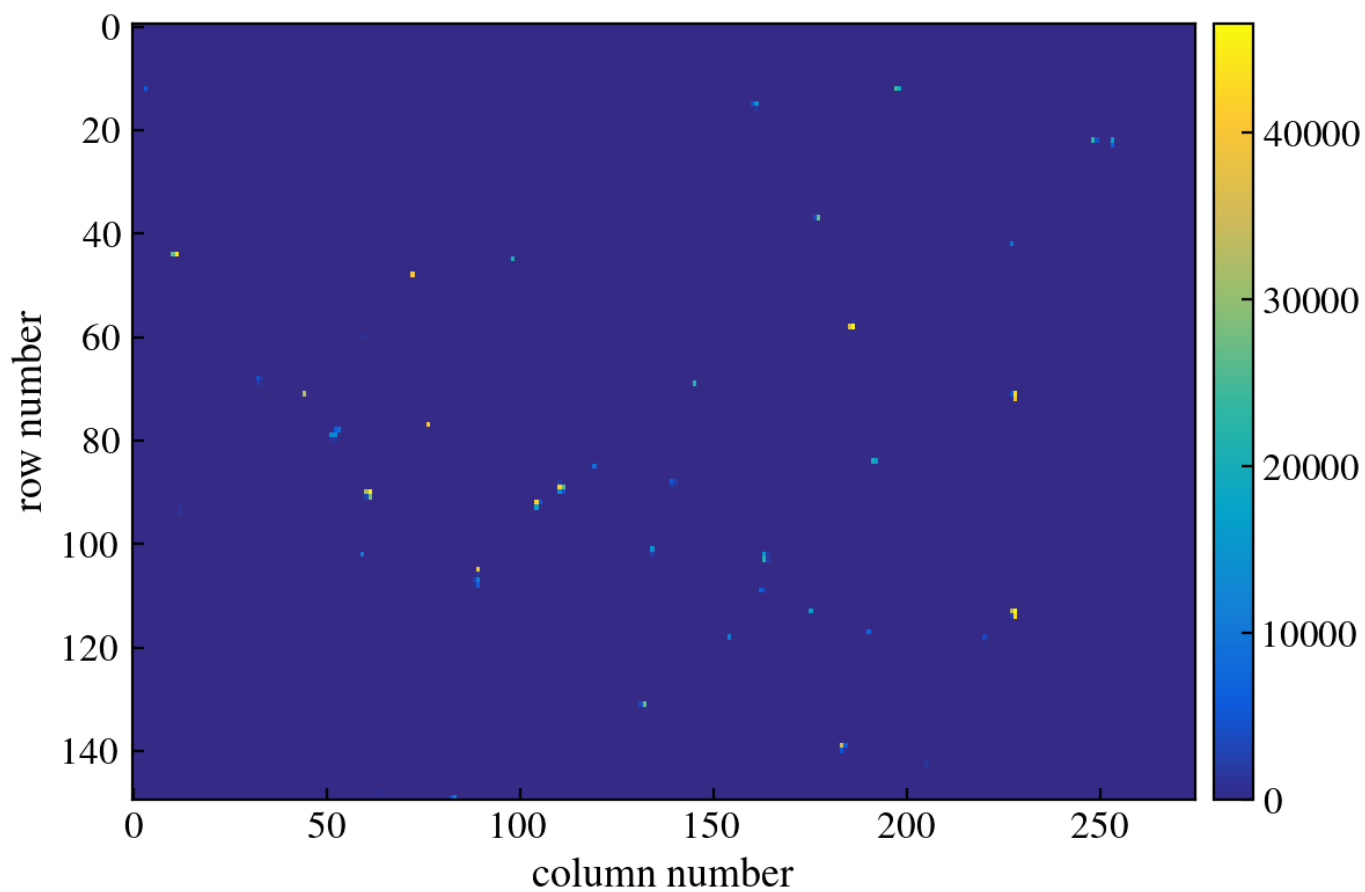


Figure 144: CCD Image

CCD Image: run 454, image 20  
[class MECCDImage]

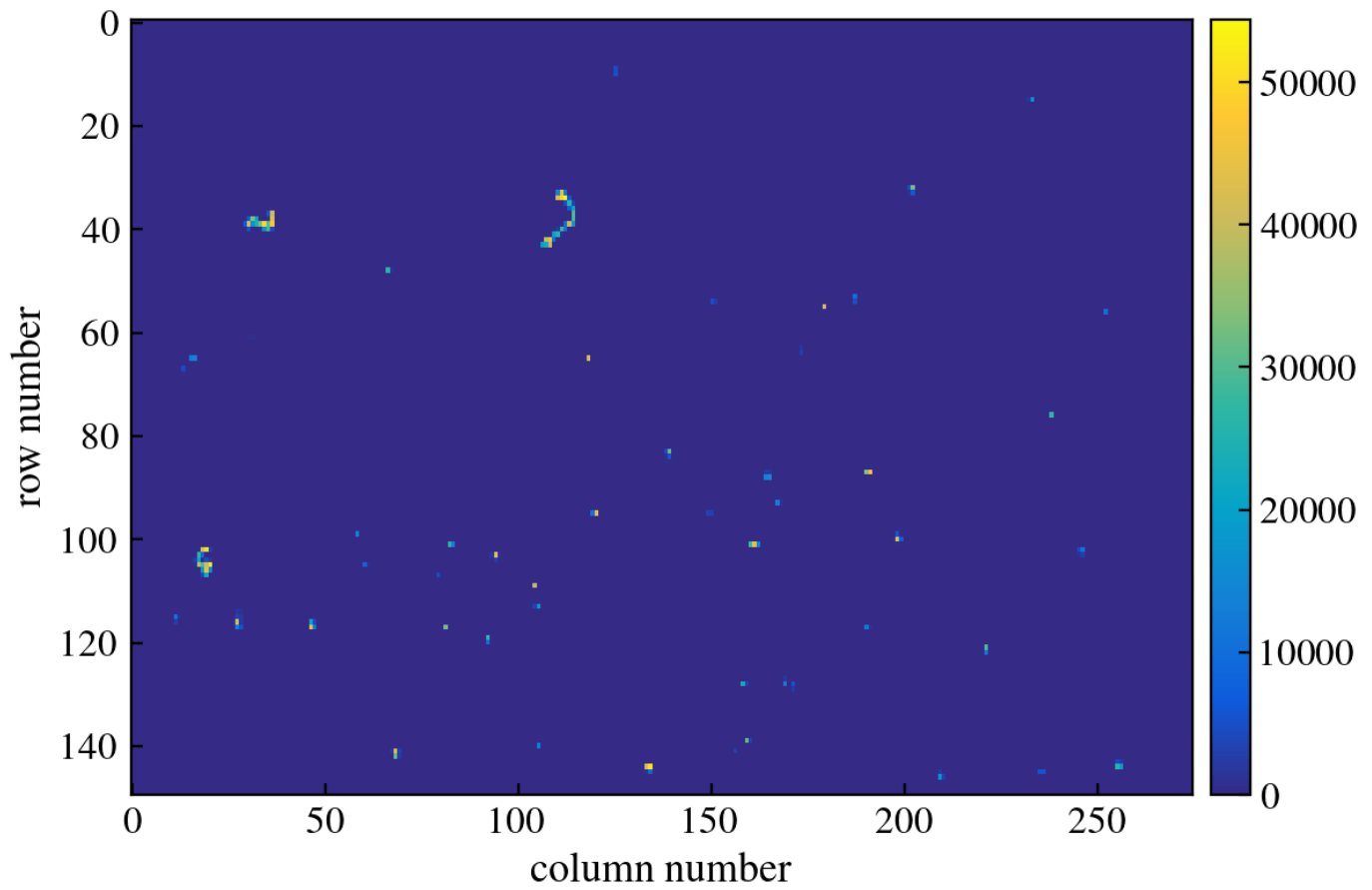


Figure 145: CCD Image

CCD Image: run 454, image 200  
[class MECCDImage]

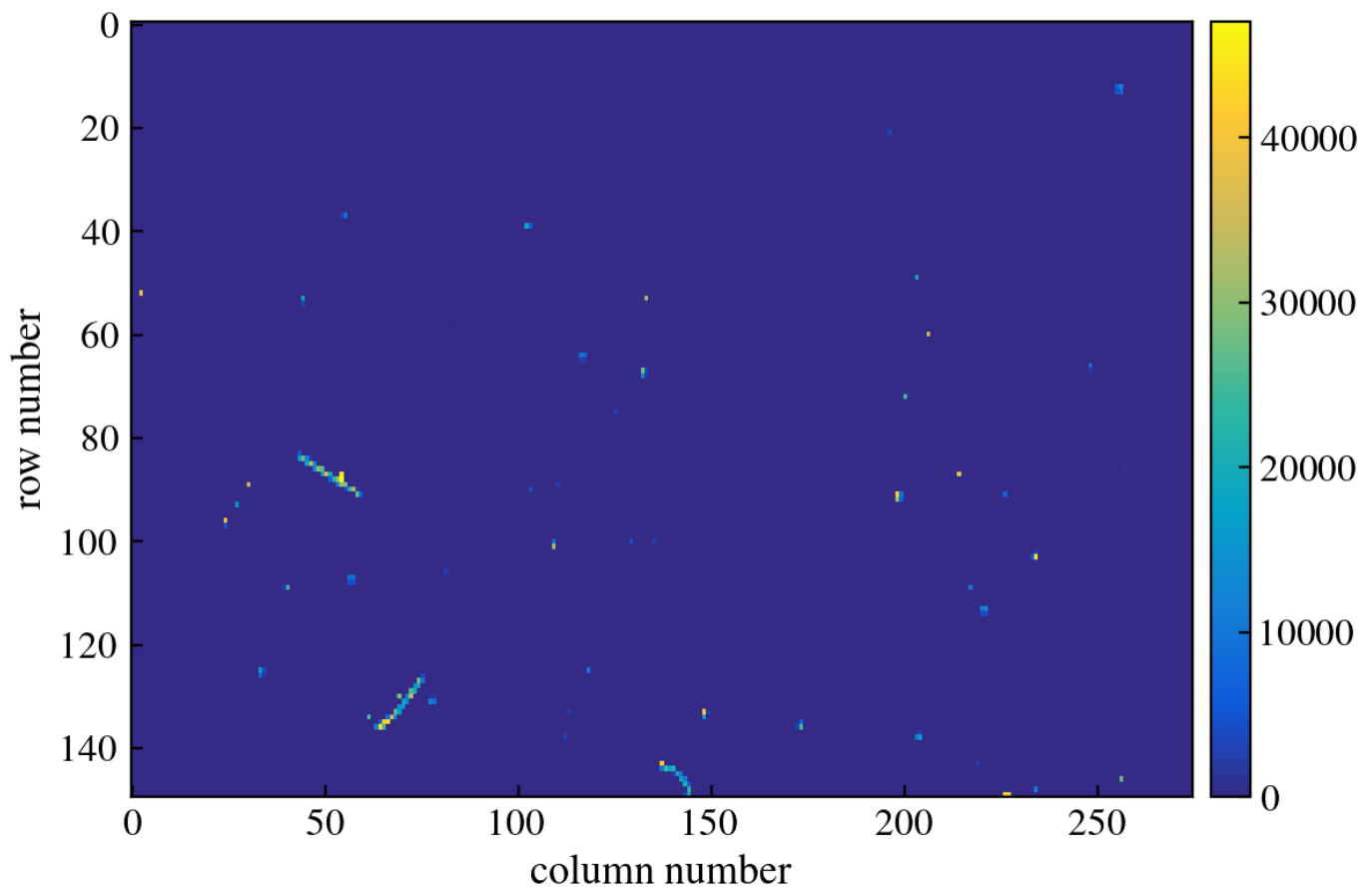


Figure 146: CCD Image

CCD Image: run 454, image 201  
[class MECCDImage]

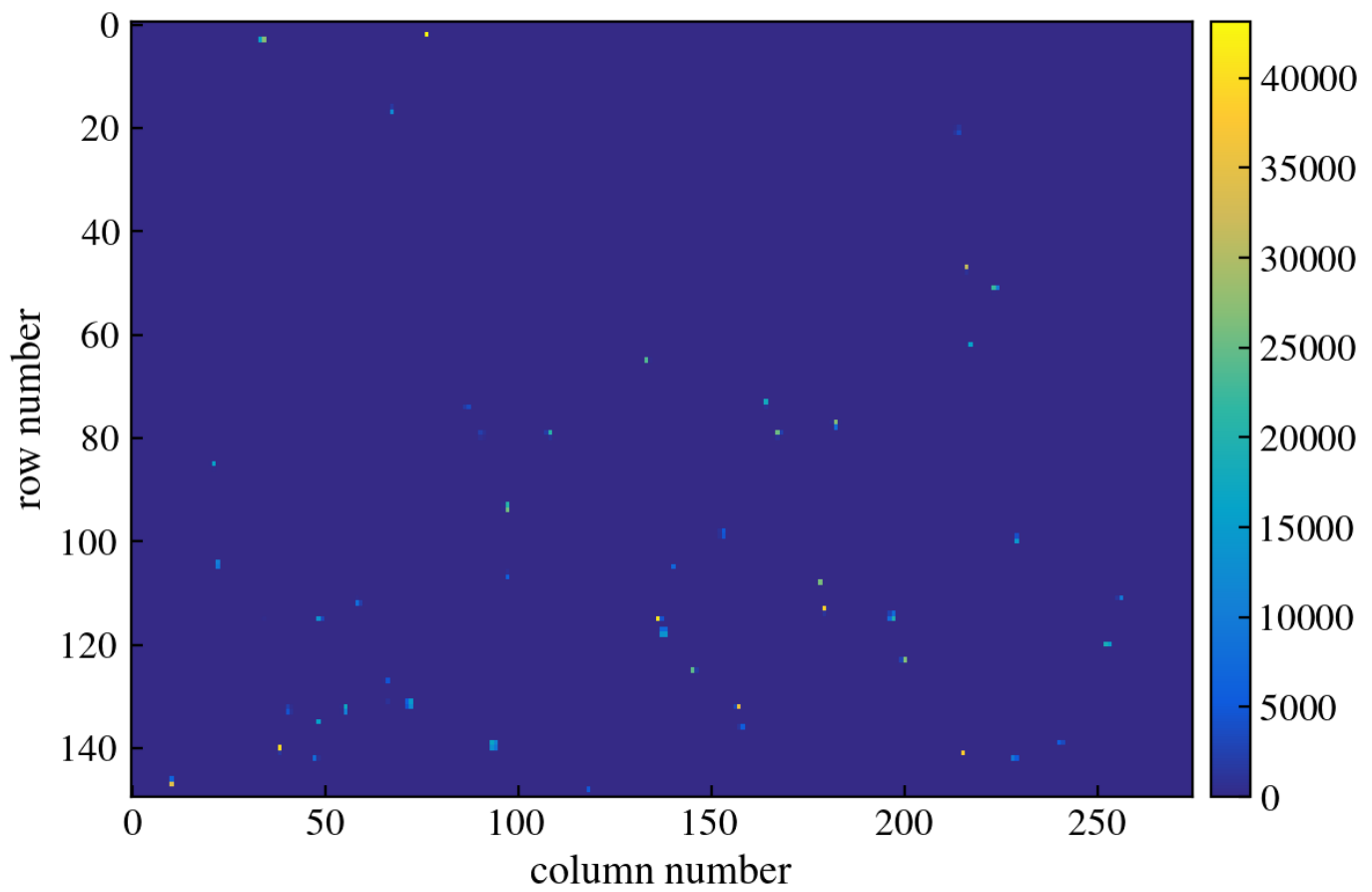


Figure 147: CCD Image

CCD Image: run 454, image 202  
[class MECCDImage]

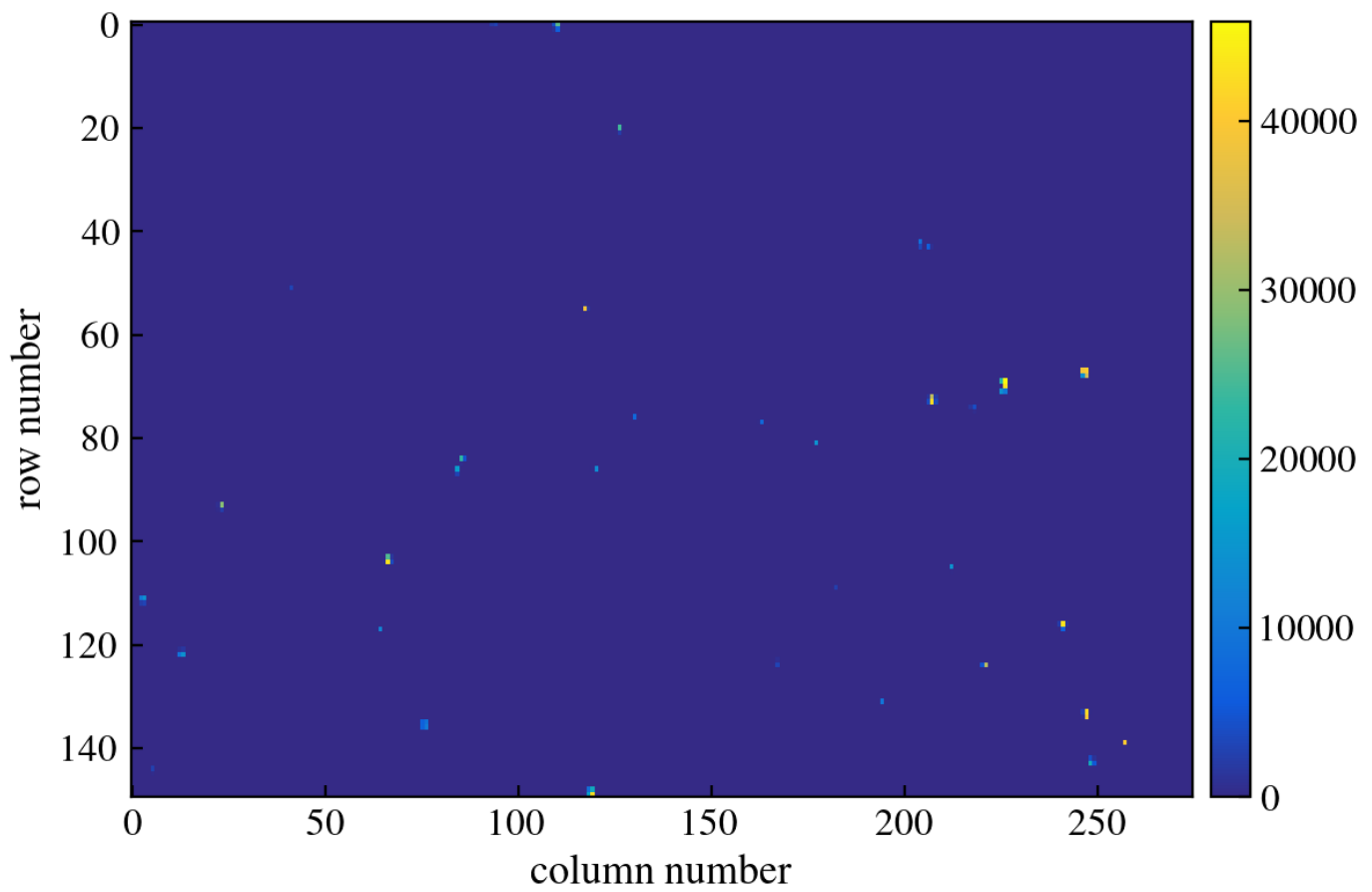


Figure 148: CCD Image

CCD Image: run 454, image 203  
[class MECCDImage]

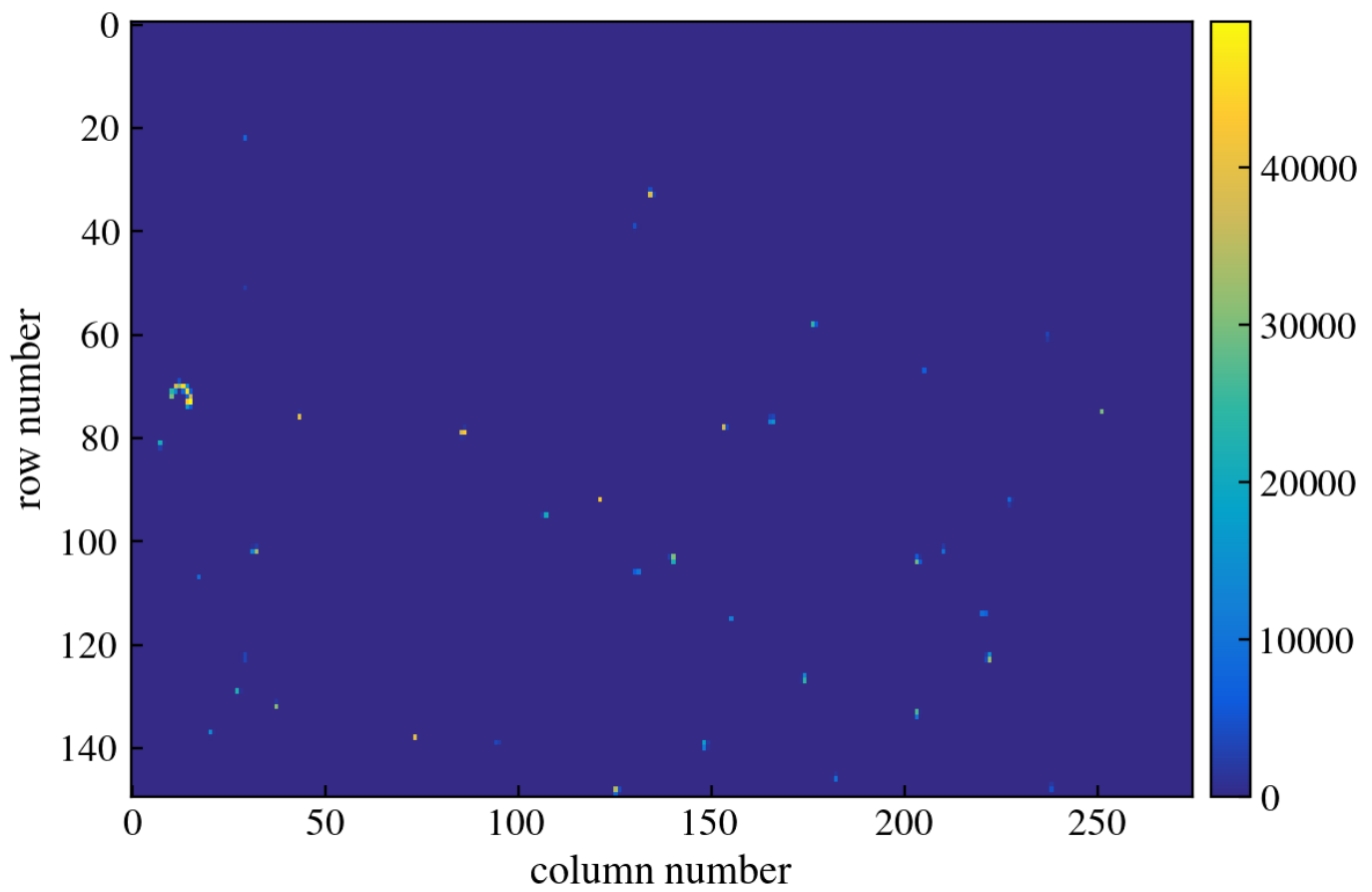


Figure 149: CCD Image

CCD Image: run 454, image 204  
[class MECCDImage]

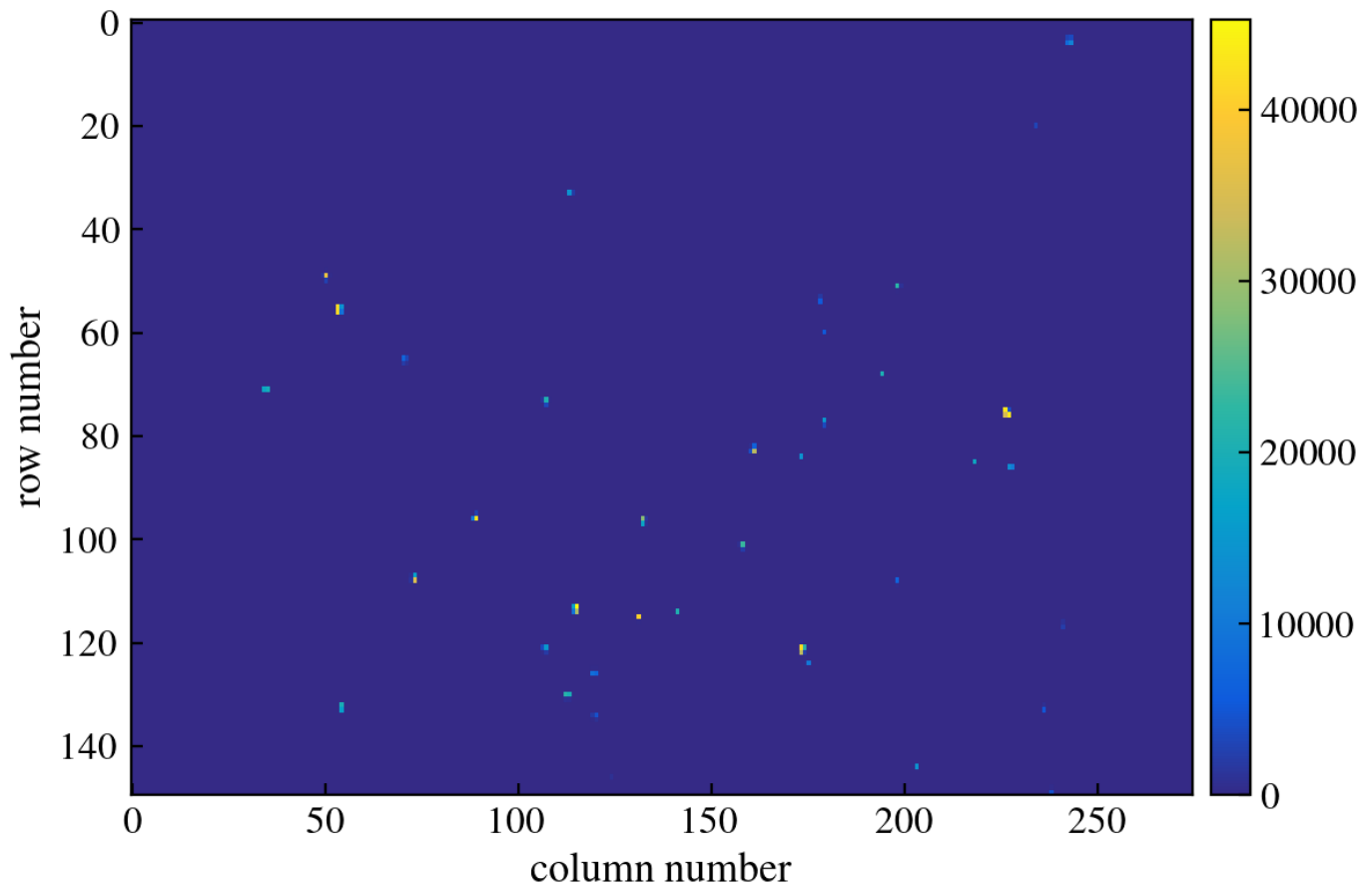


Figure 150: CCD Image

CCD Image: run 454, image 205  
[class MECCDImage]

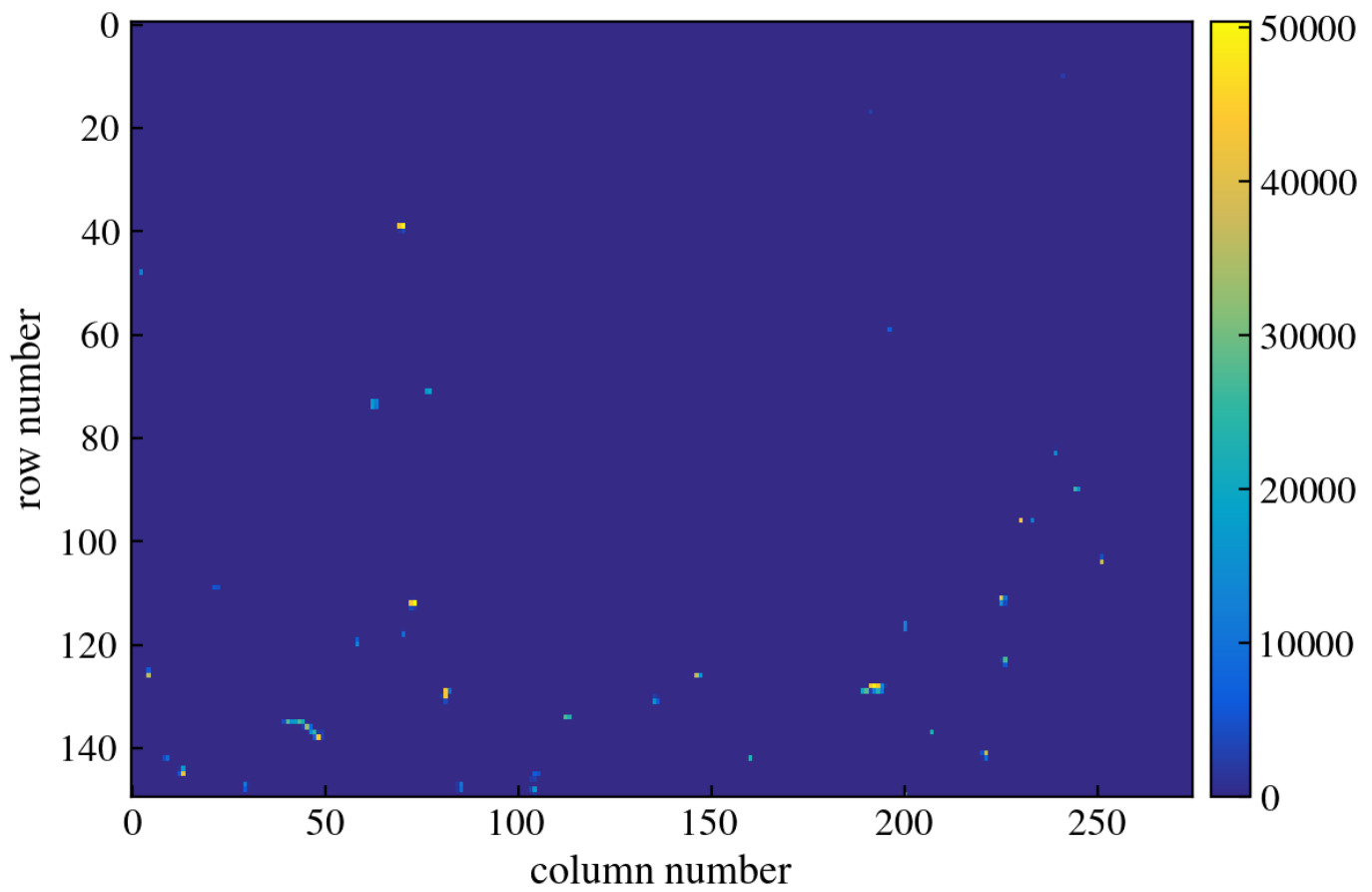


Figure 151: CCD Image



CCD Image: run 454, image 206  
[class MECCDImage]

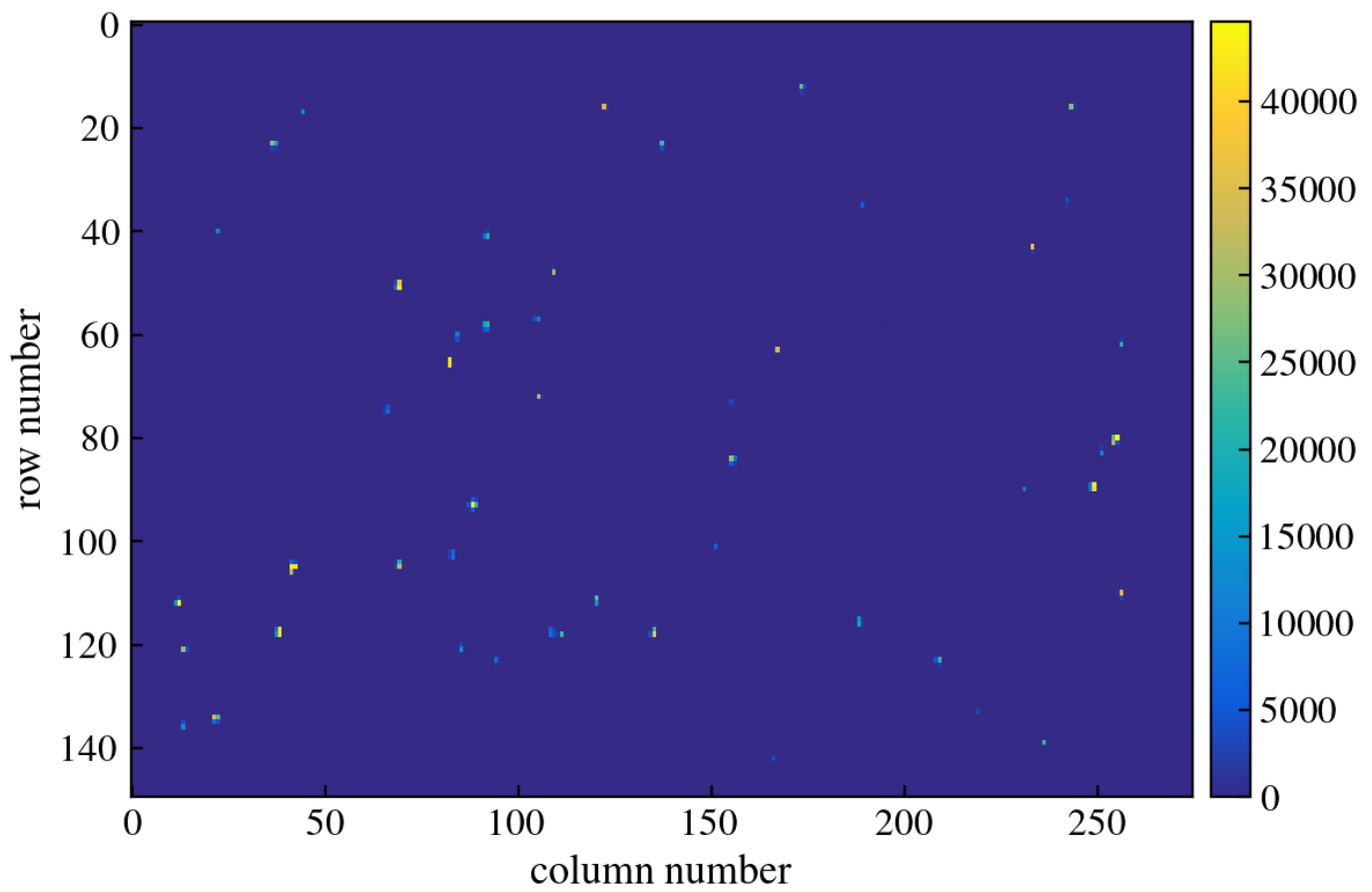


Figure 152: CCD Image

CCD Image: run 454, image 207  
[class MECCDImage]

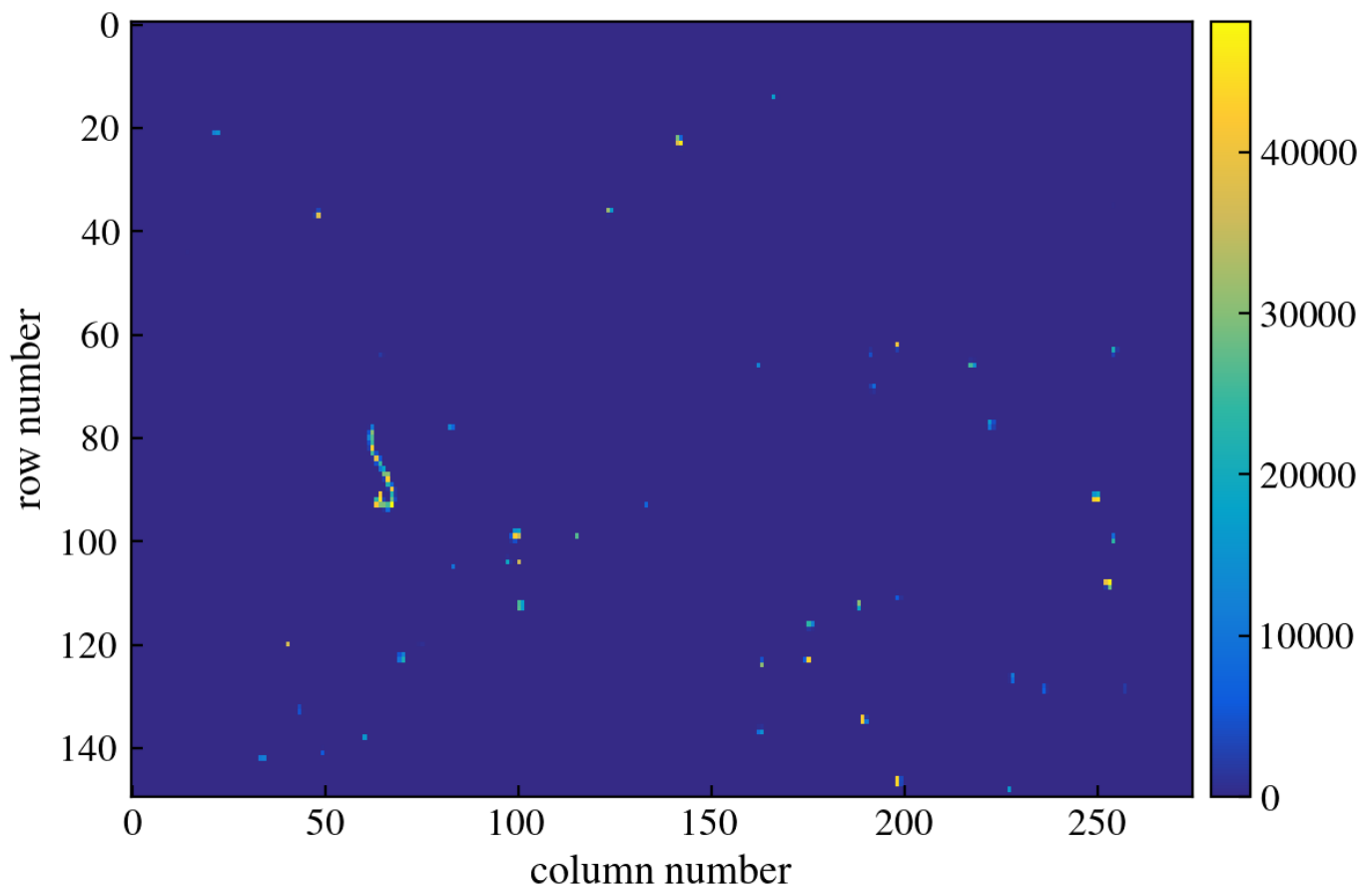


Figure 153: CCD Image

CCD Image: run 454, image 208  
[class MECCDImage]

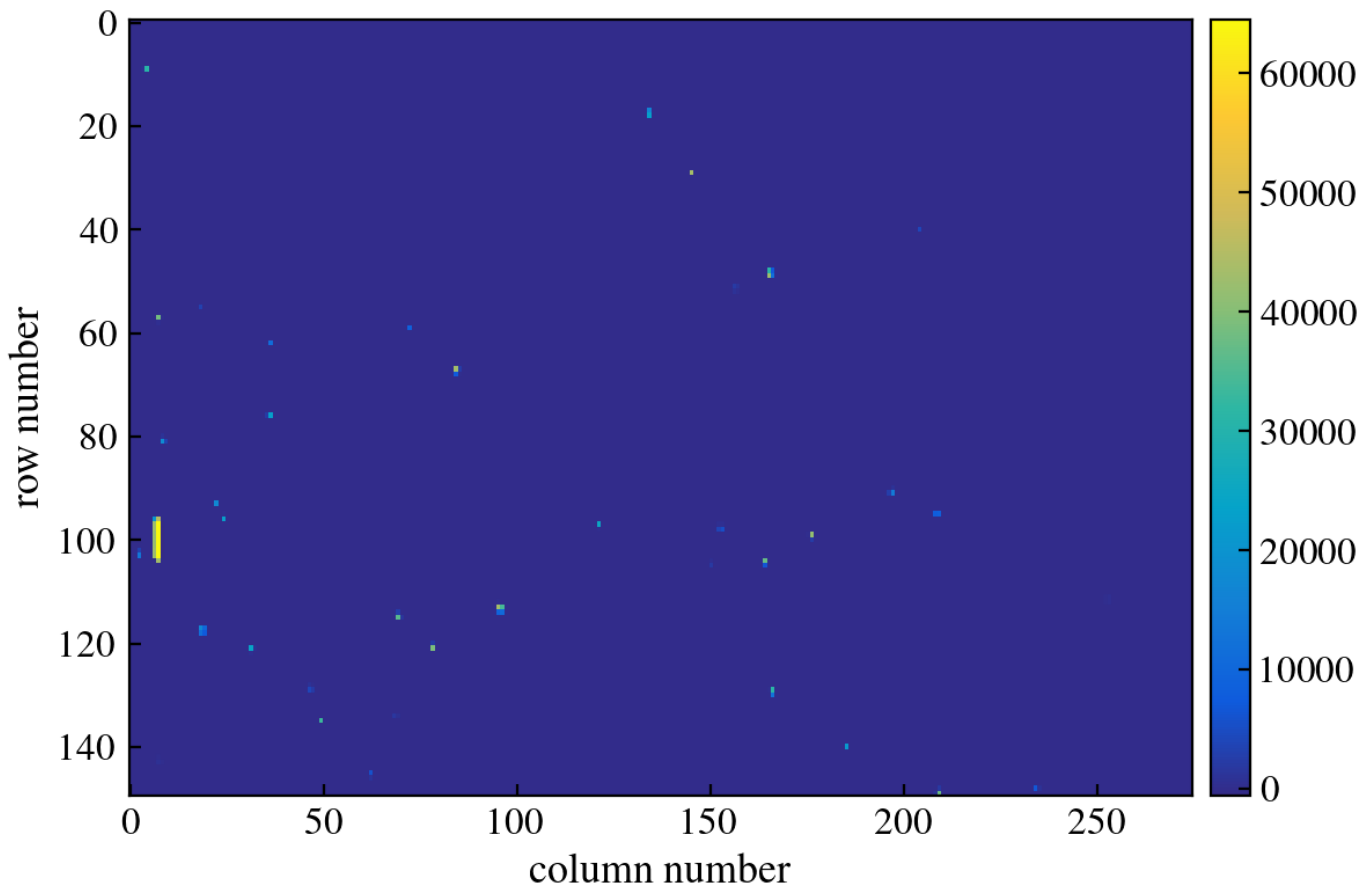


Figure 154: CCD Image

CCD Image: run 454, image 209  
[class MECCDImage]

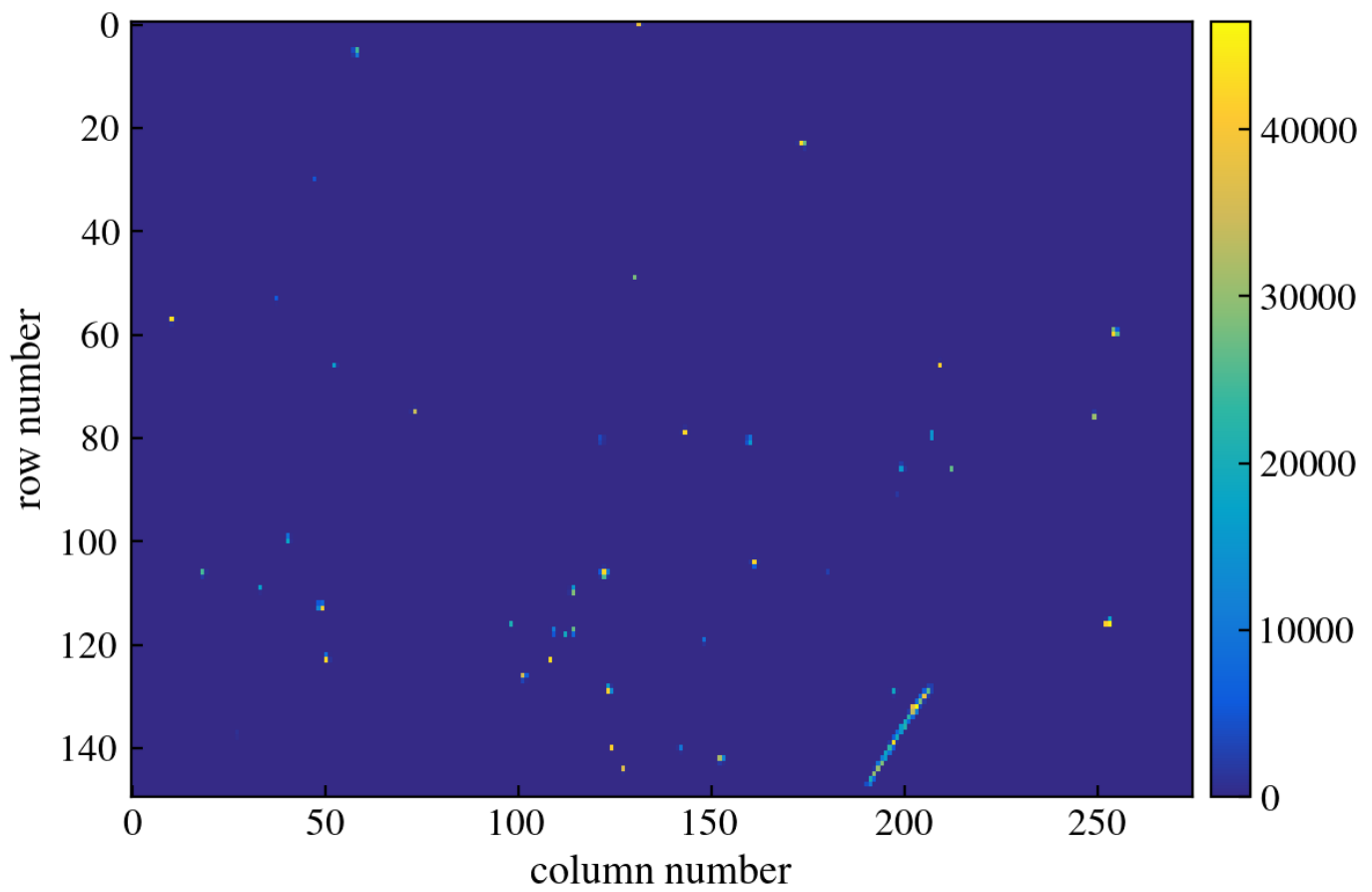


Figure 155: CCD Image

CCD Image: run 454, image 21  
[class MECCDImage]

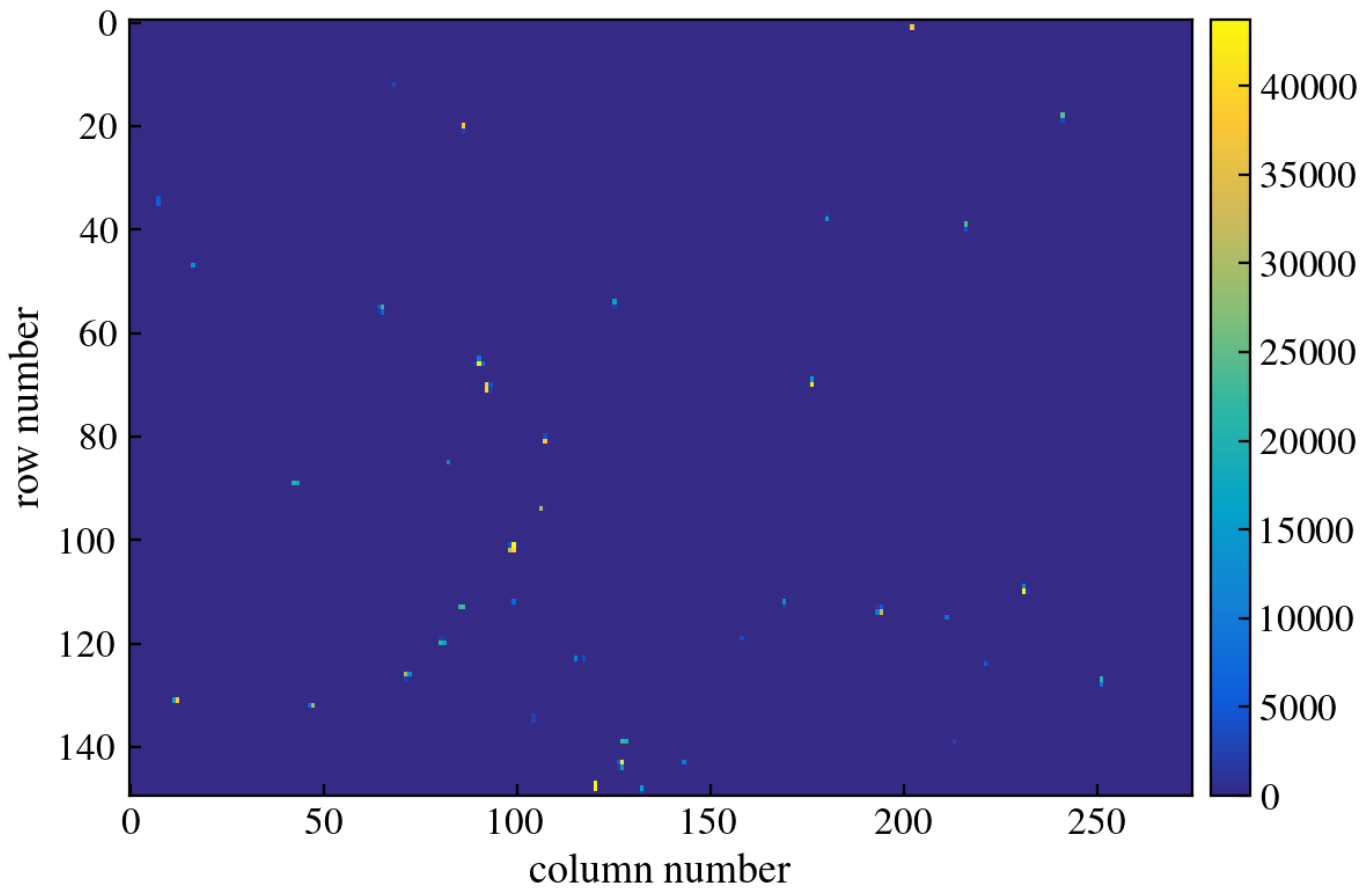


Figure 156: CCD Image

CCD Image: run 454, image 210  
[class MECCDImage]

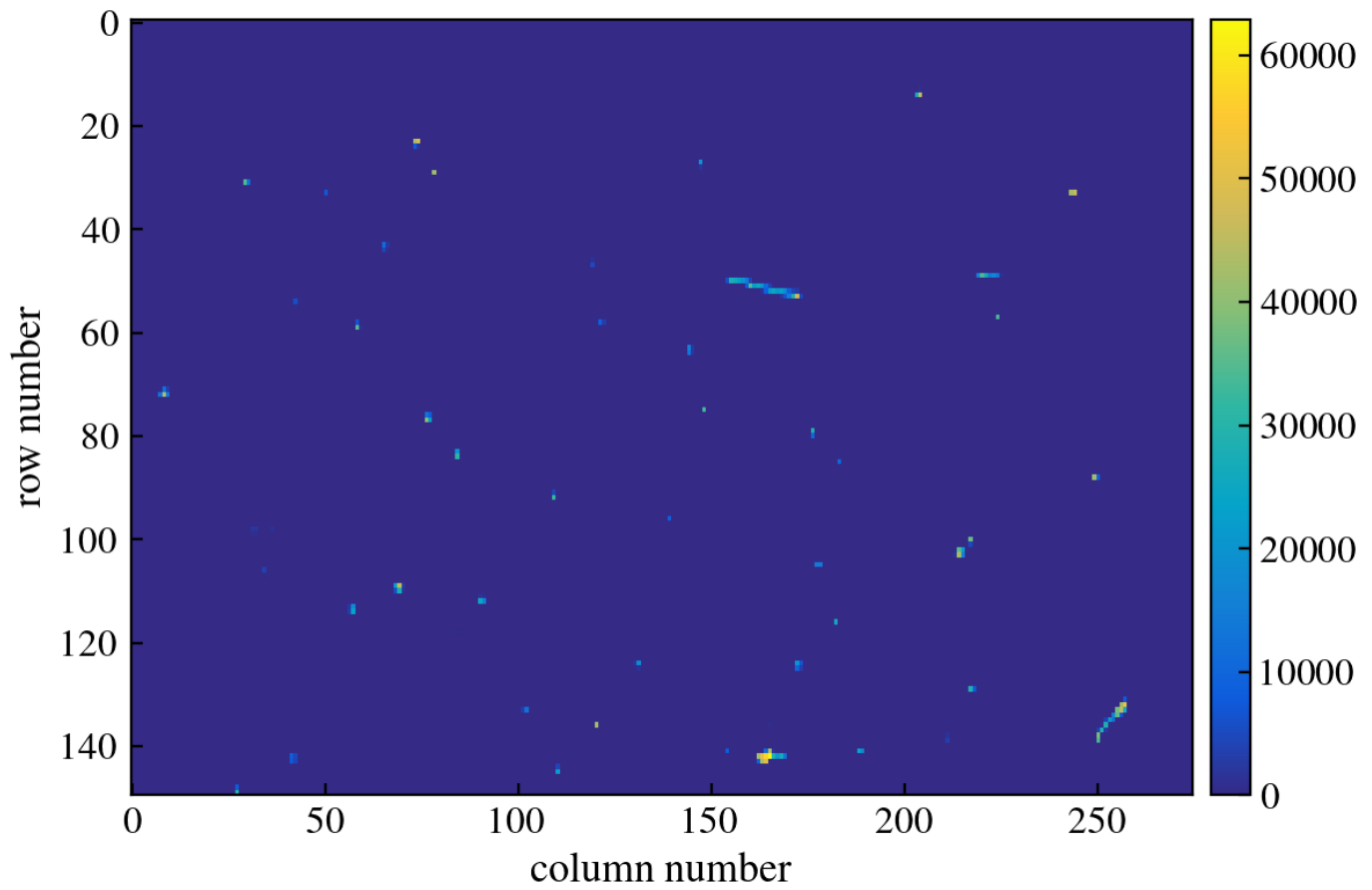


Figure 157: CCD Image

CCD Image: run 454, image 211  
[class MECCDImage]

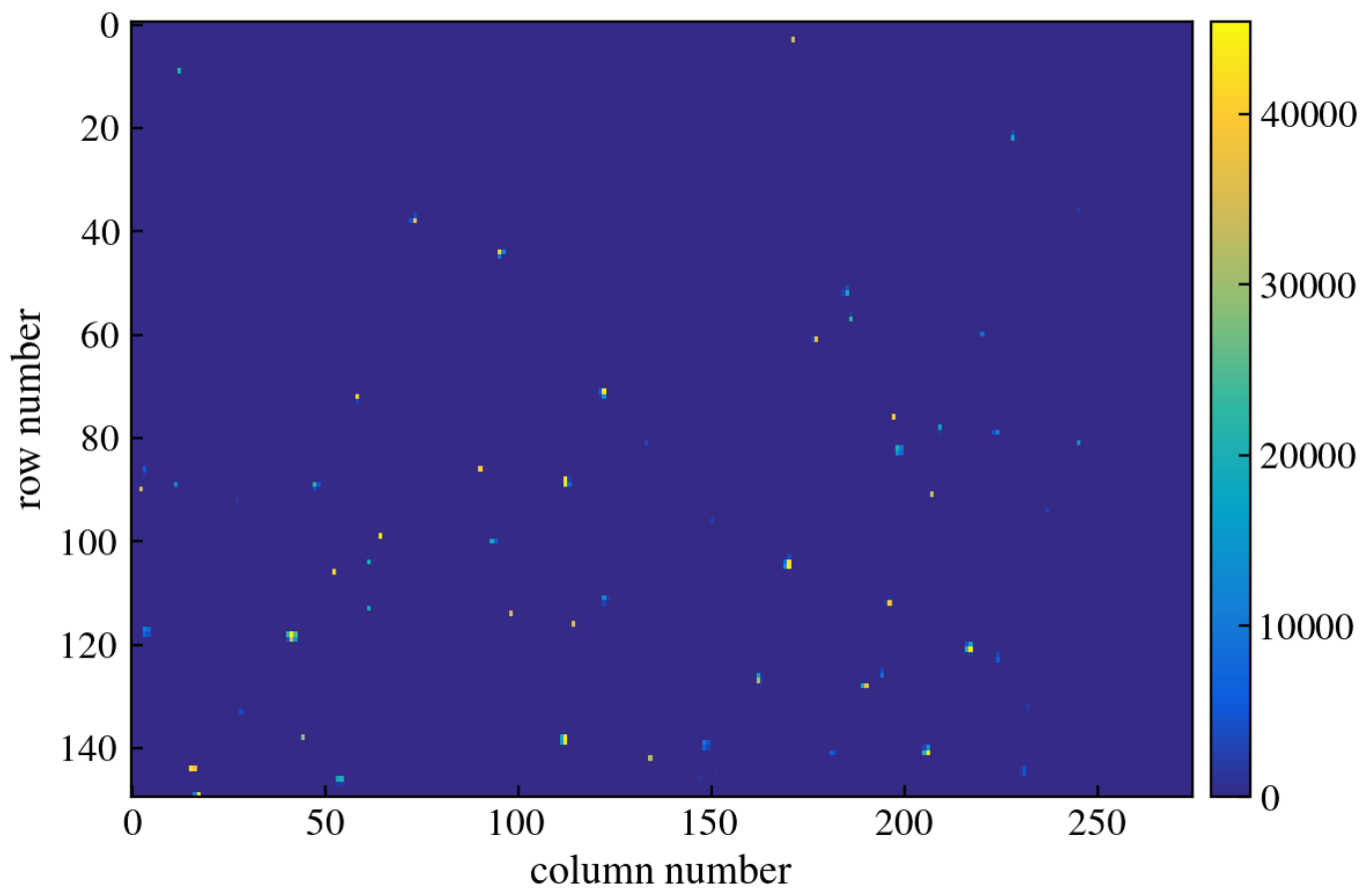


Figure 158: CCD Image

CCD Image: run 454, image 212  
[class MECCDImage]

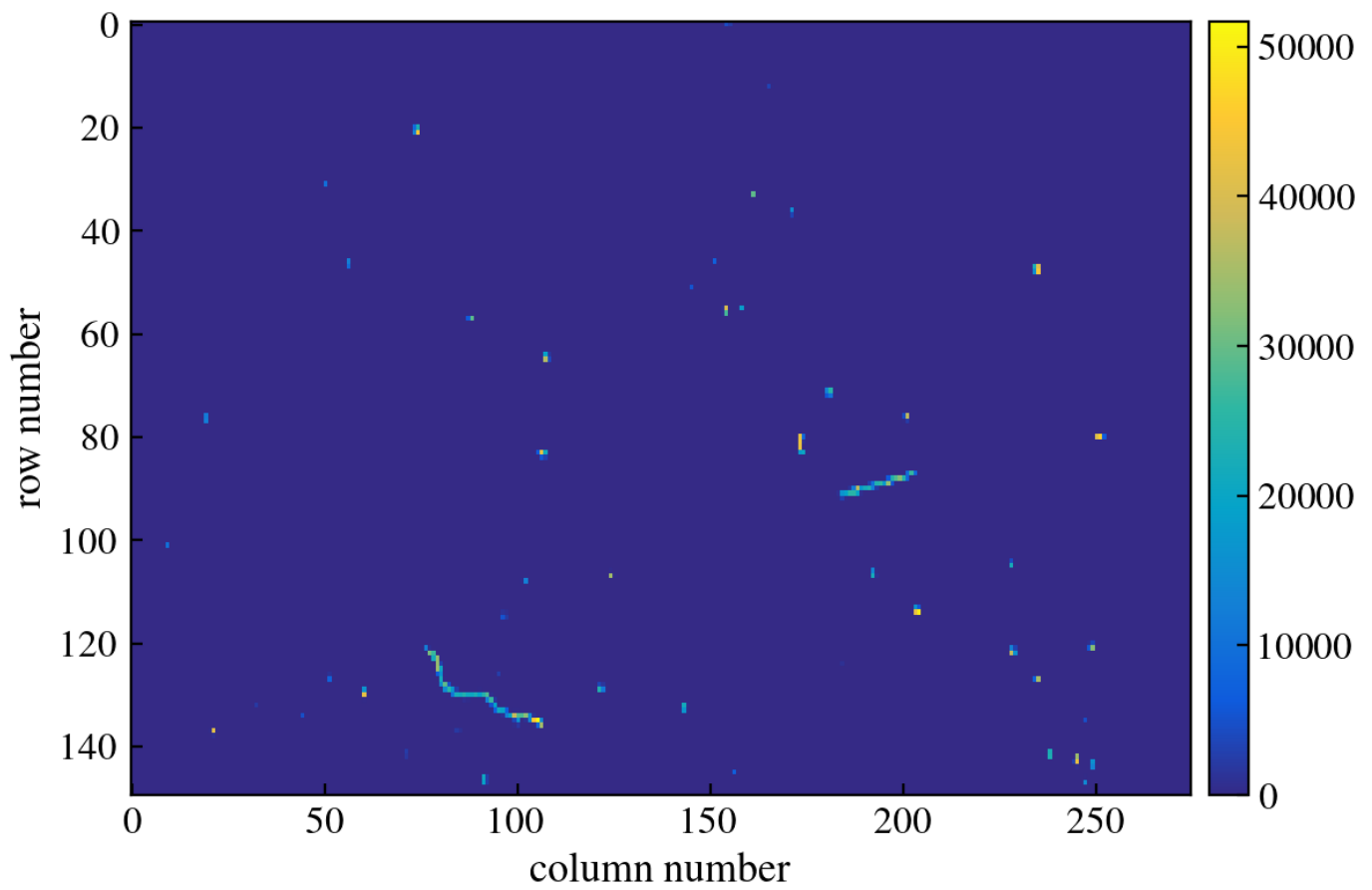


Figure 159: CCD Image



CCD Image: run 454, image 213  
[class MECCDImage]

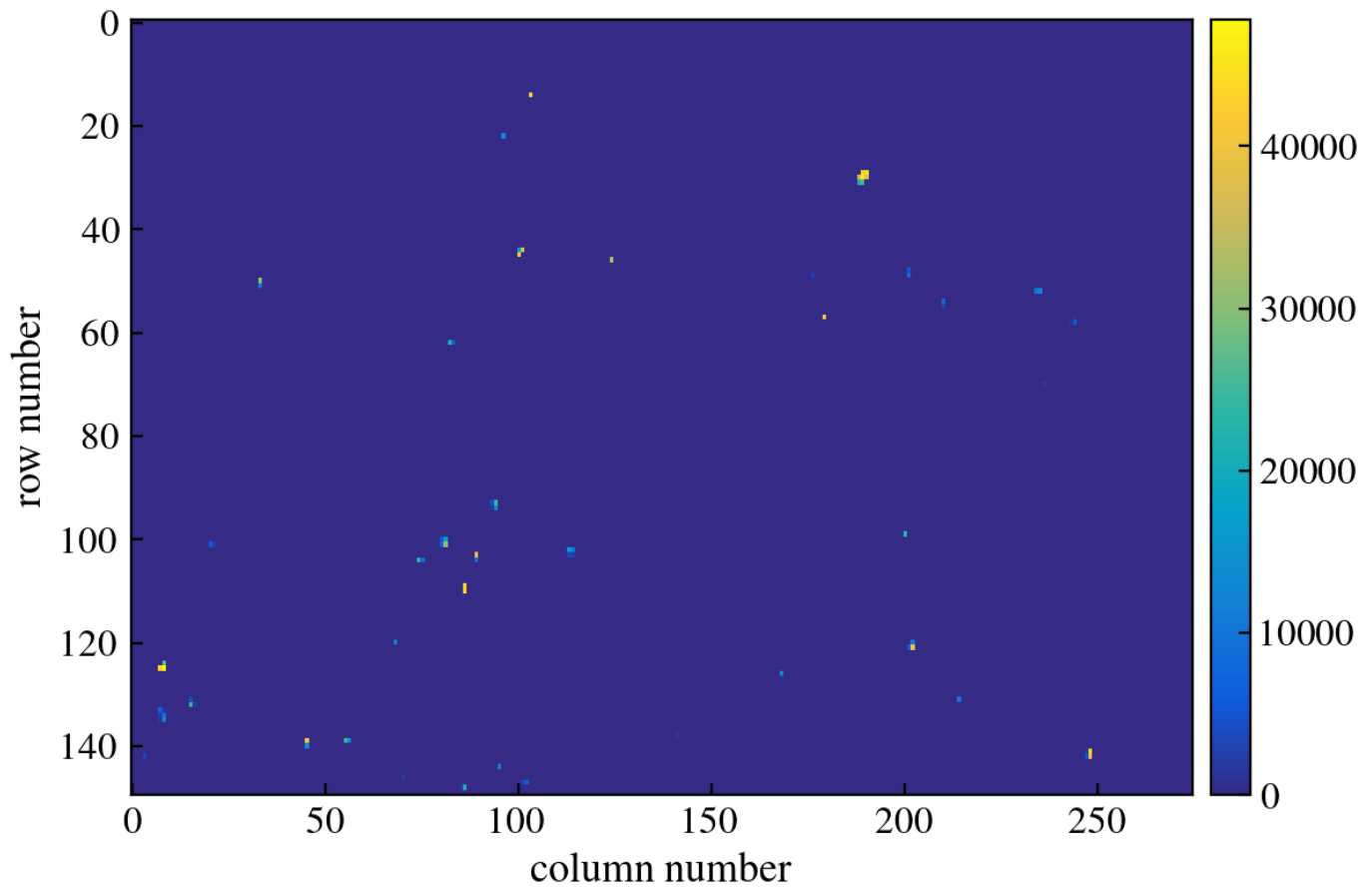


Figure 160: CCD Image

CCD Image: run 454, image 214  
[class MECCDImage]

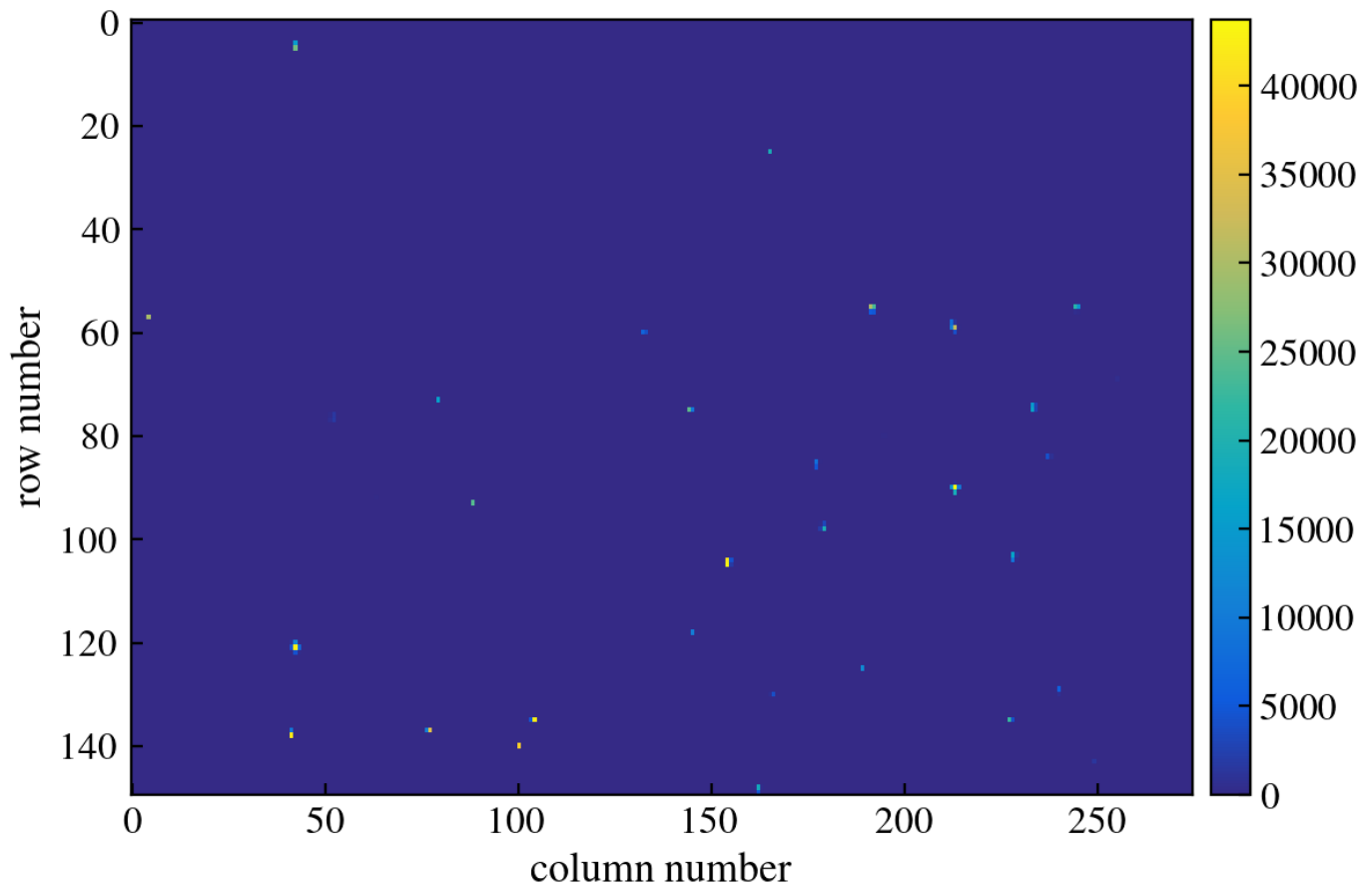


Figure 161: CCD Image

CCD Image: run 454, image 215  
[class MECCDImage]

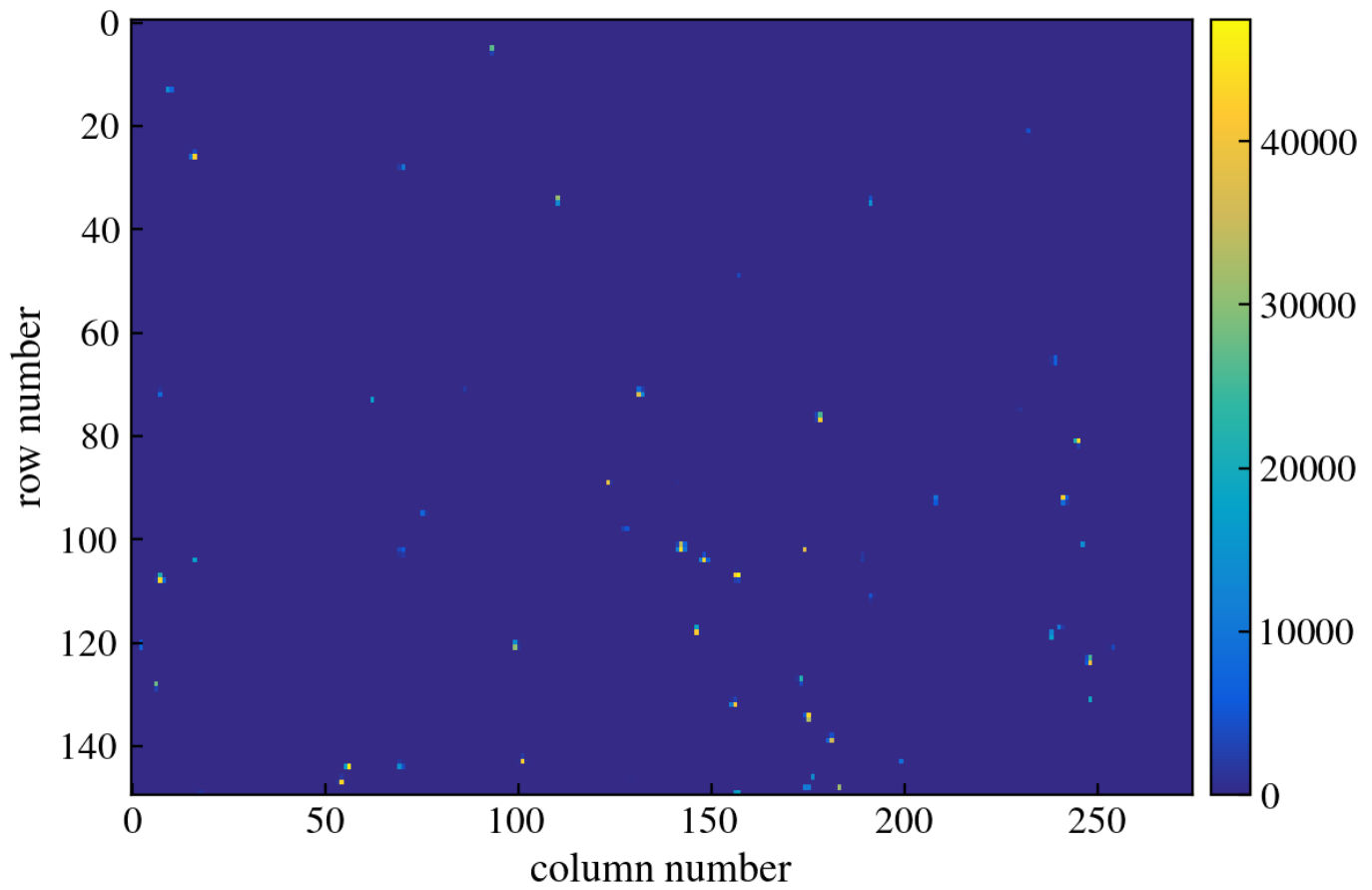


Figure 162: CCD Image

CCD Image: run 454, image 216  
[class MECCDImage]

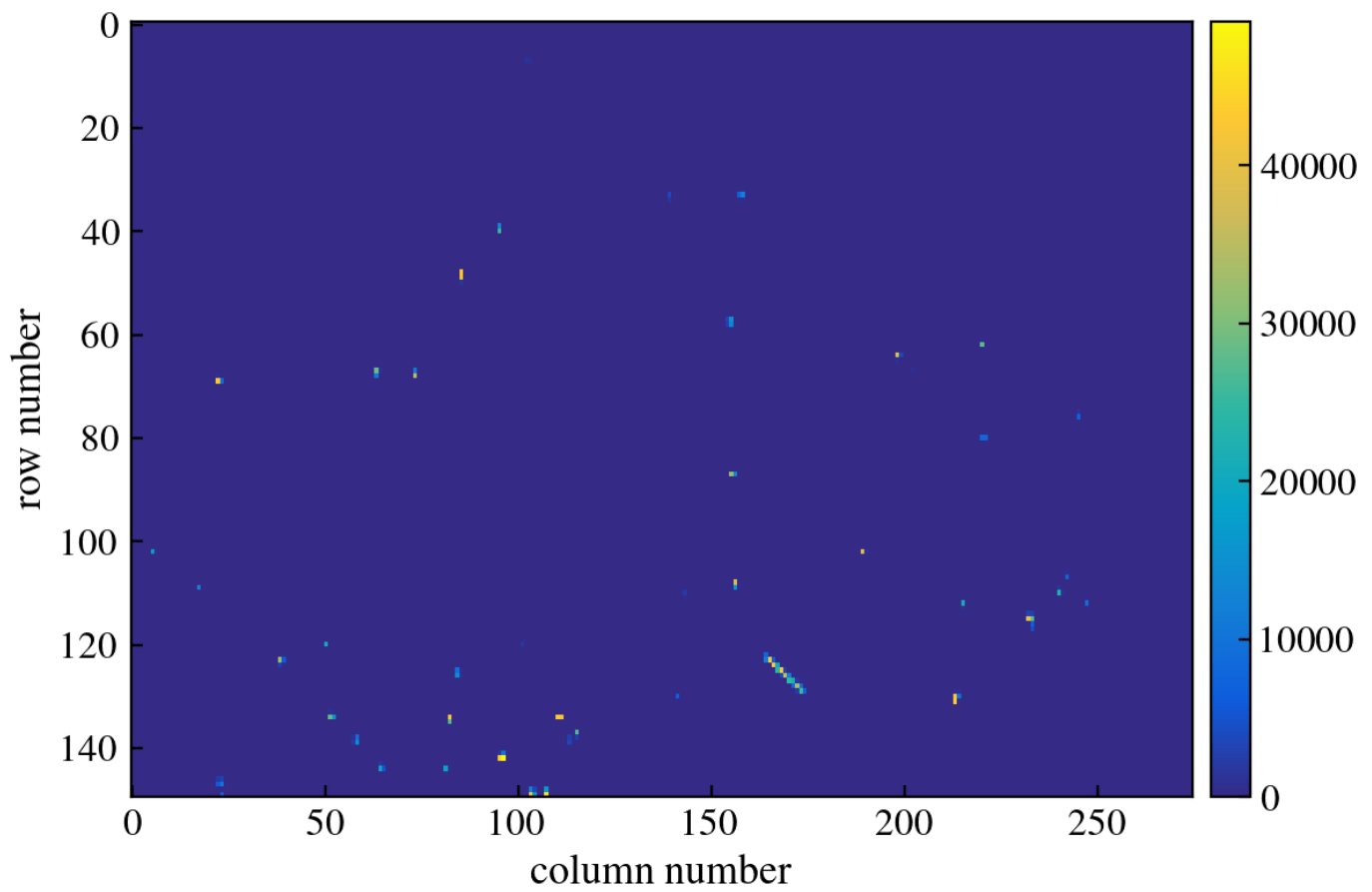


Figure 163: CCD Image

CCD Image: run 454, image 217  
[class MECCDImage]

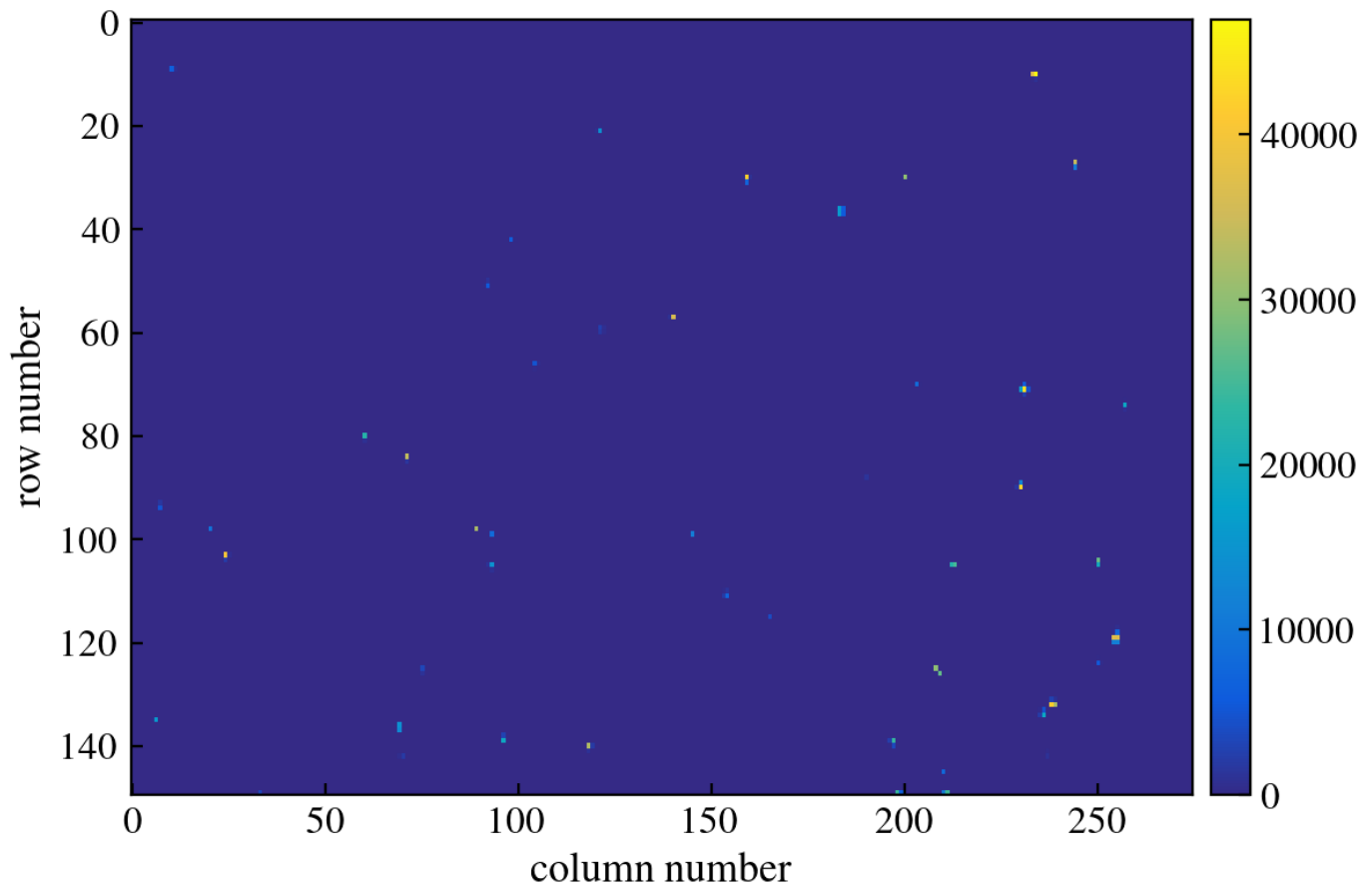


Figure 164: CCD Image

CCD Image: run 454, image 218  
[class MECCDImage]

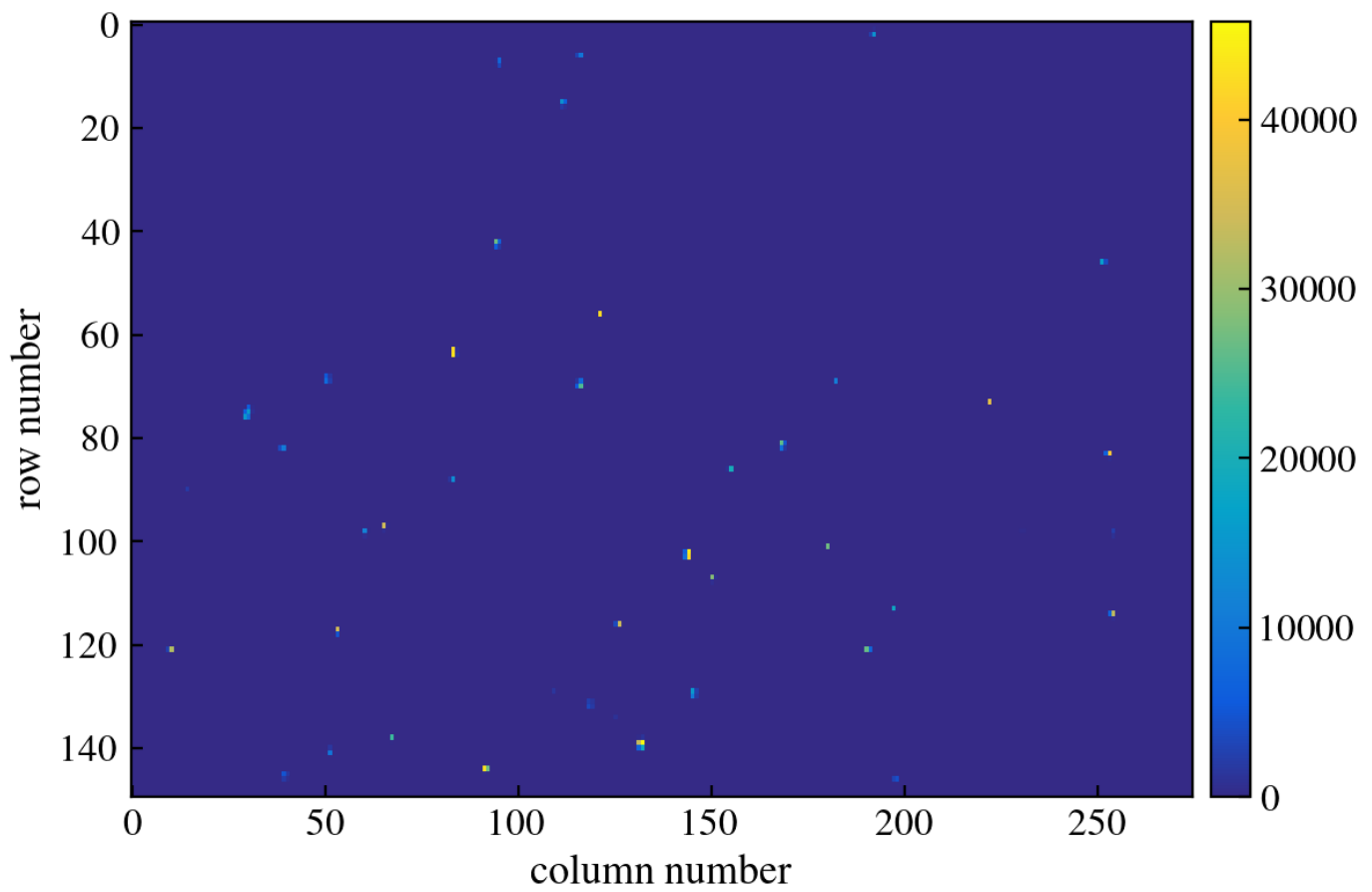


Figure 165: CCD Image

CCD Image: run 454, image 219  
[class MECCDImage]

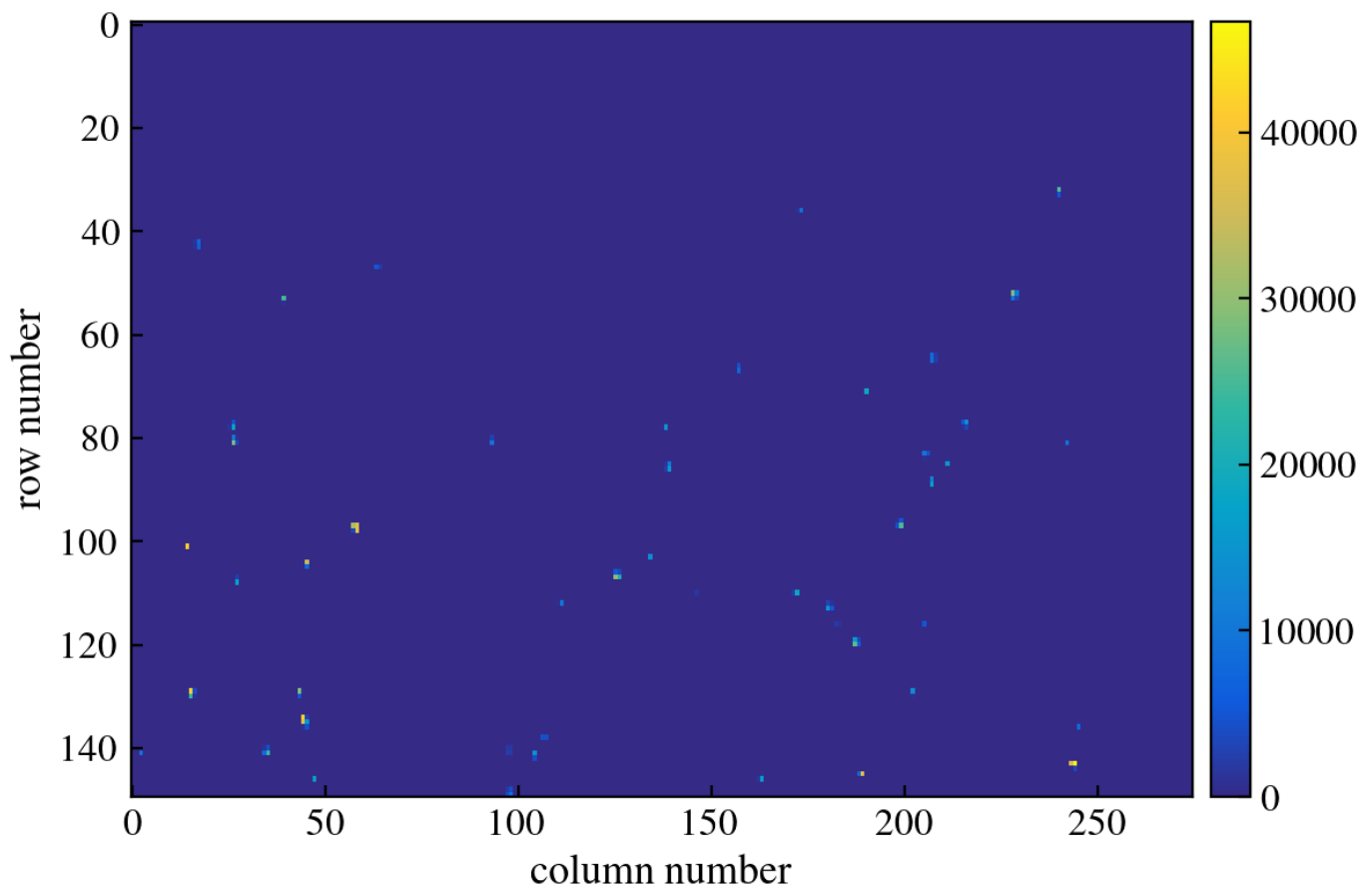


Figure 166: CCD Image

CCD Image: run 454, image 22  
[class MECCDImage]

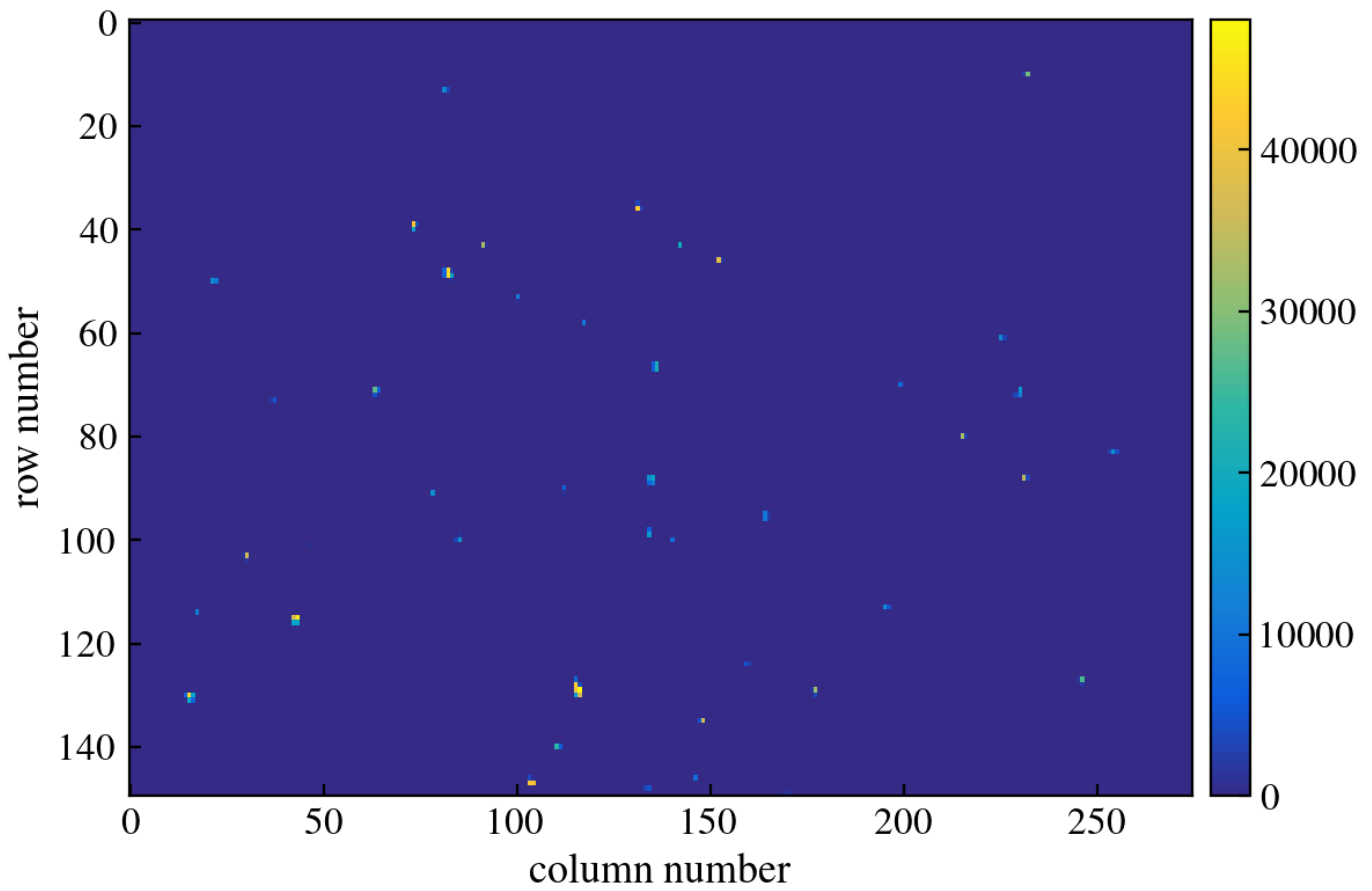


Figure 167: CCD Image



CCD Image: run 454, image 220  
[class MECCDImage]

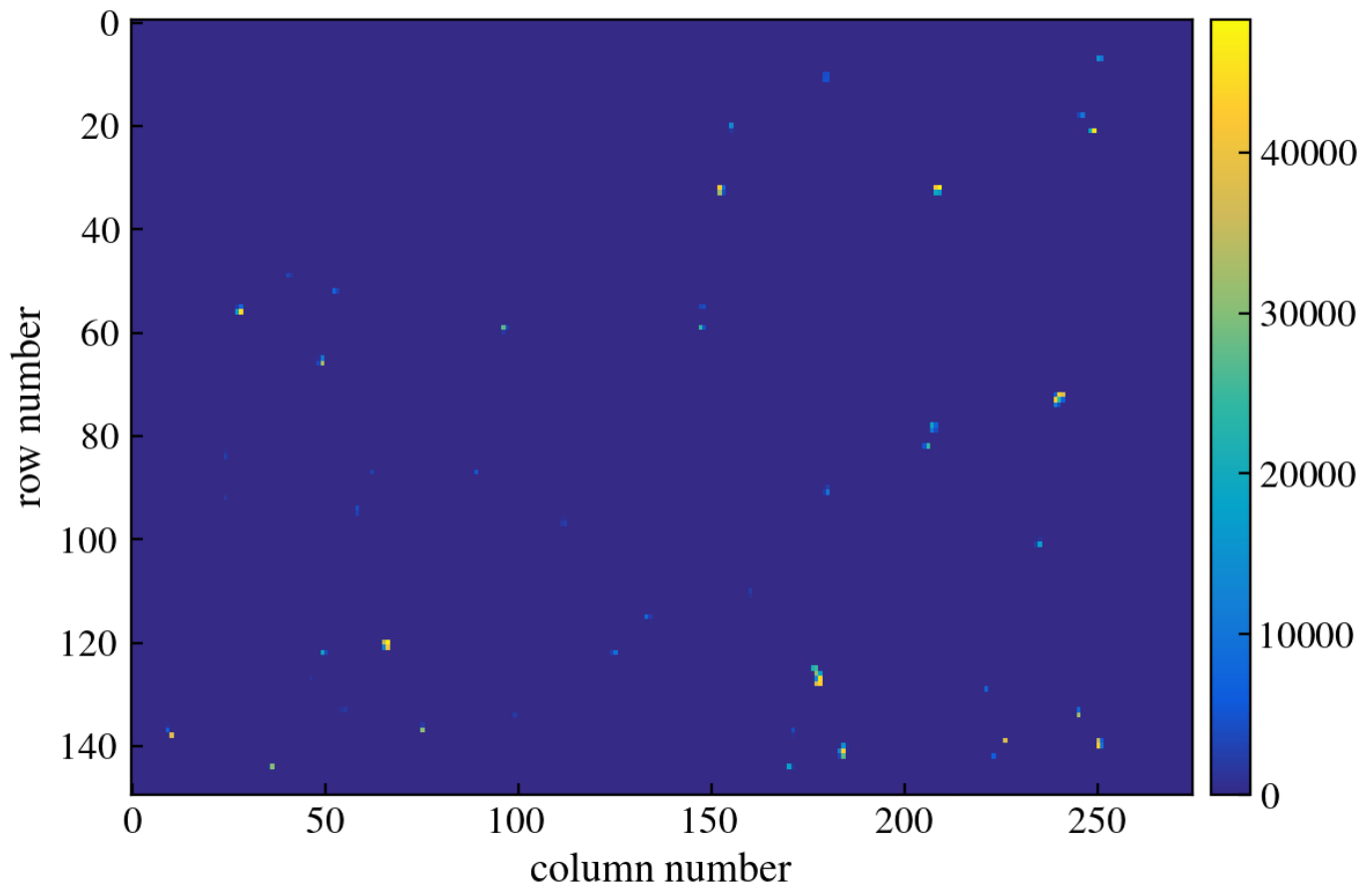


Figure 168: CCD Image

CCD Image: run 454, image 221  
[class MECCDImage]

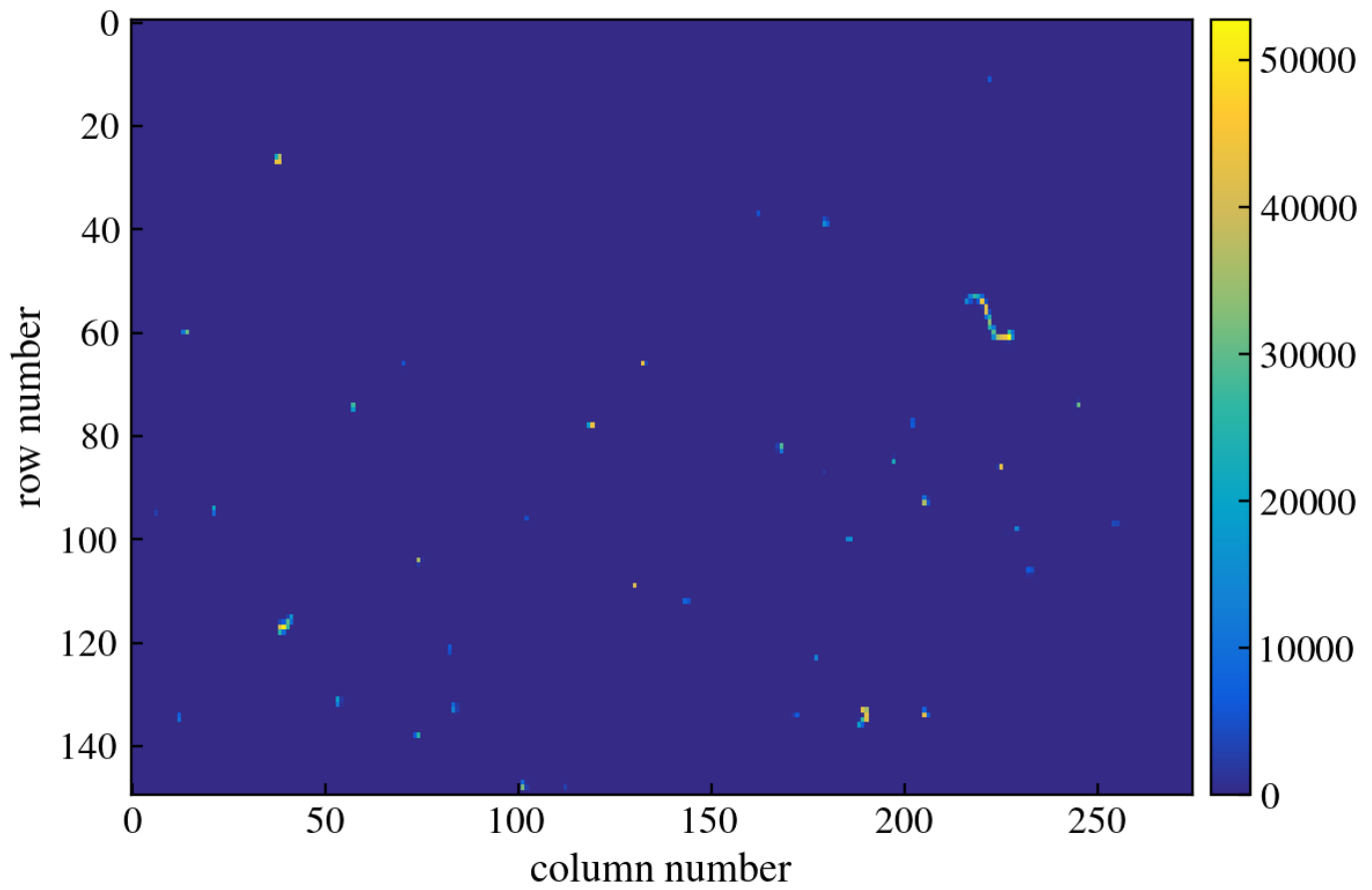


Figure 169: CCD Image

CCD Image: run 454, image 222  
[class MECCDImage]

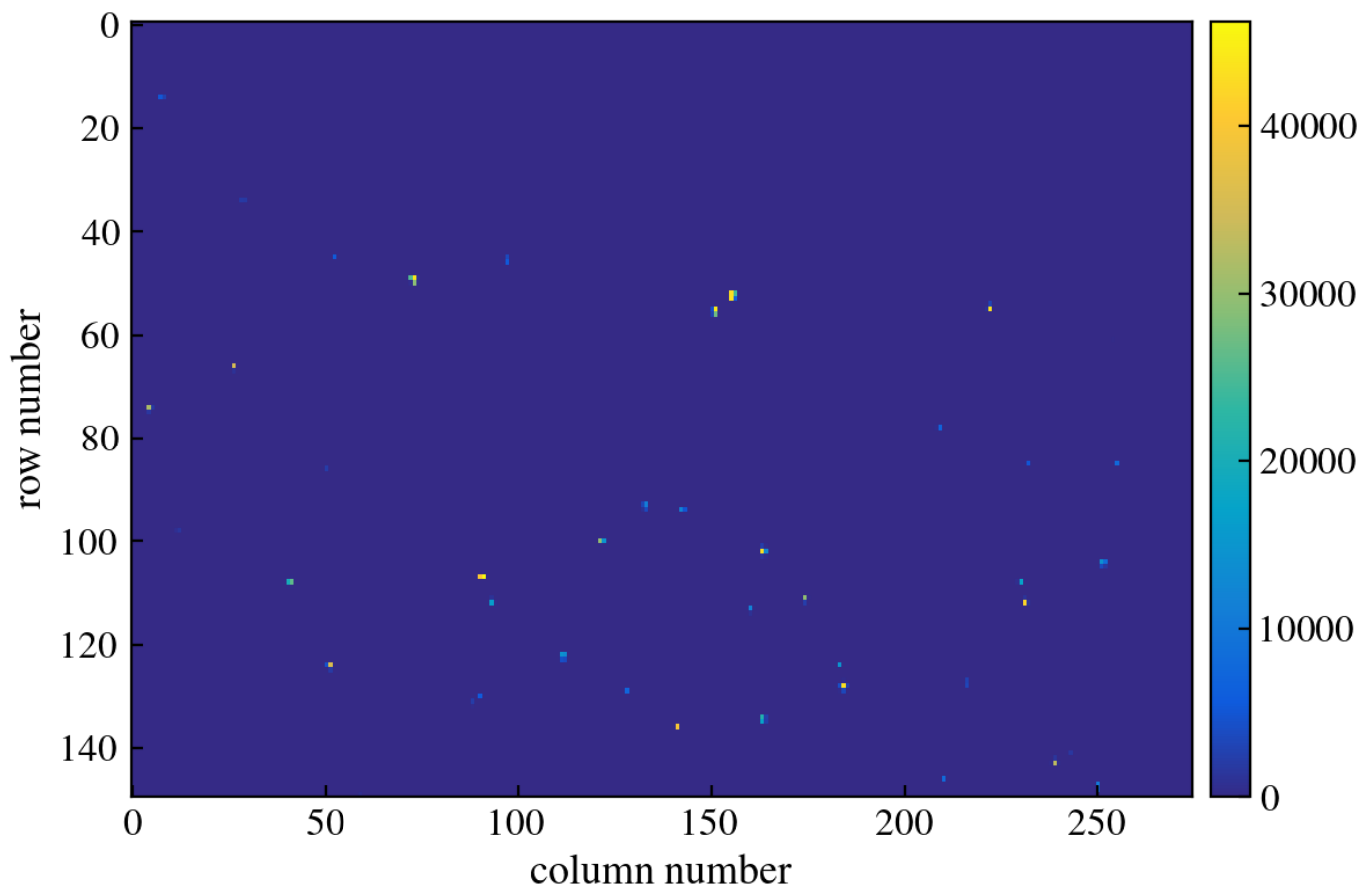


Figure 170: CCD Image

CCD Image: run 454, image 223  
[class MECCDImage]

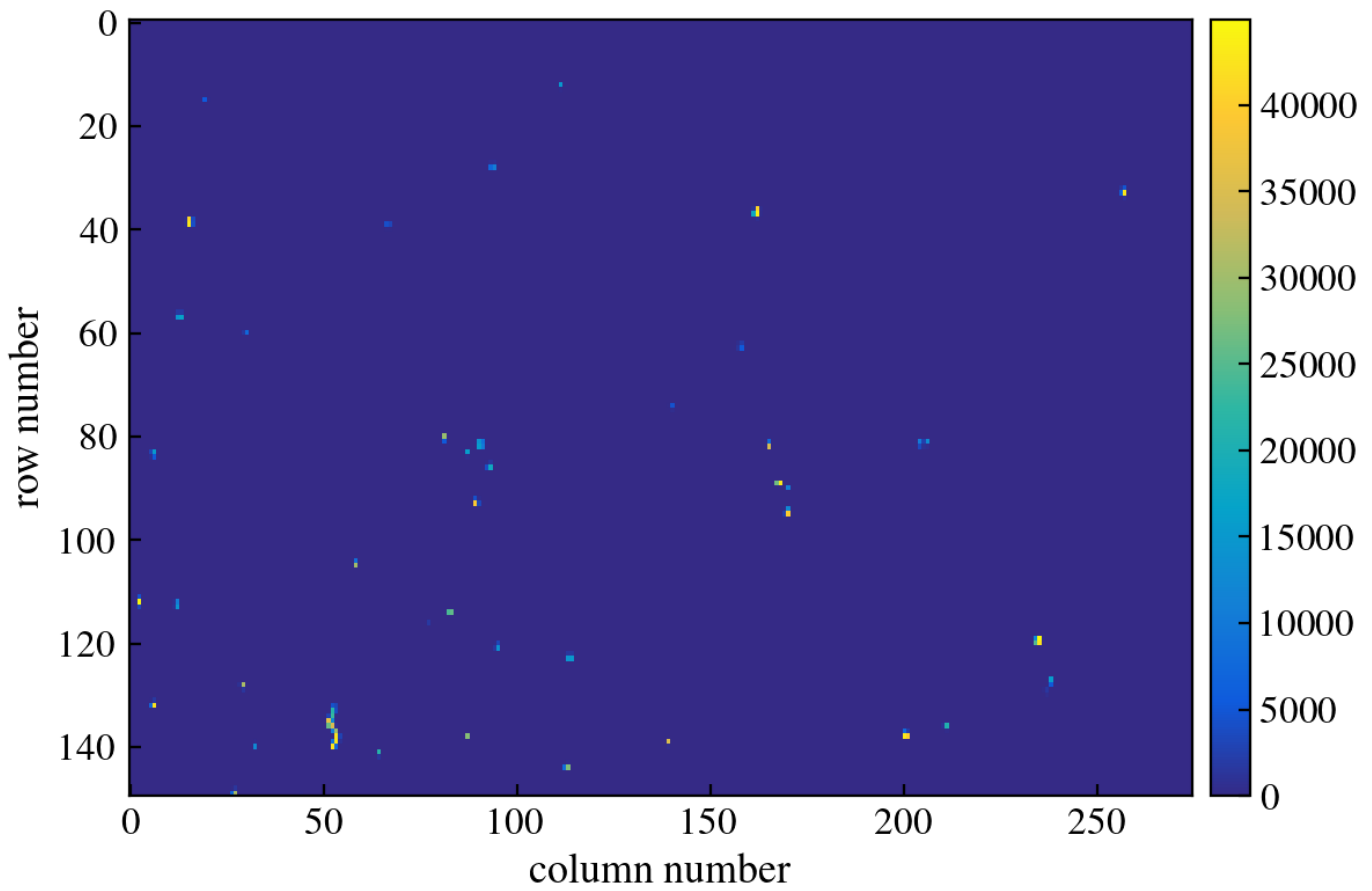


Figure 171: CCD Image

CCD Image: run 454, image 224  
[class MECCDImage]

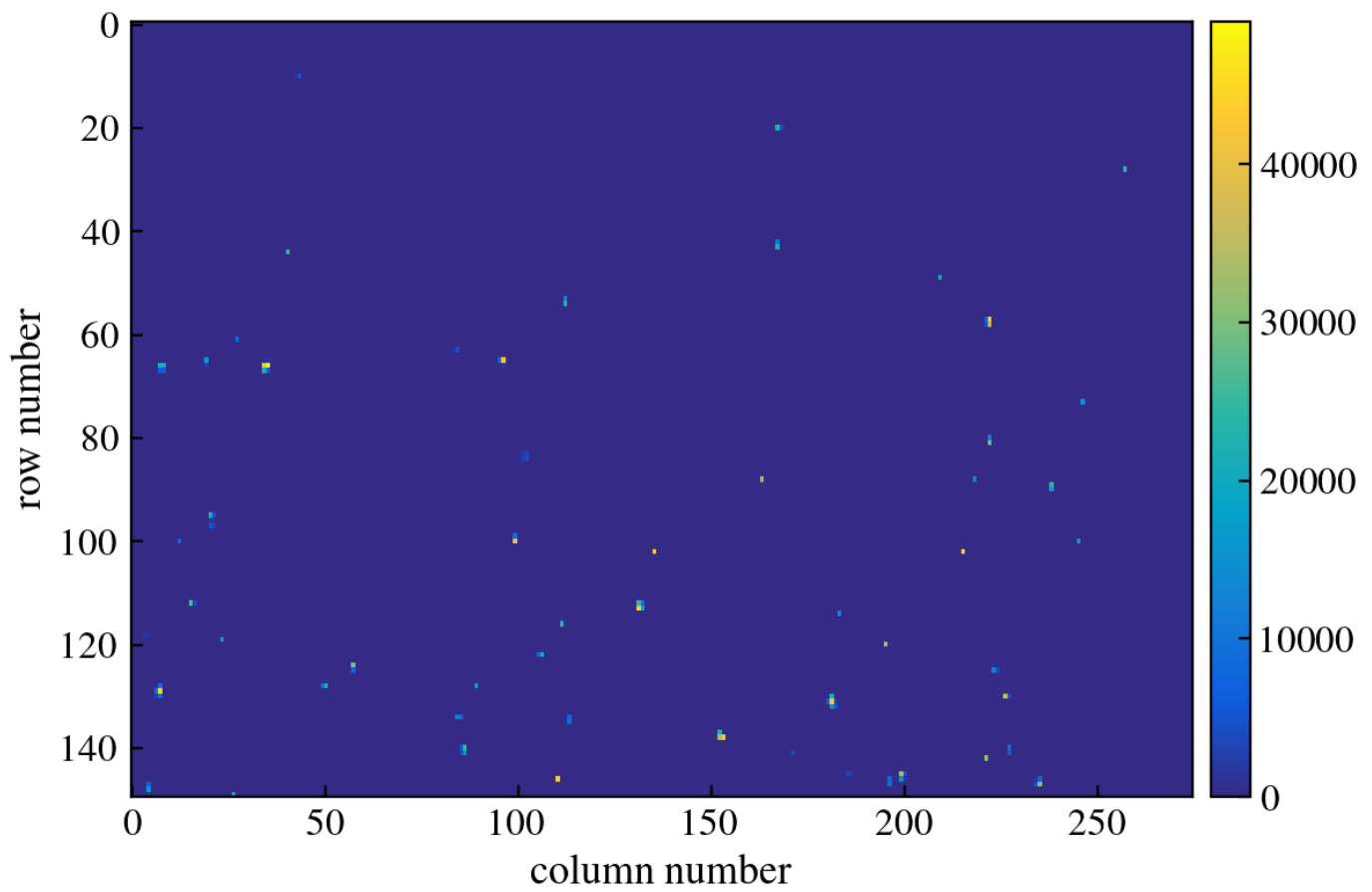


Figure 172: CCD Image

CCD Image: run 454, image 225  
[class MECCDImage]

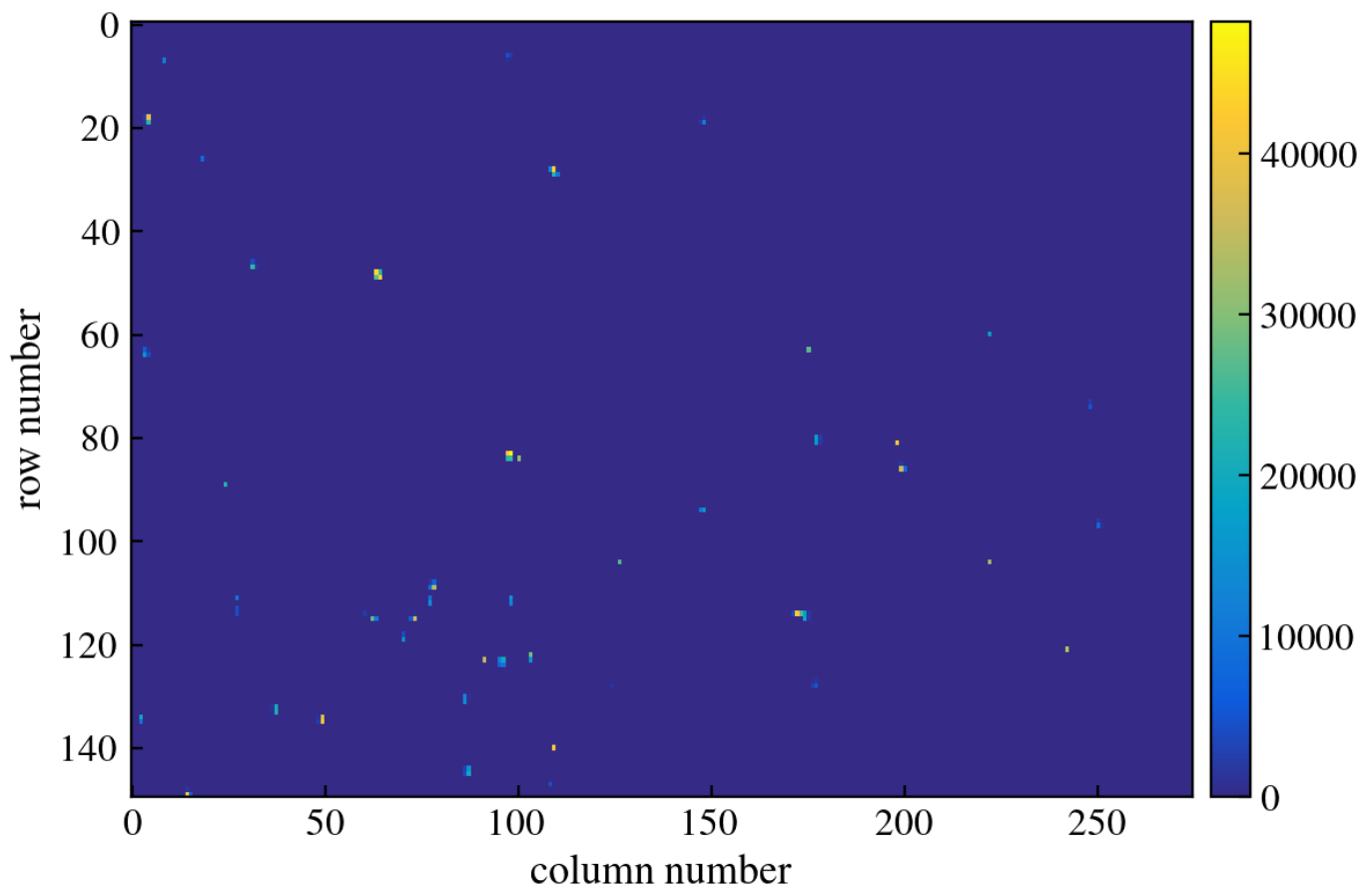


Figure 173: CCD Image

CCD Image: run 454, image 226  
[class MECCDImage]

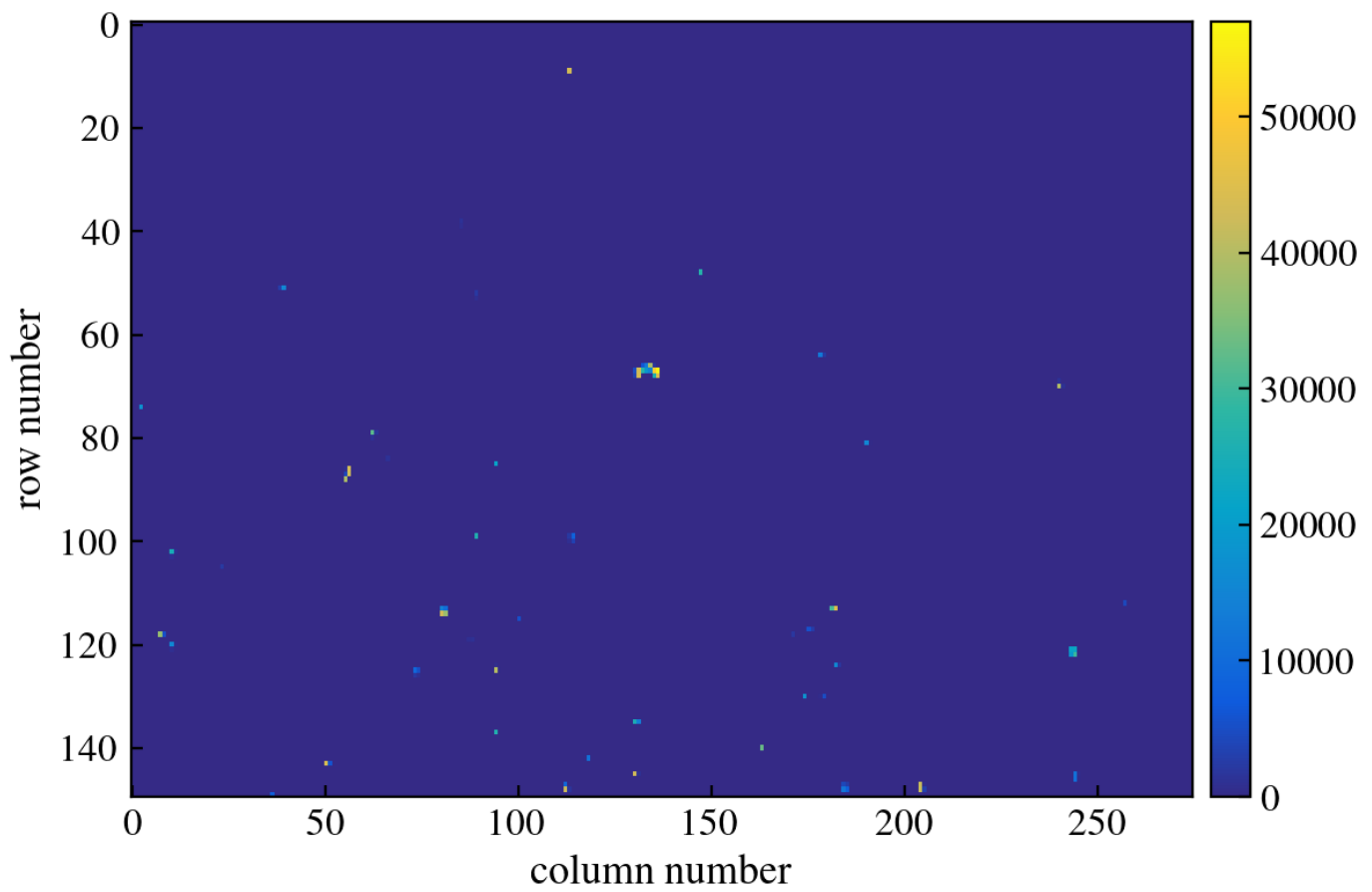


Figure 174: CCD Image

CCD Image: run 454, image 227  
[class MECCDImage]

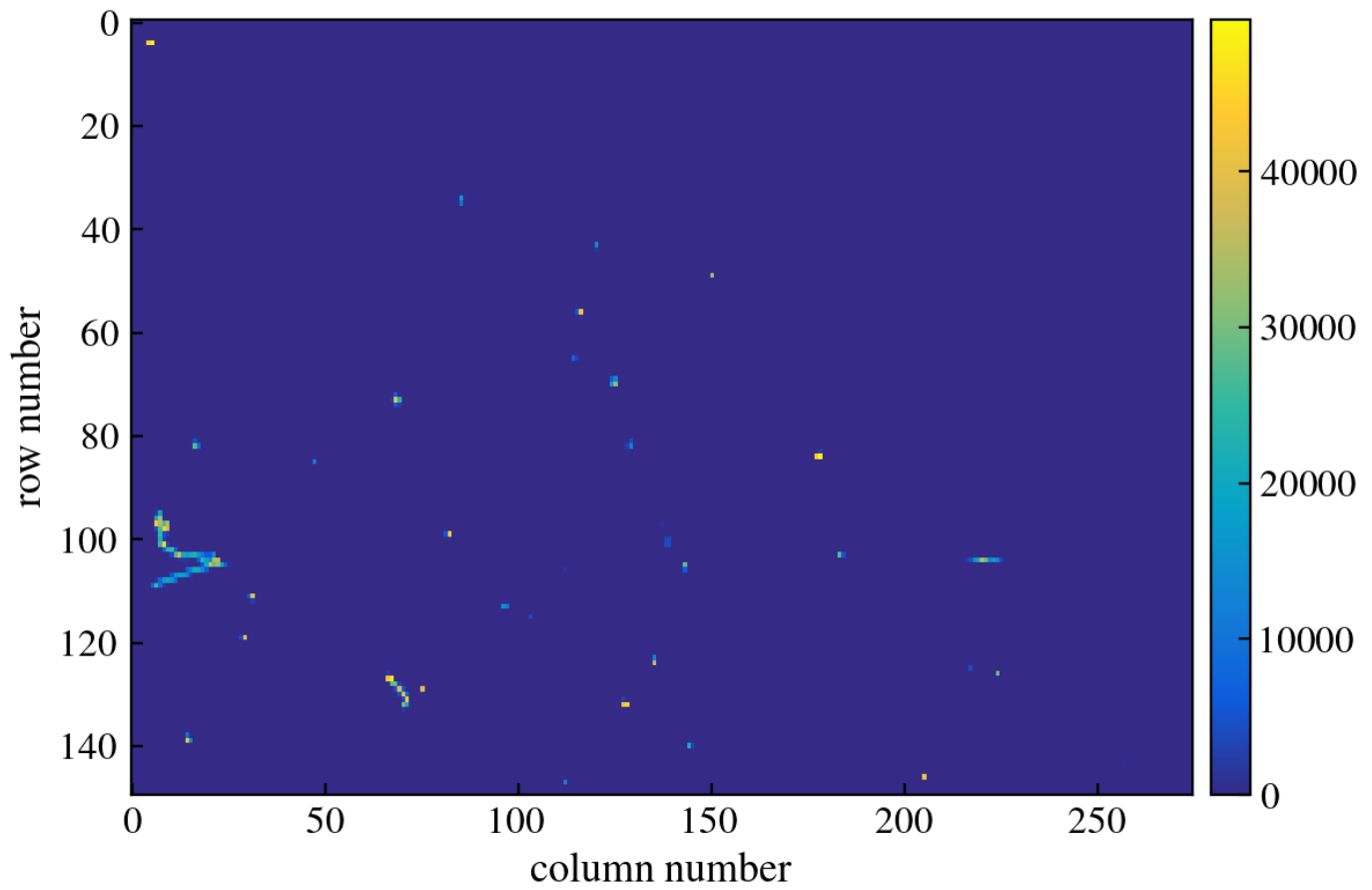


Figure 175: CCD Image



CCD Image: run 454, image 228  
[class MECCDImage]

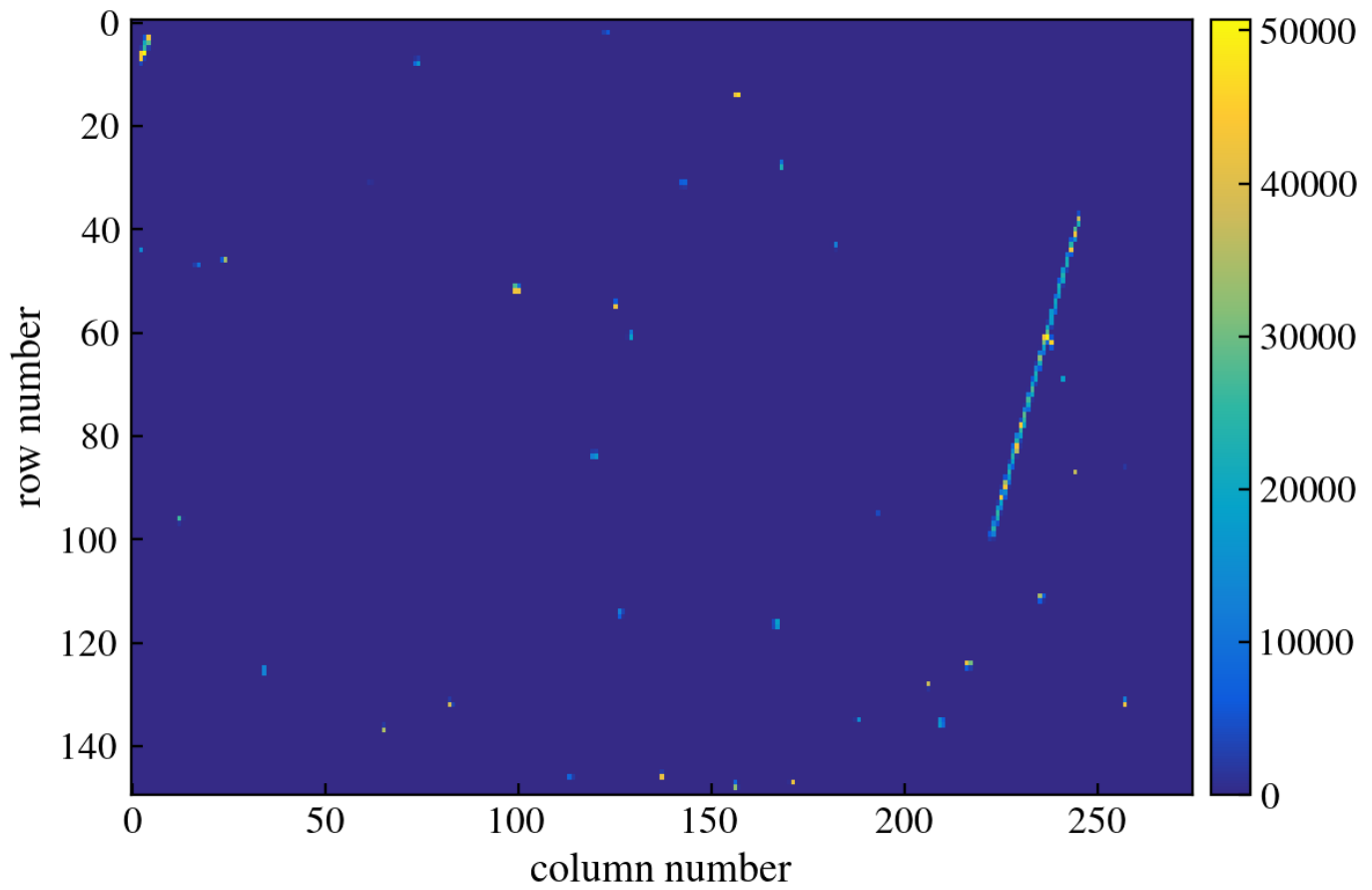


Figure 176: CCD Image

CCD Image: run 454, image 229  
[class MECCDImage]

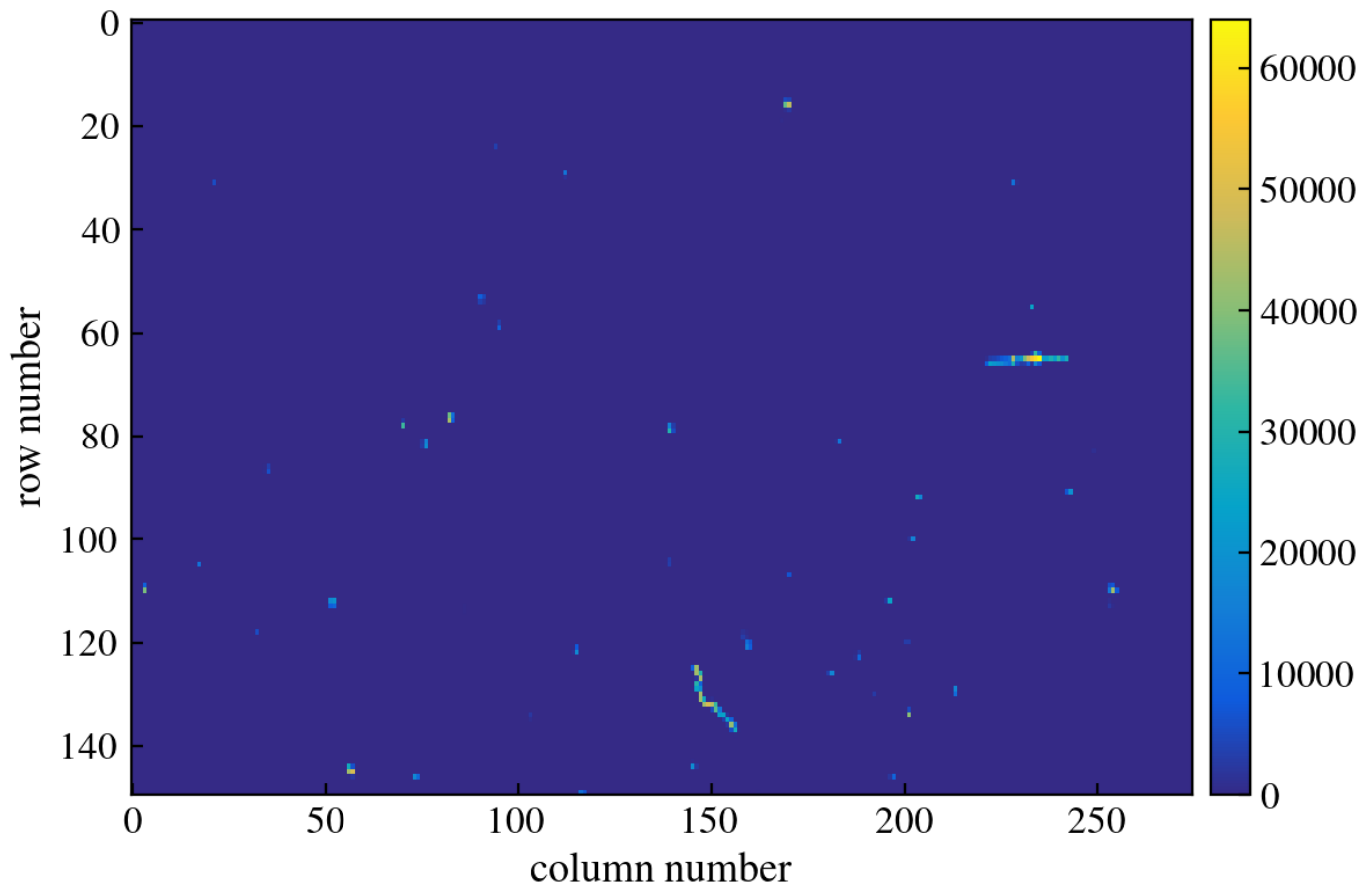


Figure 177: CCD Image

CCD Image: run 454, image 23  
[class MECCDImage]

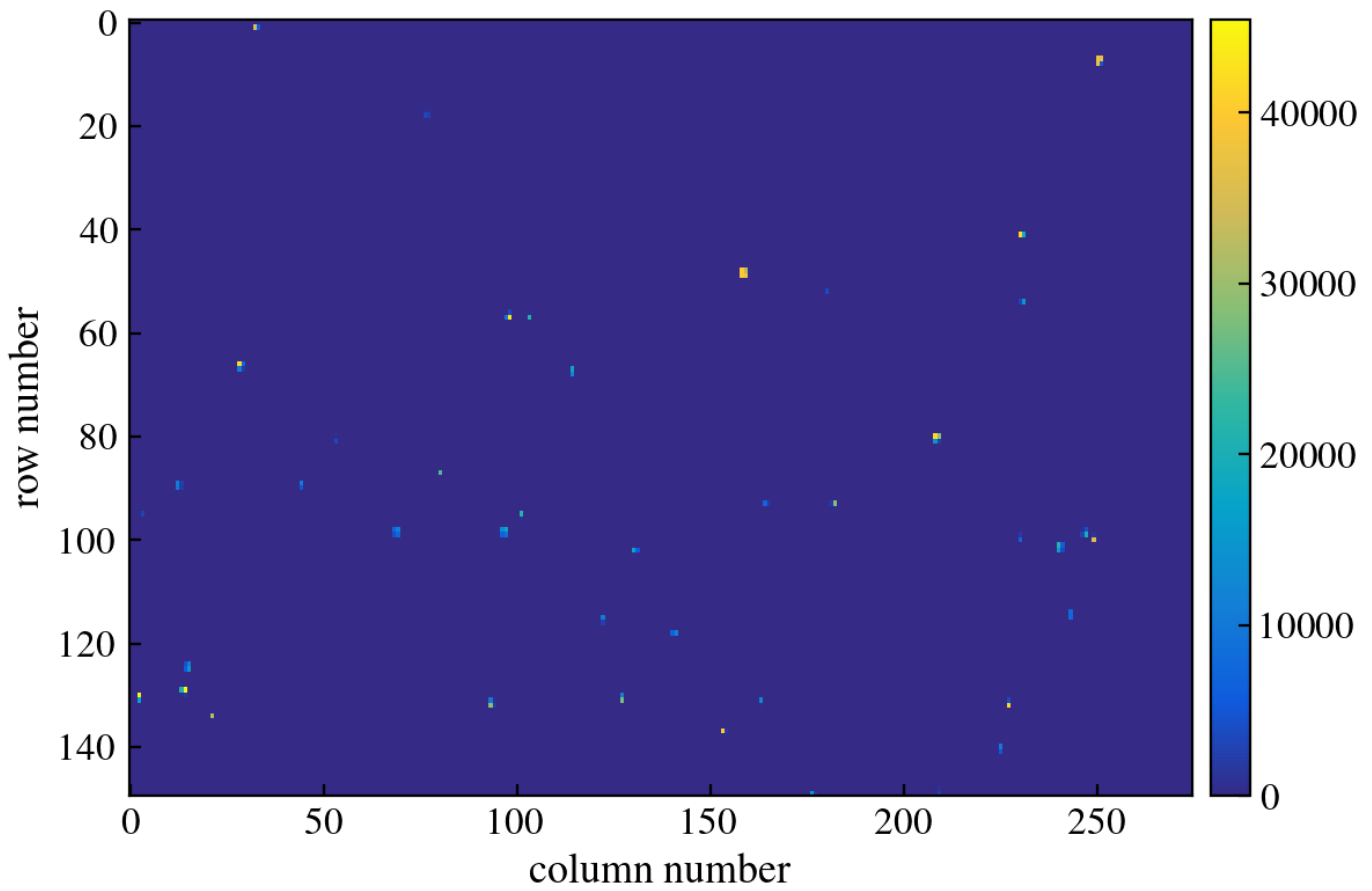


Figure 178: CCD Image

CCD Image: run 454, image 230  
[class MECCDImage]

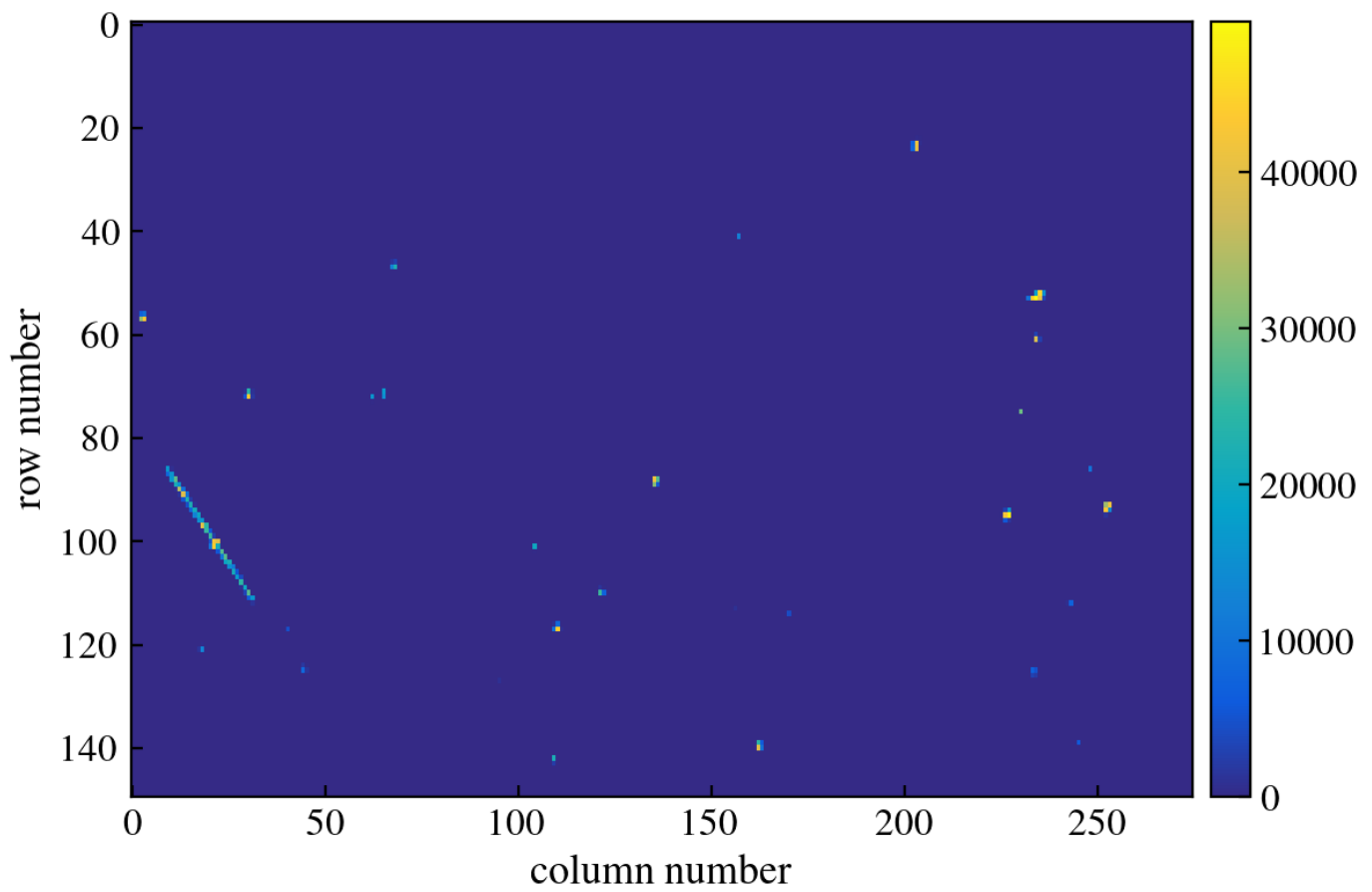


Figure 179: CCD Image

CCD Image: run 454, image 231  
[class MECCDImage]

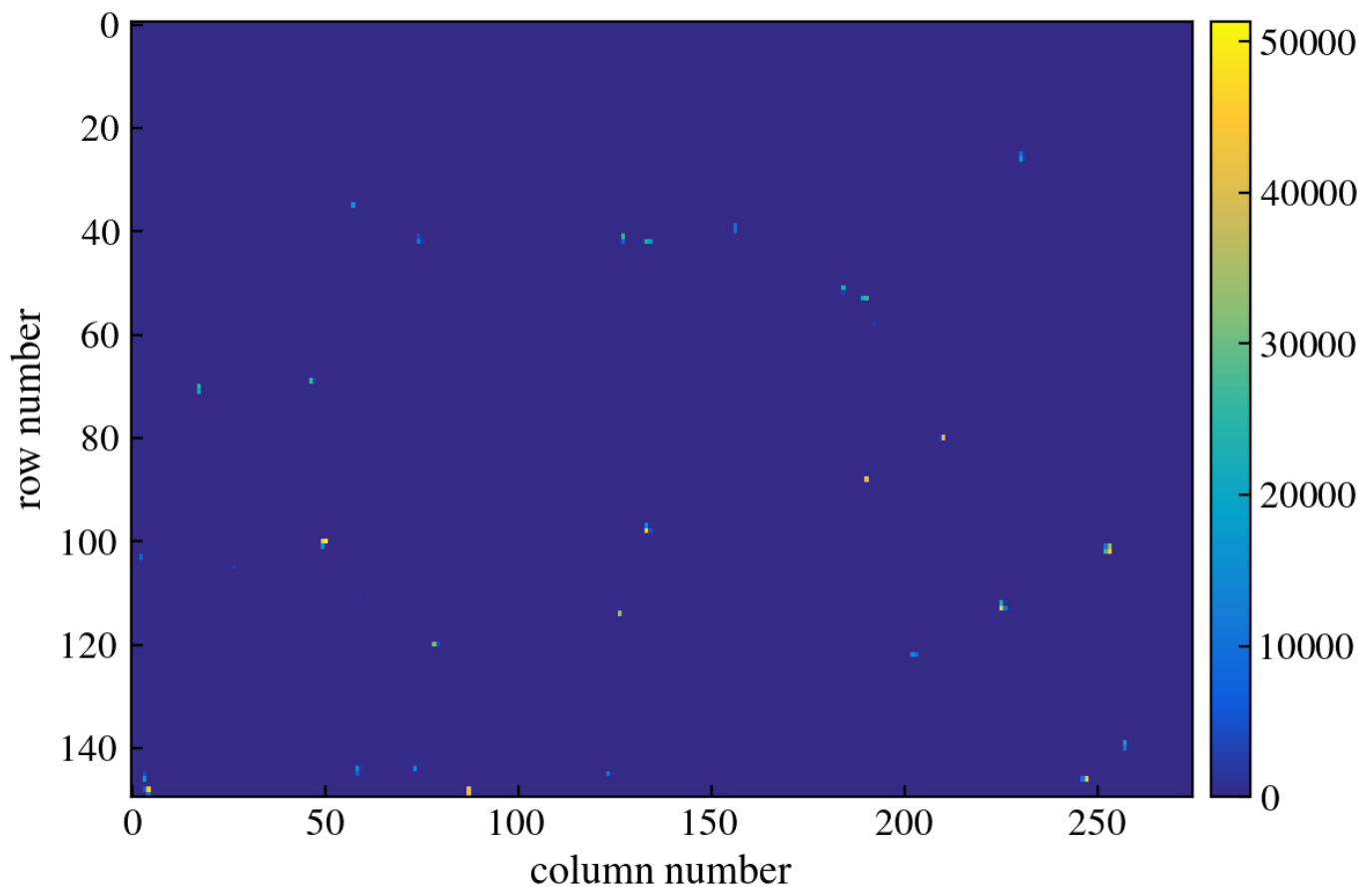


Figure 180: CCD Image

CCD Image: run 454, image 232  
[class MECCDImage]

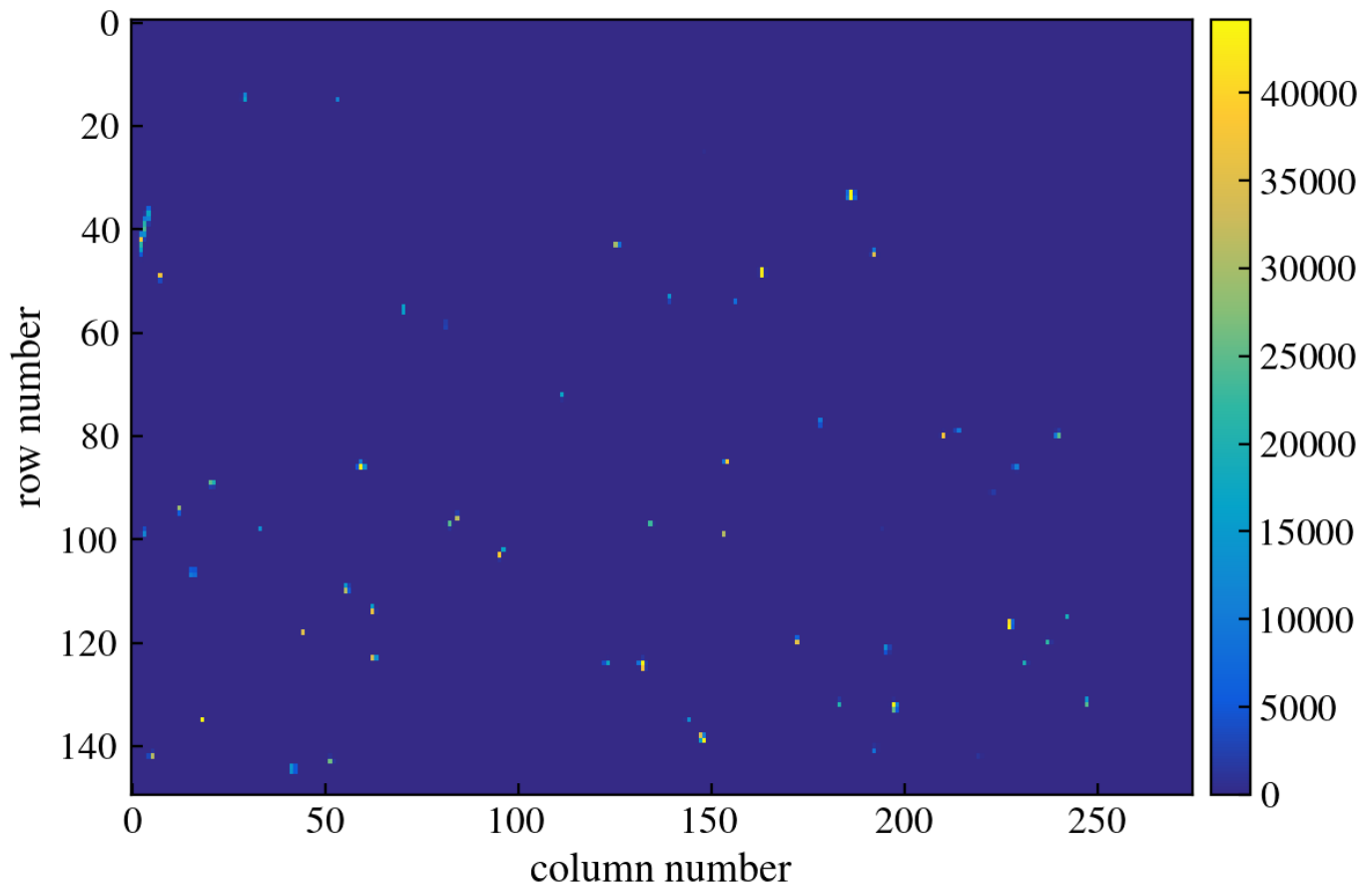


Figure 181: CCD Image

CCD Image: run 454, image 233  
[class MECCDImage]

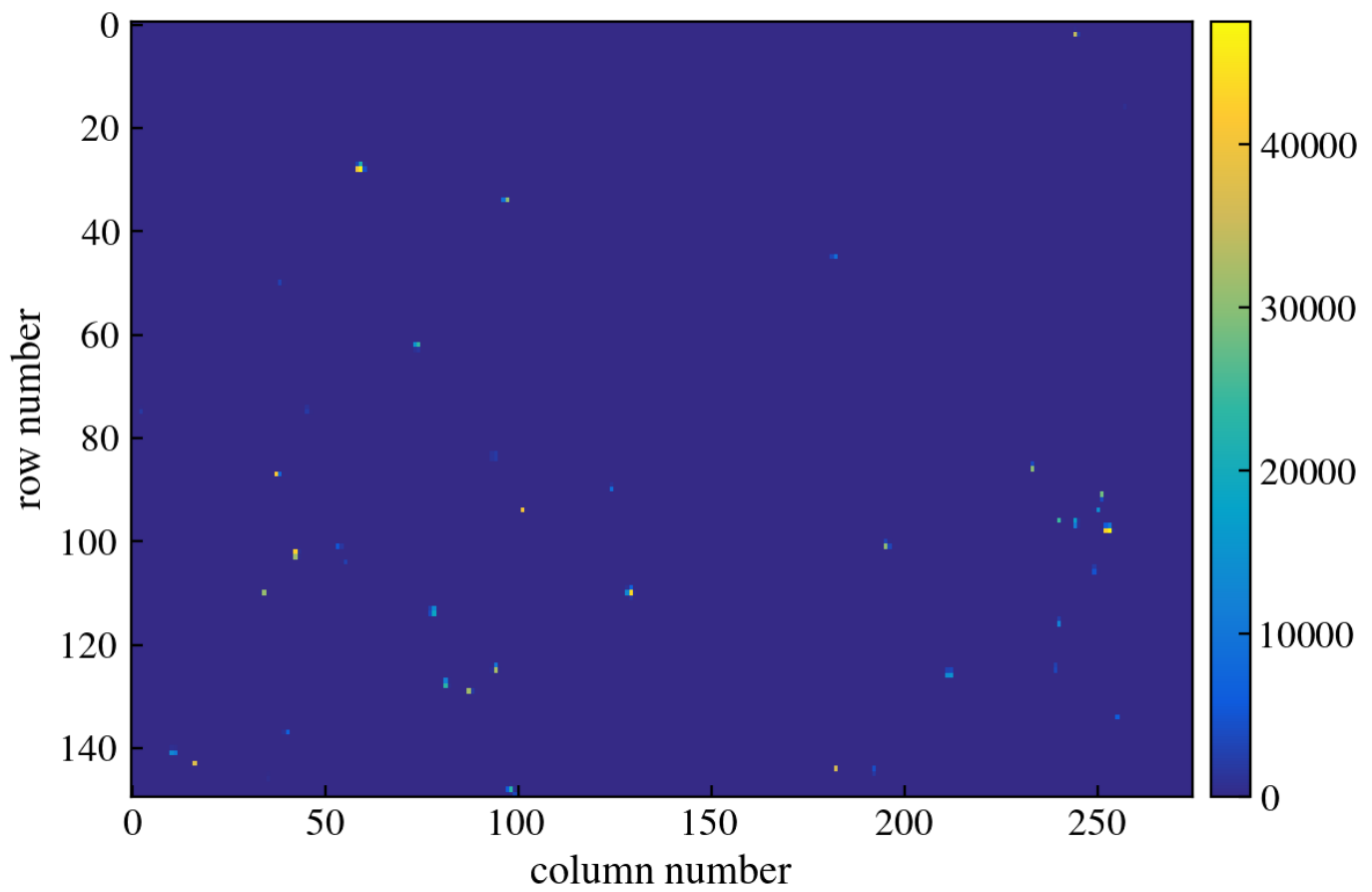


Figure 182: CCD Image

CCD Image: run 454, image 234  
[class MECCDImage]

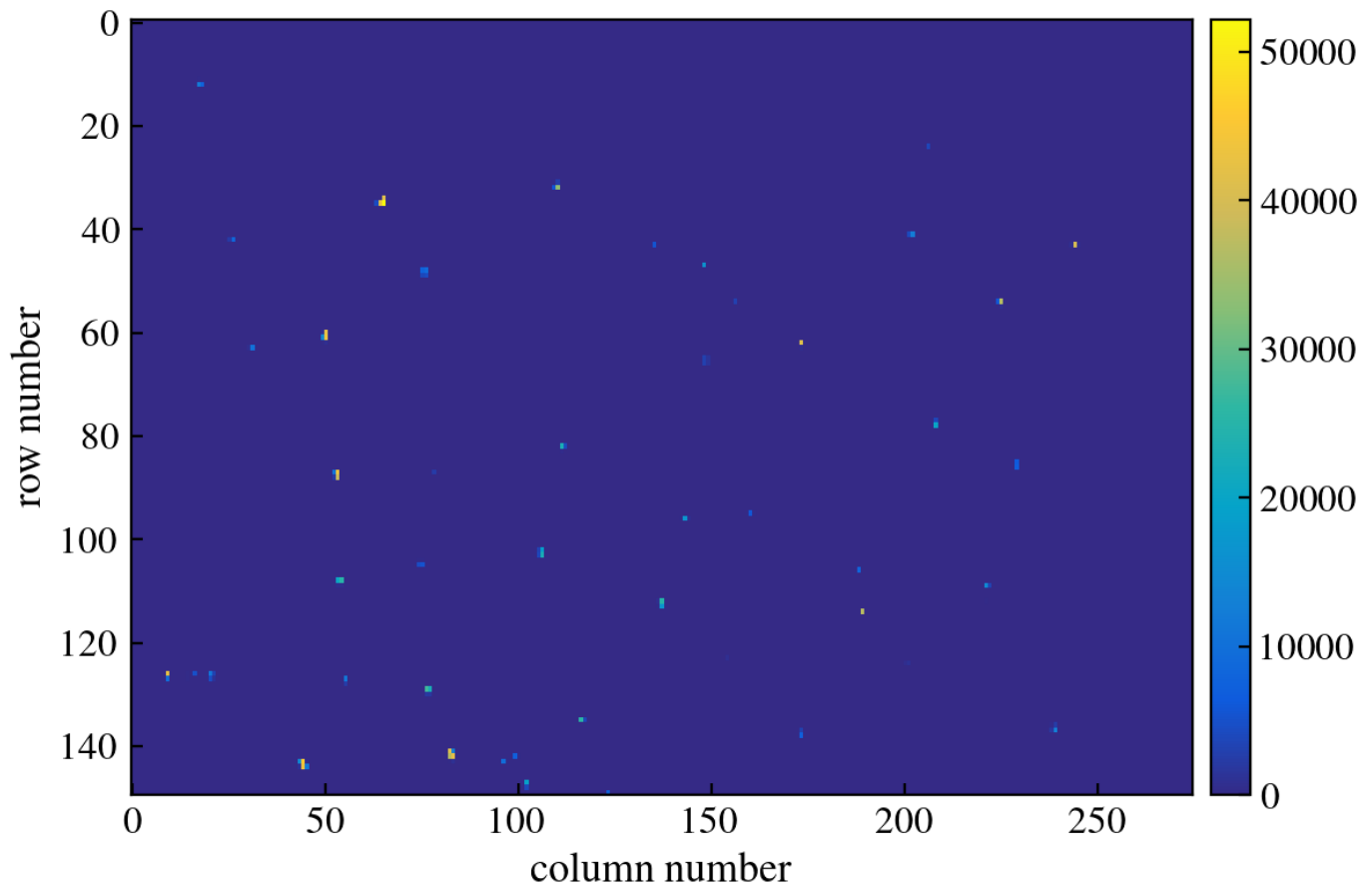


Figure 183: CCD Image



CCD Image: run 454, image 235  
[class MECCDImage]

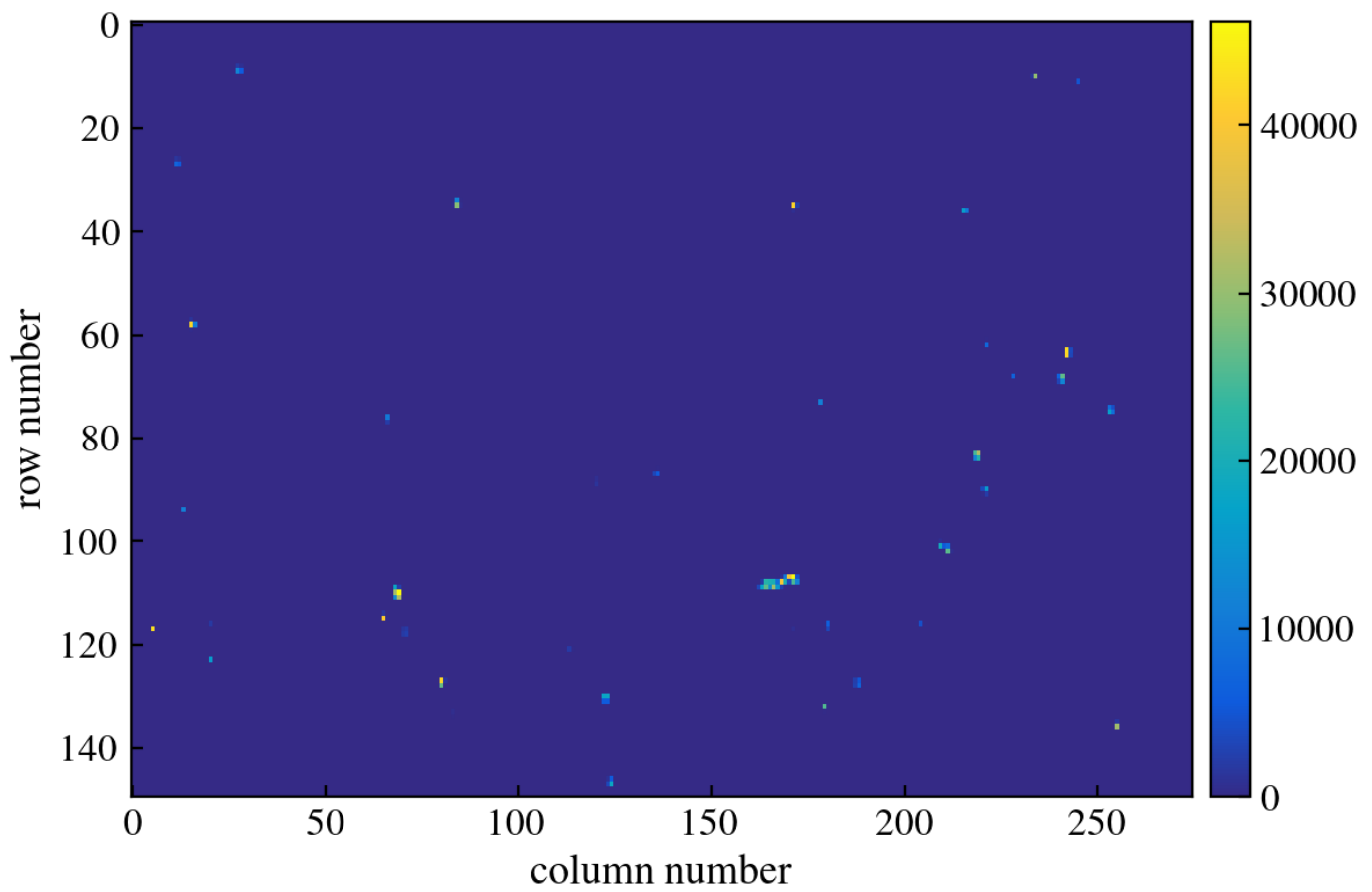


Figure 184: CCD Image

CCD Image: run 454, image 236  
[class MECCDImage]

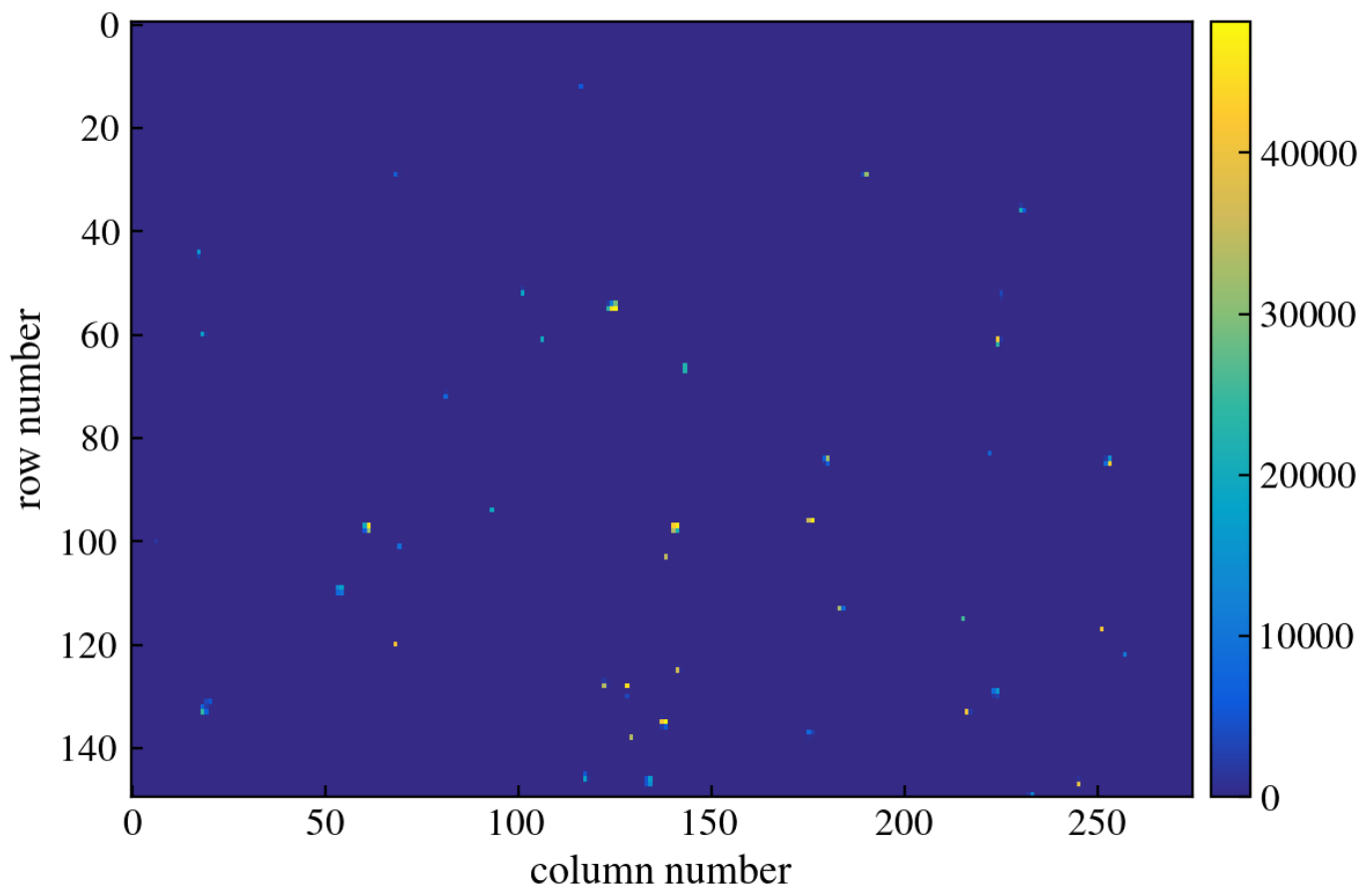


Figure 185: CCD Image

CCD Image: run 454, image 237  
[class MECCDImage]

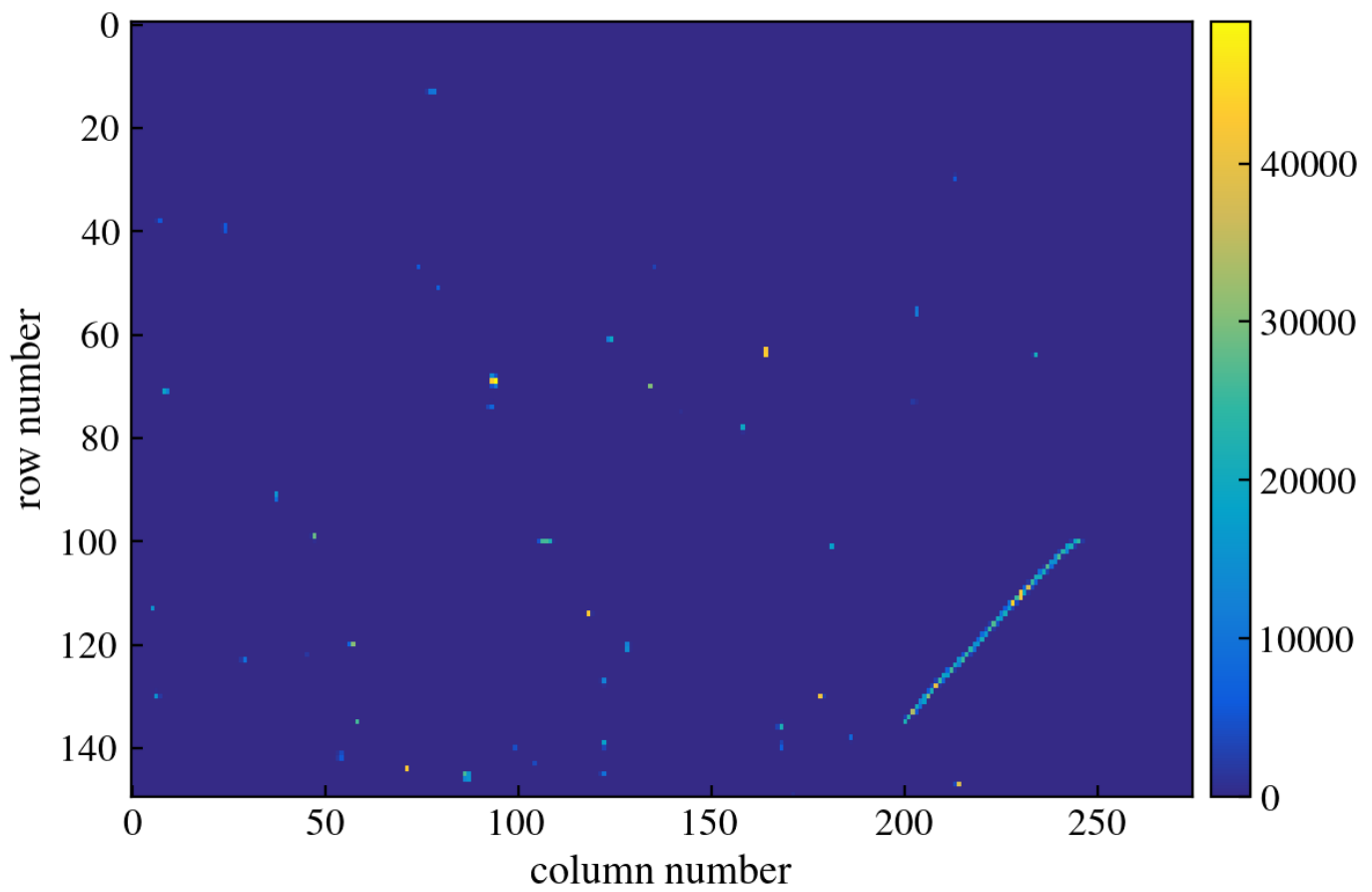


Figure 186: CCD Image

CCD Image: run 454, image 238  
[class MECCDImage]

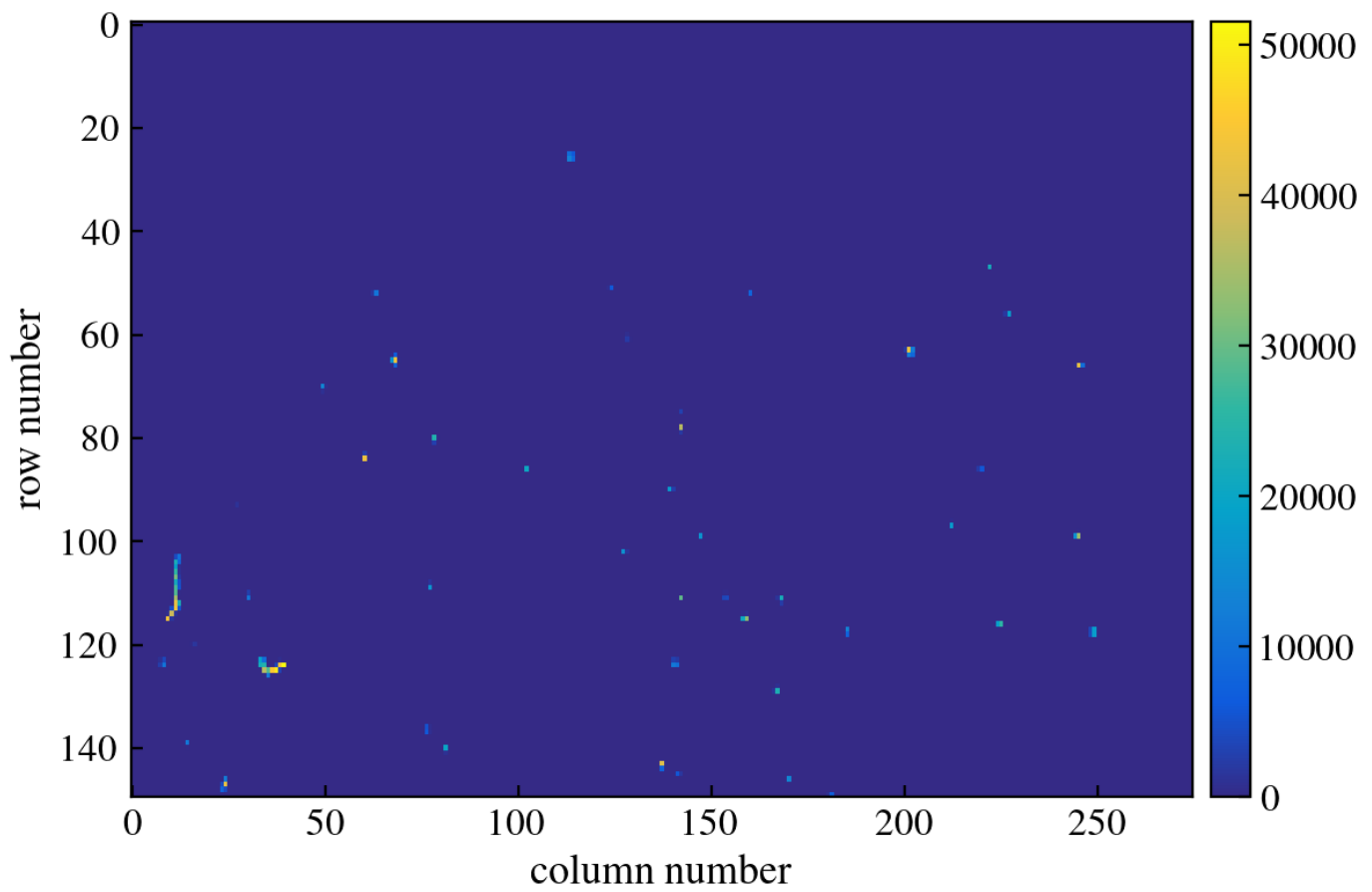


Figure 187: CCD Image

CCD Image: run 454, image 239  
[class MECCDImage]

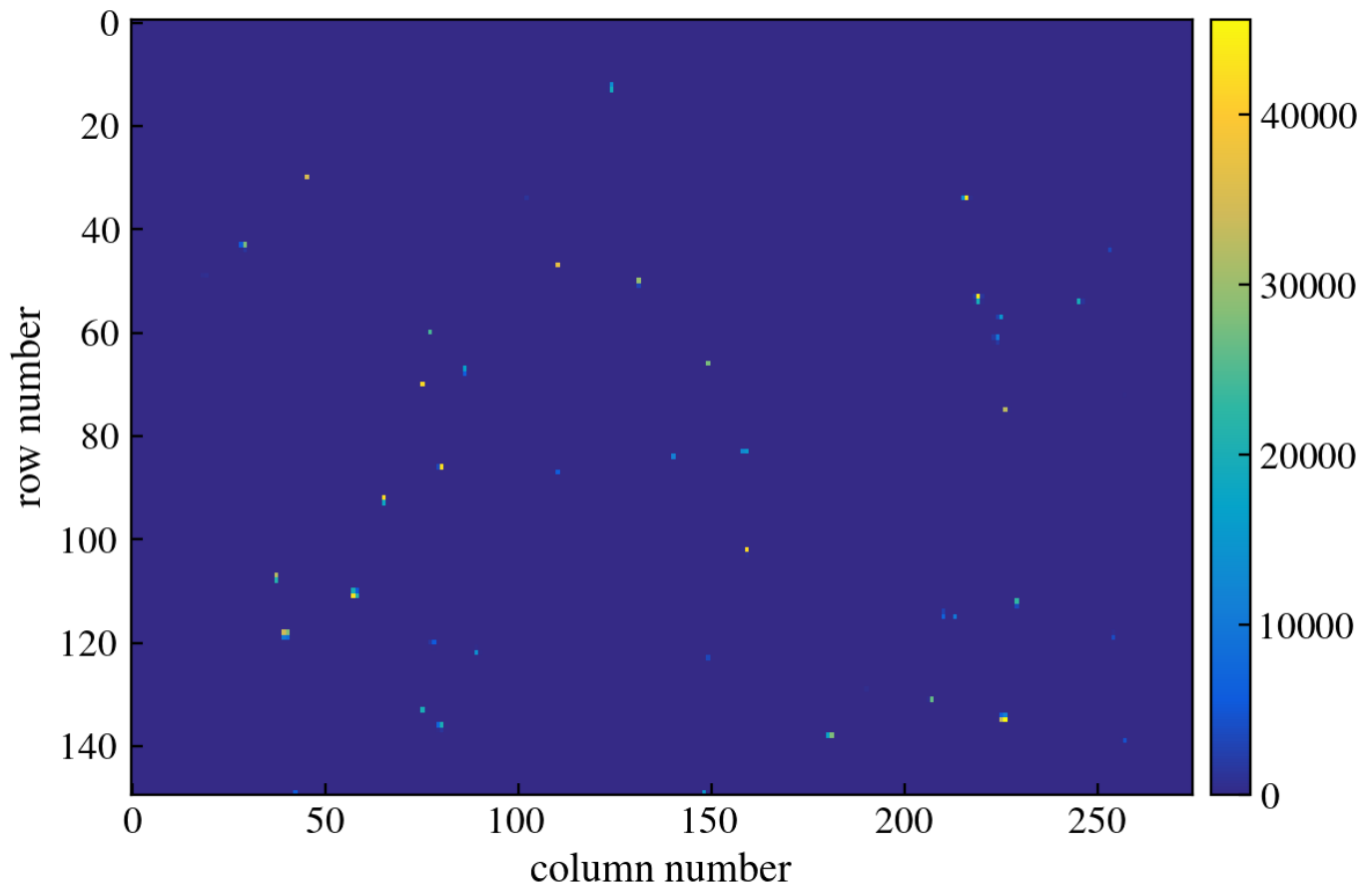


Figure 188: CCD Image

CCD Image: run 454, image 24  
[class MECCDImage]

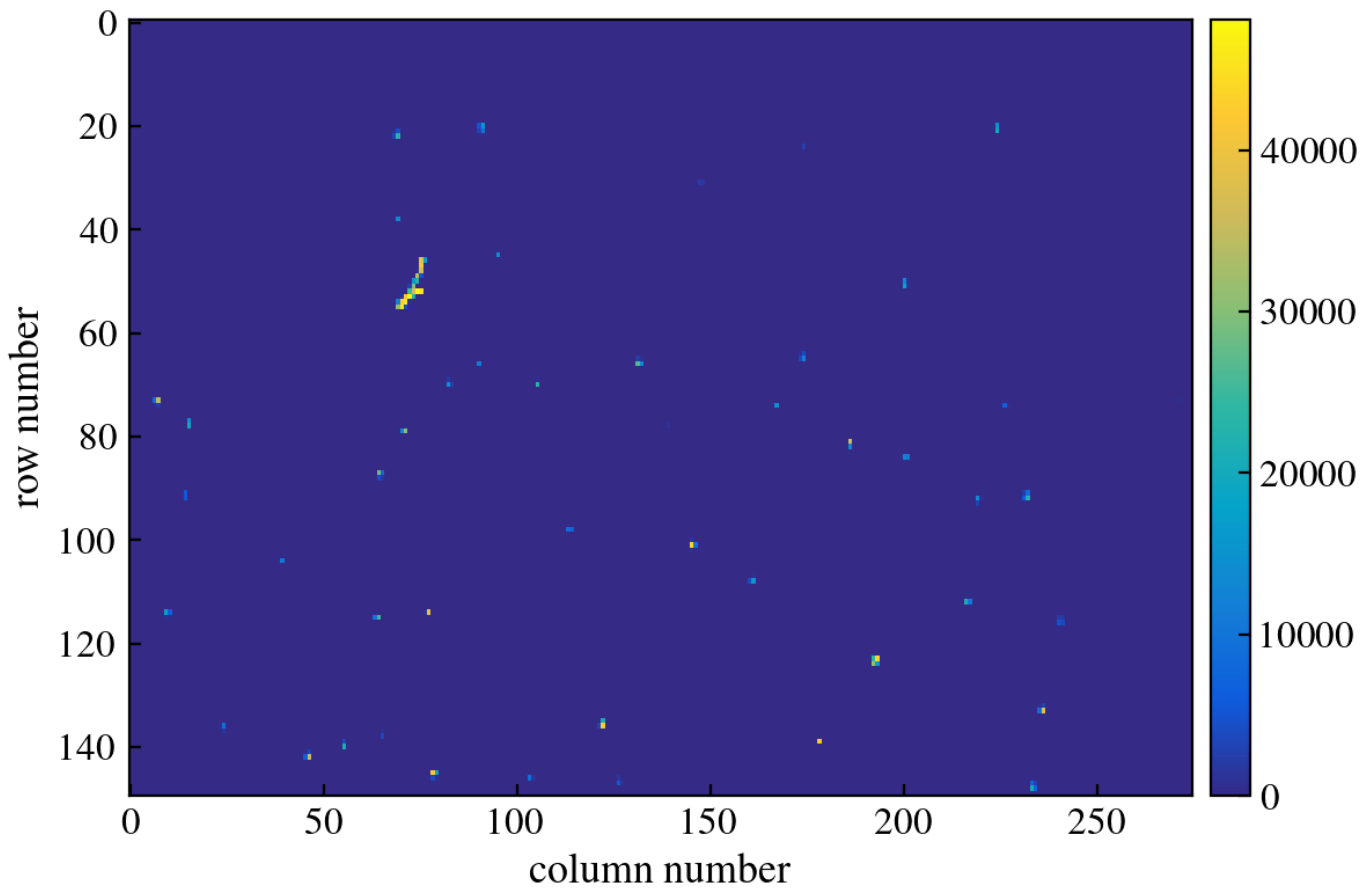


Figure 189: CCD Image

CCD Image: run 454, image 240  
[class MECCDImage]

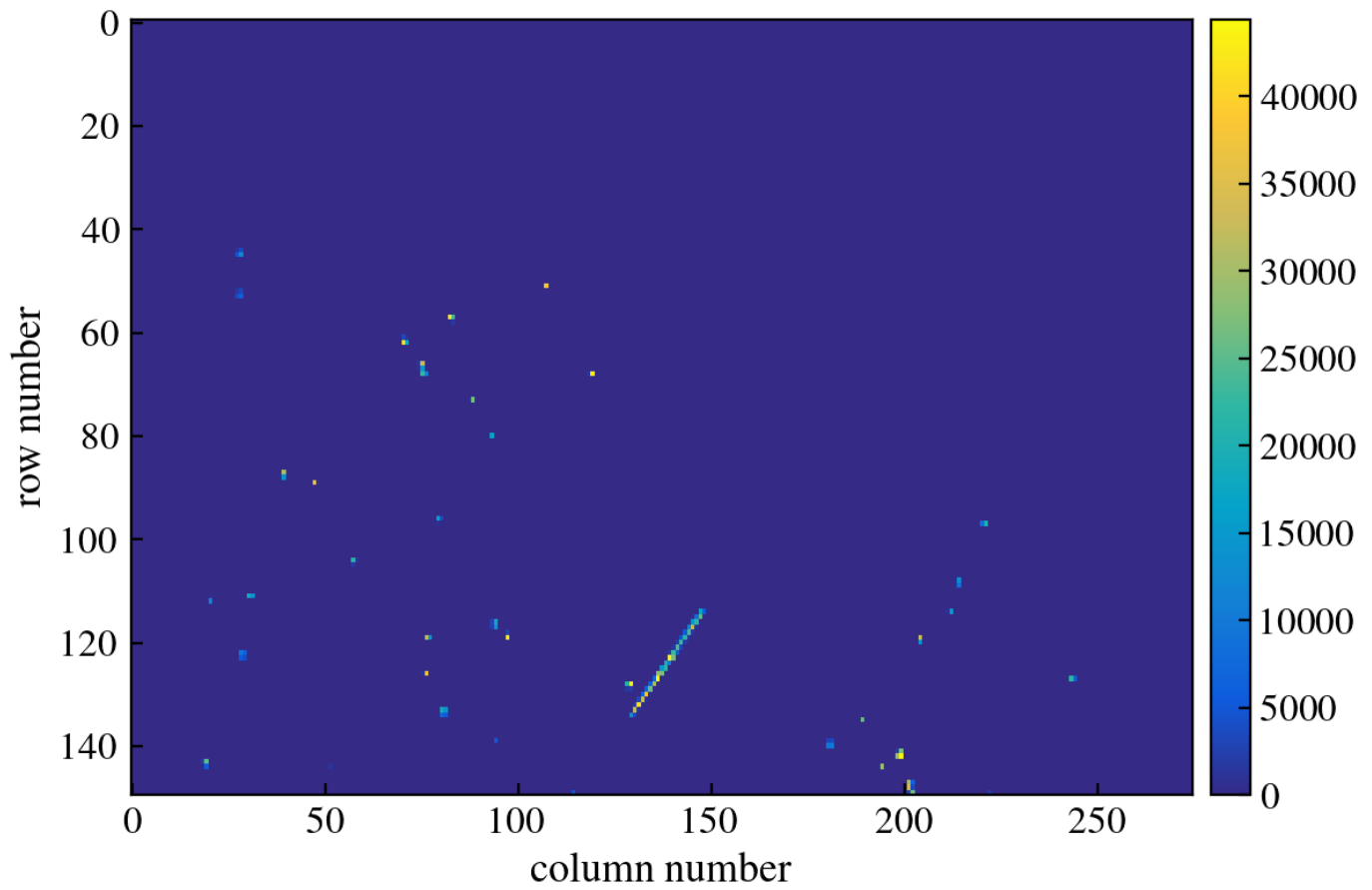


Figure 190: CCD Image

CCD Image: run 454, image 241  
[class MECCDImage]

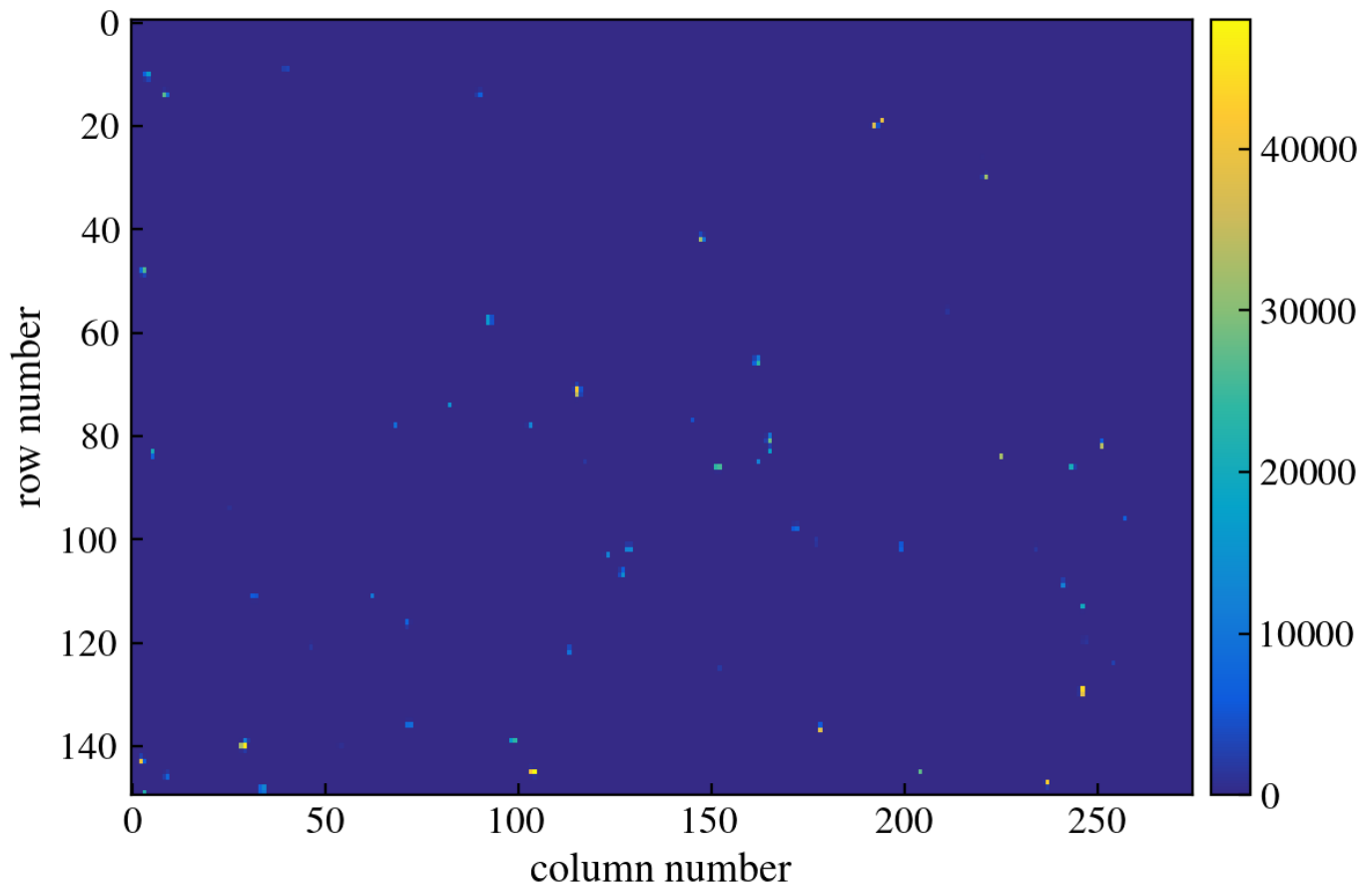


Figure 191: CCD Image



CCD Image: run 454, image 242  
[class MECCDImage]

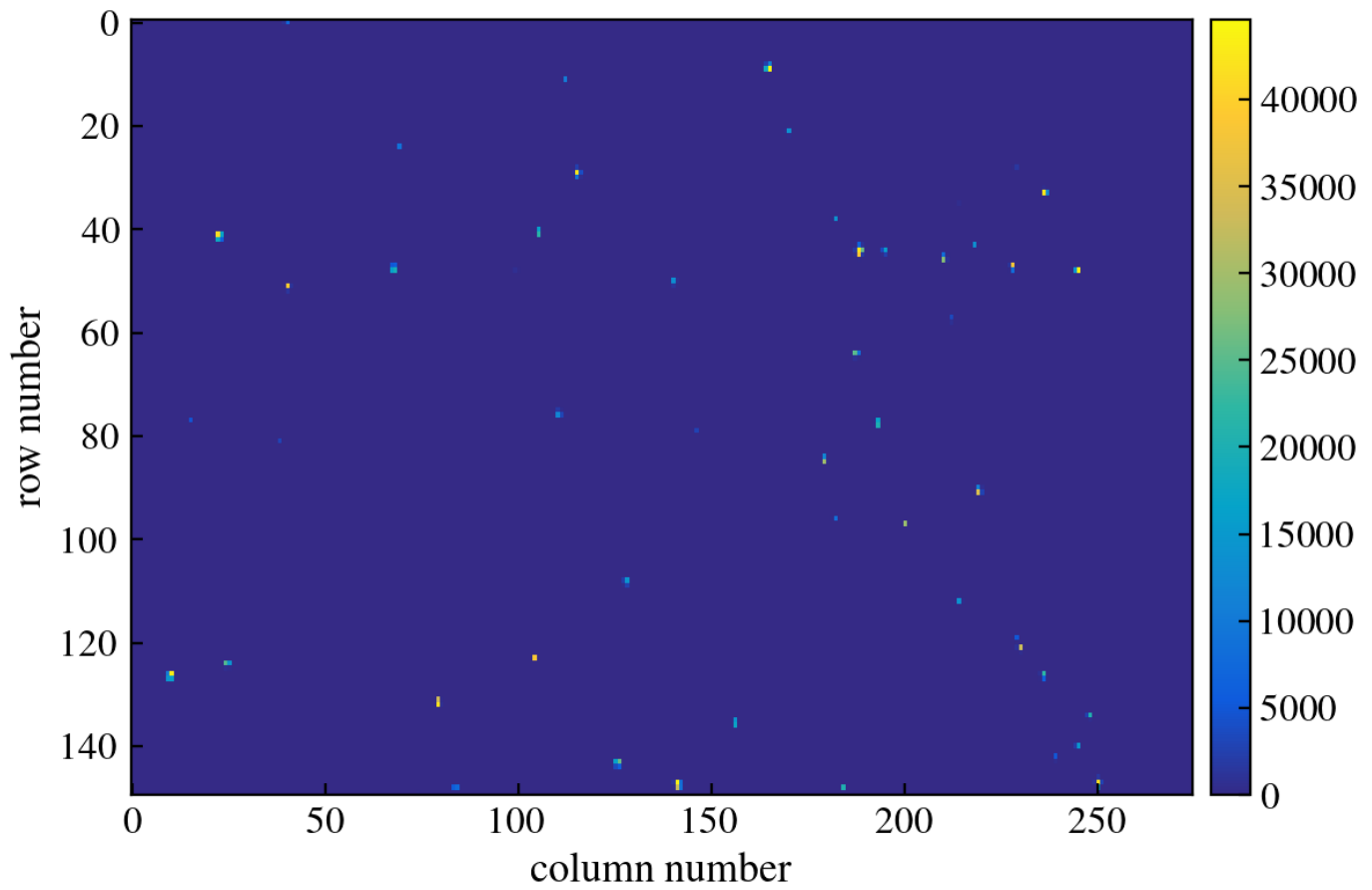


Figure 192: CCD Image

CCD Image: run 454, image 243  
[class MECCDImage]

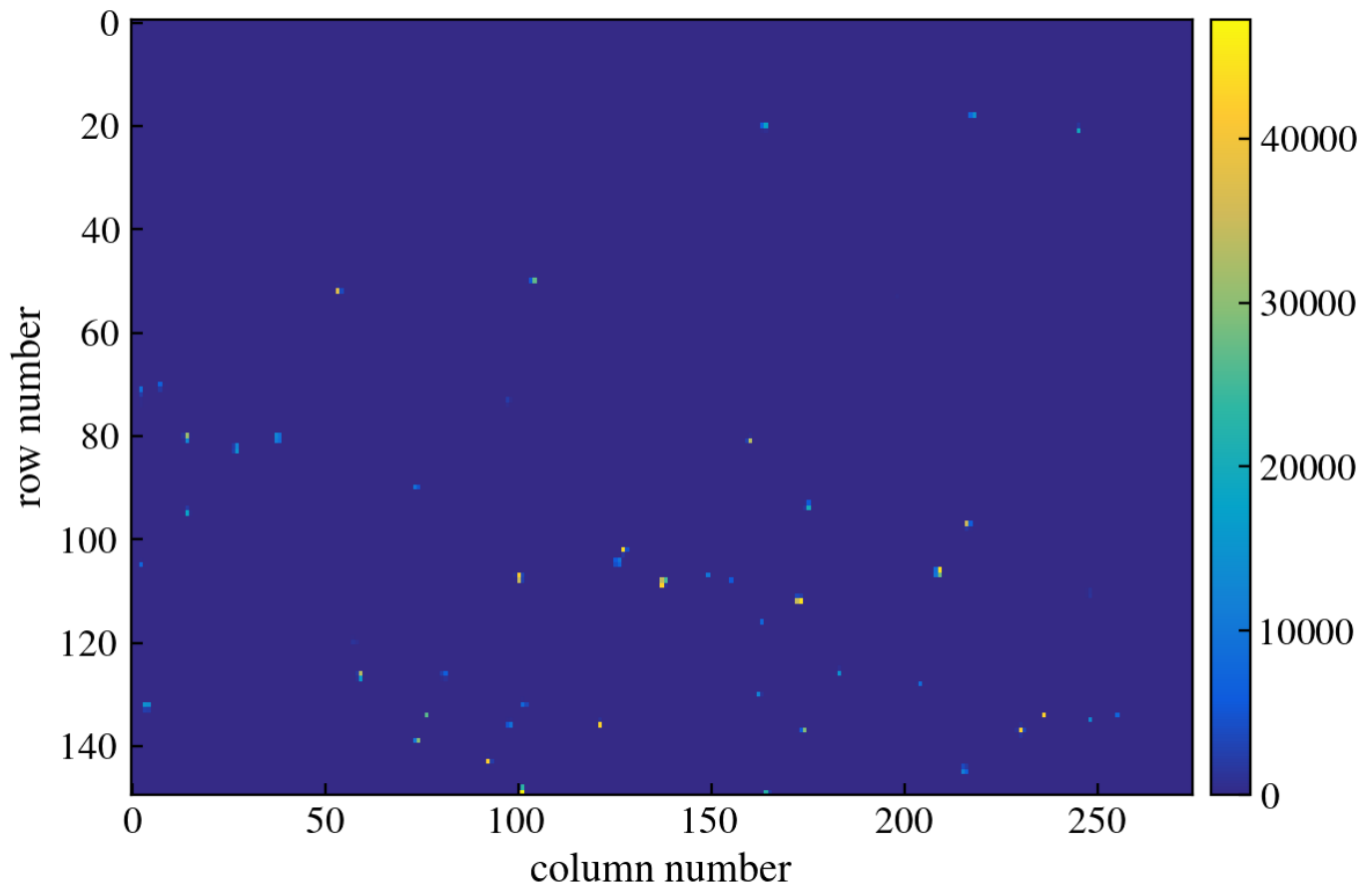


Figure 193: CCD Image

CCD Image: run 454, image 244  
[class MECCDImage]

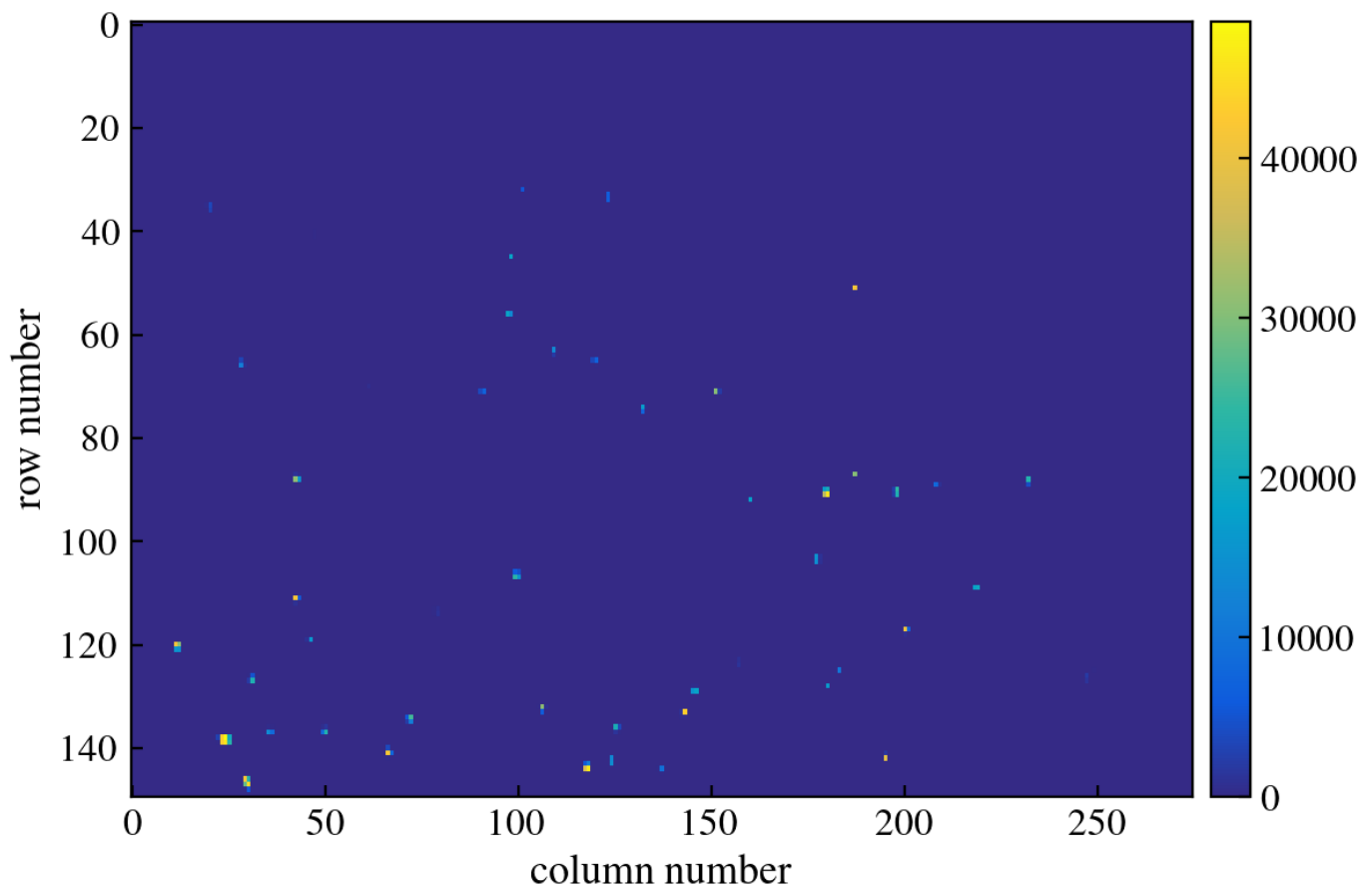


Figure 194: CCD Image

CCD Image: run 454, image 245  
[class MECCDImage]

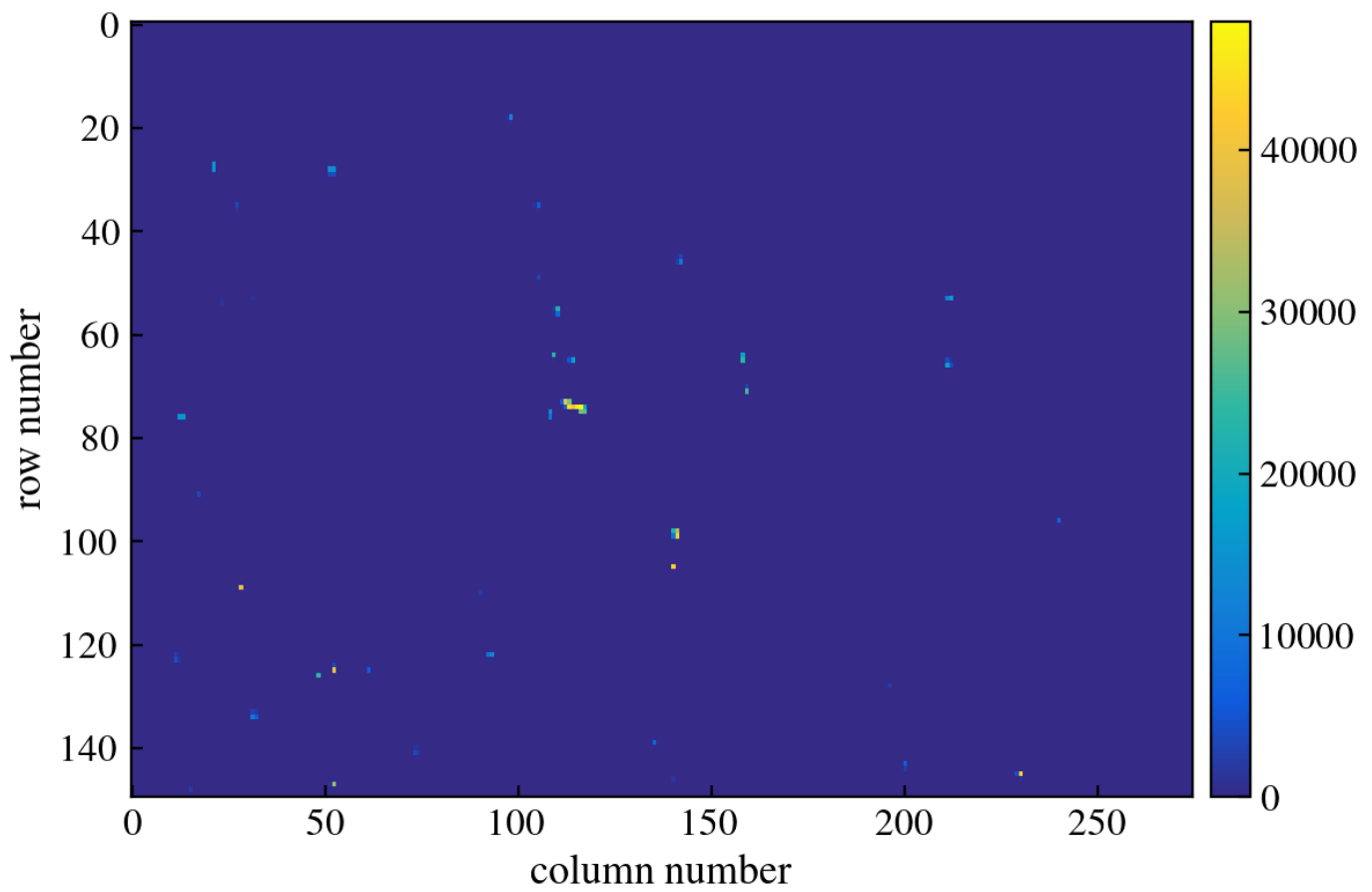


Figure 195: CCD Image

CCD Image: run 454, image 246  
[class MECCDImage]

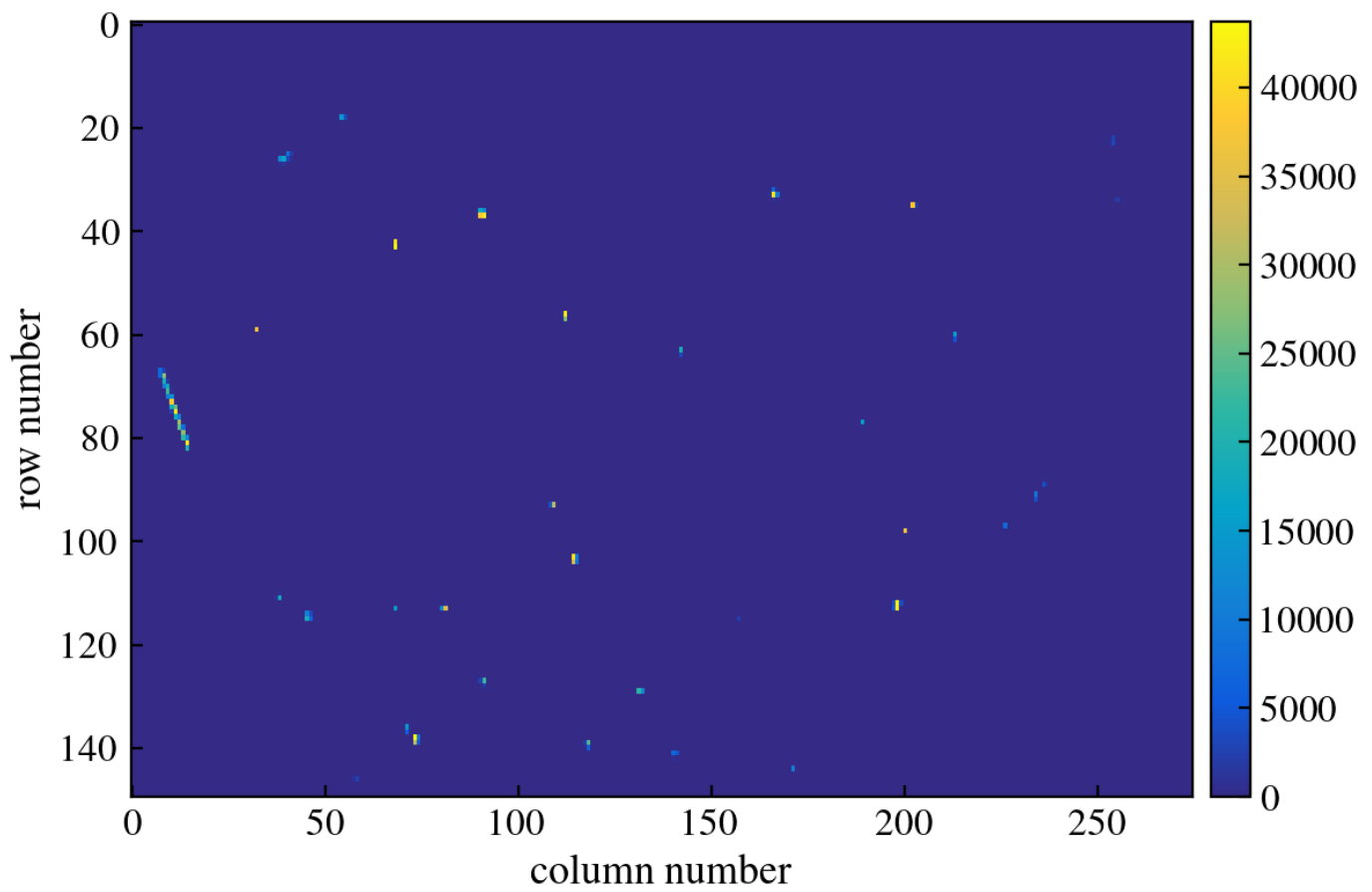


Figure 196: CCD Image

CCD Image: run 454, image 247  
[class MECCDImage]

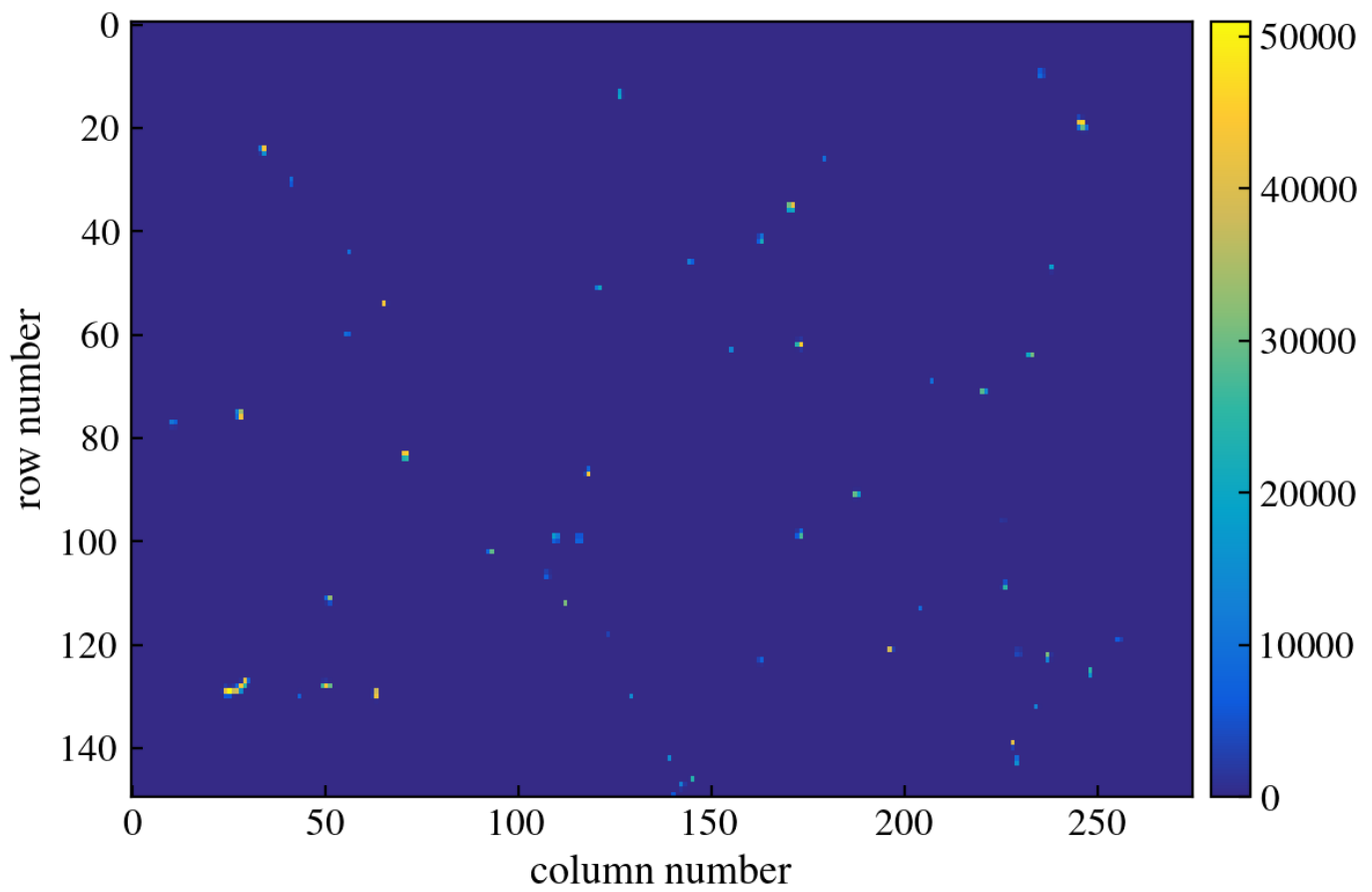


Figure 197: CCD Image

CCD Image: run 454, image 248  
[class MECCDImage]

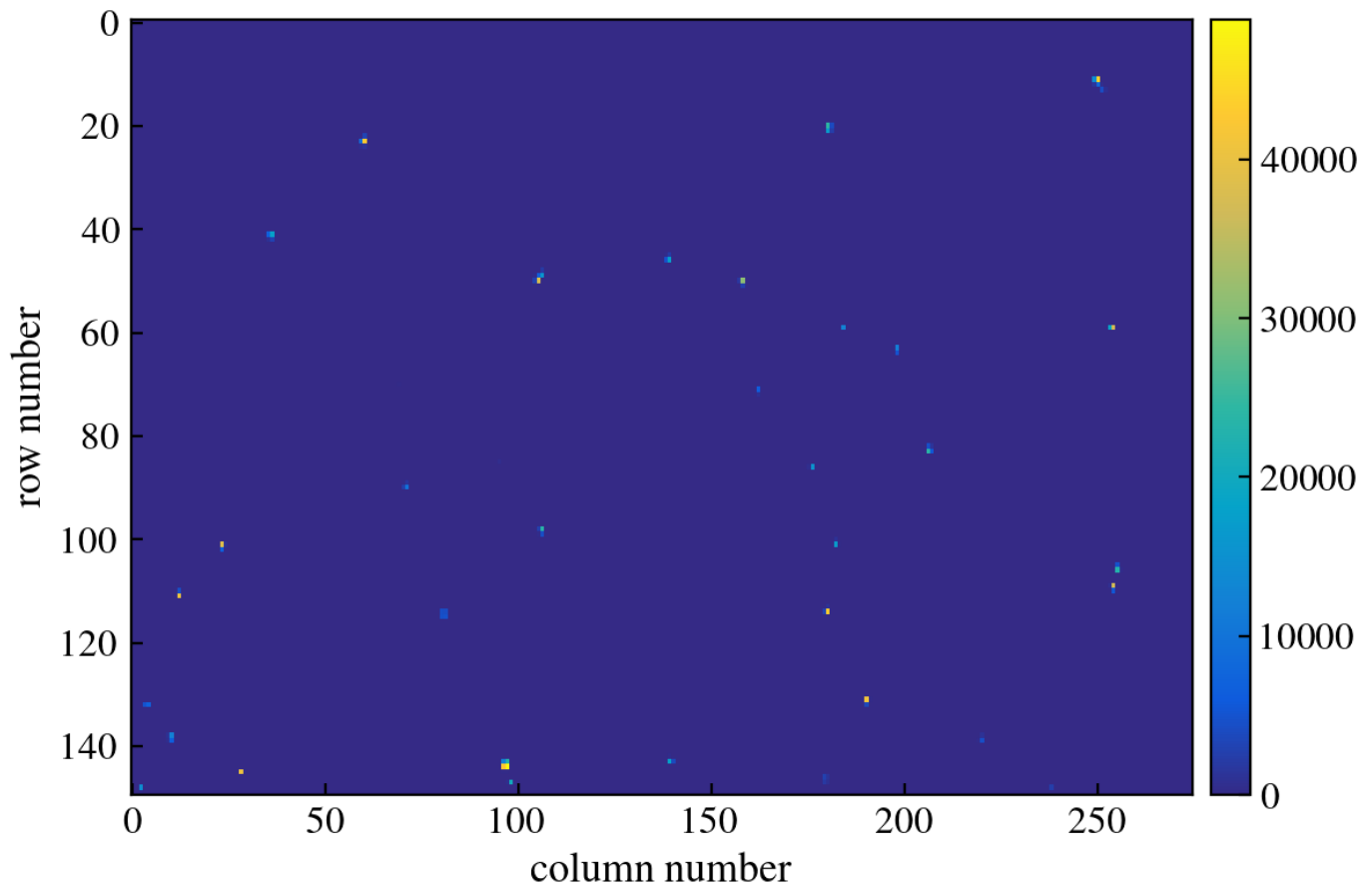


Figure 198: CCD Image

CCD Image: run 454, image 249  
[class MECCDImage]

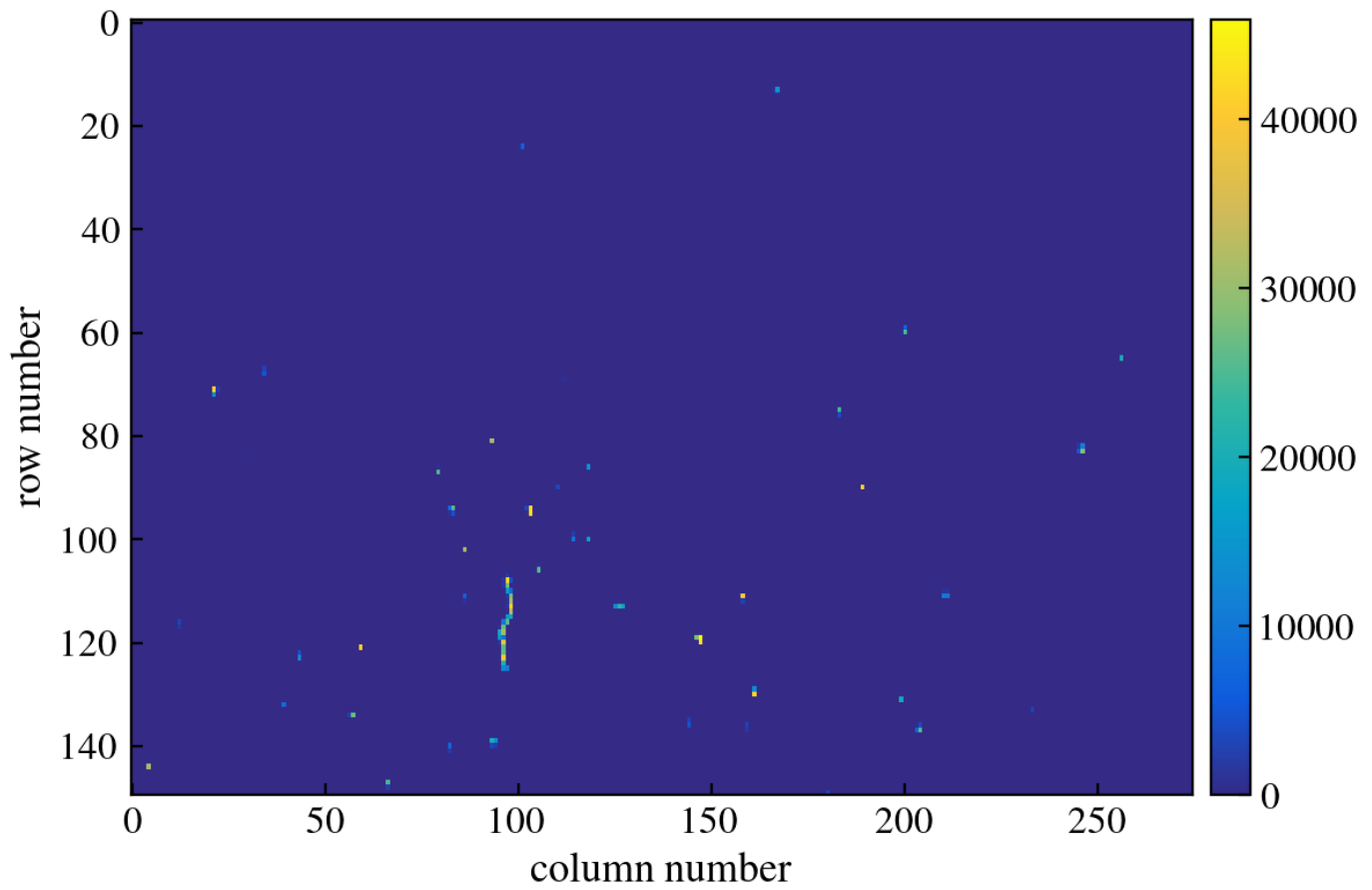


Figure 199: CCD Image



CCD Image: run 454, image 25  
[class MECCDImage]

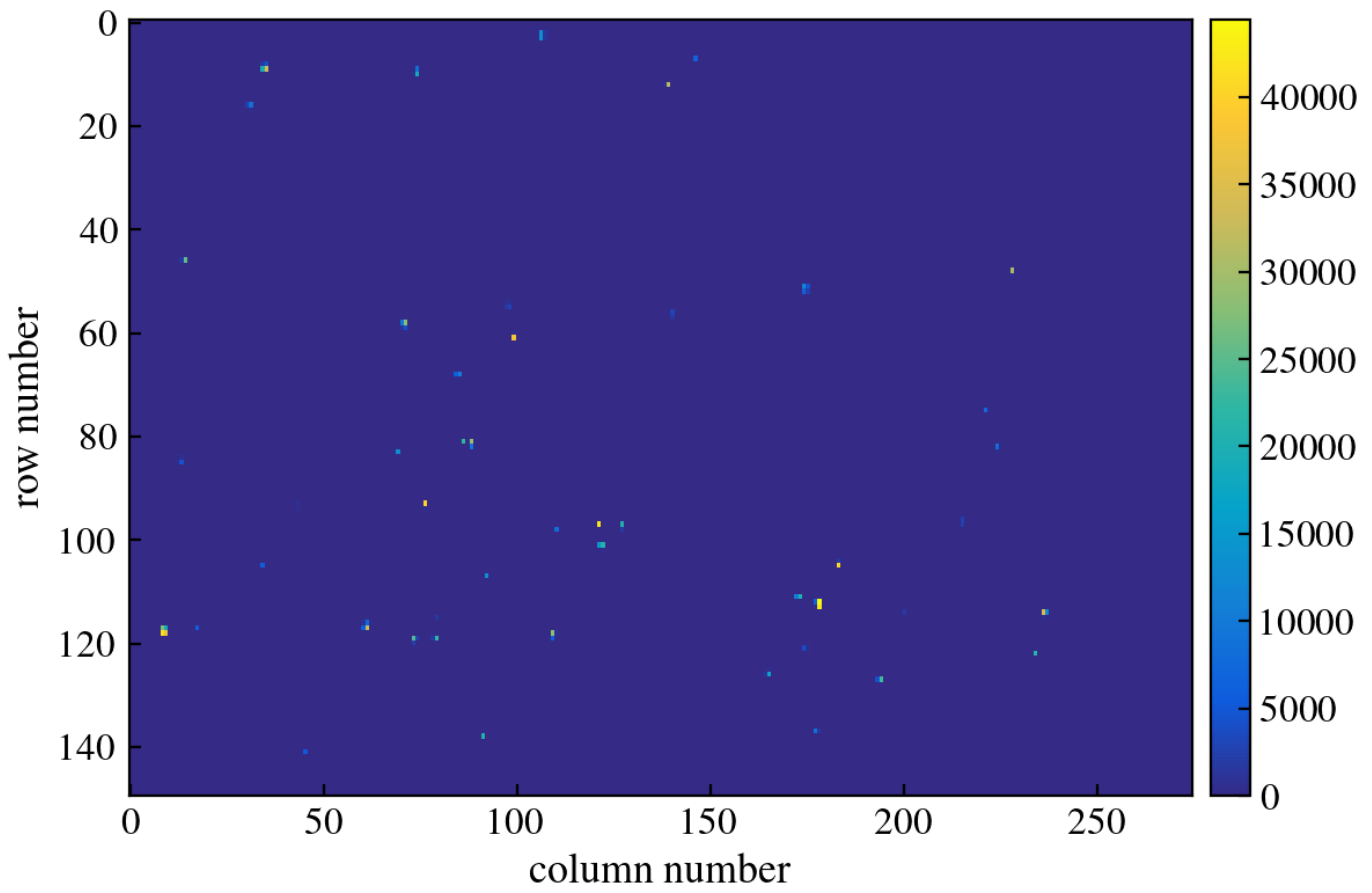


Figure 200: CCD Image

CCD Image: run 454, image 250  
[class MECCDImage]

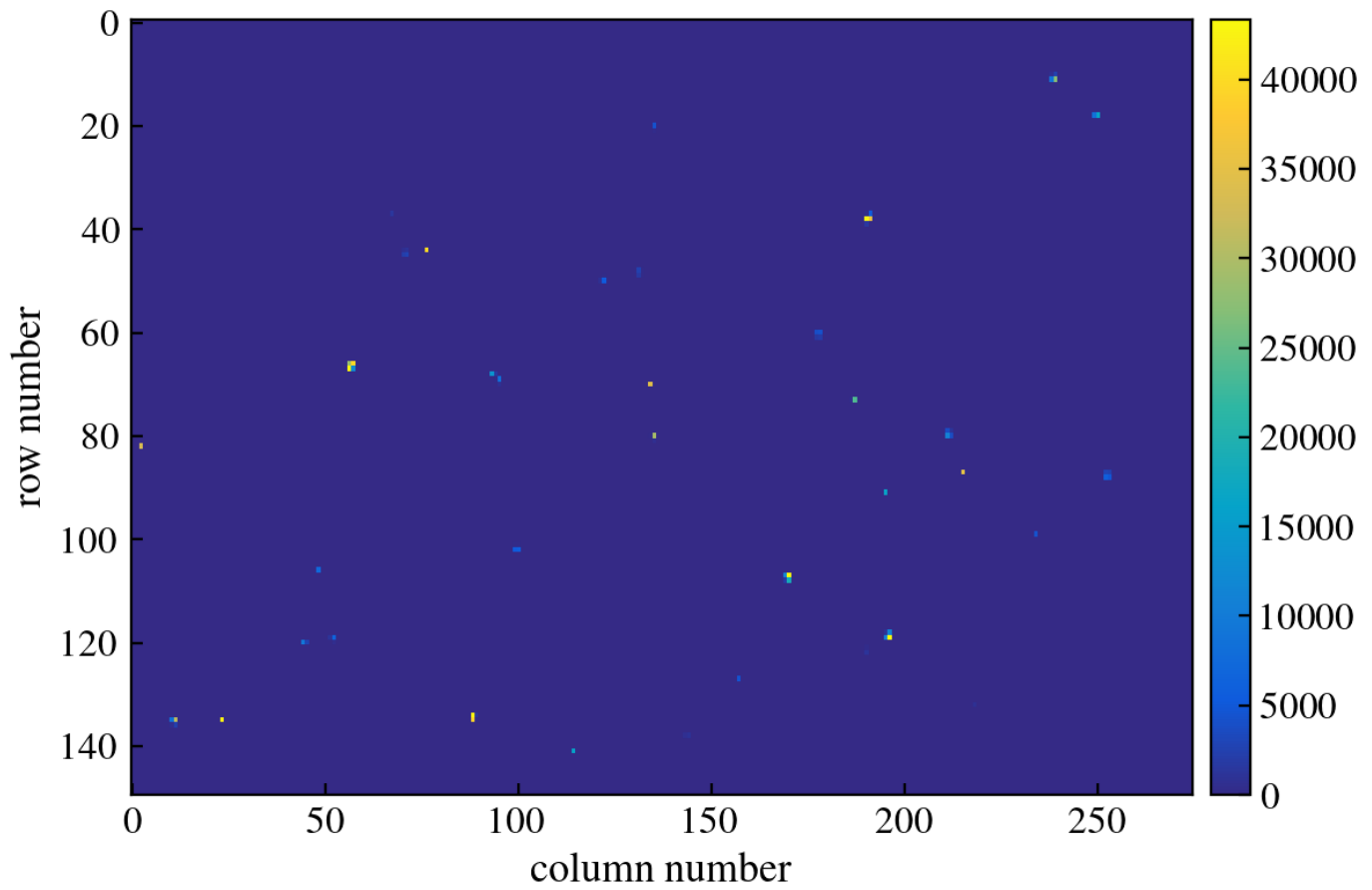


Figure 201: CCD Image

CCD Image: run 454, image 251  
[class MECCDImage]

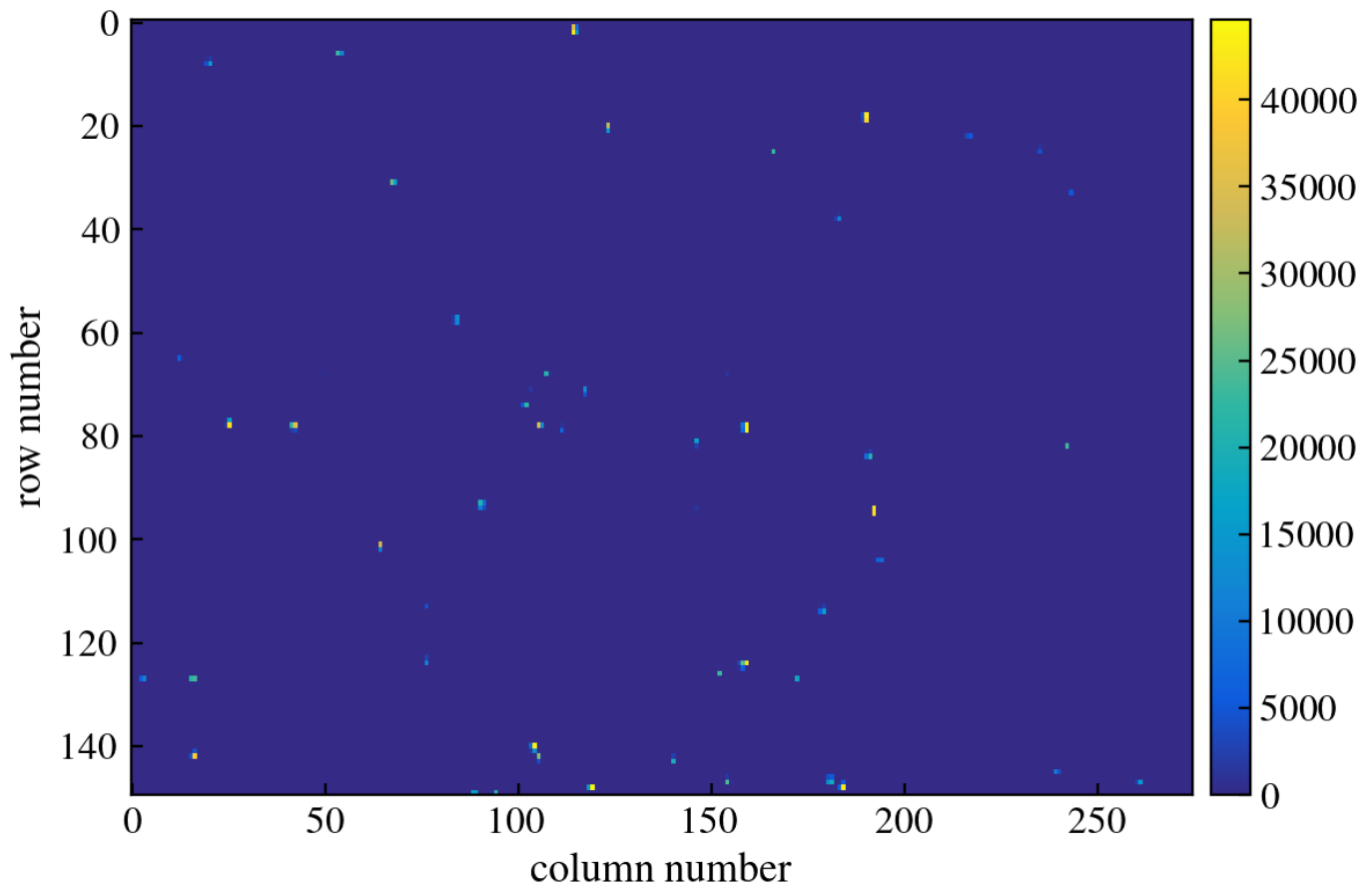


Figure 202: CCD Image

CCD Image: run 454, image 252  
[class MECCDImage]

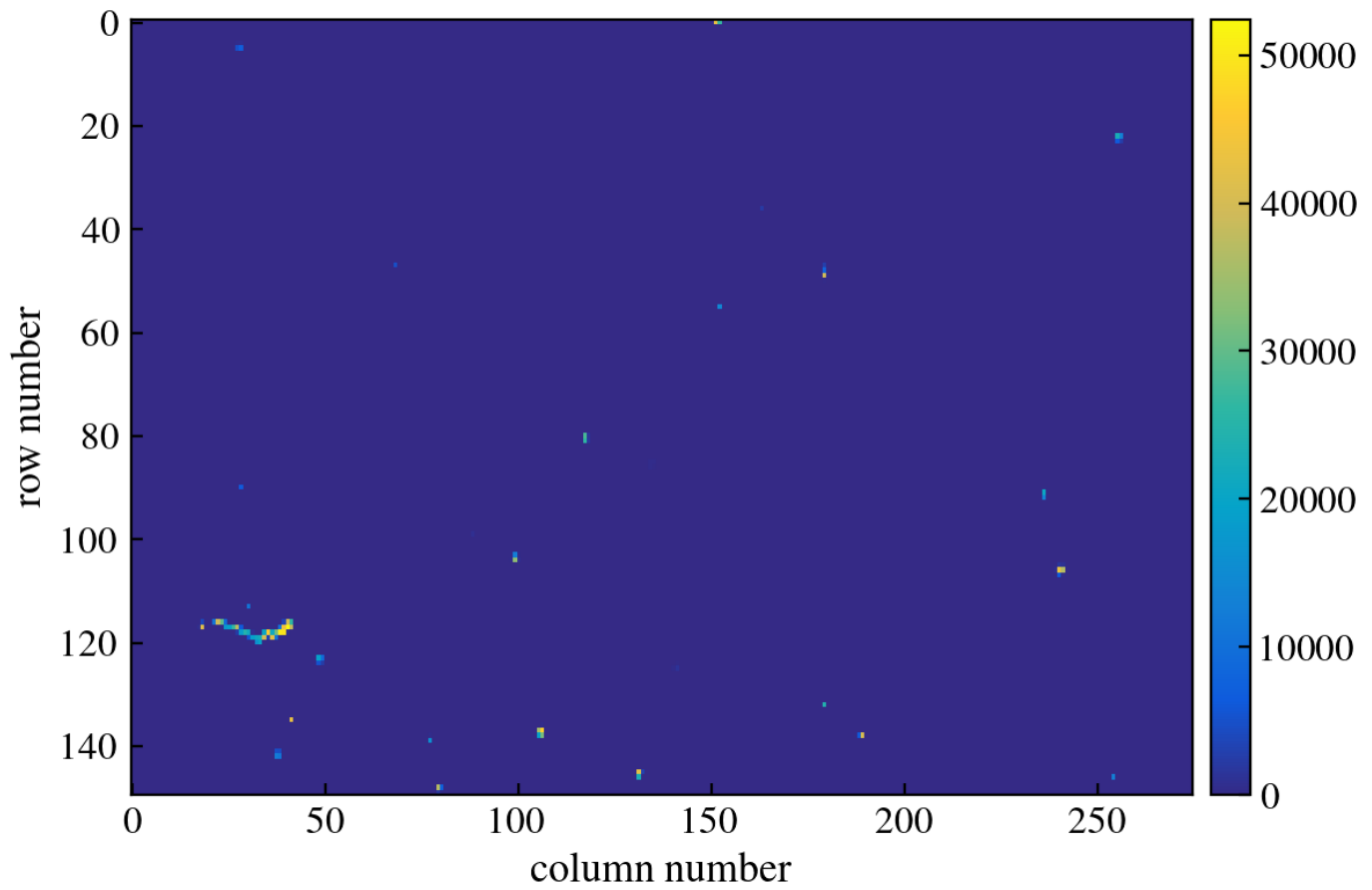


Figure 203: CCD Image

CCD Image: run 454, image 253  
[class MECCDImage]

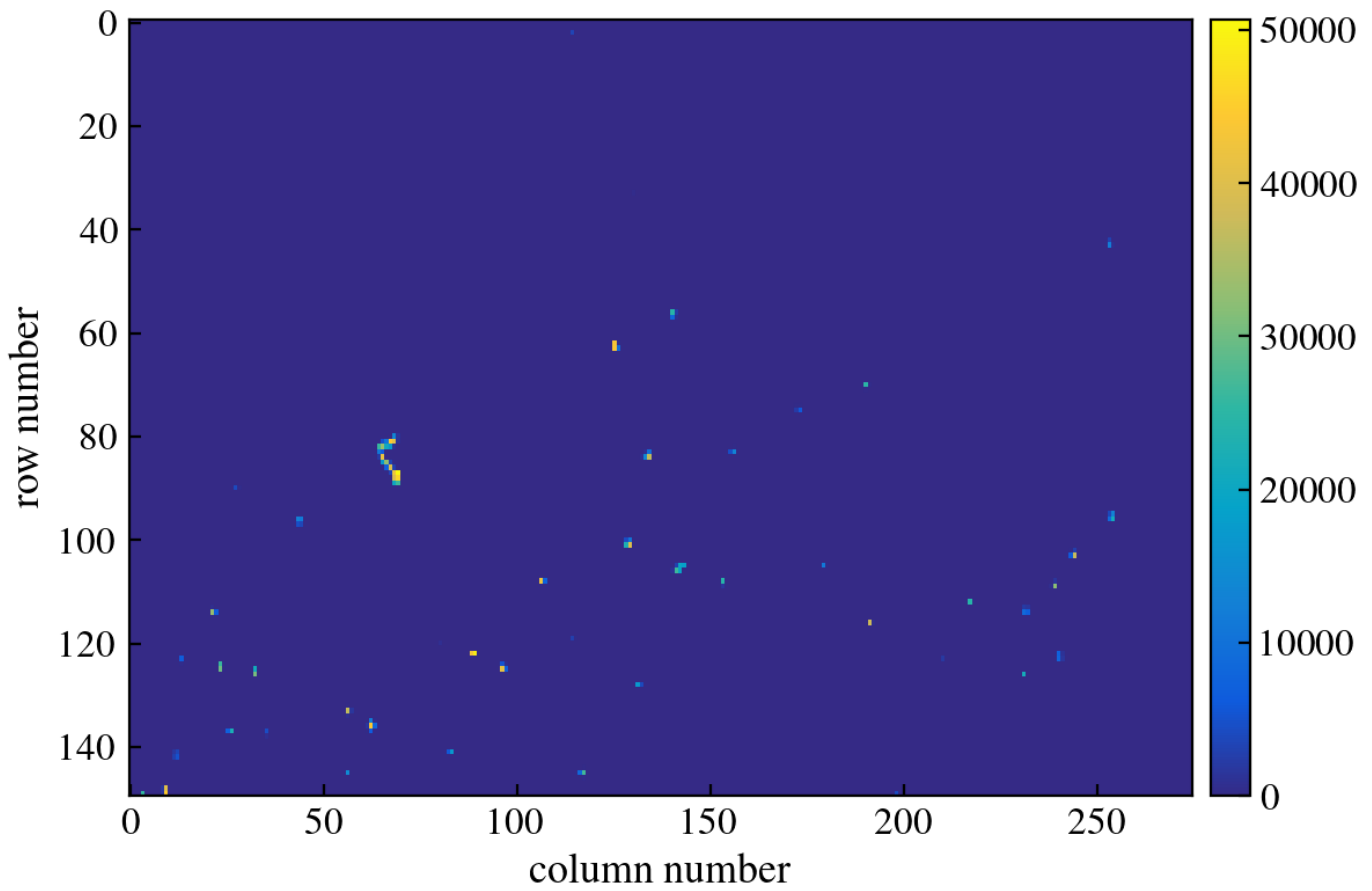


Figure 204: CCD Image

CCD Image: run 454, image 254  
[class MECCDImage]

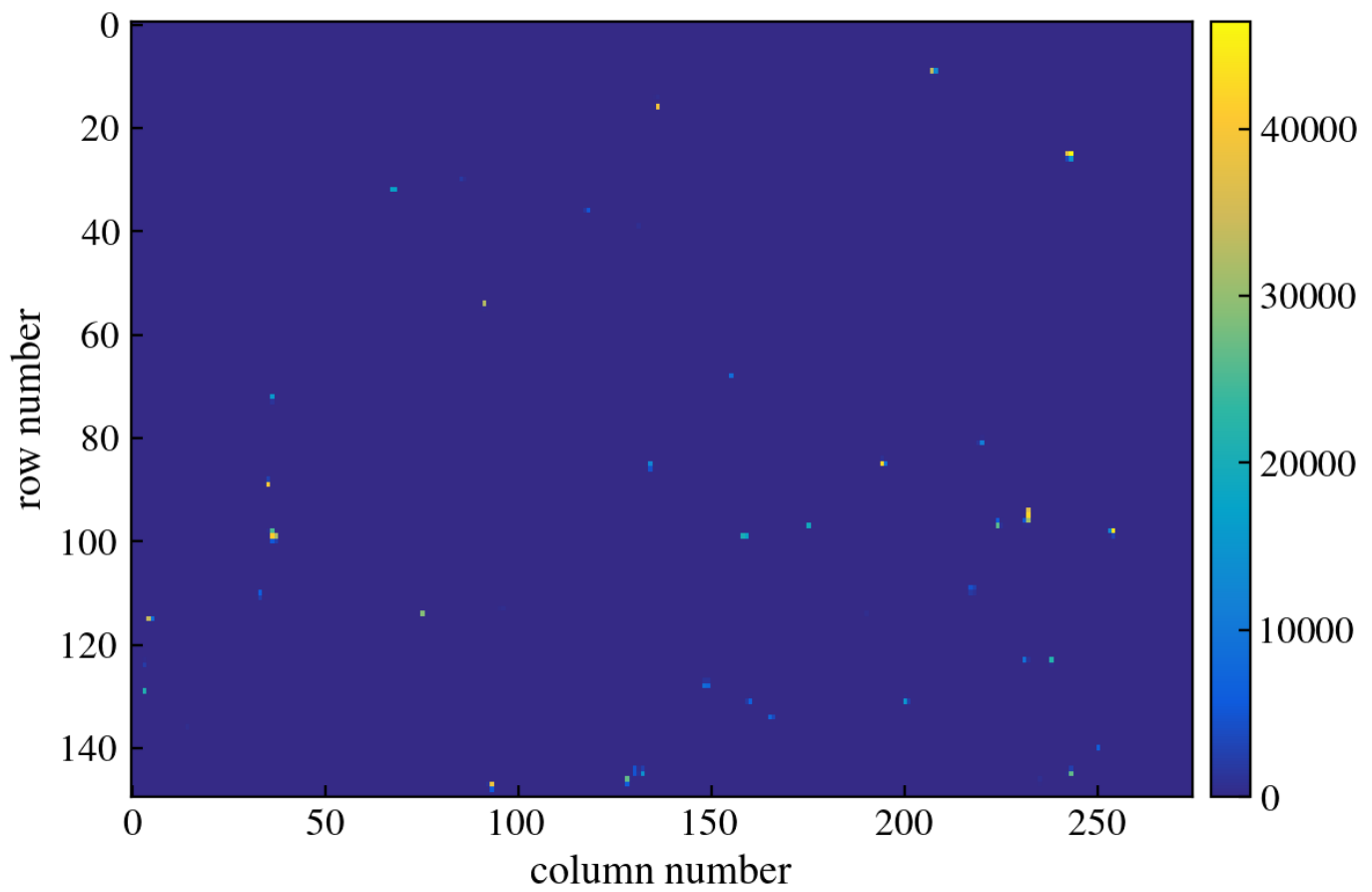


Figure 205: CCD Image

CCD Image: run 454, image 255  
[class MECCDImage]

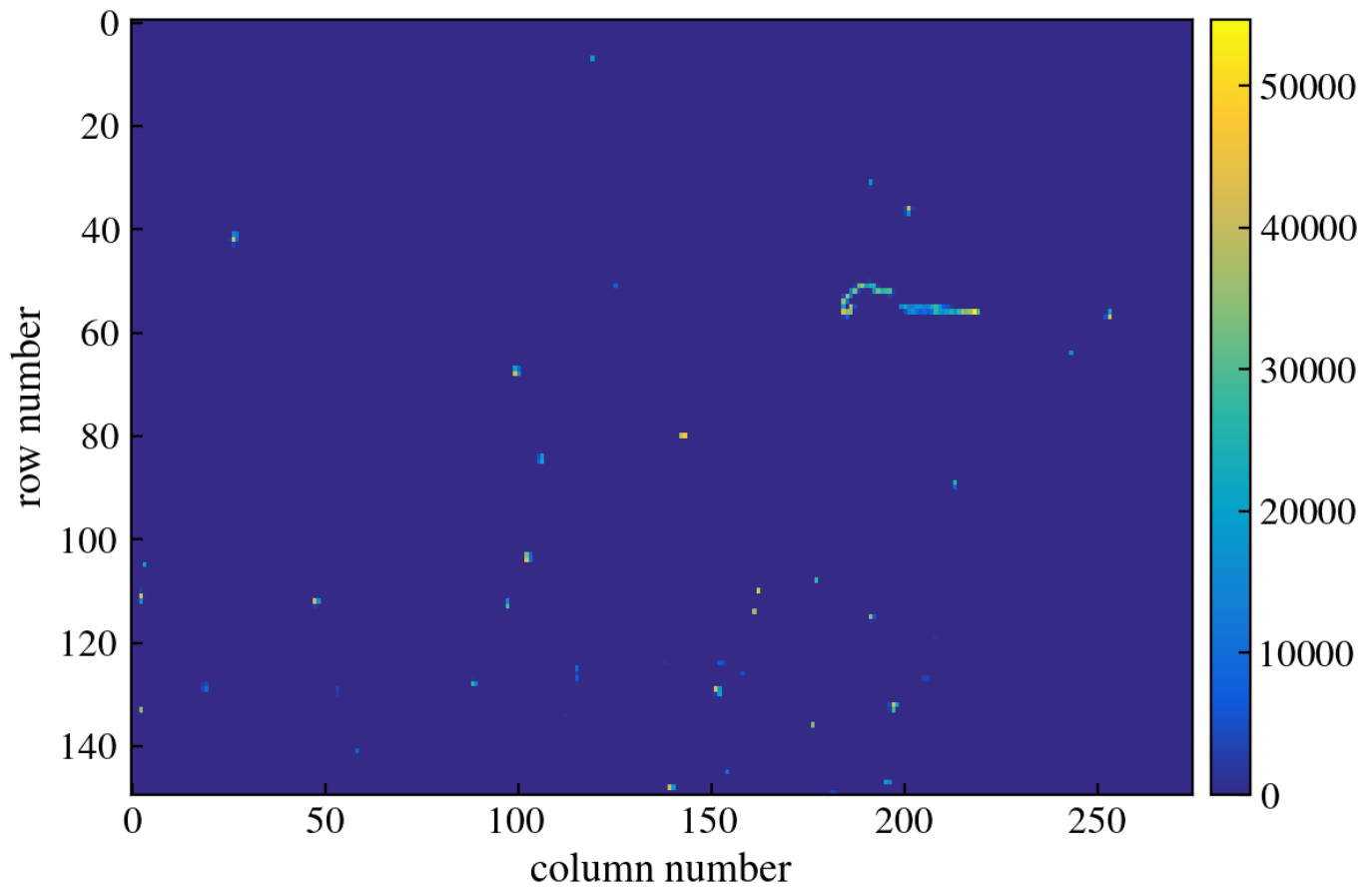


Figure 206: CCD Image

CCD Image: run 454, image 256  
[class MECCDImage]

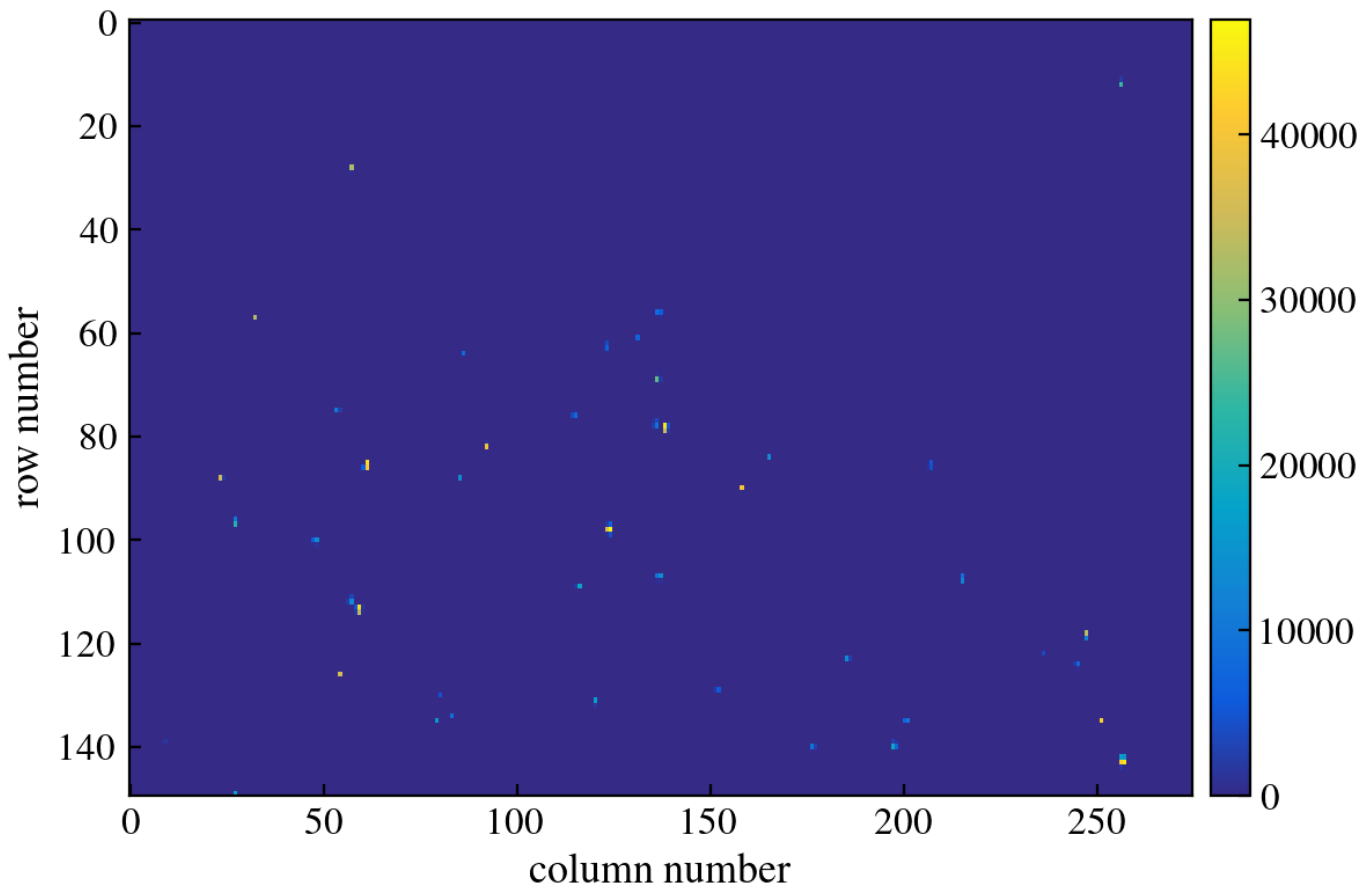


Figure 207: CCD Image



CCD Image: run 454, image 257  
[class MECCDImage]

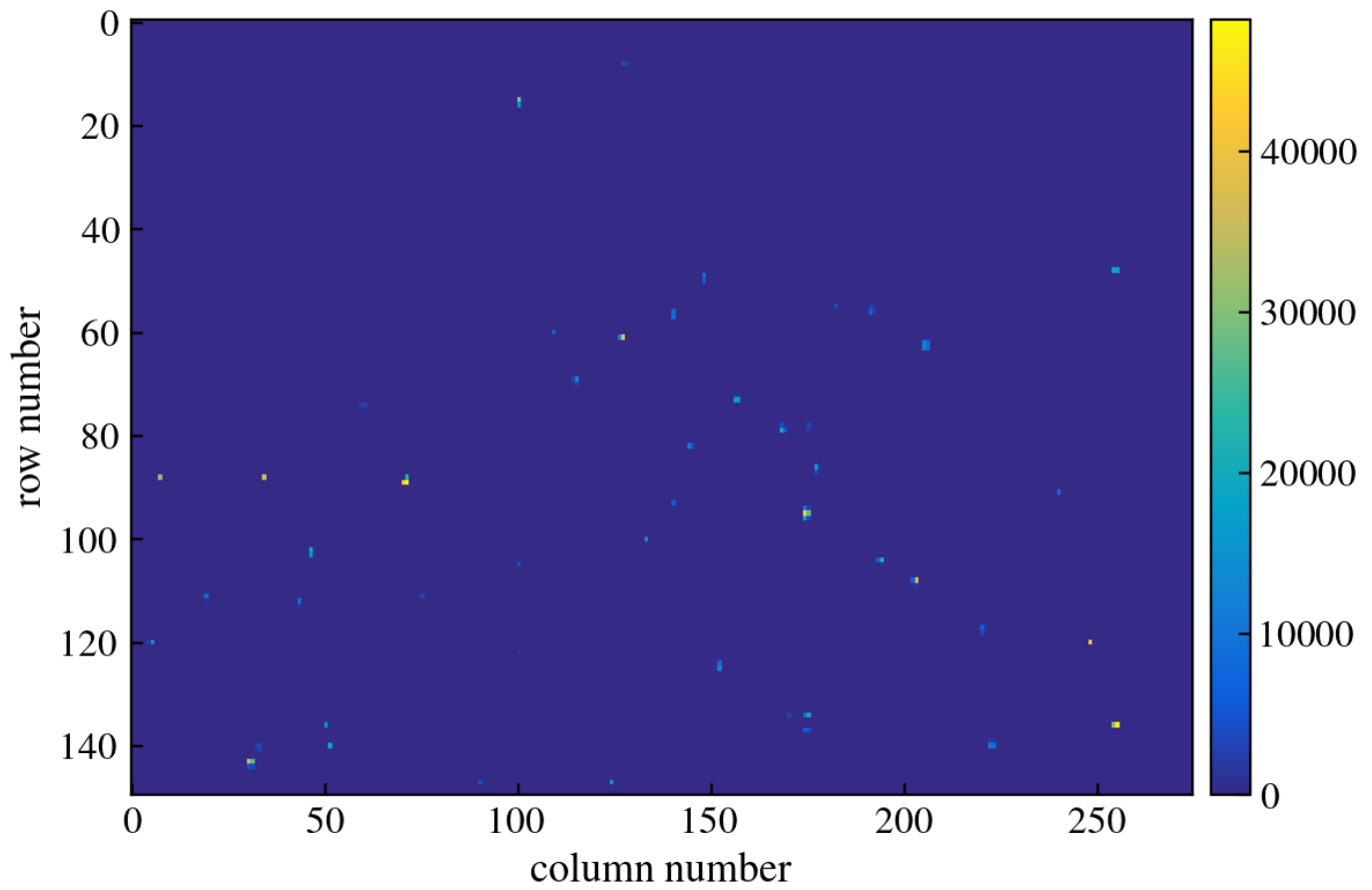


Figure 208: CCD Image

CCD Image: run 454, image 258  
[class MECCDImage]

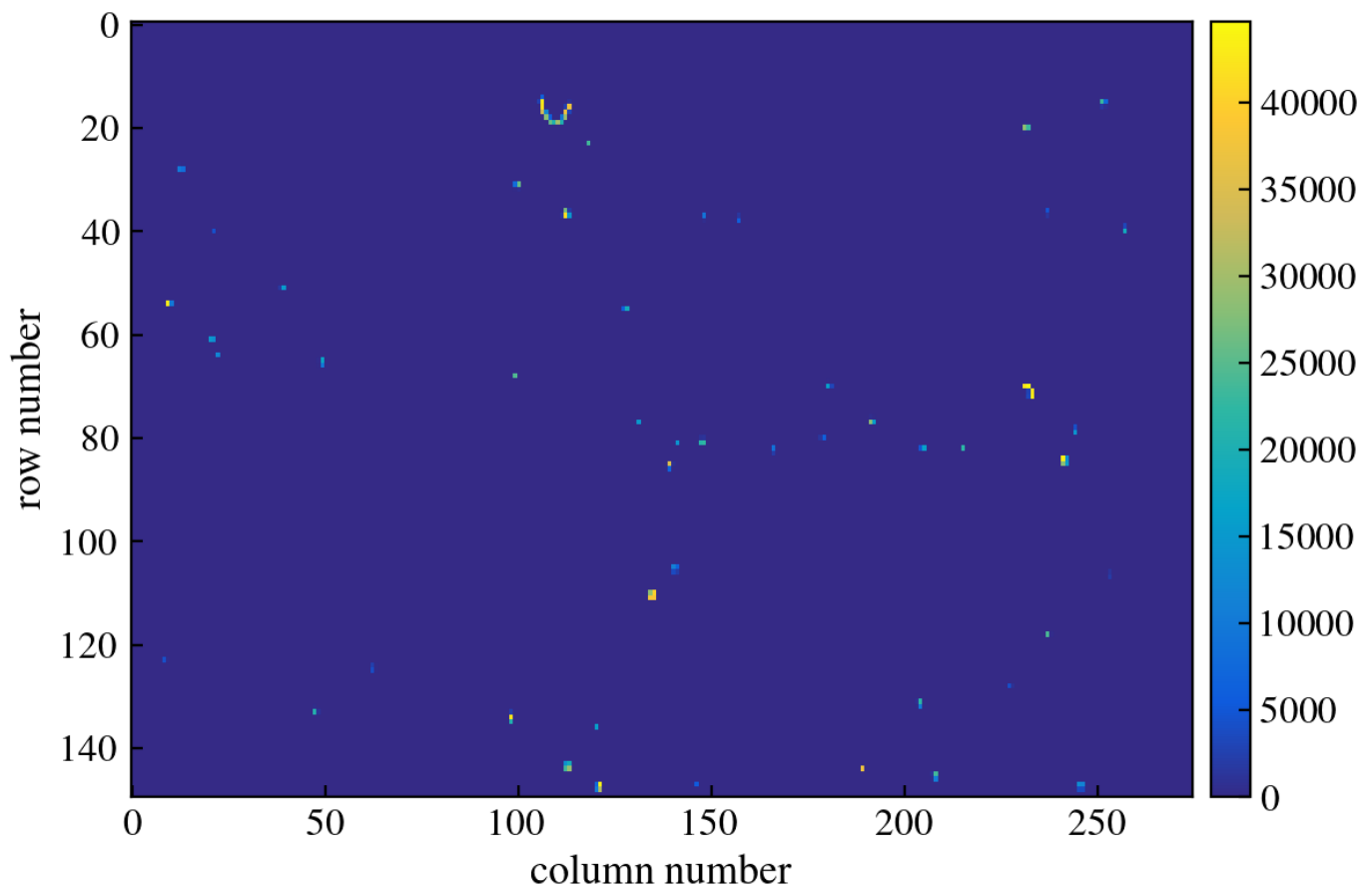


Figure 209: CCD Image

CCD Image: run 454, image 259  
[class MECCDImage]

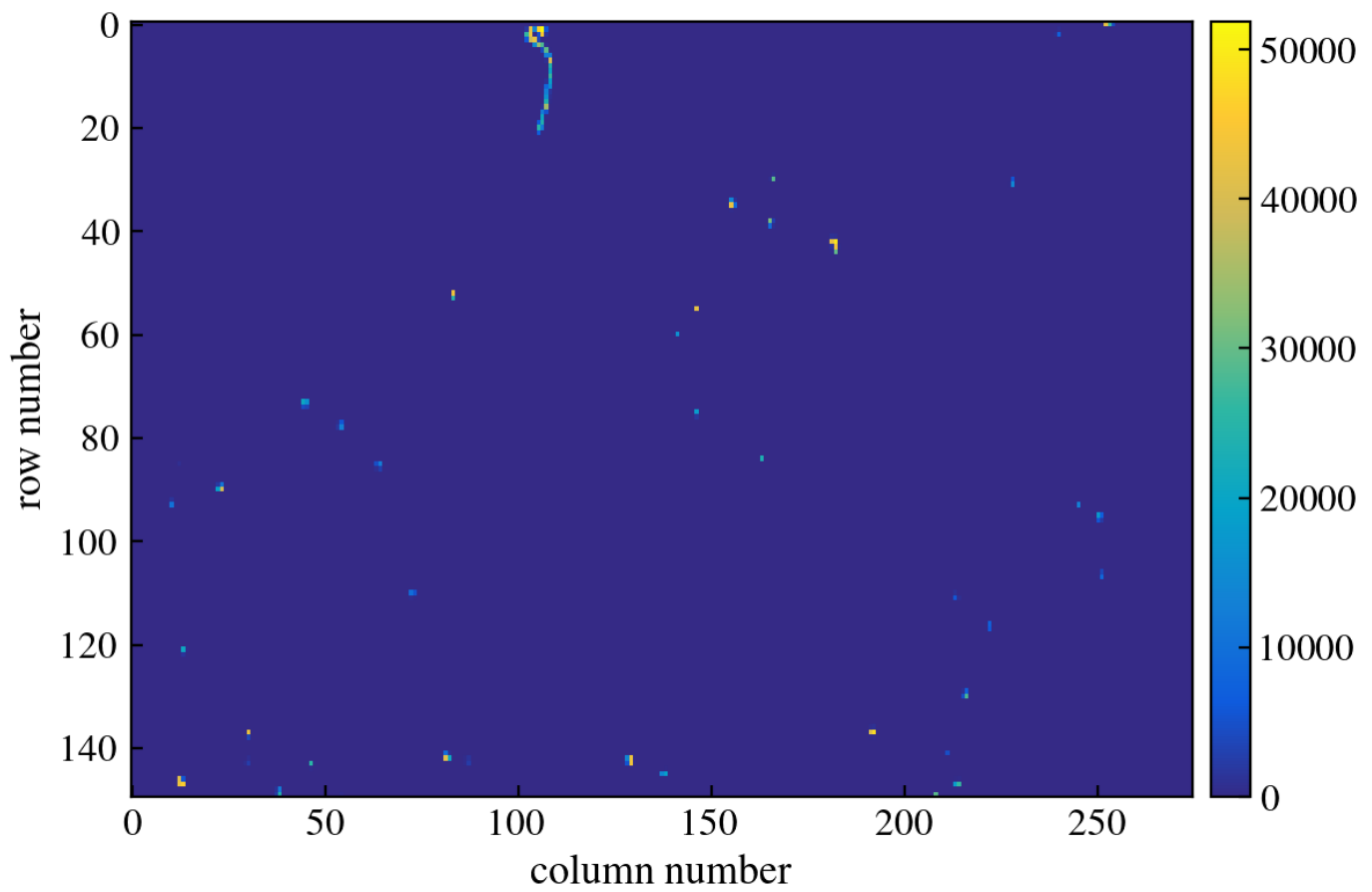


Figure 210: CCD Image

CCD Image: run 454, image 26  
[class MECCDImage]

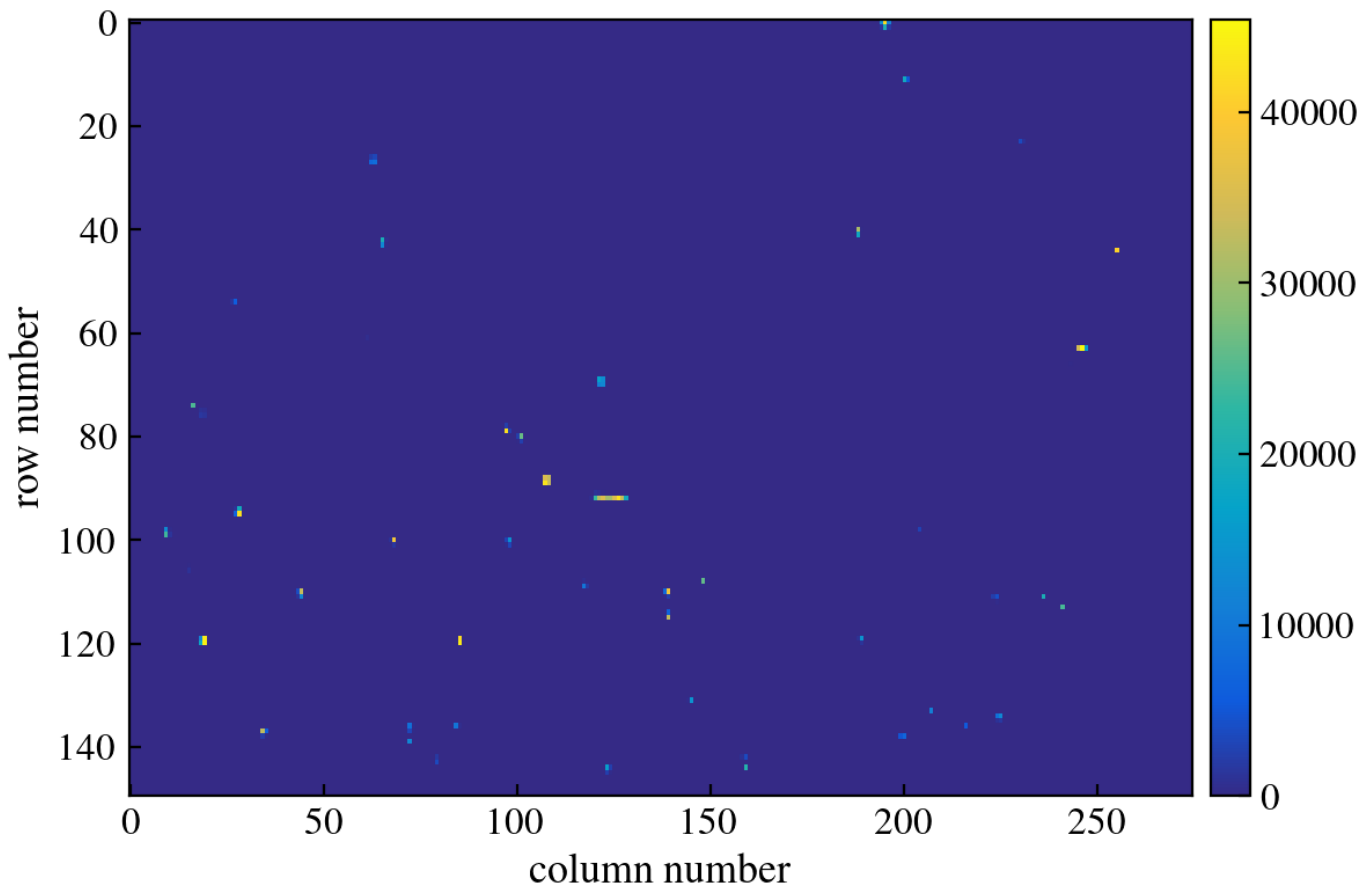


Figure 211: CCD Image

CCD Image: run 454, image 260  
[class MECCDImage]

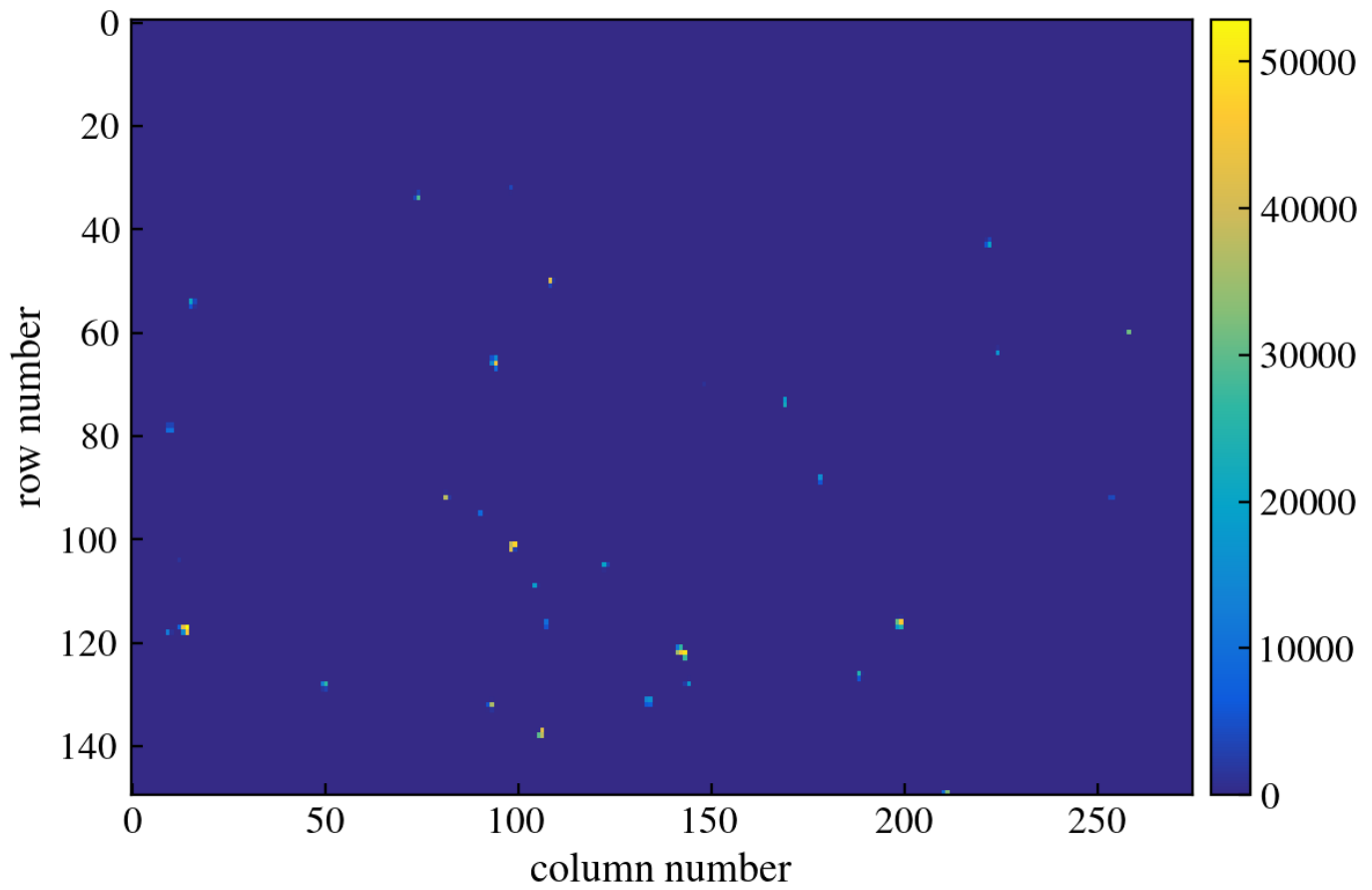


Figure 212: CCD Image

CCD Image: run 454, image 261  
[class MECCDImage]

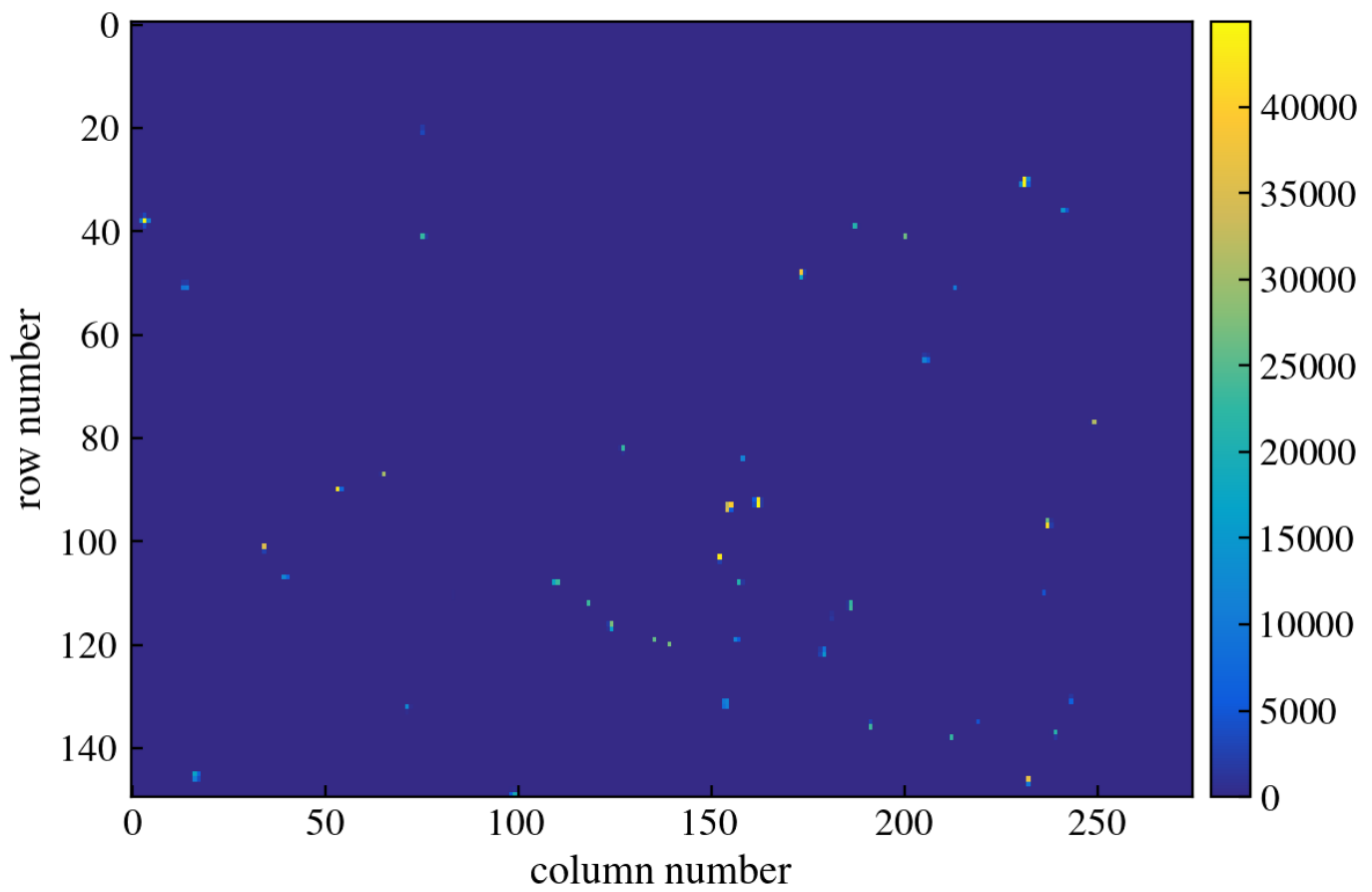


Figure 213: CCD Image

CCD Image: run 454, image 262  
[class MECCDImage]

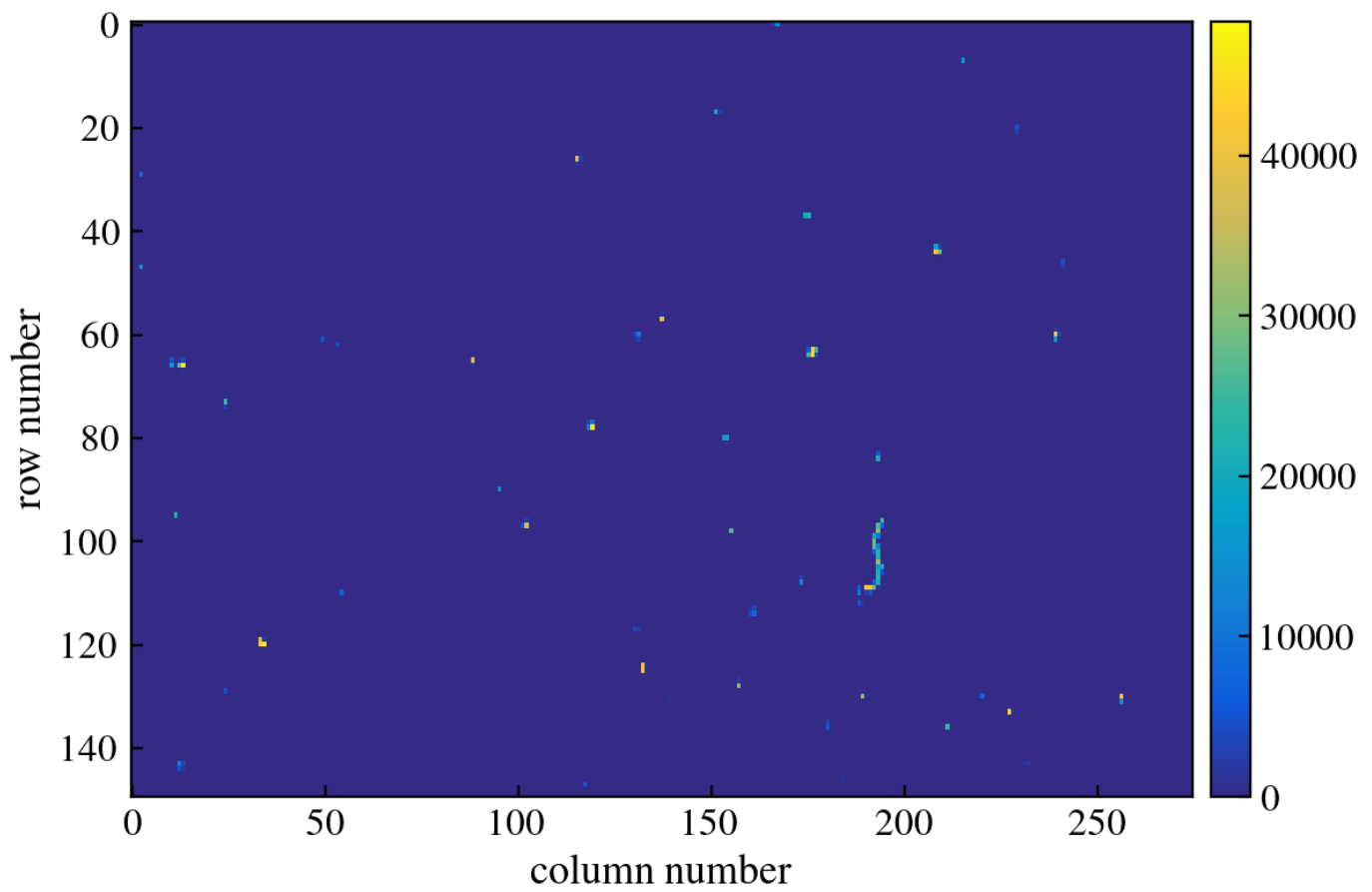


Figure 214: CCD Image

CCD Image: run 454, image 263  
[class MECCDImage]

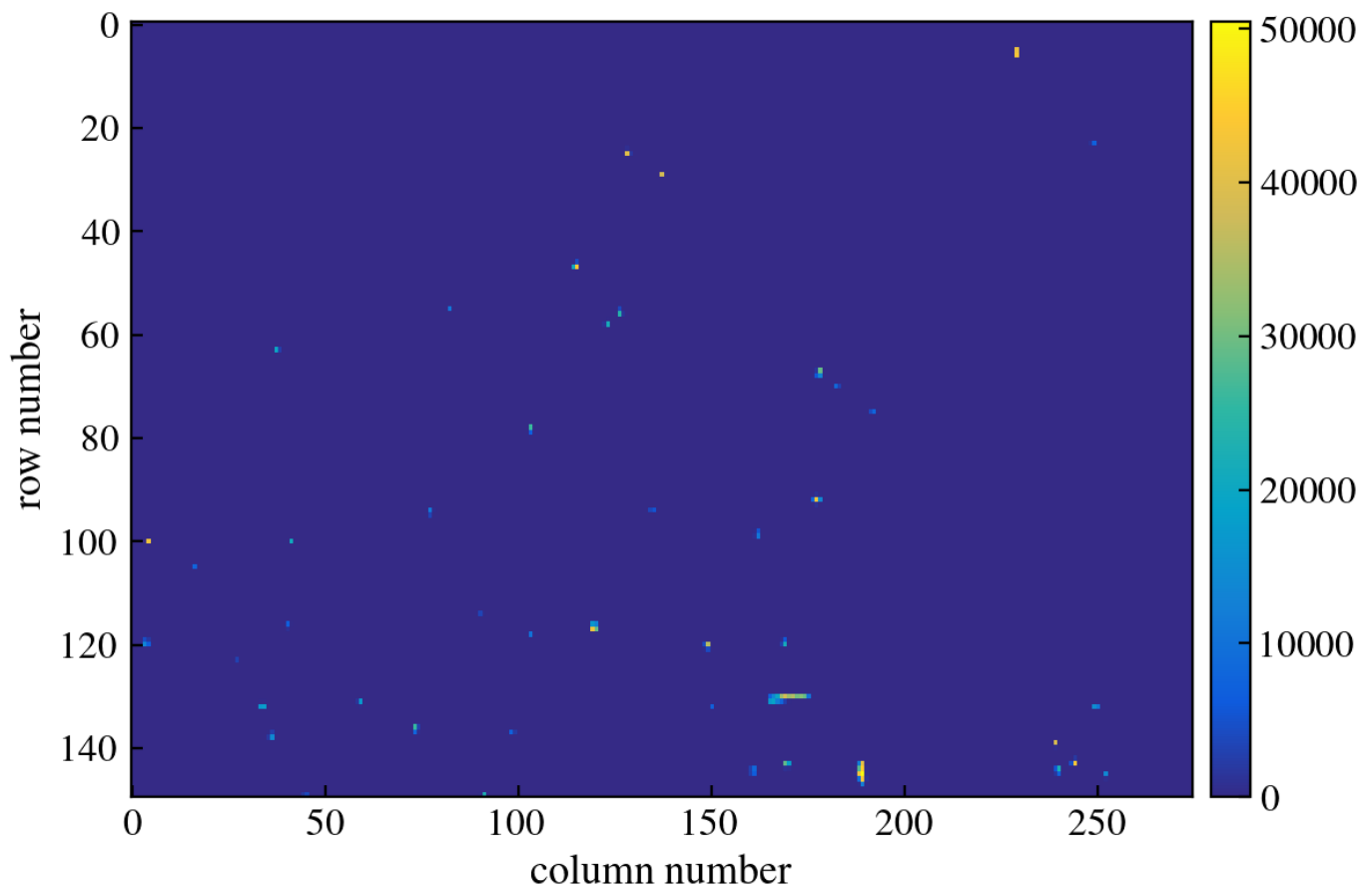


Figure 215: CCD Image



CCD Image: run 454, image 264  
[class MECCDImage]

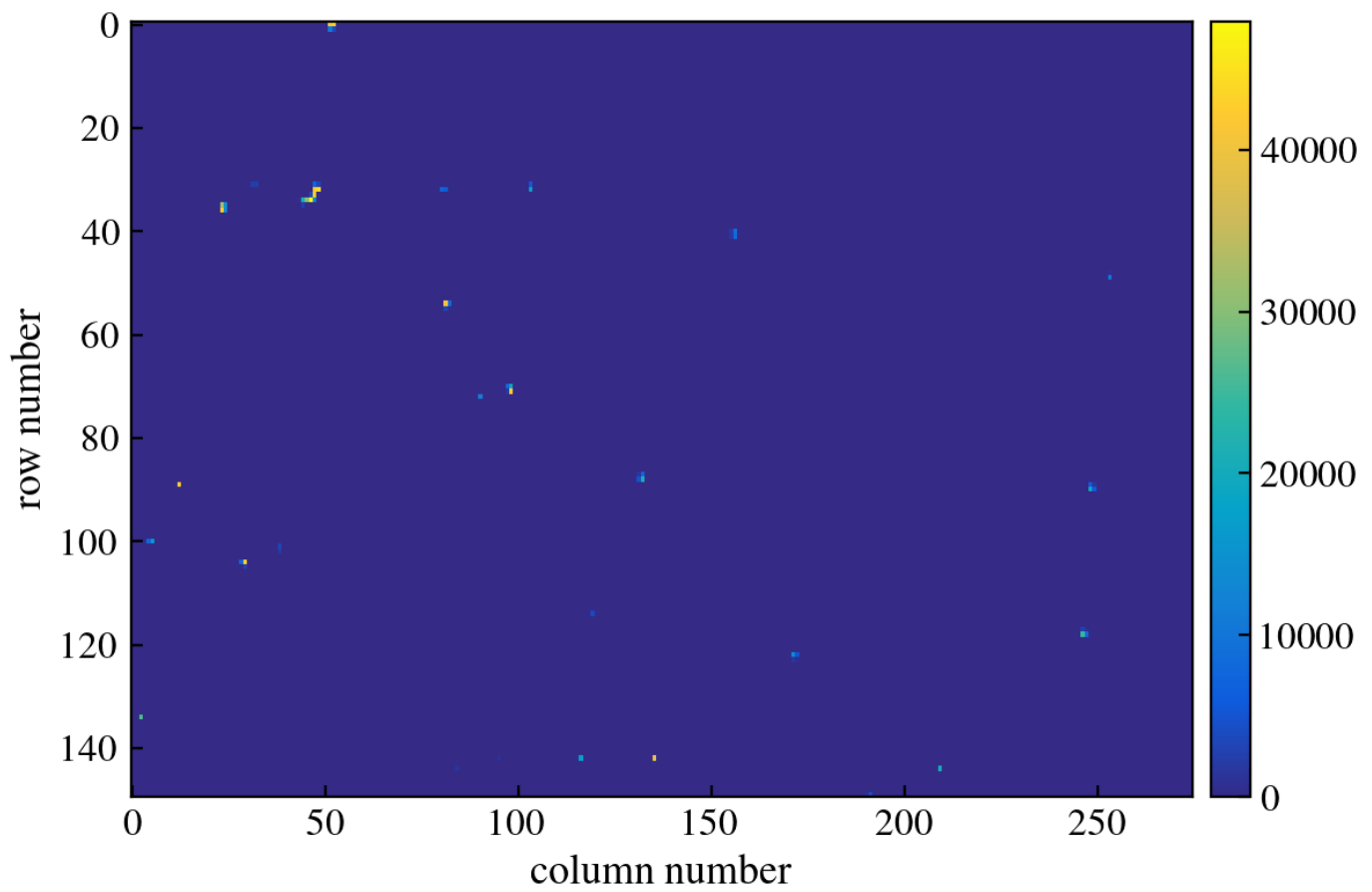


Figure 216: CCD Image

CCD Image: run 454, image 265  
[class MECCDImage]

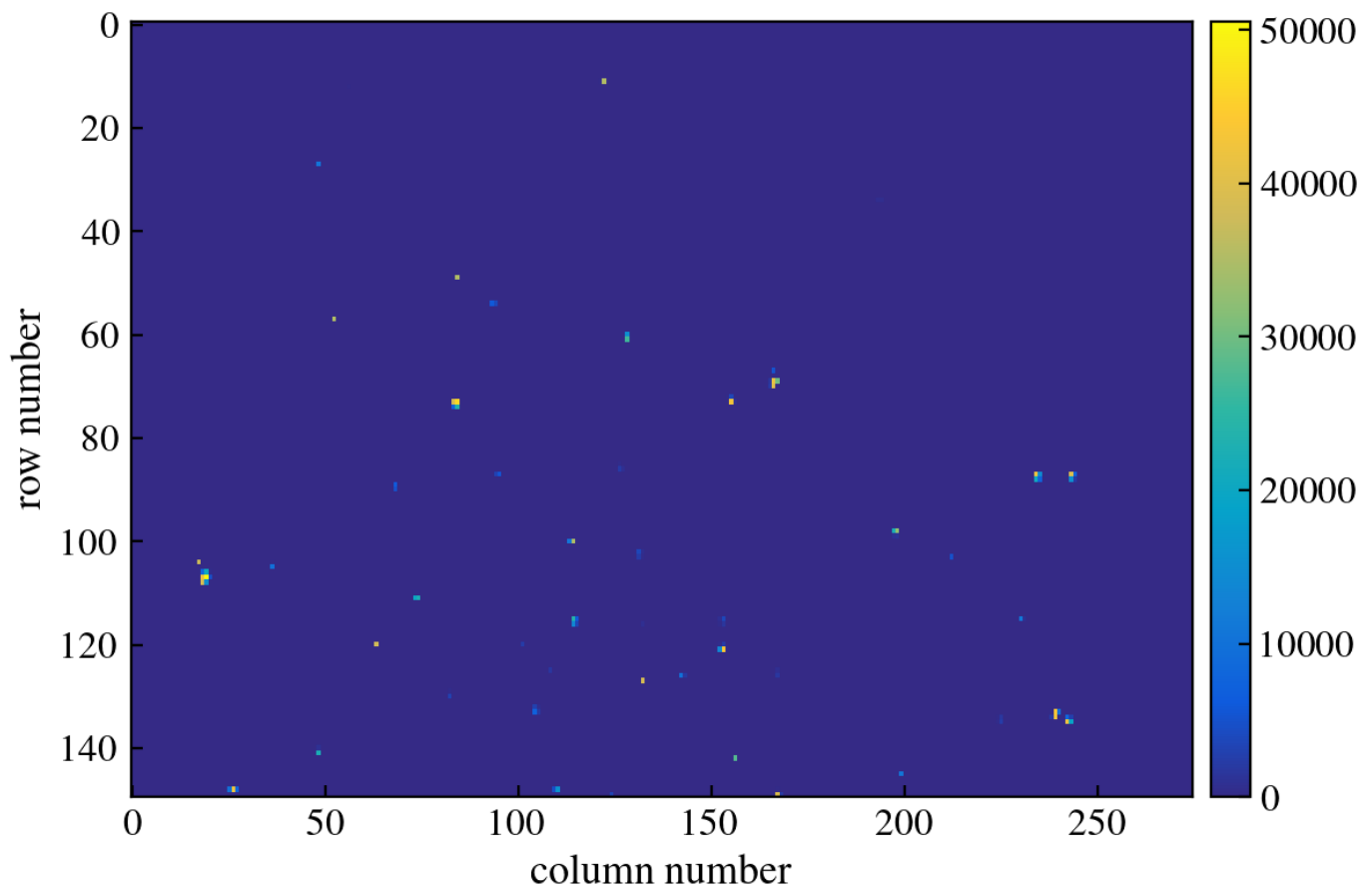


Figure 217: CCD Image

CCD Image: run 454, image 266  
[class MECCDImage]

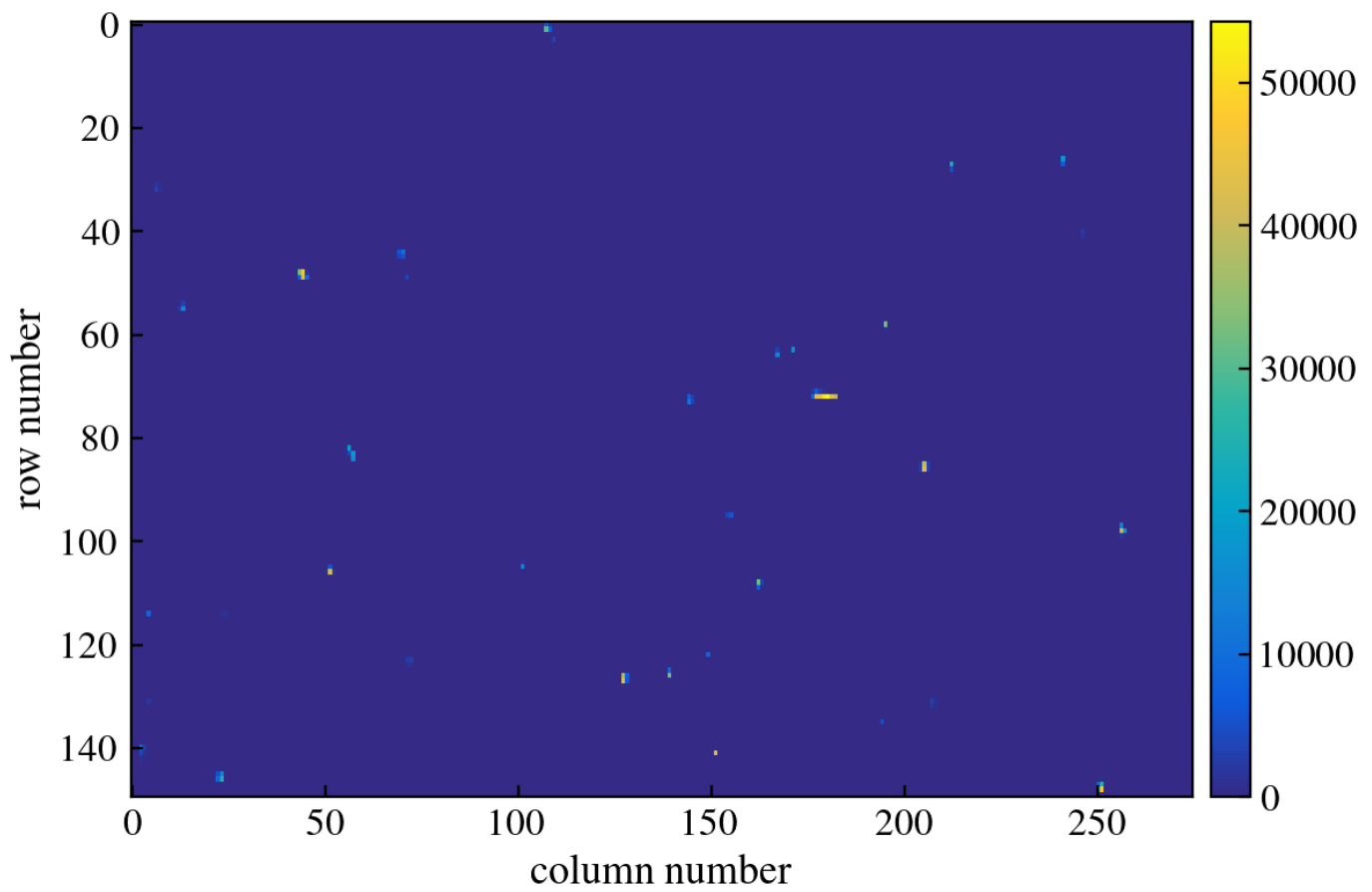


Figure 218: CCD Image

CCD Image: run 454, image 267  
[class MECCDImage]

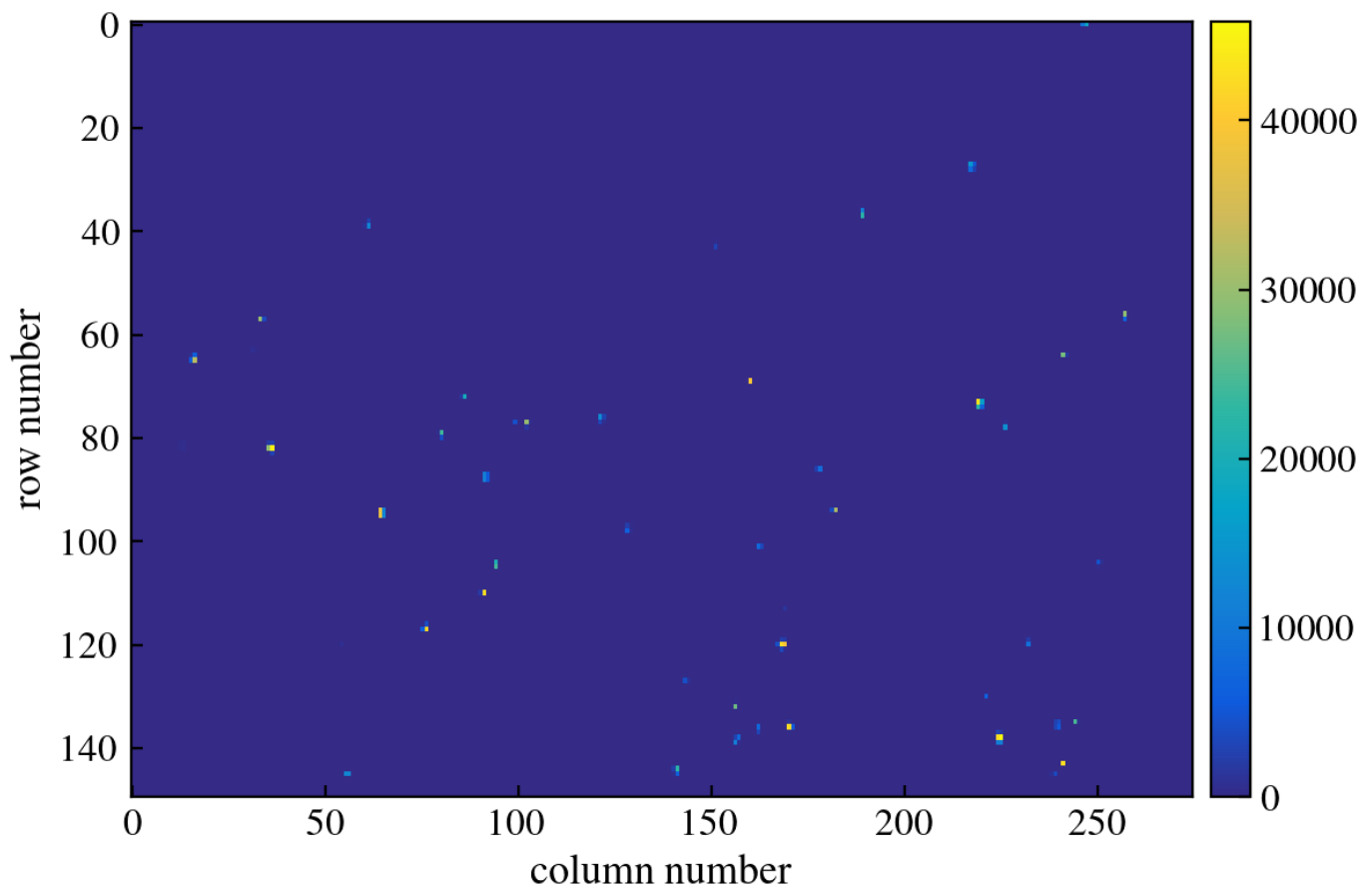


Figure 219: CCD Image

CCD Image: run 454, image 268  
[class MECCDImage]

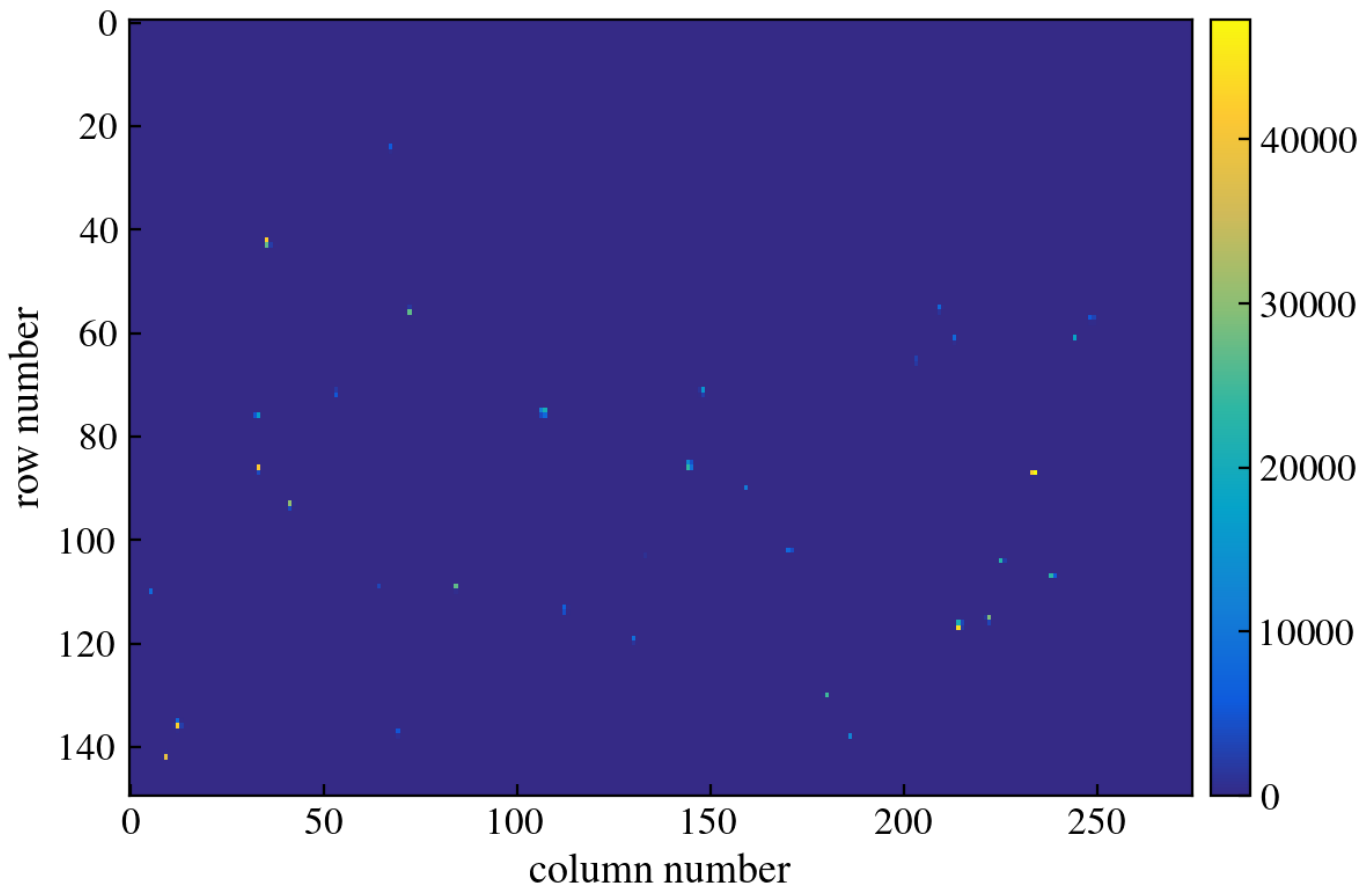


Figure 220: CCD Image

CCD Image: run 454, image 269  
[class MECCDImage]

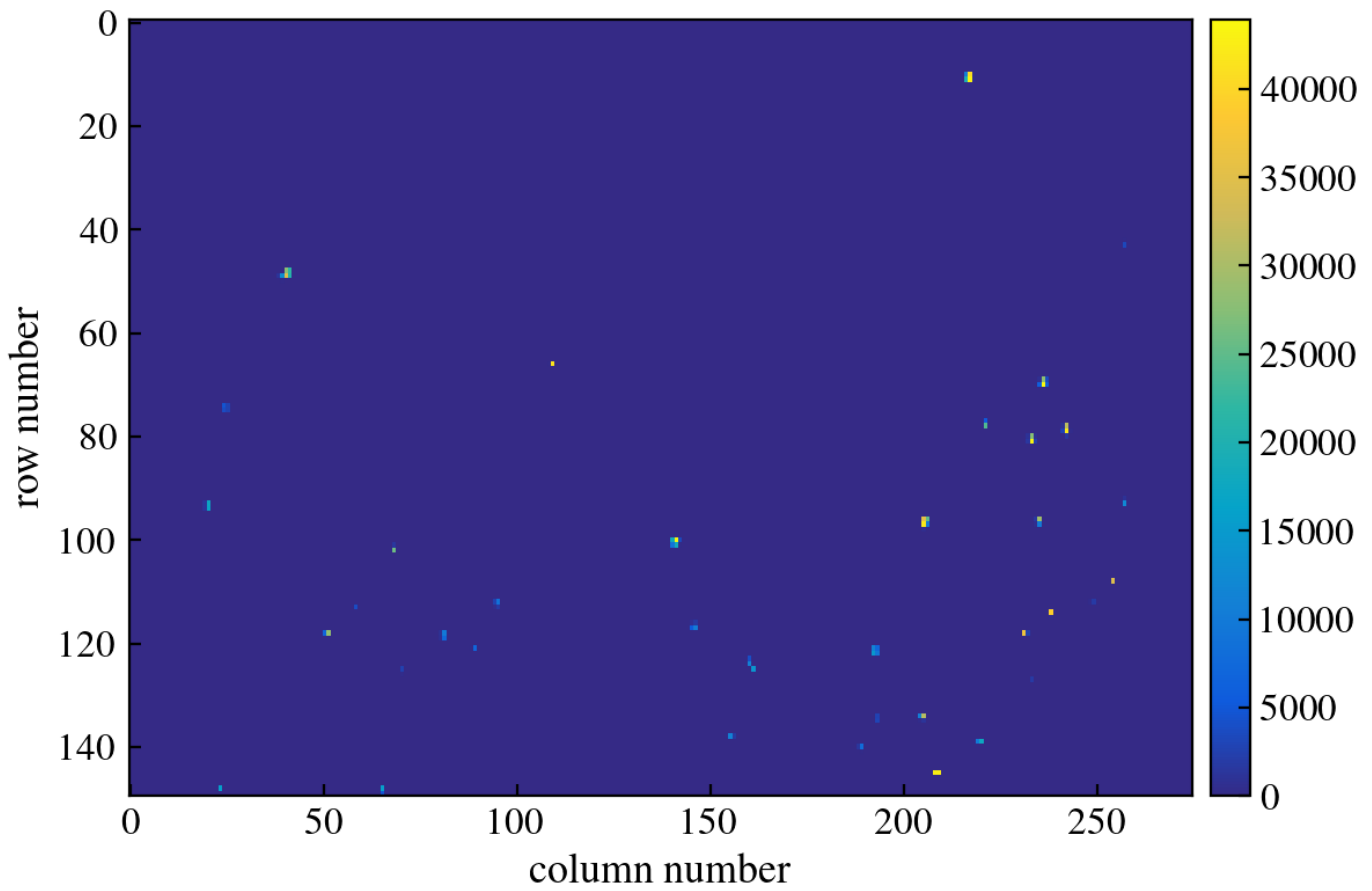


Figure 221: CCD Image

CCD Image: run 454, image 27  
[class MECCDImage]

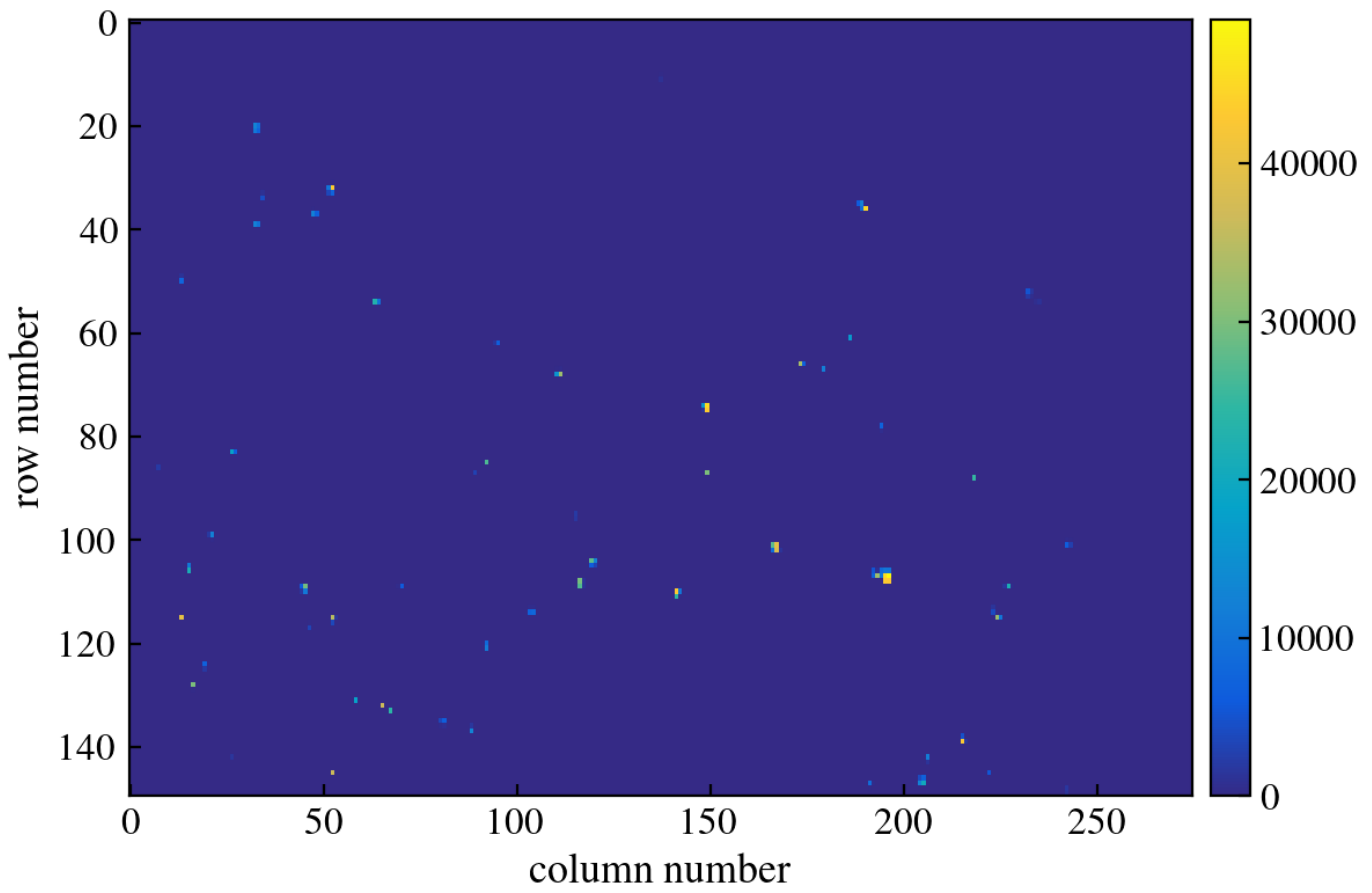


Figure 222: CCD Image

CCD Image: run 454, image 270  
[class MECCDImage]

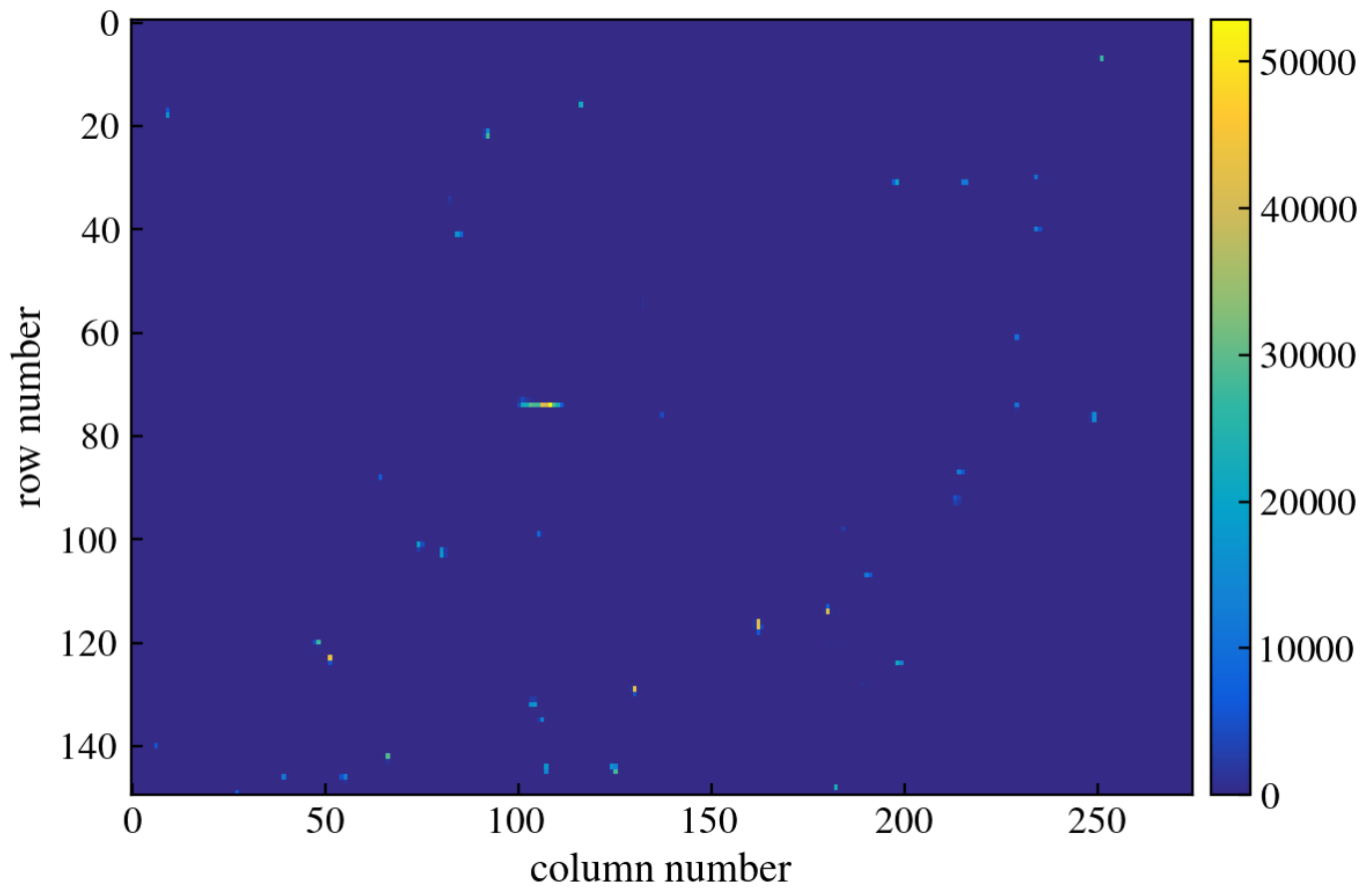


Figure 223: CCD Image



CCD Image: run 454, image 271  
[class MECCDImage]

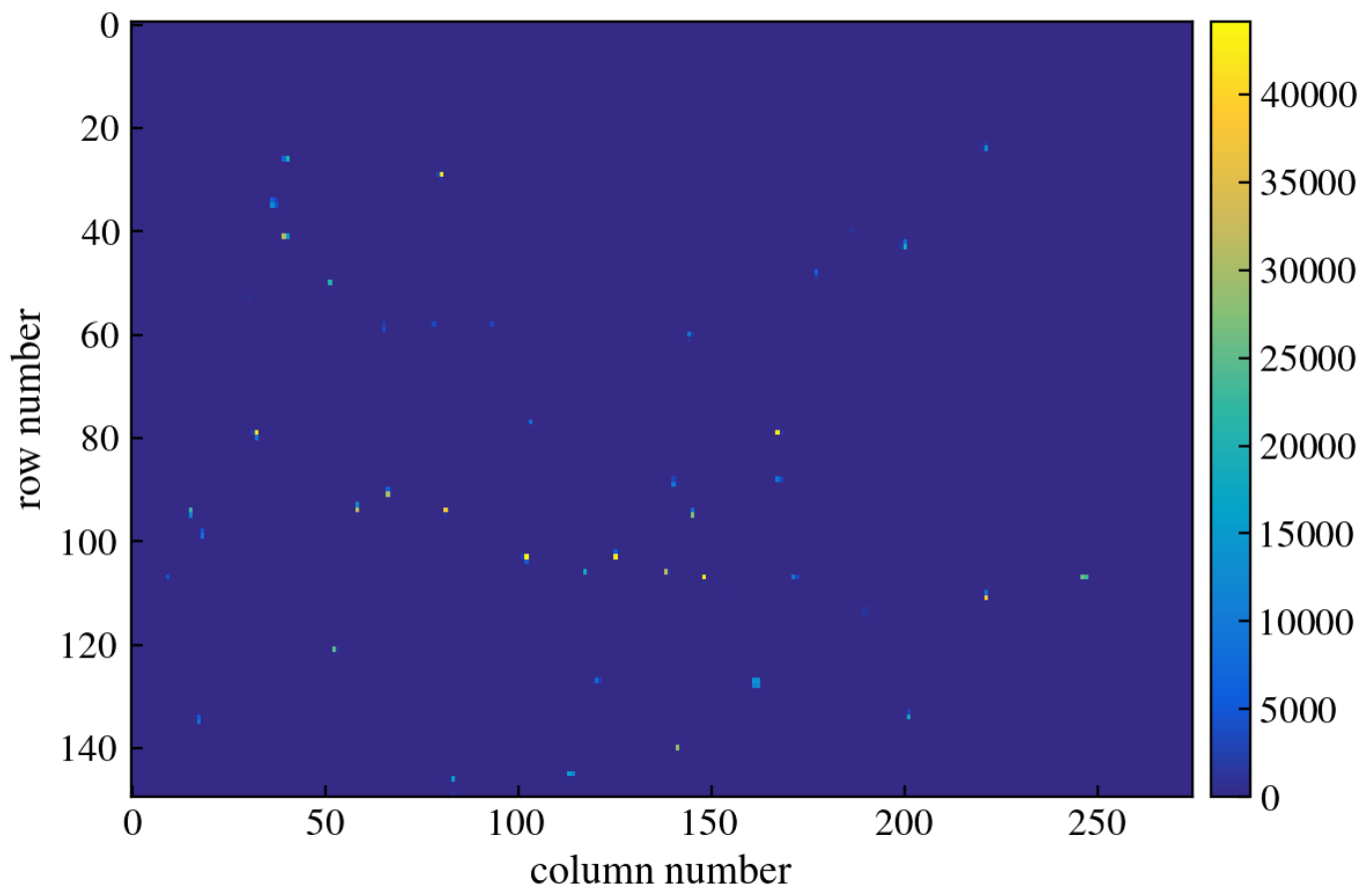


Figure 224: CCD Image

CCD Image: run 454, image 272  
[class MECCDImage]

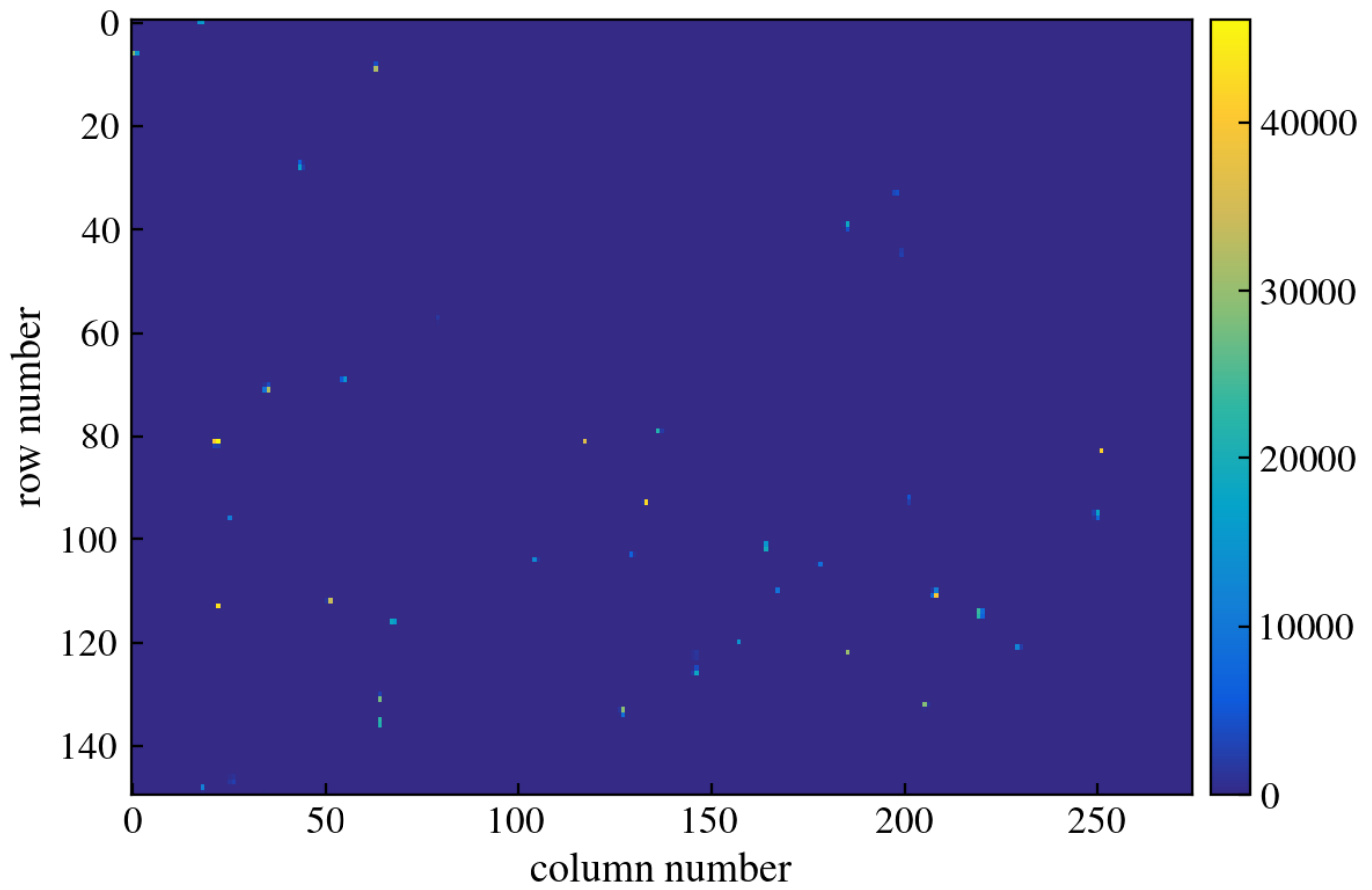


Figure 225: CCD Image

CCD Image: run 454, image 273  
[class MECCDImage]

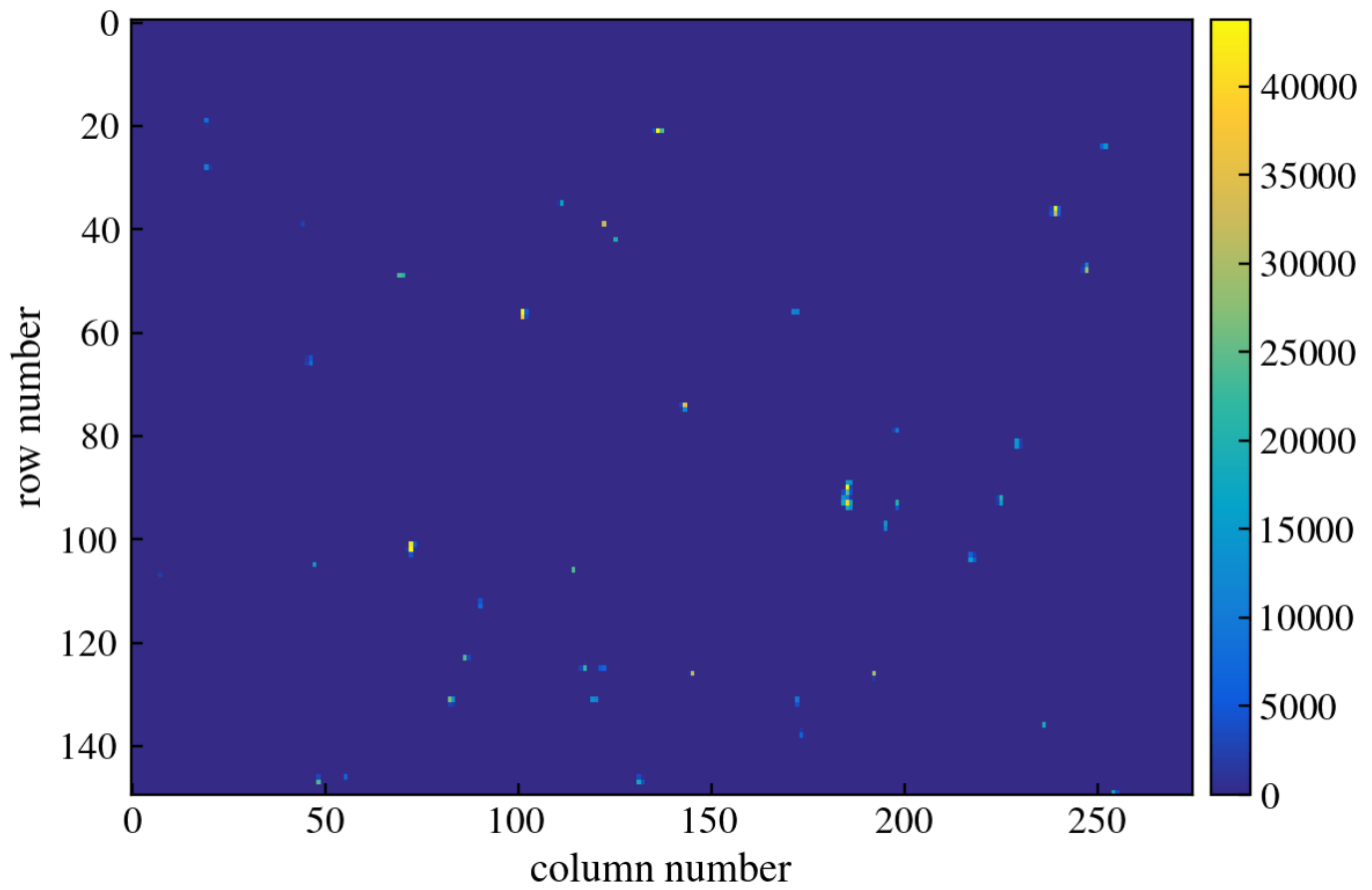


Figure 226: CCD Image

CCD Image: run 454, image 274  
[class MECCDImage]

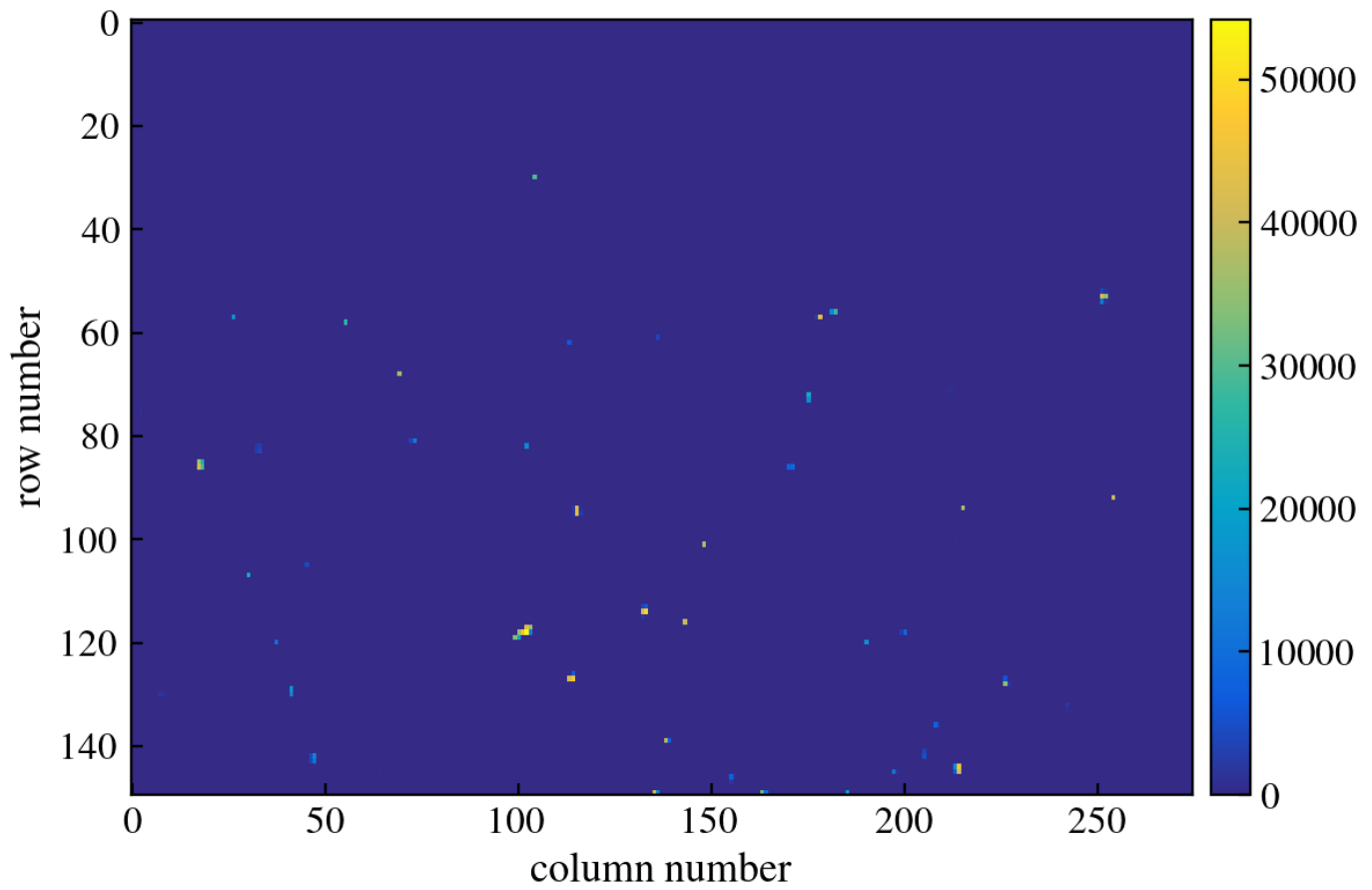


Figure 227: CCD Image

CCD Image: run 454, image 275  
[class MECCDImage]

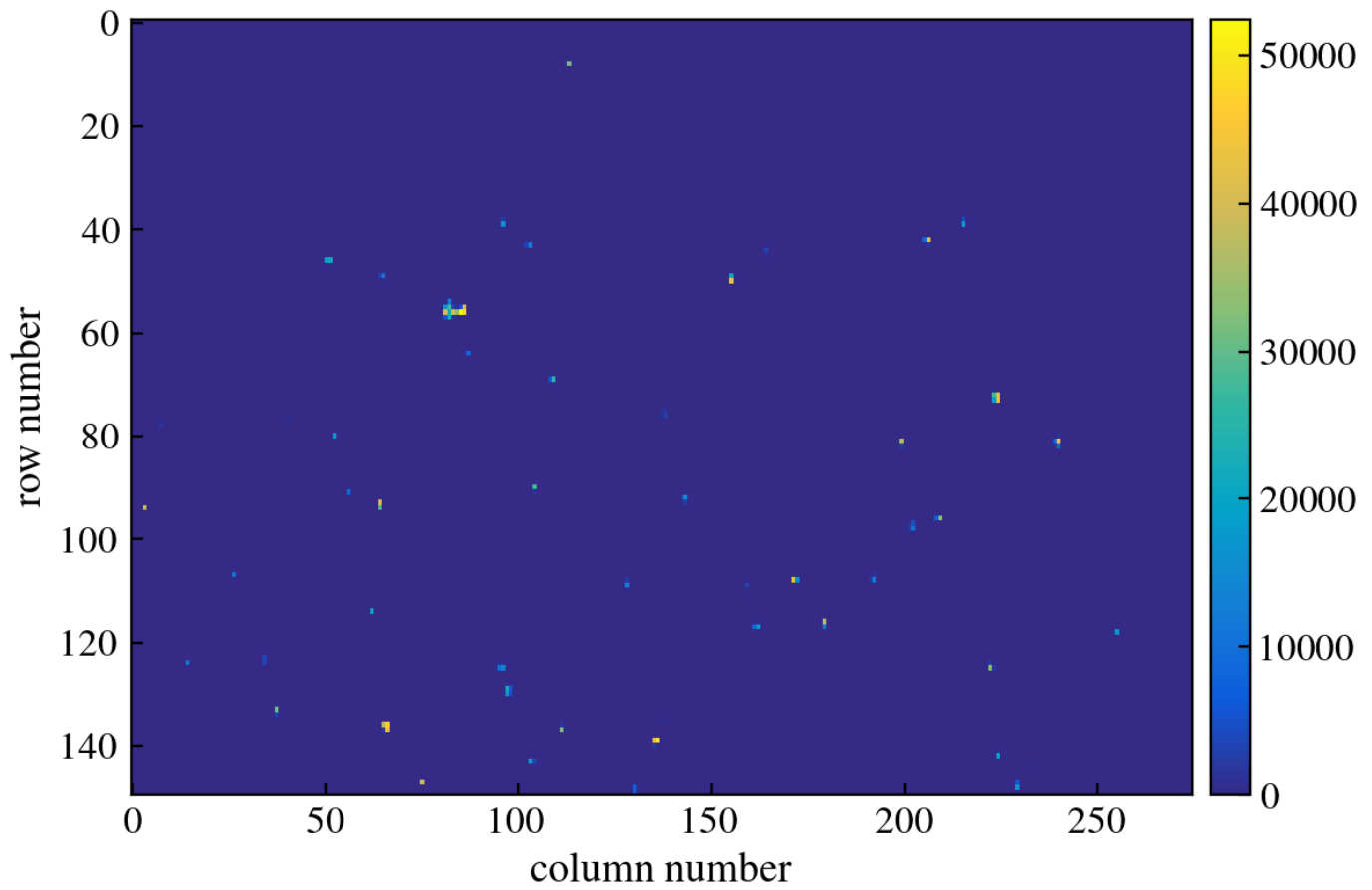


Figure 228: CCD Image

CCD Image: run 454, image 276  
[class MECCDImage]

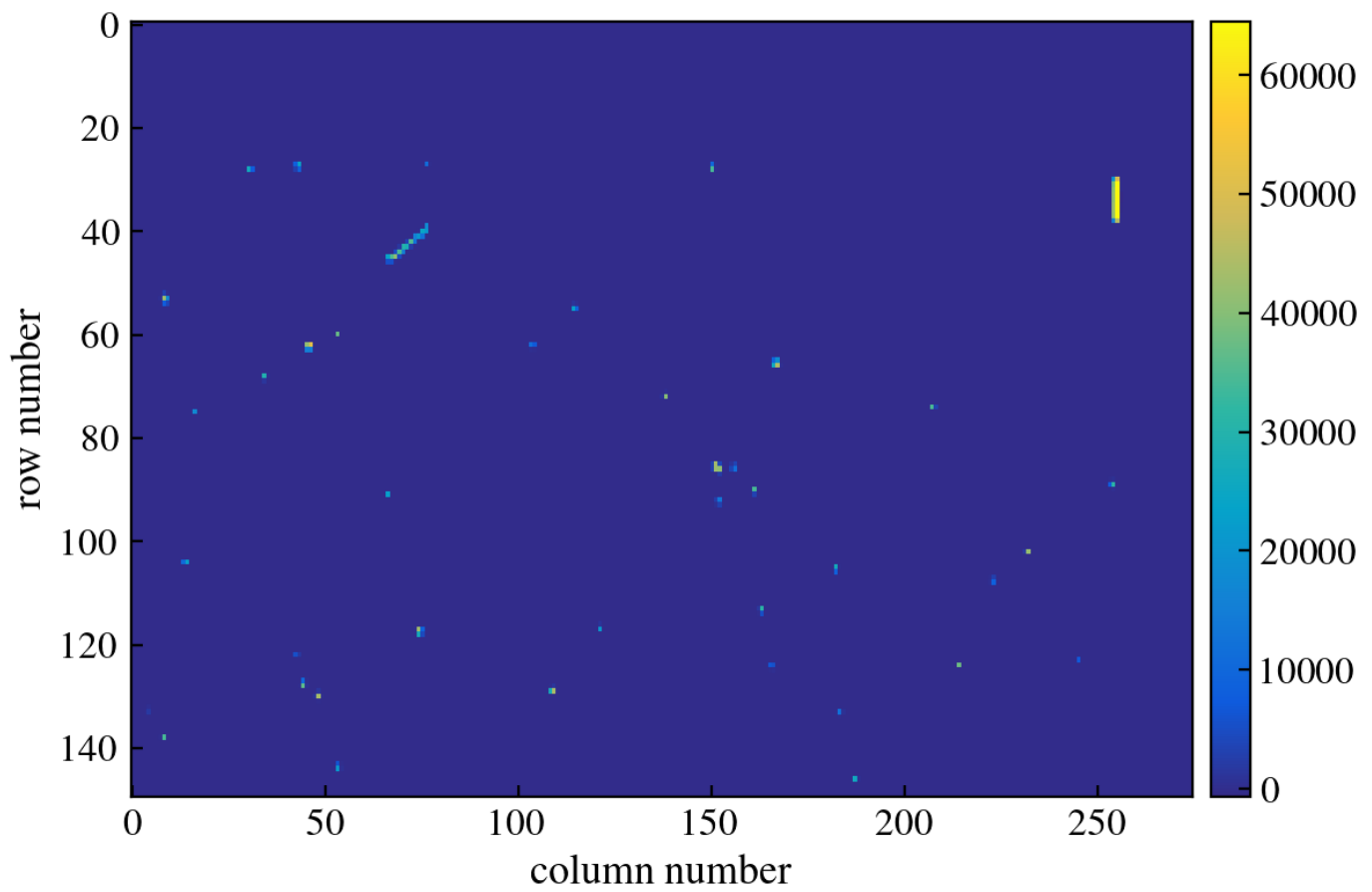


Figure 229: CCD Image

CCD Image: run 454, image 277  
[class MECCDImage]

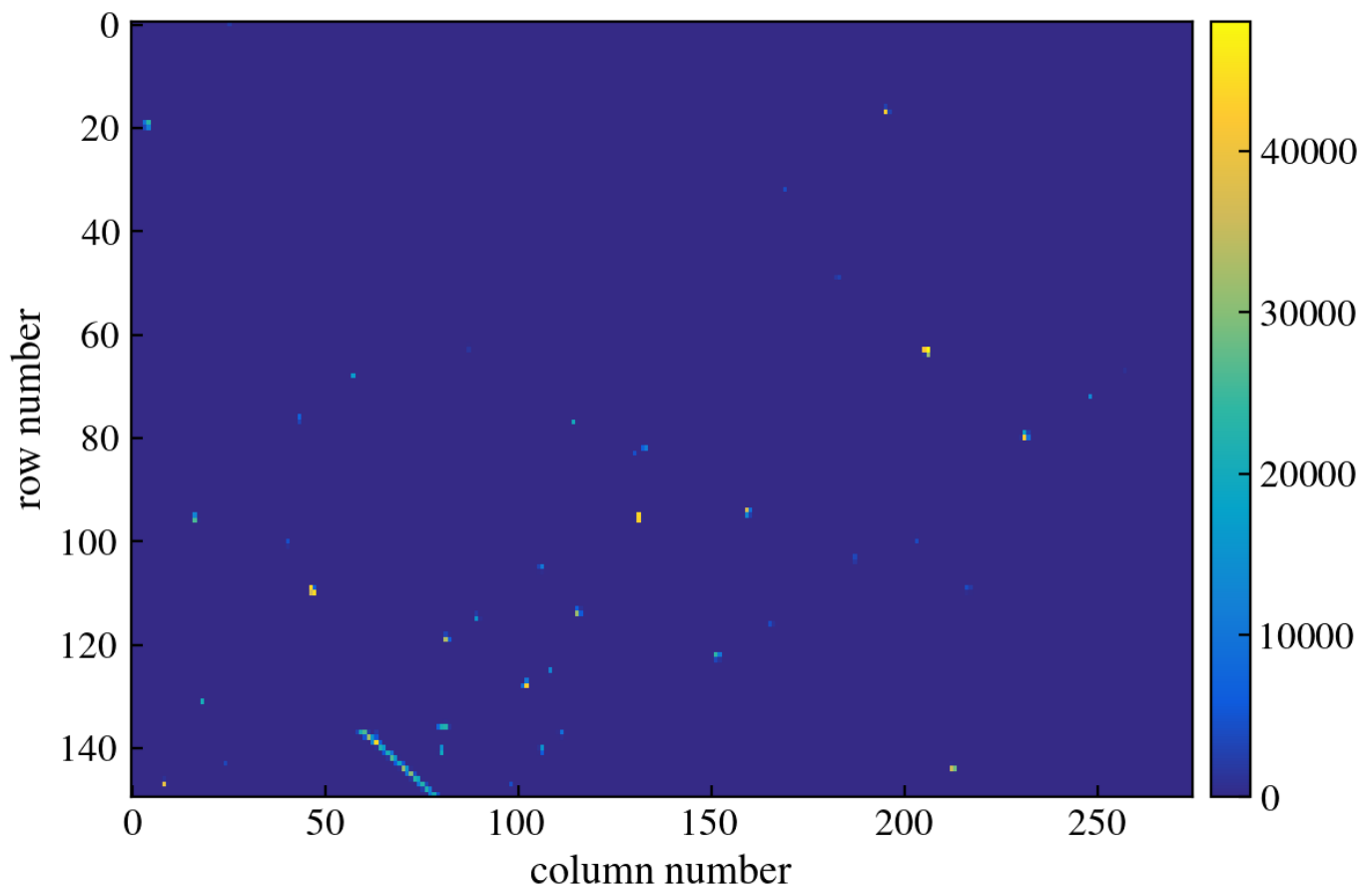


Figure 230: CCD Image

CCD Image: run 454, image 278  
[class MECCDImage]

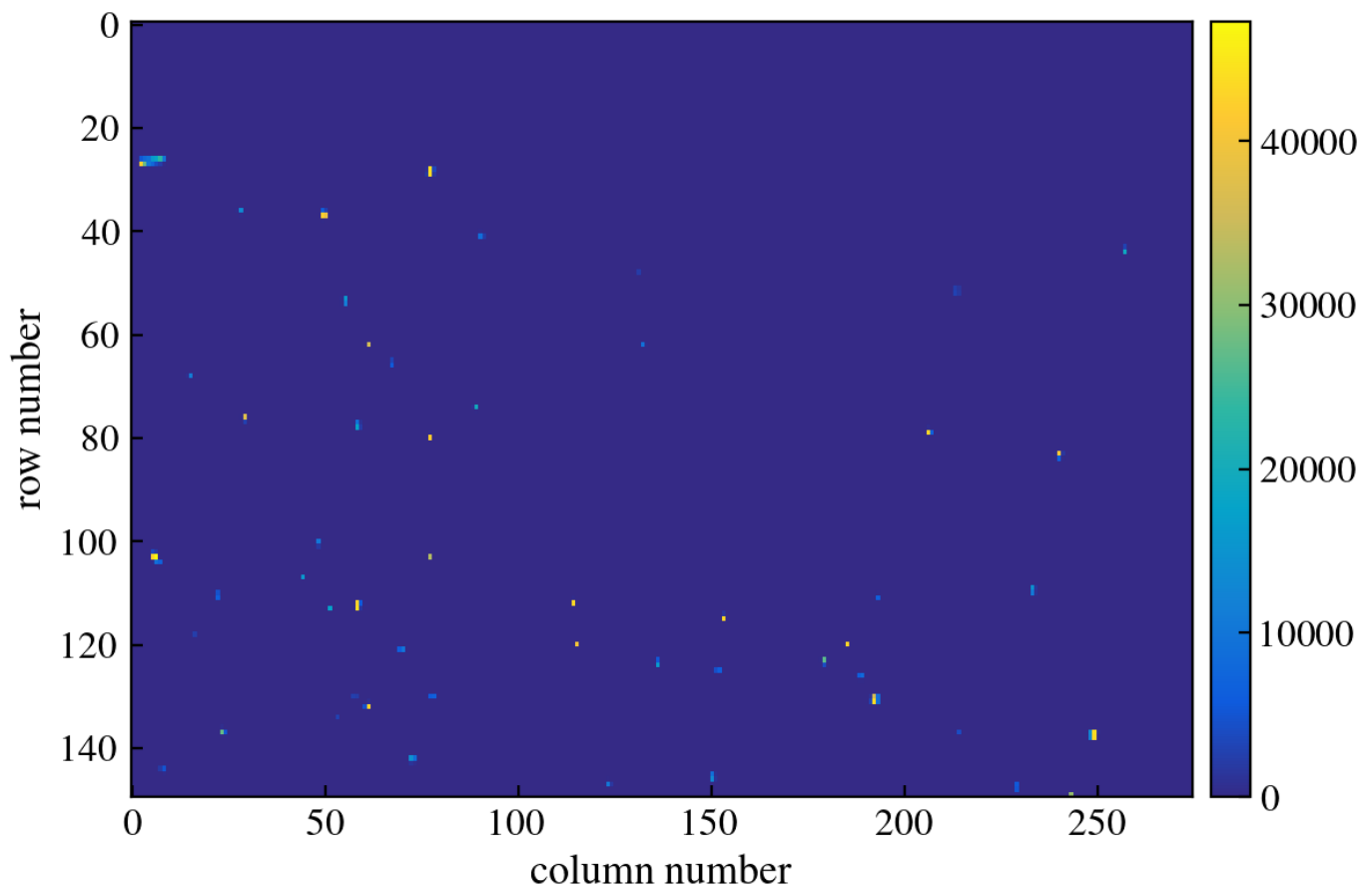


Figure 231: CCD Image



CCD Image: run 454, image 279  
[class MECCDImage]

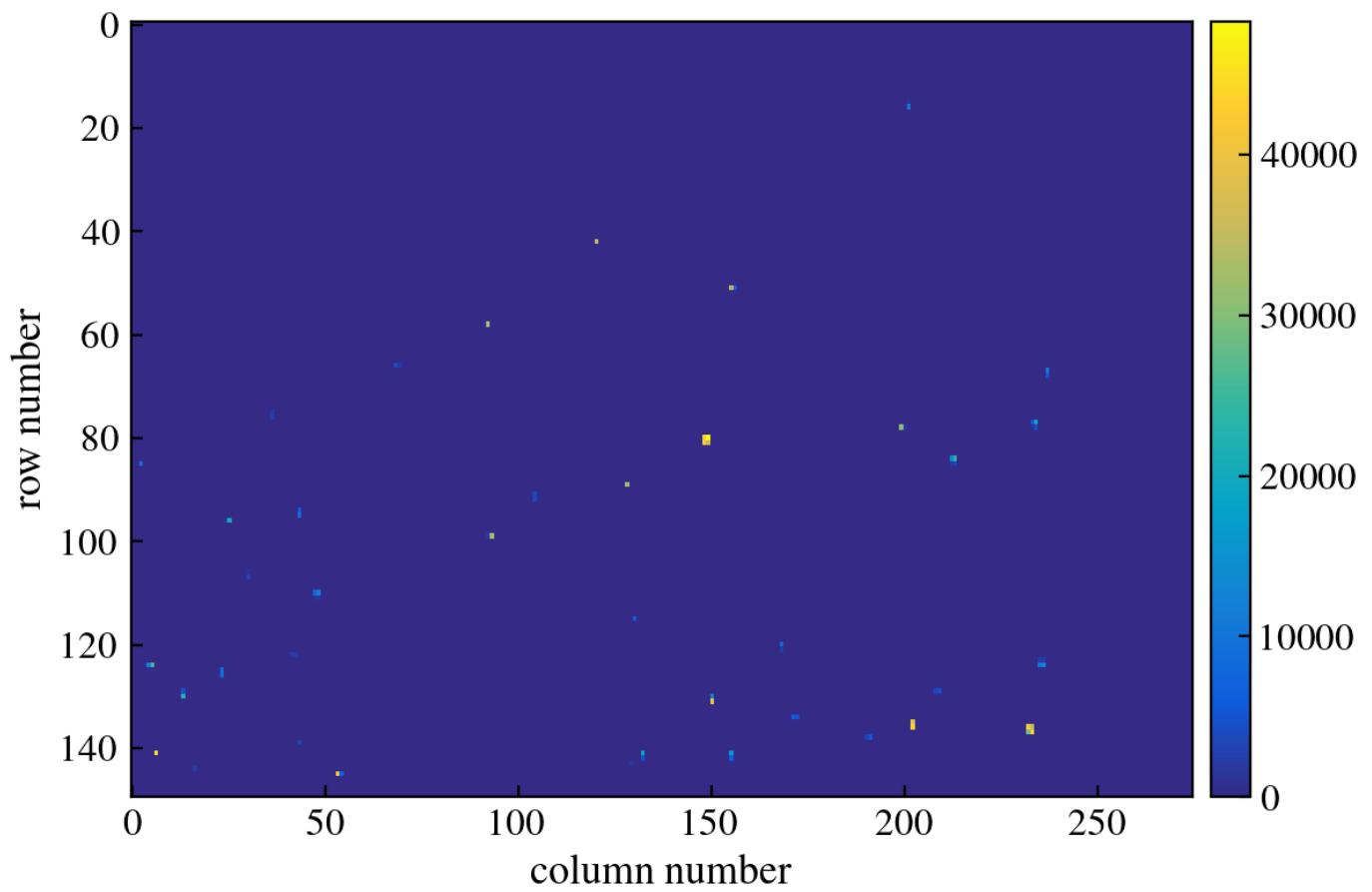


Figure 232: CCD Image

CCD Image: run 454, image 28  
[class MECCDImage]

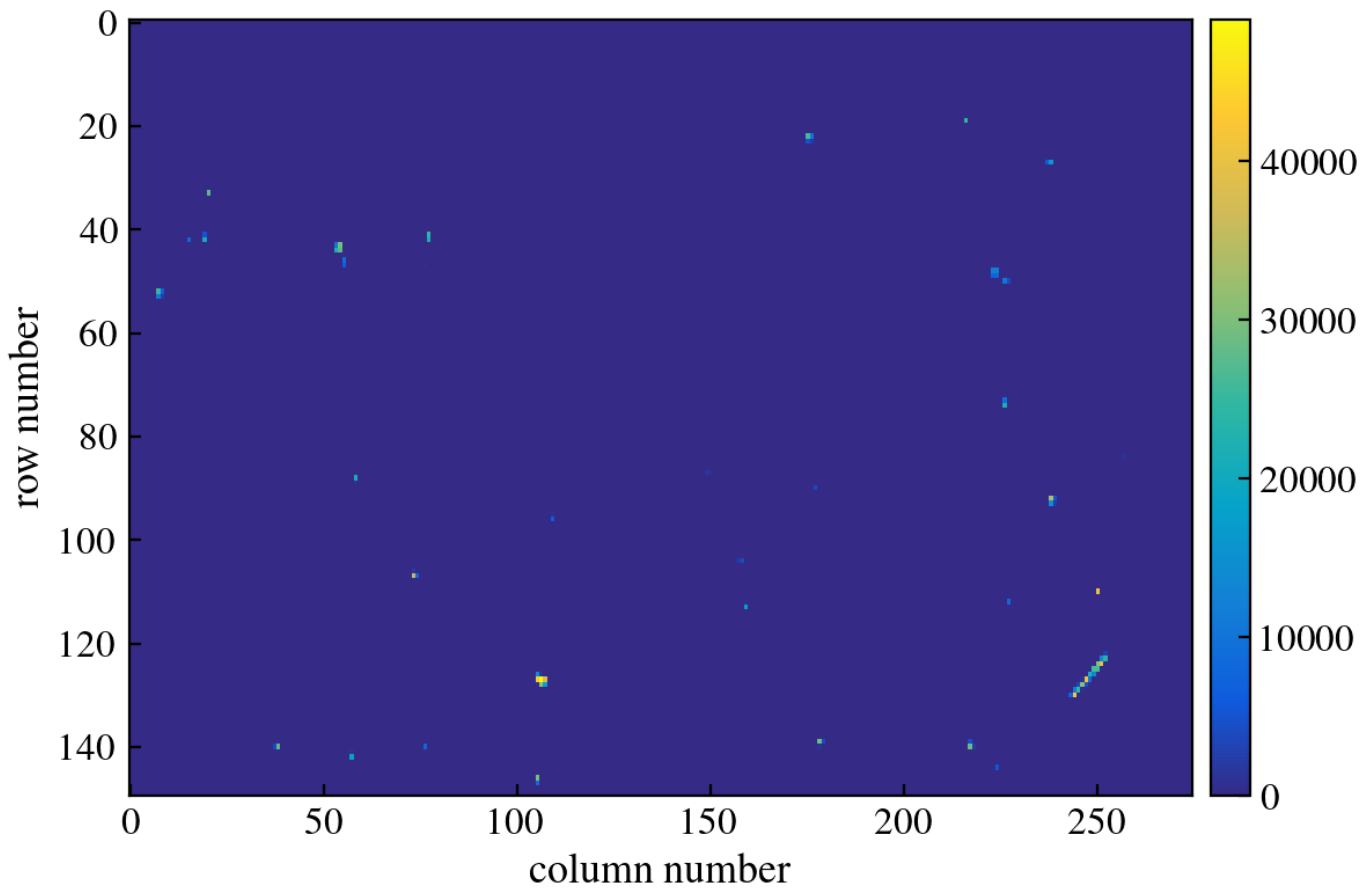


Figure 233: CCD Image

CCD Image: run 454, image 280  
[class MECCDImage]

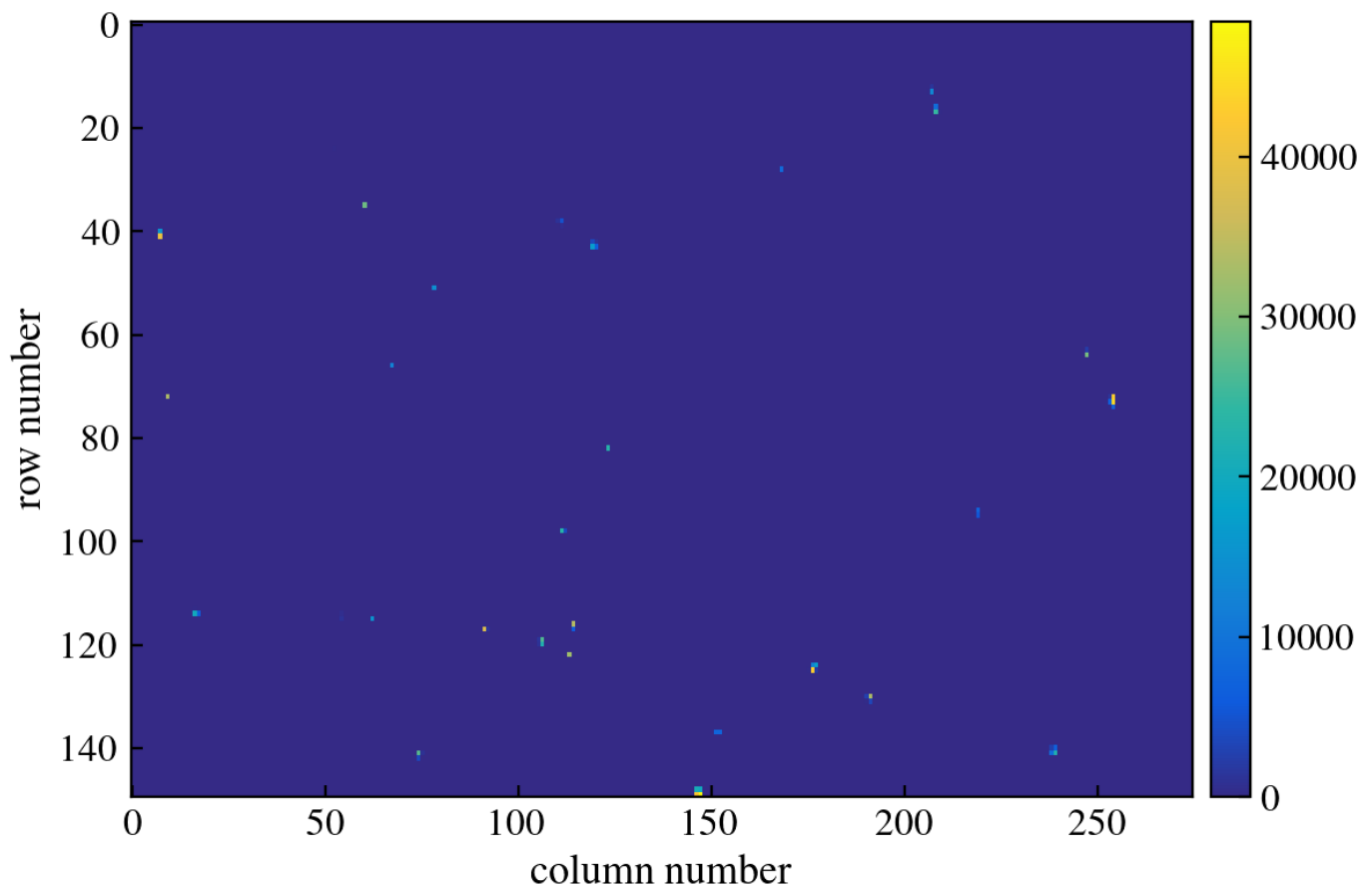


Figure 234: CCD Image

CCD Image: run 454, image 281  
[class MECCDImage]

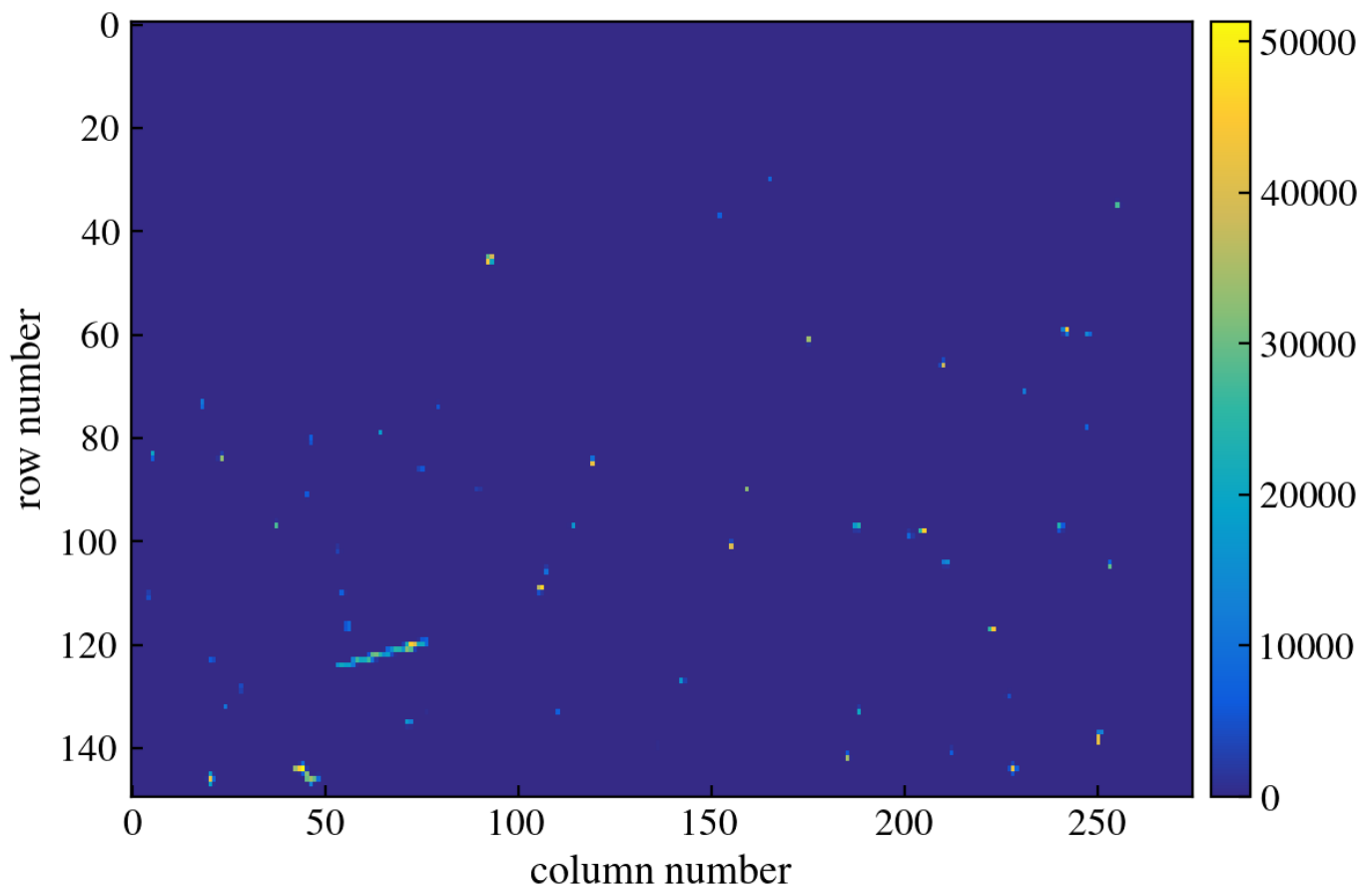


Figure 235: CCD Image

CCD Image: run 454, image 282  
[class MECCDImage]

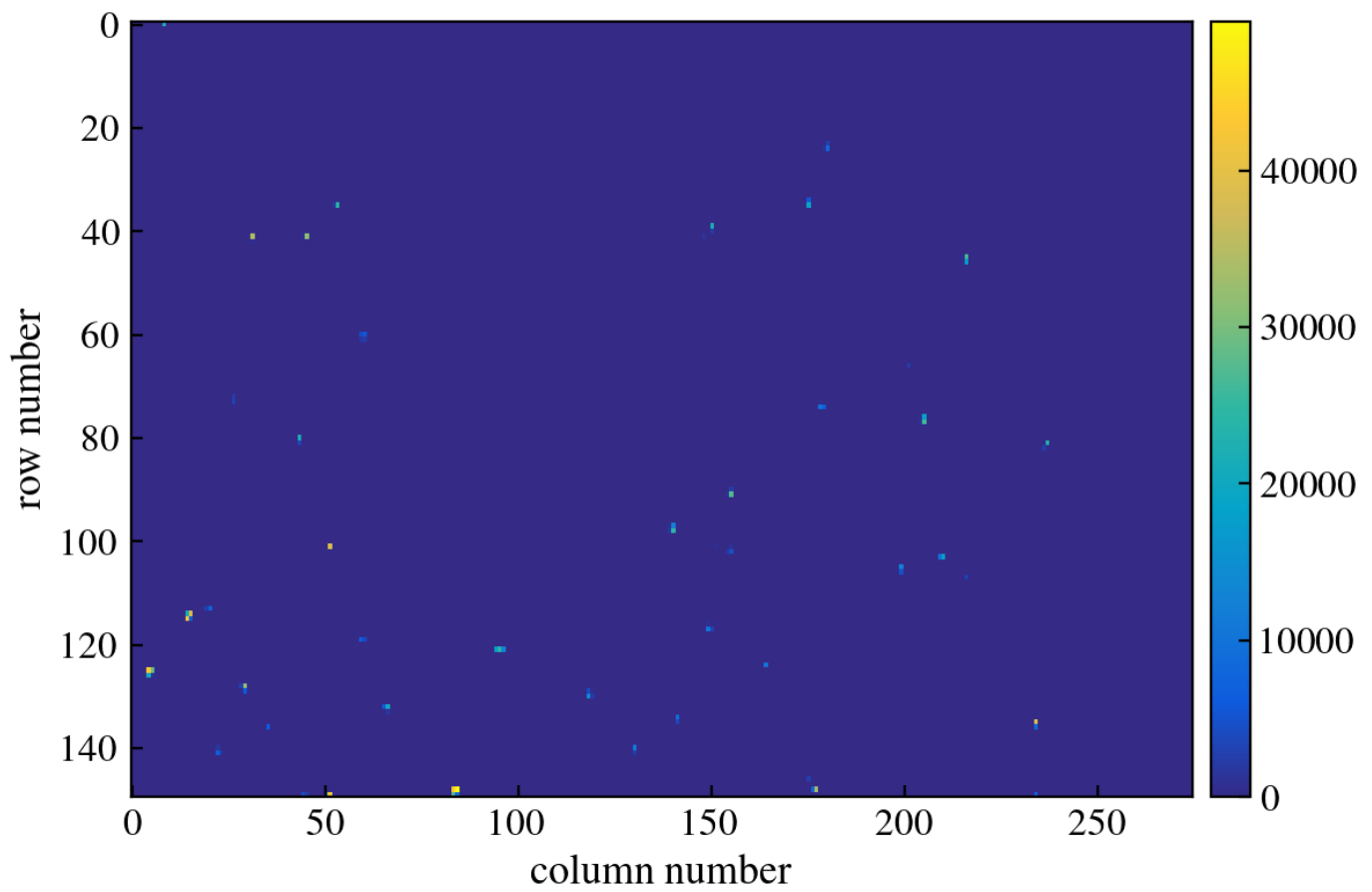


Figure 236: CCD Image

CCD Image: run 454, image 283  
[class MECCDImage]

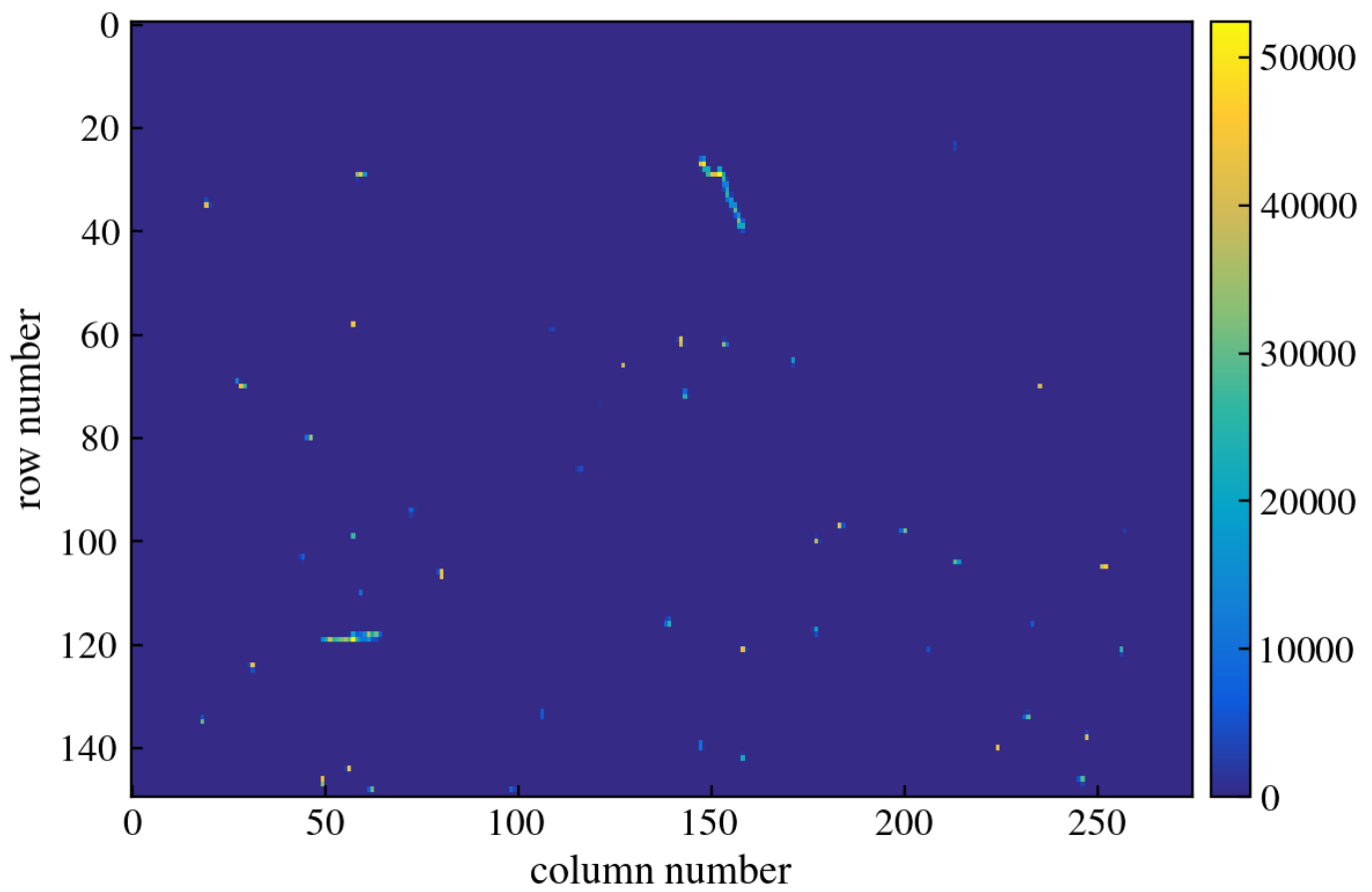


Figure 237: CCD Image

CCD Image: run 454, image 284  
[class MECCDImage]

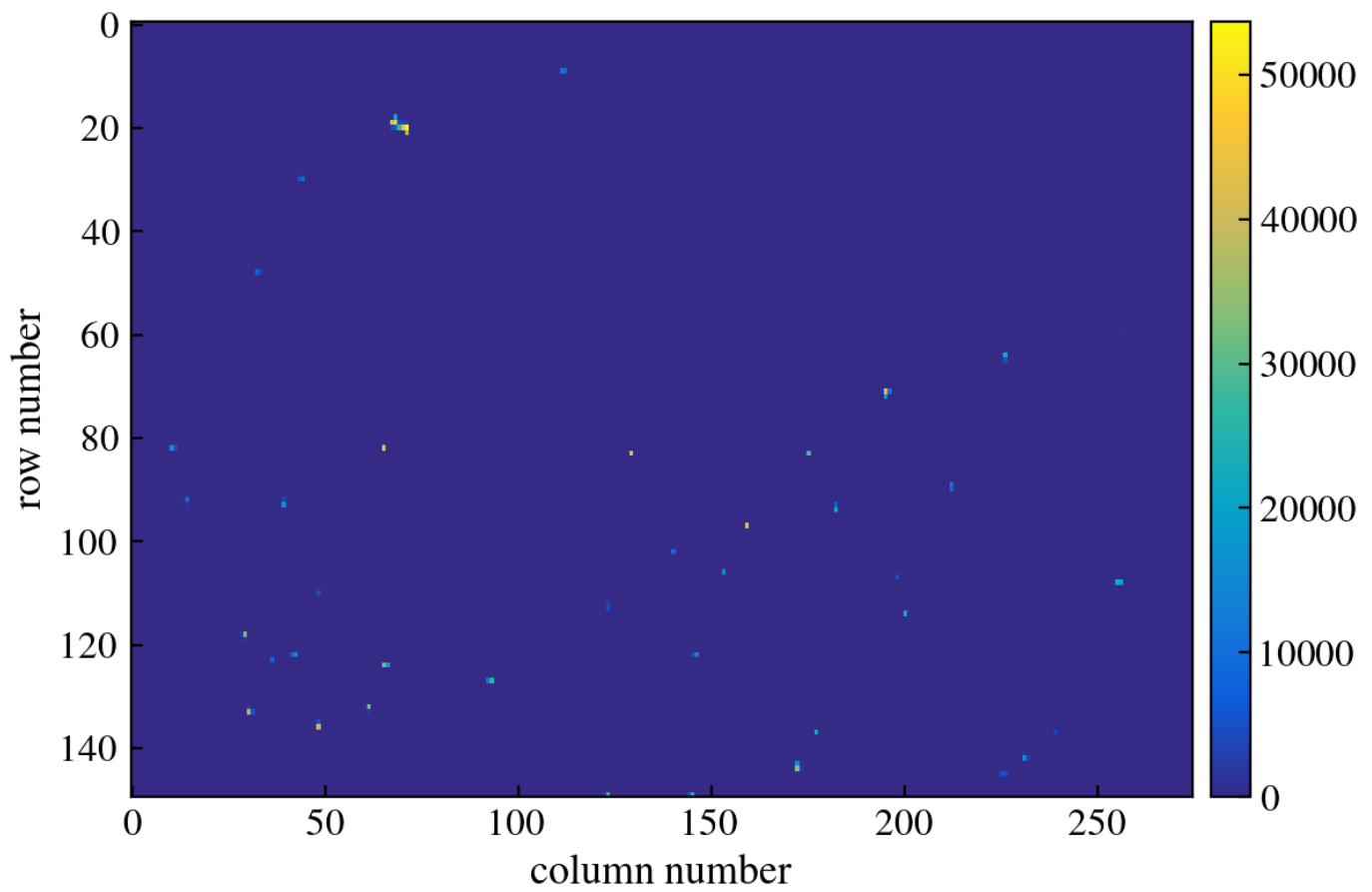


Figure 238: CCD Image

CCD Image: run 454, image 285  
[class MECCDImage]

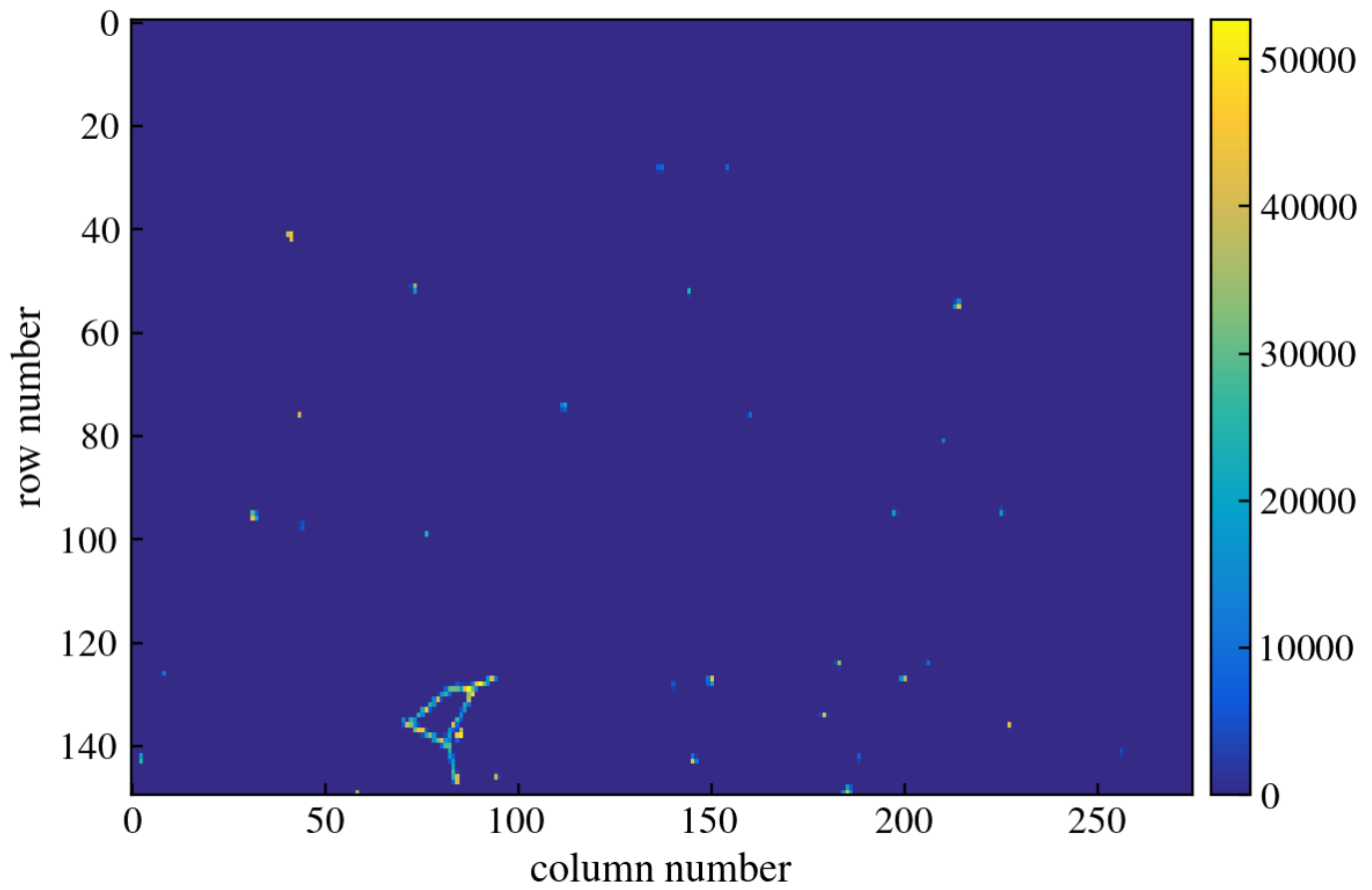


Figure 239: CCD Image



CCD Image: run 454, image 286  
[class MECCDImage]

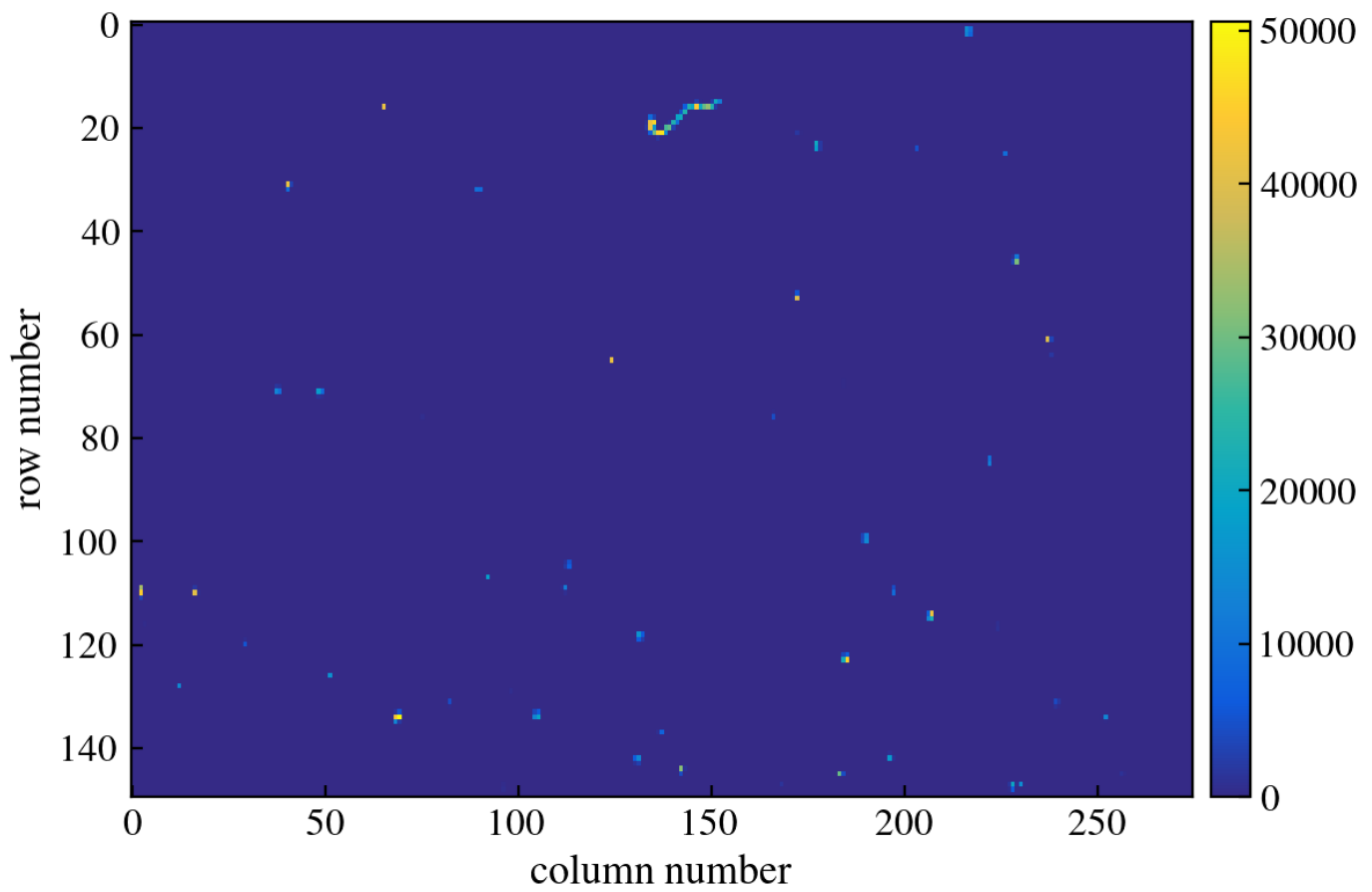


Figure 240: CCD Image

CCD Image: run 454, image 287  
[class MECCDImage]

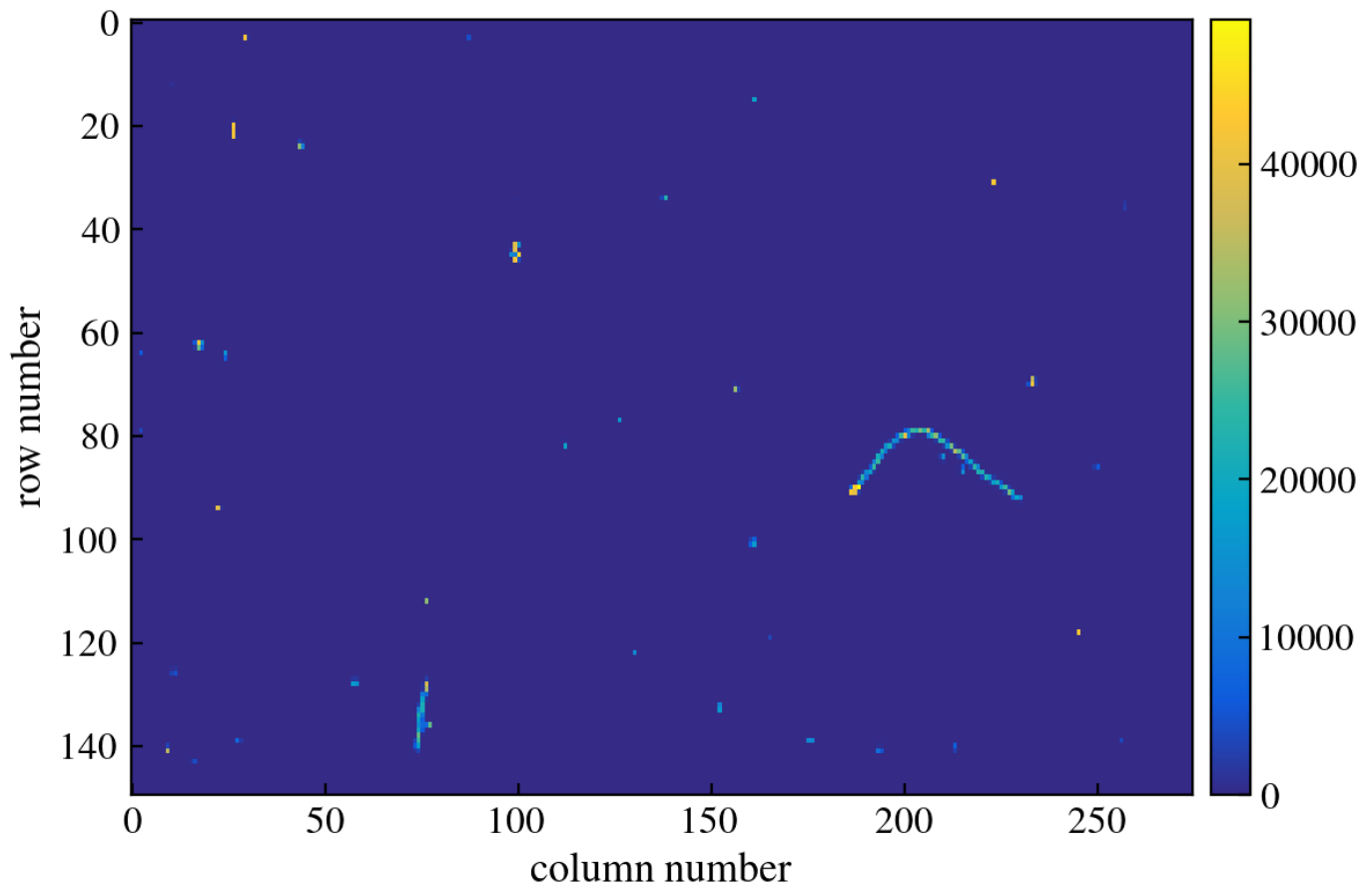


Figure 241: CCD Image

CCD Image: run 454, image 288  
[class MECCDImage]

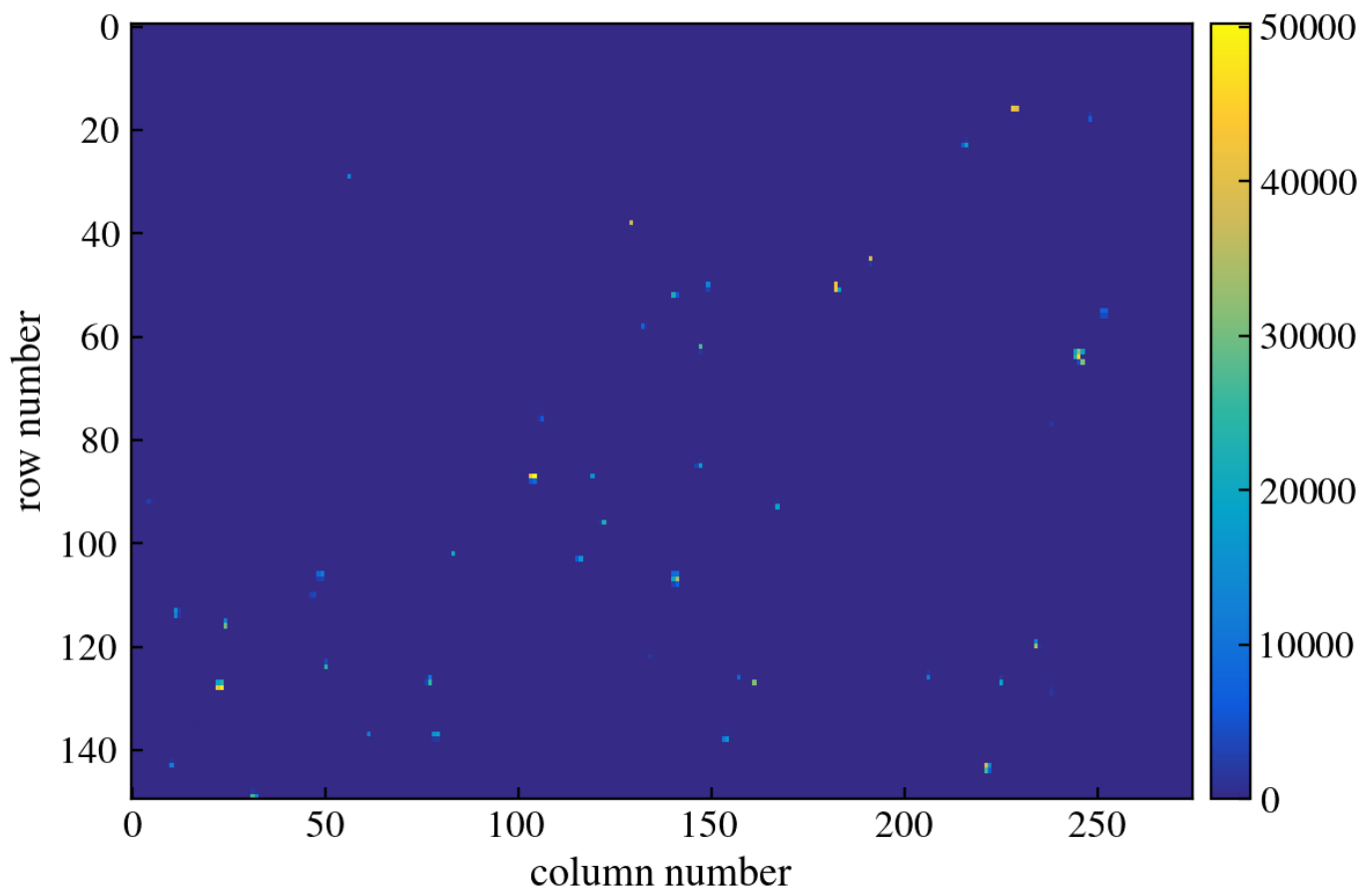


Figure 242: CCD Image

CCD Image: run 454, image 289  
[class MECCDImage]

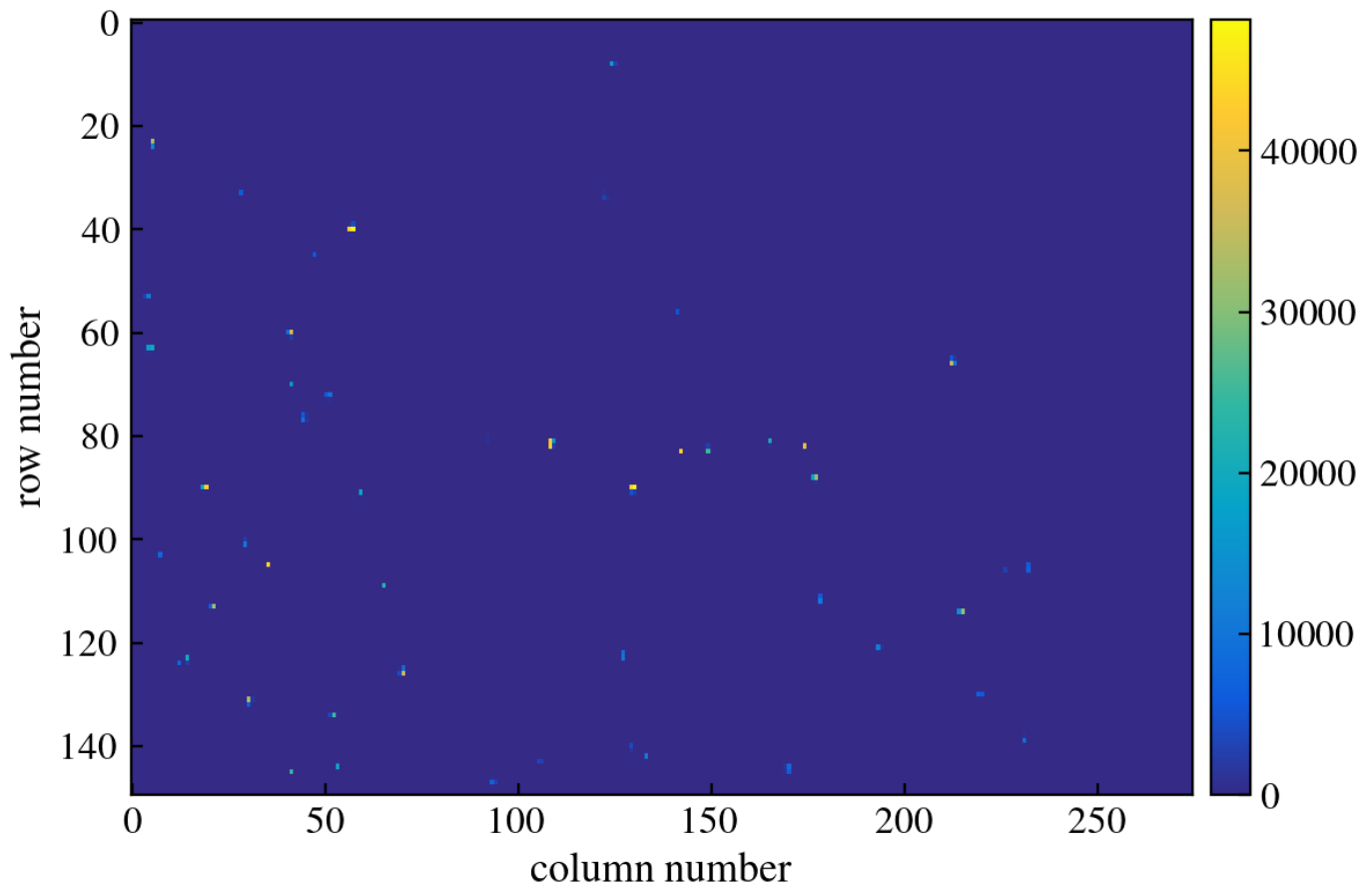


Figure 243: CCD Image

CCD Image: run 454, image 29  
[class MECCDImage]

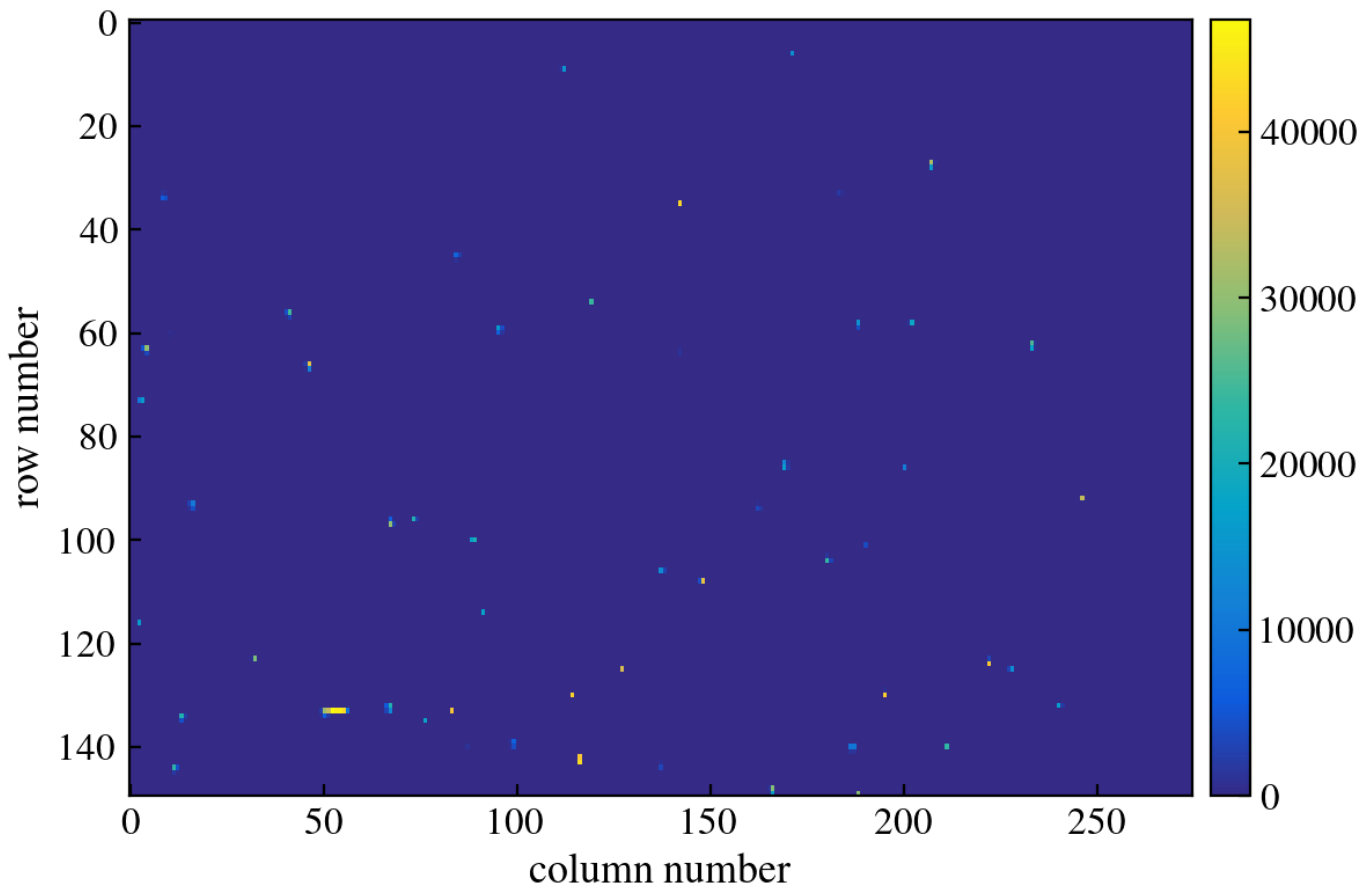


Figure 244: CCD Image

CCD Image: run 454, image 290  
[class MECCDImage]

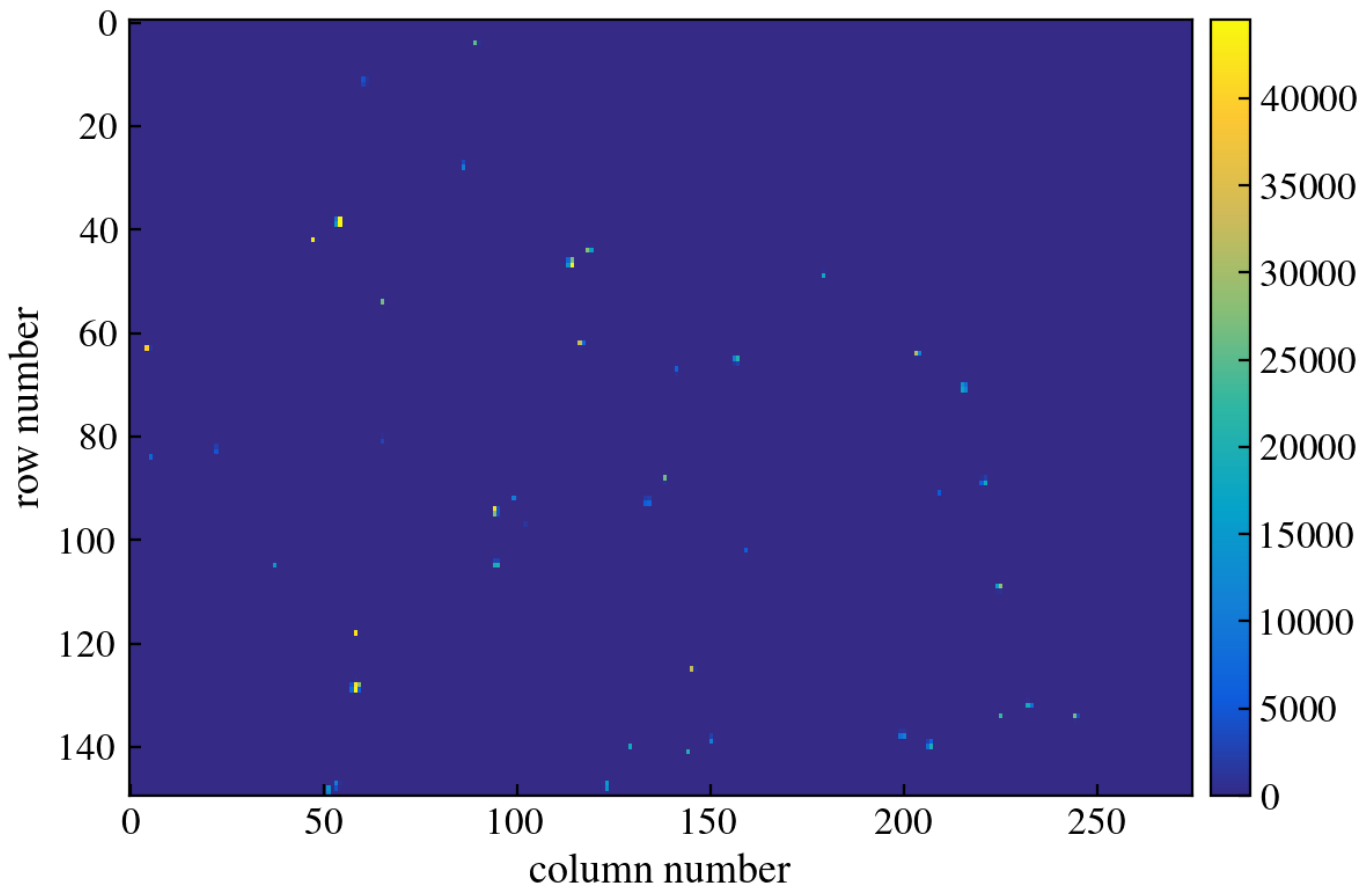


Figure 245: CCD Image

CCD Image: run 454, image 291  
[class MECCDImage]

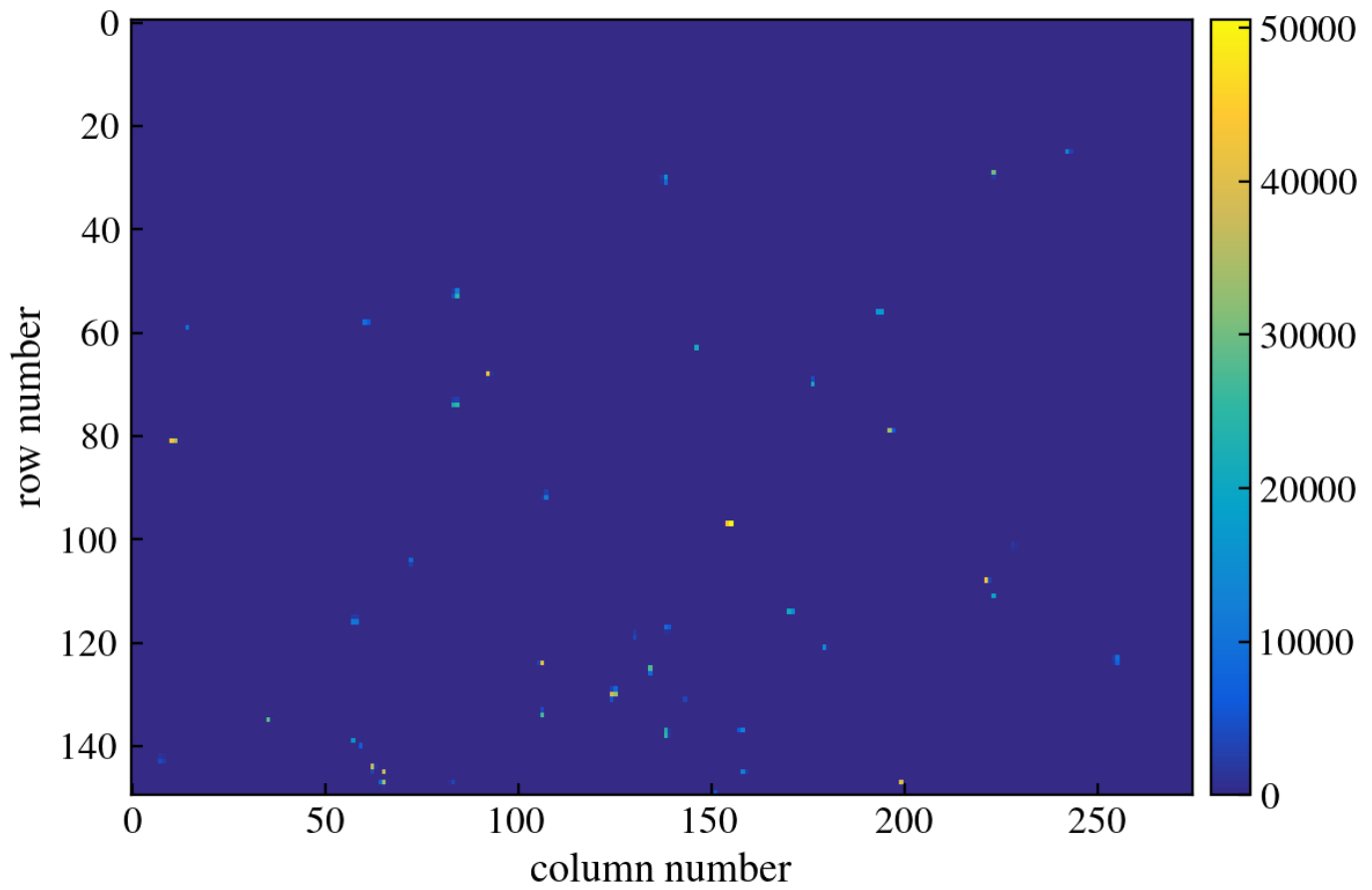


Figure 246: CCD Image

CCD Image: run 454, image 292  
[class MECCDImage]

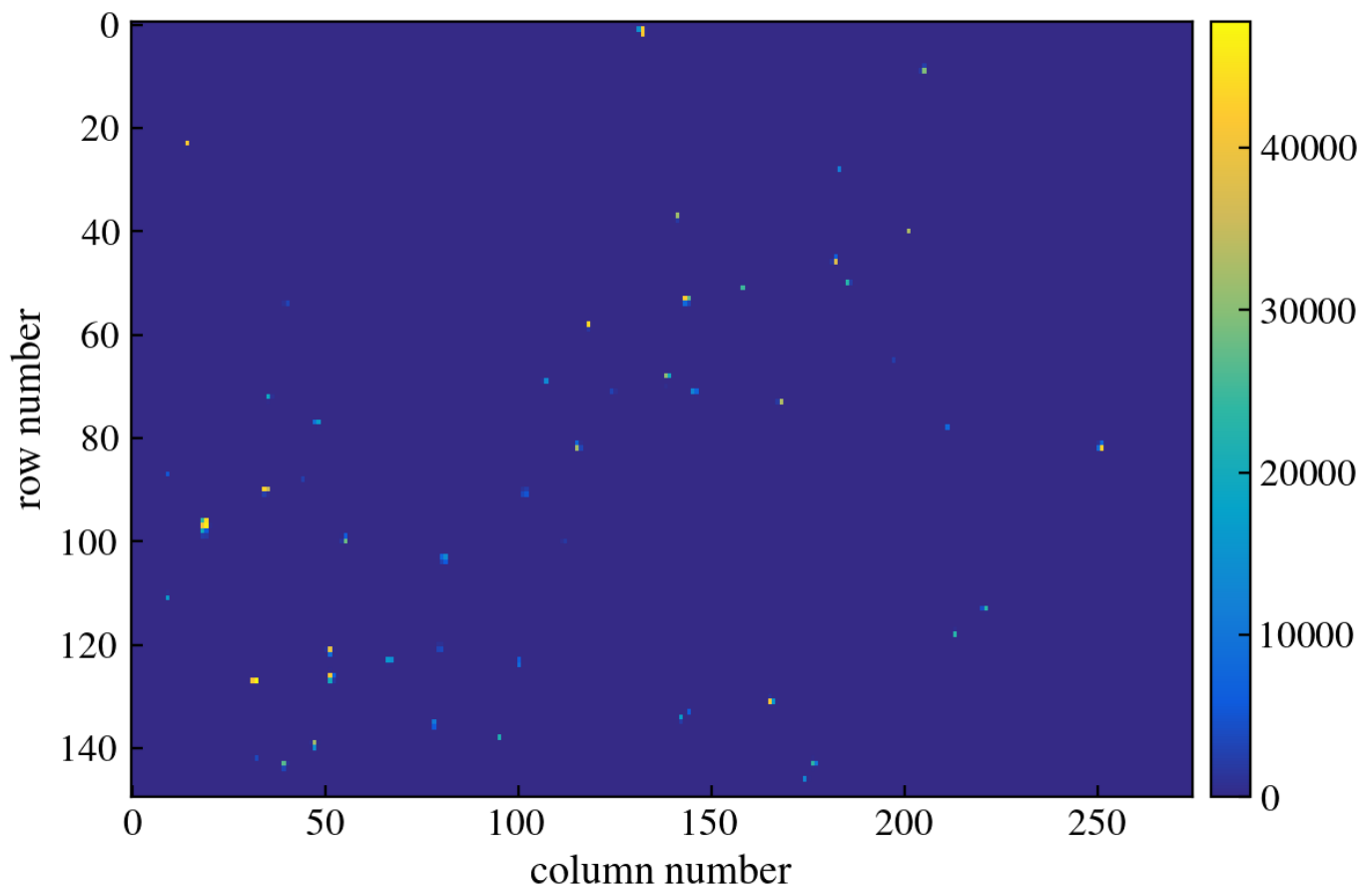


Figure 247: CCD Image



CCD Image: run 454, image 293  
[class MECCDImage]

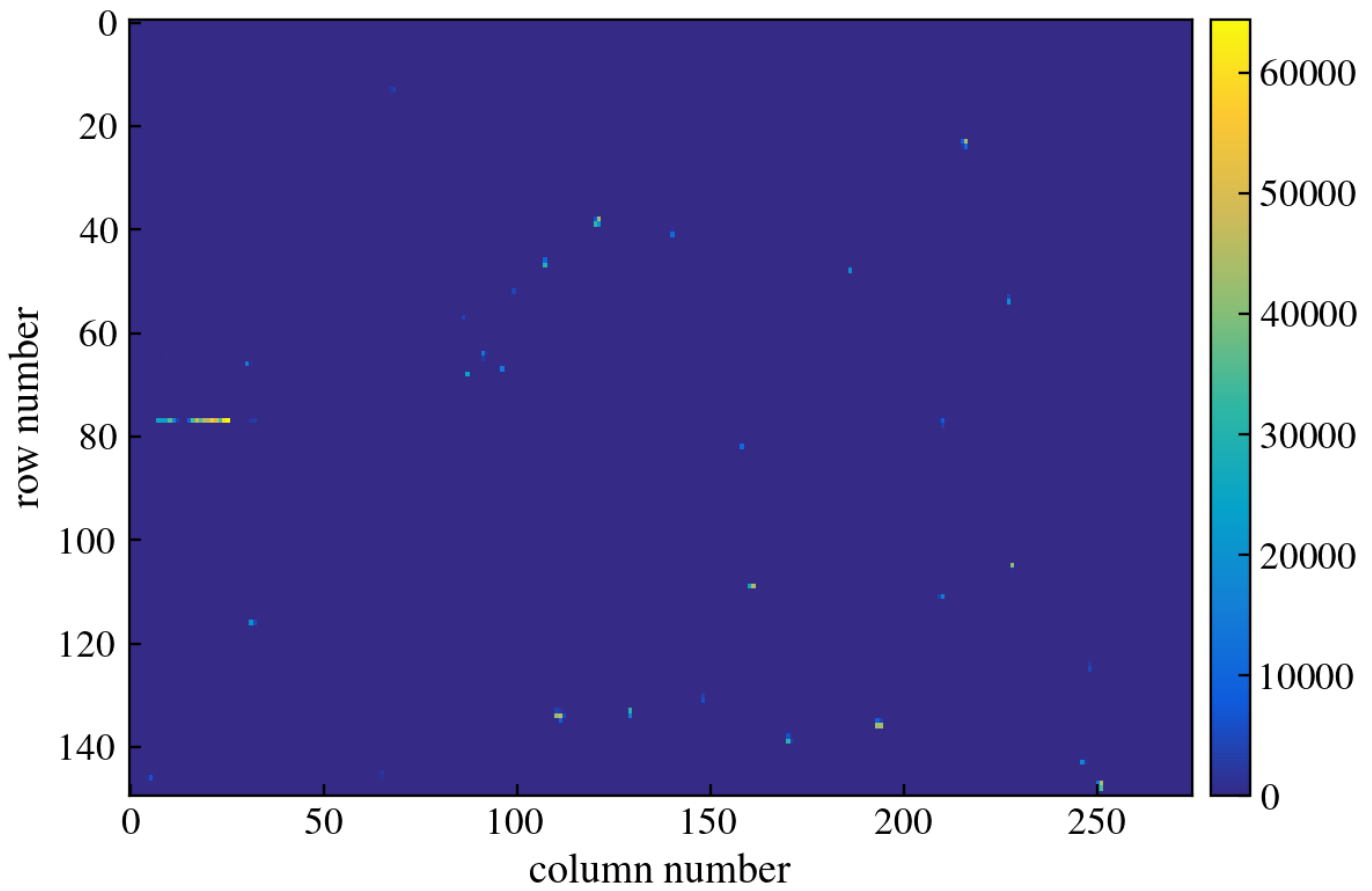


Figure 248: CCD Image

CCD Image: run 454, image 294  
[class MECCDImage]

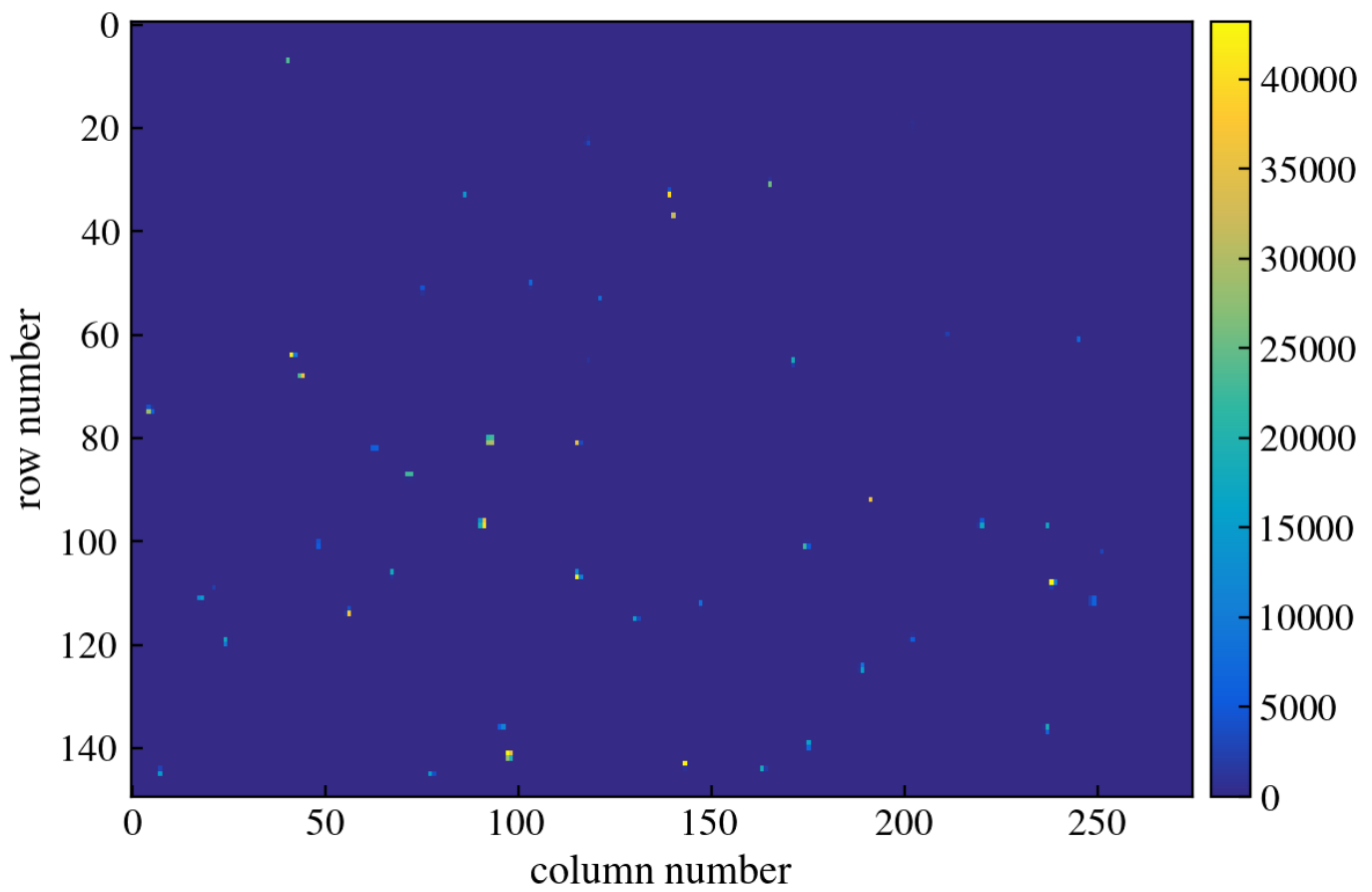


Figure 249: CCD Image

CCD Image: run 454, image 295  
[class MECCDImage]

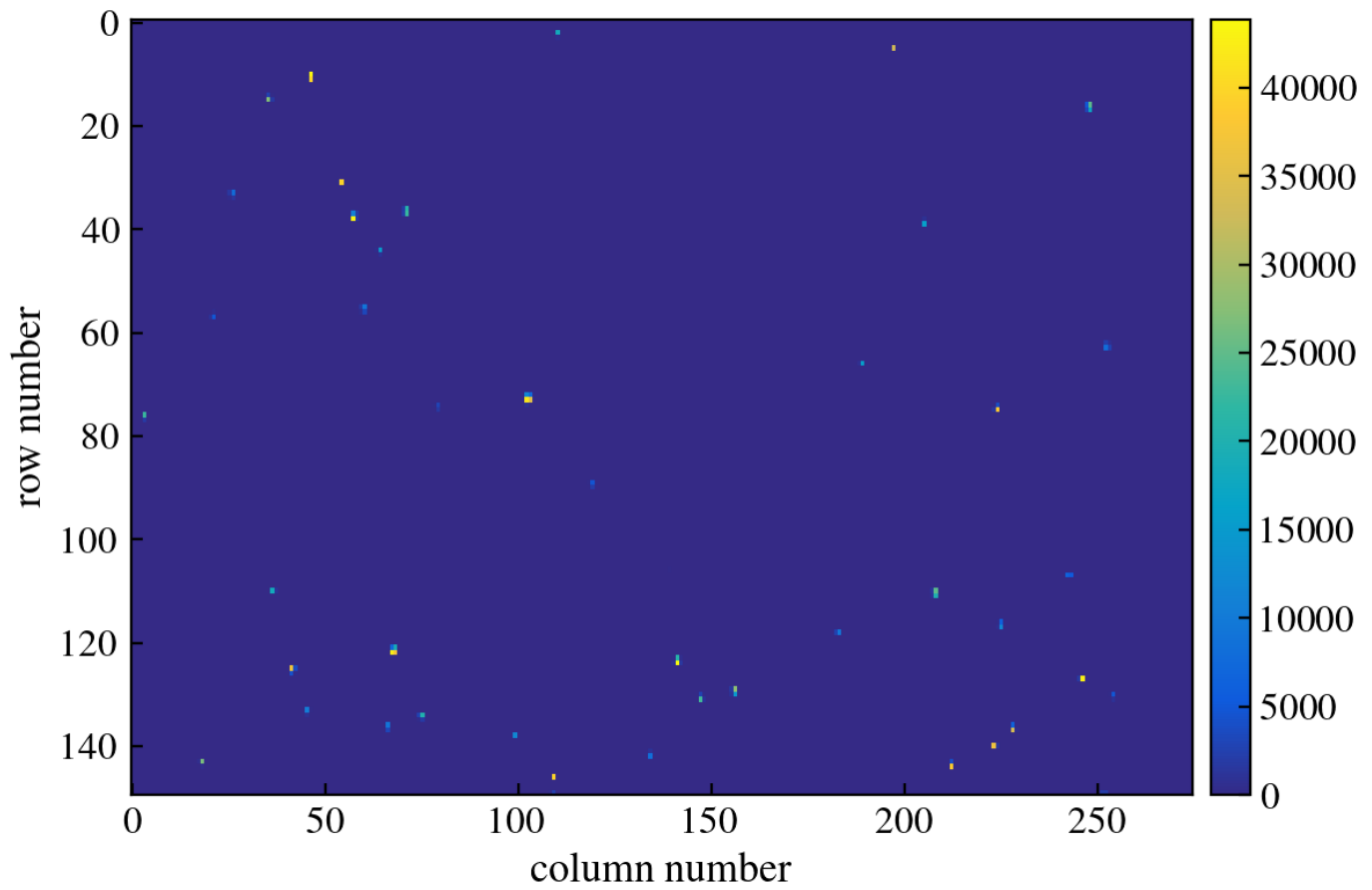


Figure 250: CCD Image

CCD Image: run 454, image 296  
[class MECCDImage]

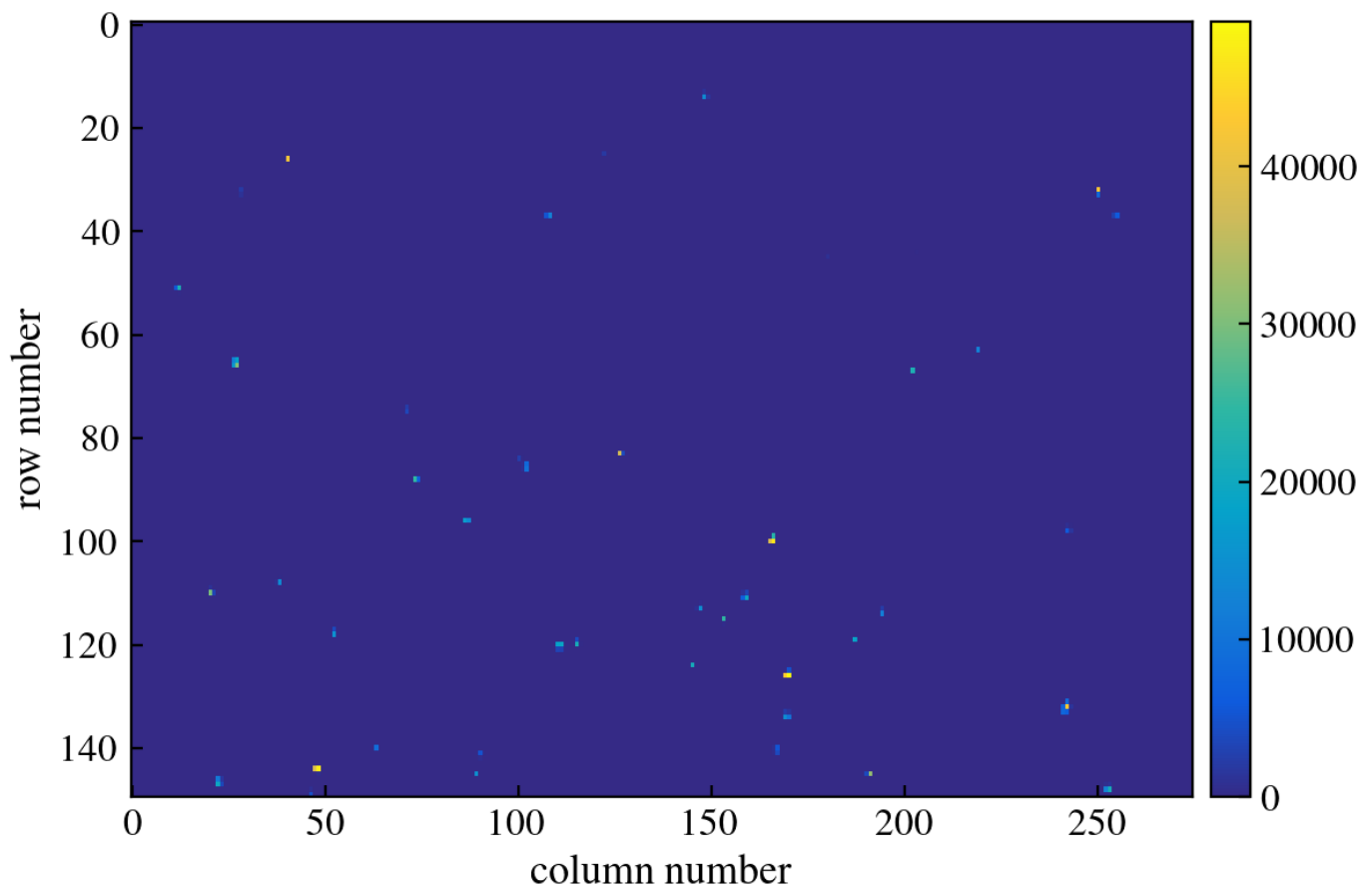


Figure 251: CCD Image

CCD Image: run 454, image 297  
[class MECCDImage]

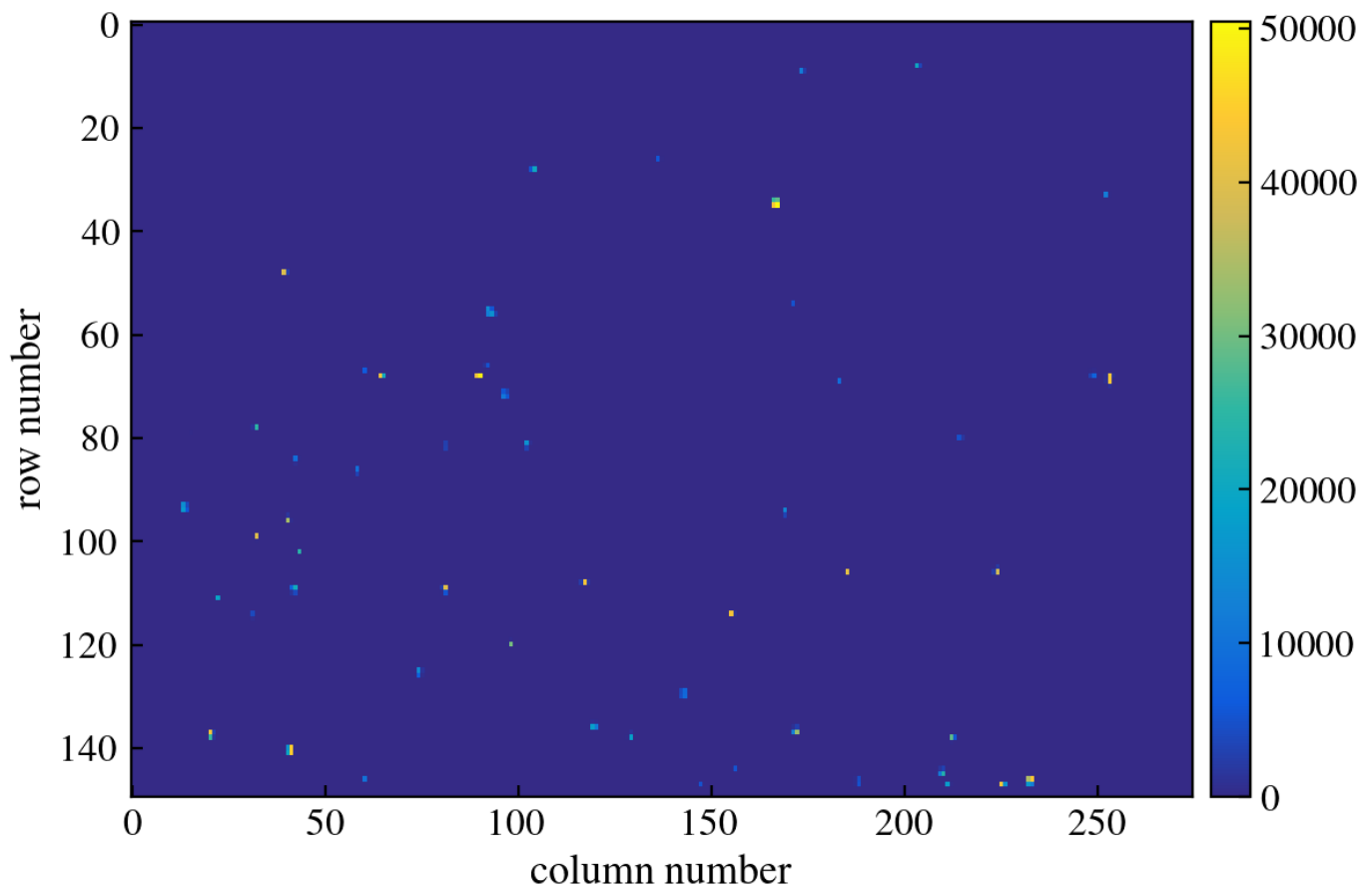


Figure 252: CCD Image

CCD Image: run 454, image 298  
[class MECCDImage]

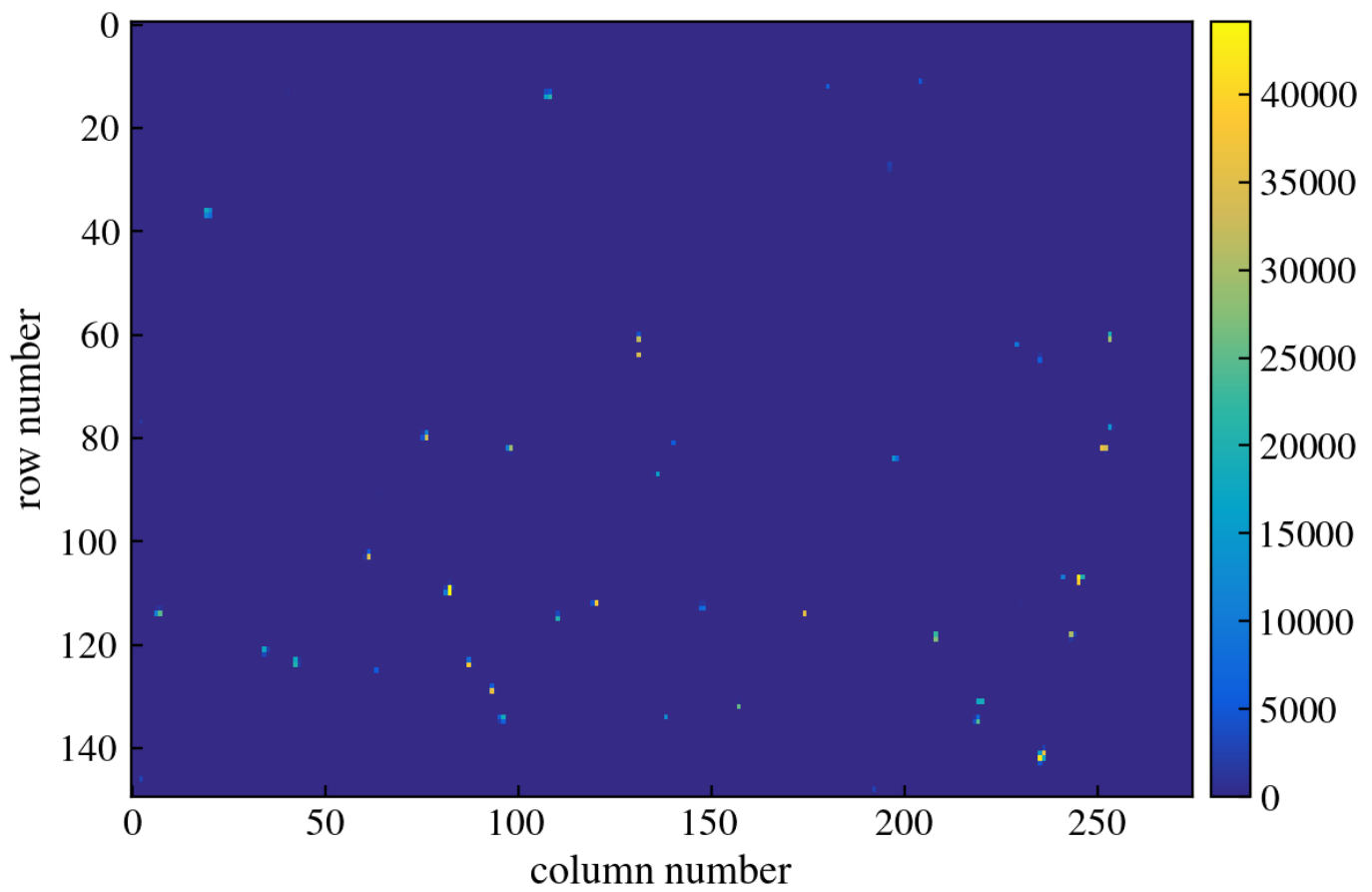


Figure 253: CCD Image

CCD Image: run 454, image 299  
[class MECCDImage]

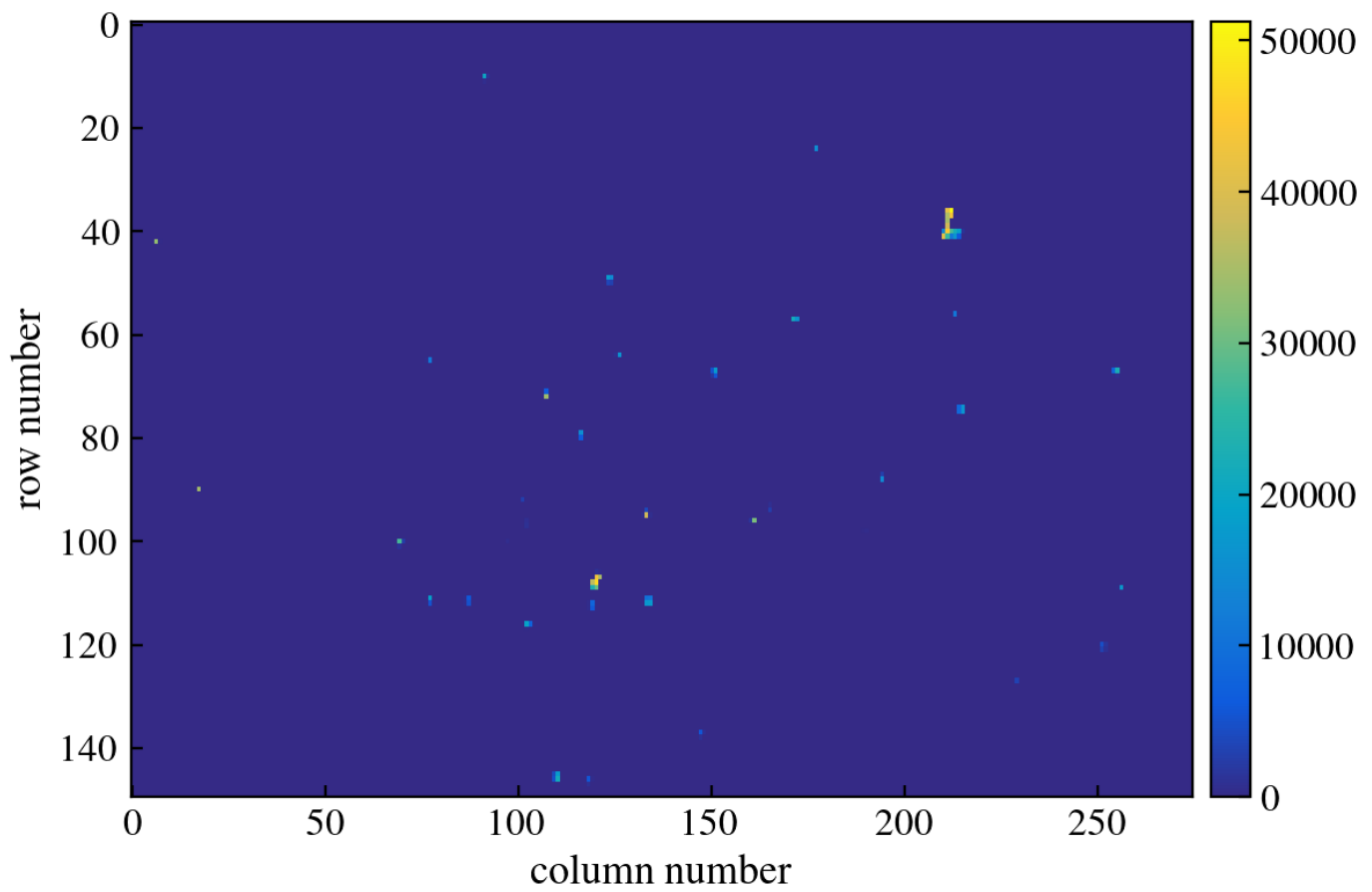


Figure 254: CCD Image

CCD Image: run 454, image 3  
[class MECCDImage]

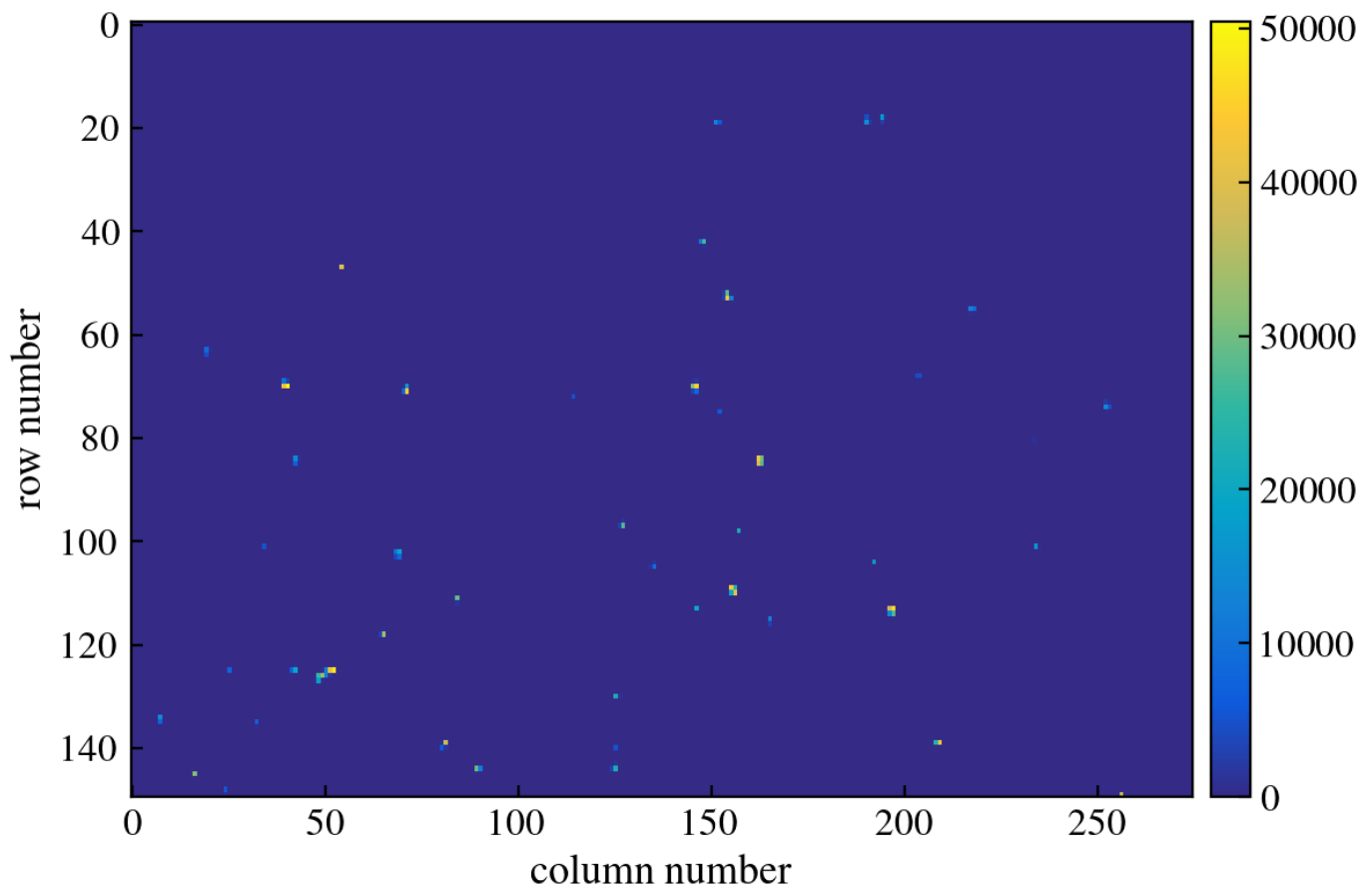


Figure 255: CCD Image



CCD Image: run 454, image 30  
[class MECCDImage]

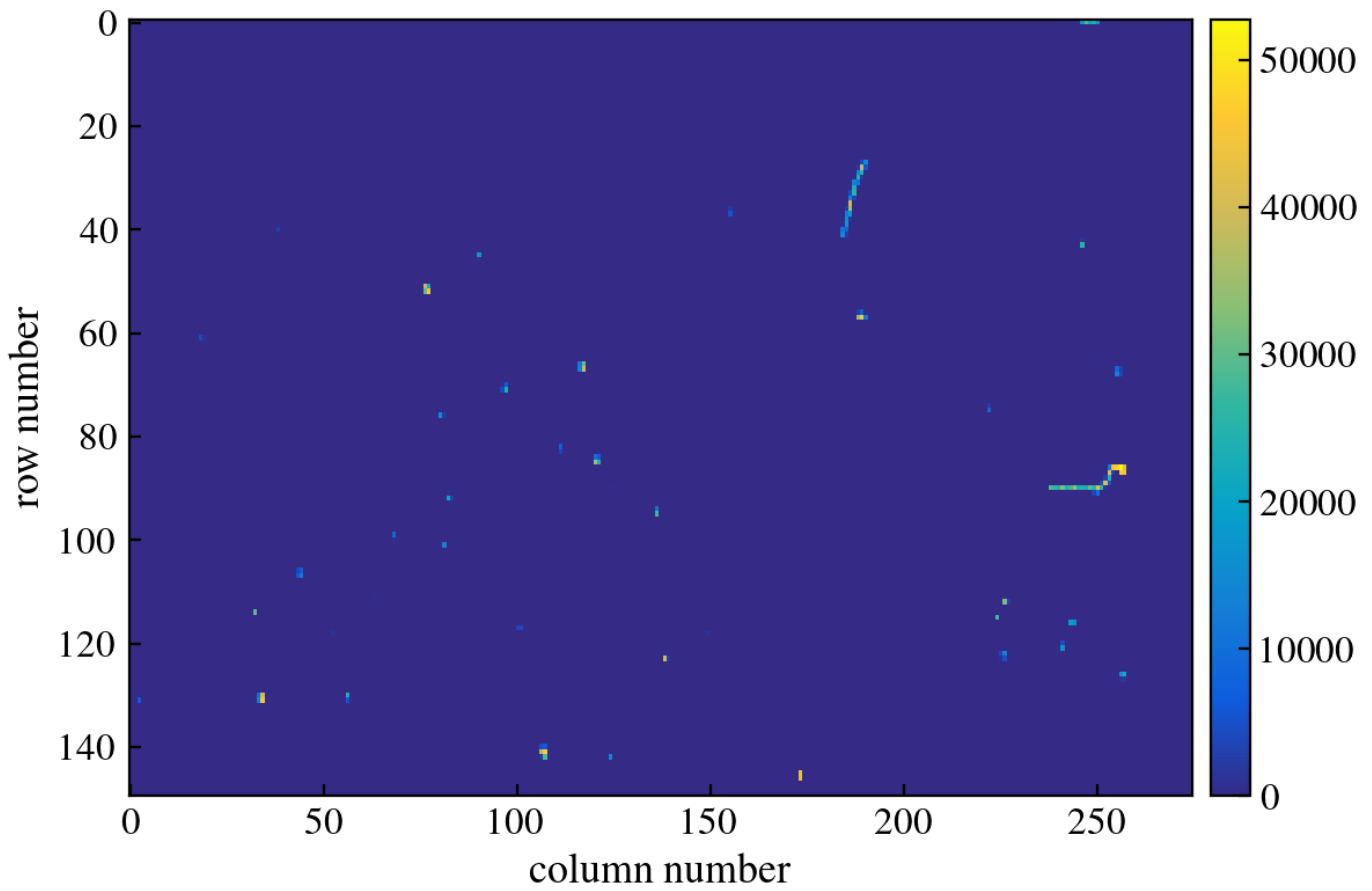


Figure 256: CCD Image

CCD Image: run 454, image 300  
[class MECCDImage]

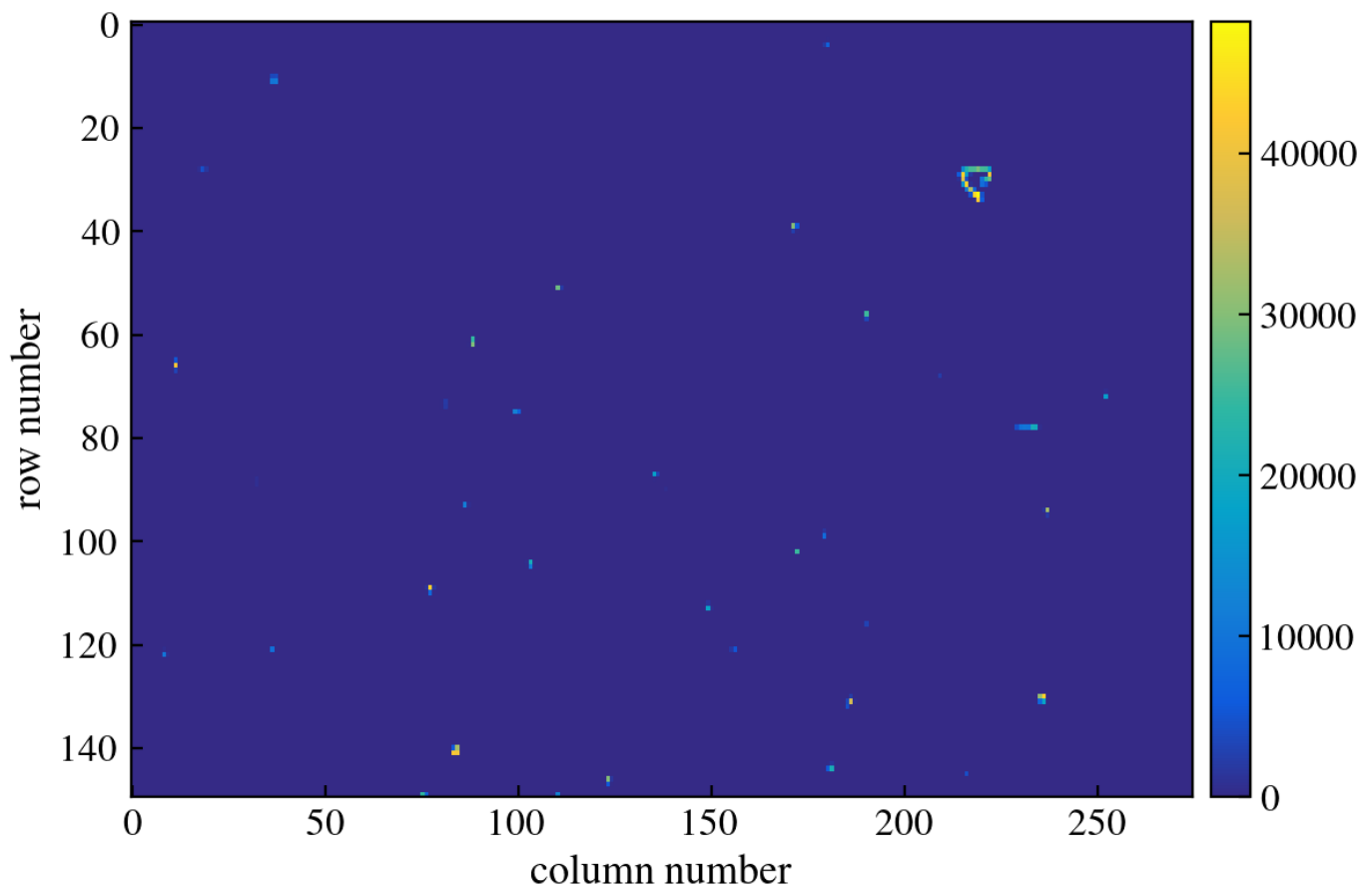


Figure 257: CCD Image

CCD Image: run 454, image 301  
[class MECCDImage]

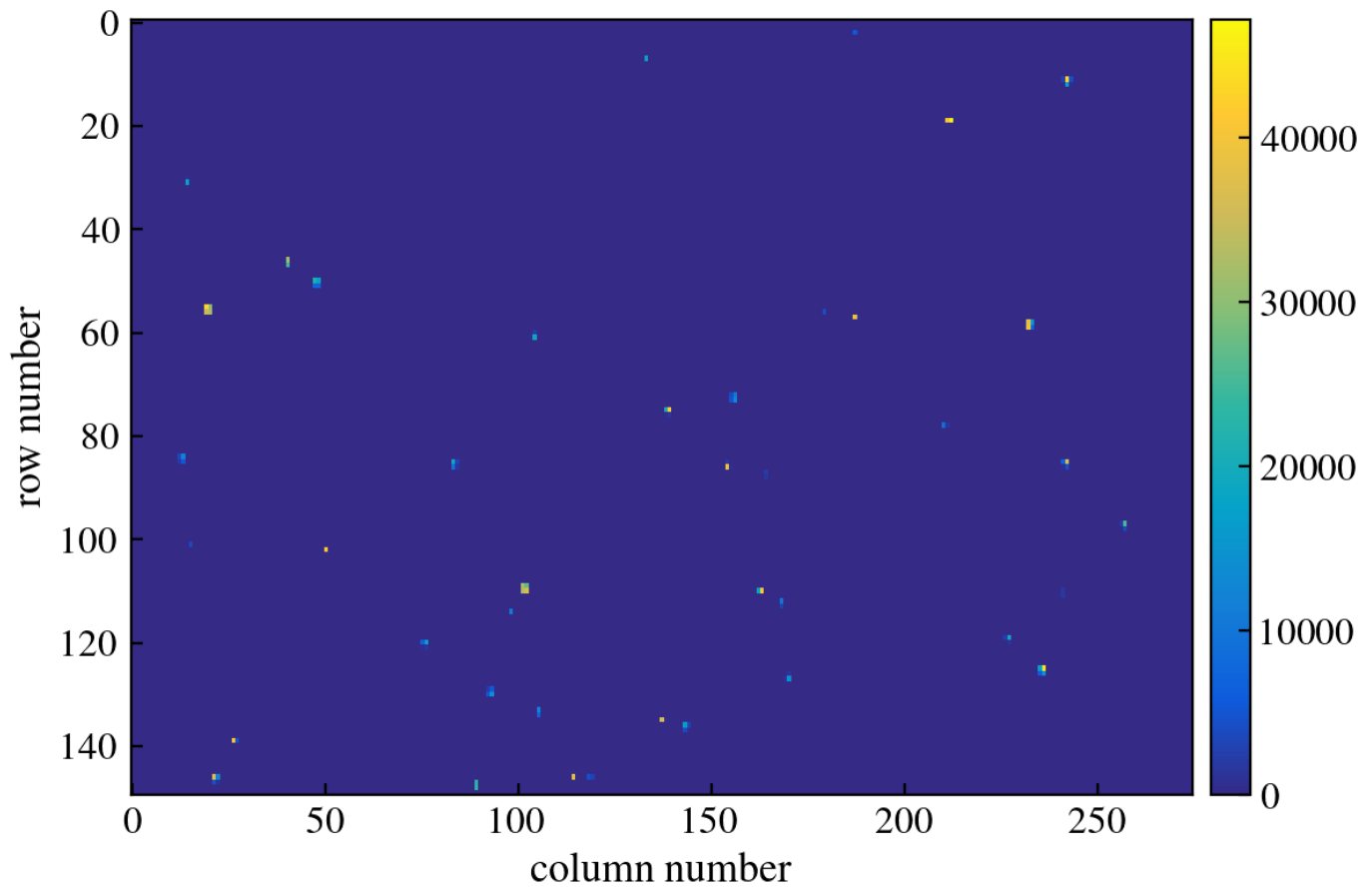


Figure 258: CCD Image

CCD Image: run 454, image 302  
[class MECCDImage]

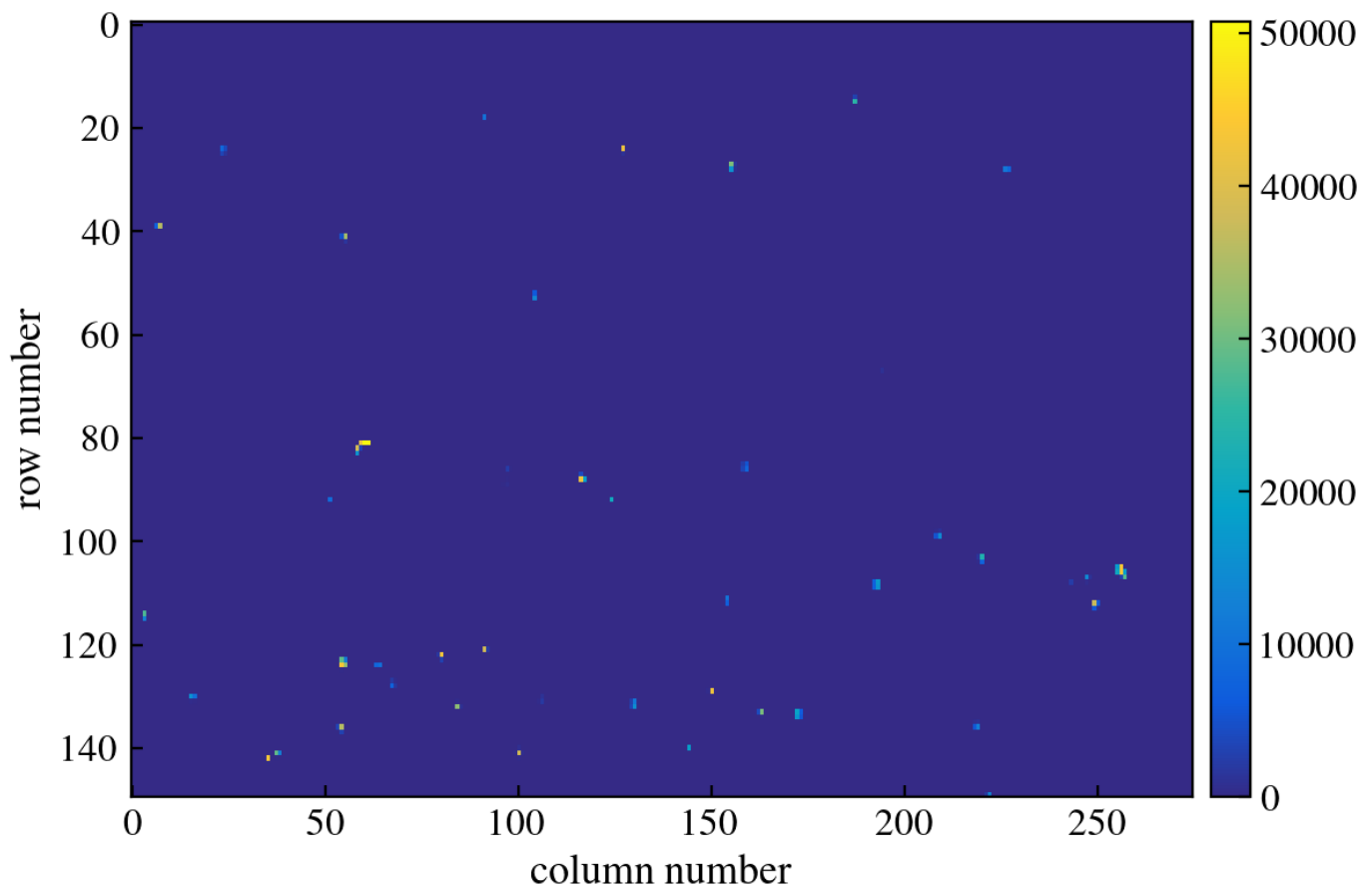


Figure 259: CCD Image

CCD Image: run 454, image 303  
[class MECCDImage]

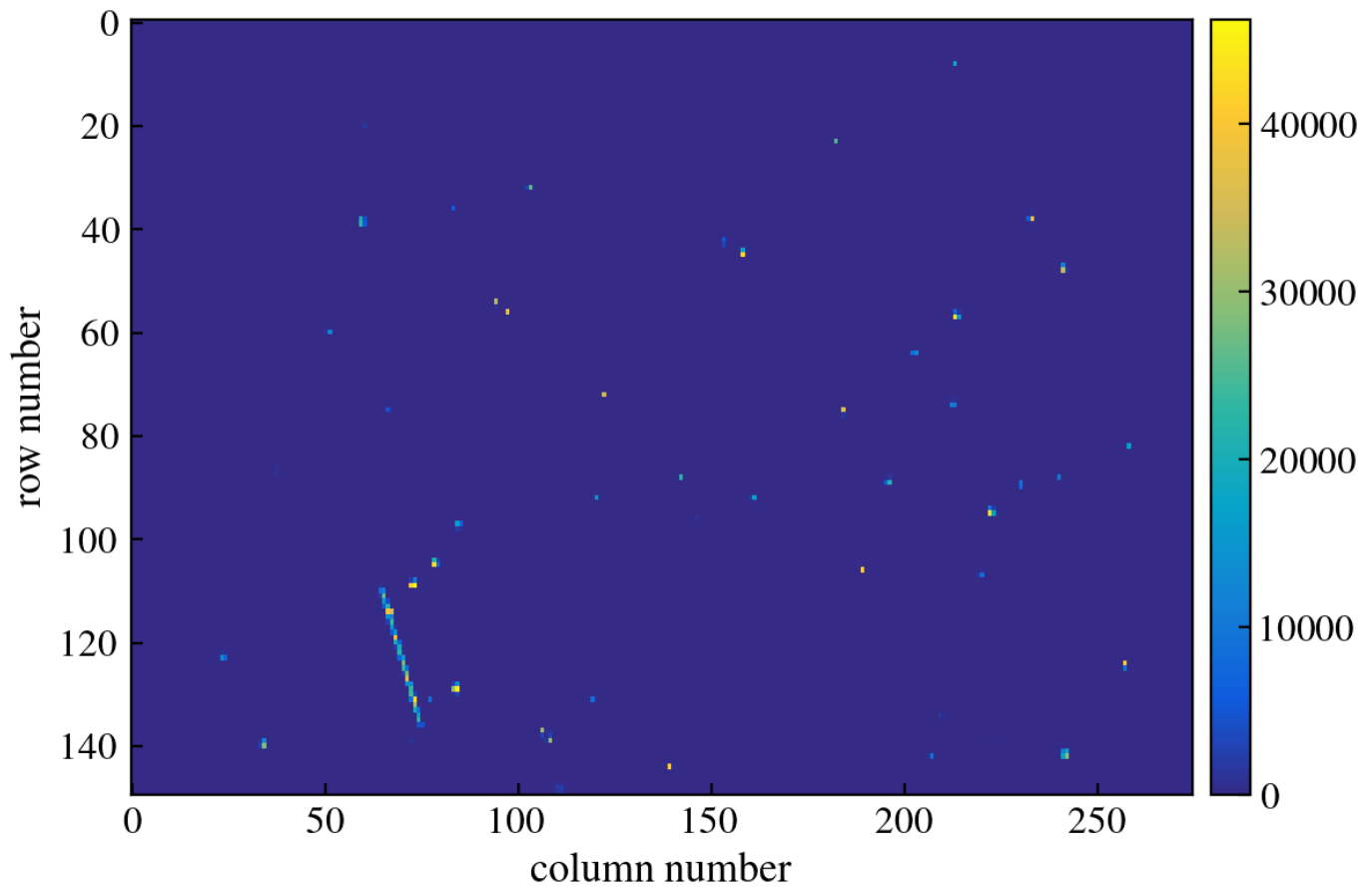


Figure 260: CCD Image

CCD Image: run 454, image 304  
[class MECCDImage]

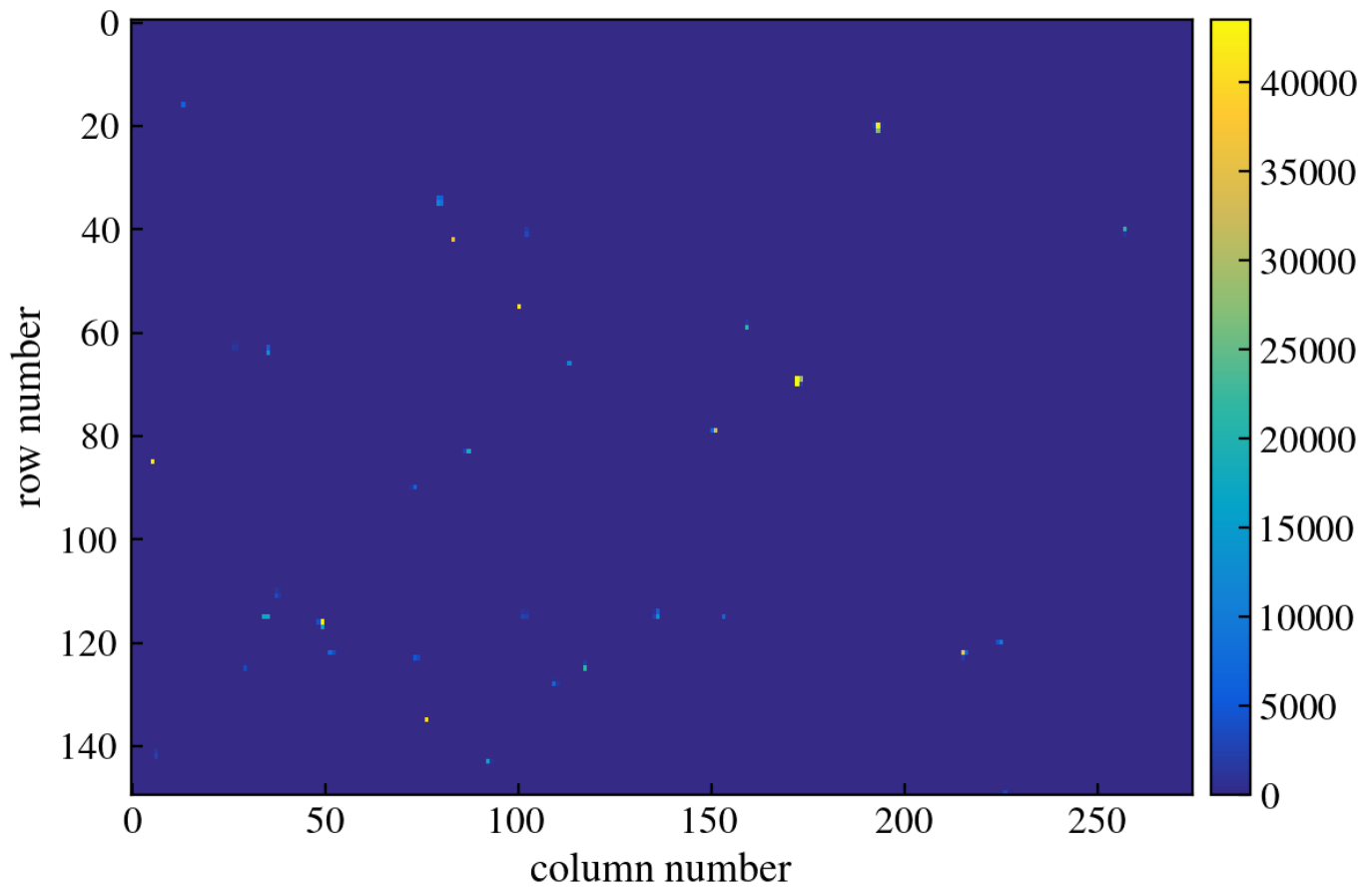


Figure 261: CCD Image

CCD Image: run 454, image 305  
[class MECCDImage]

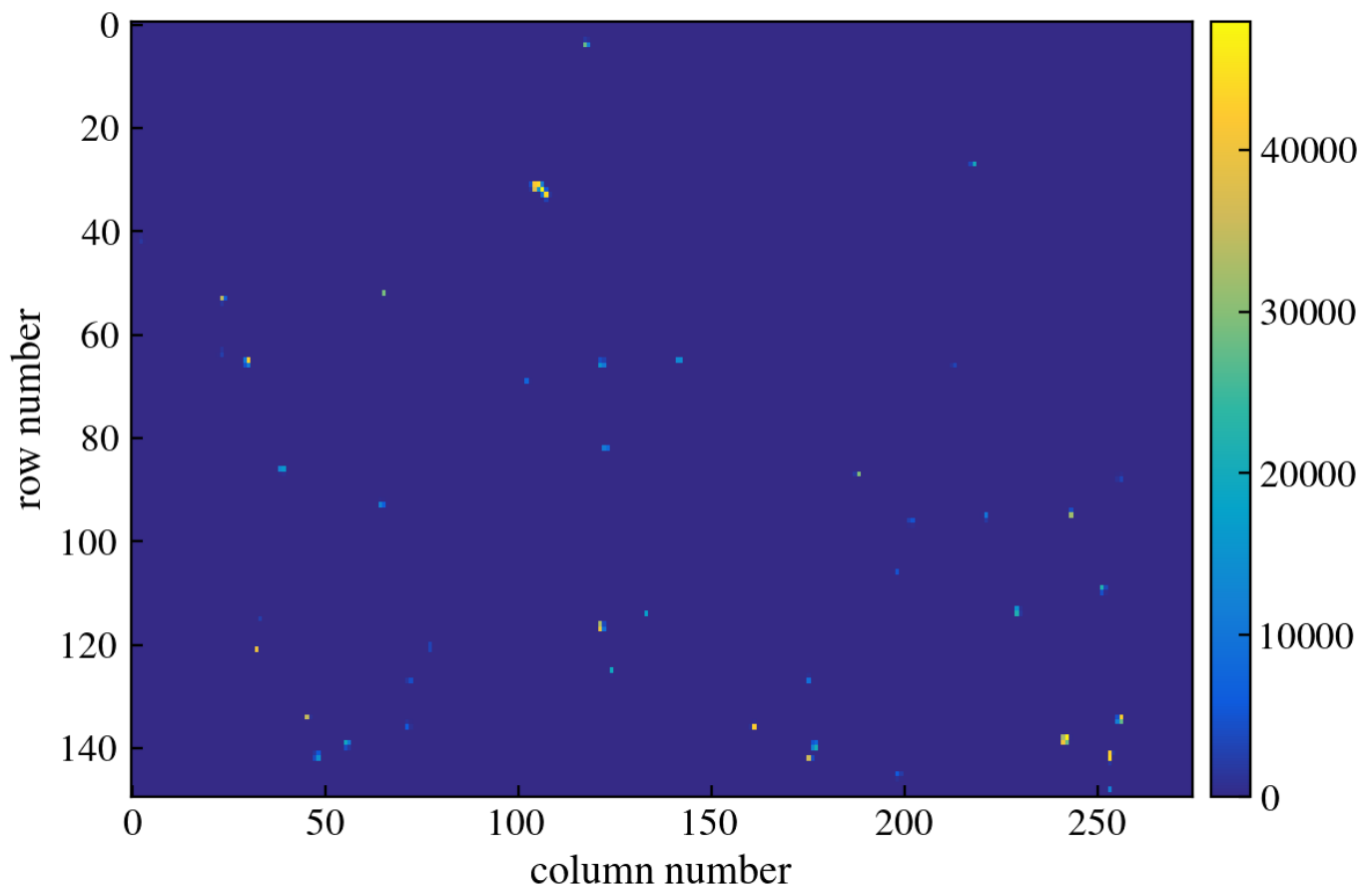


Figure 262: CCD Image

CCD Image: run 454, image 306  
[class MECCDImage]

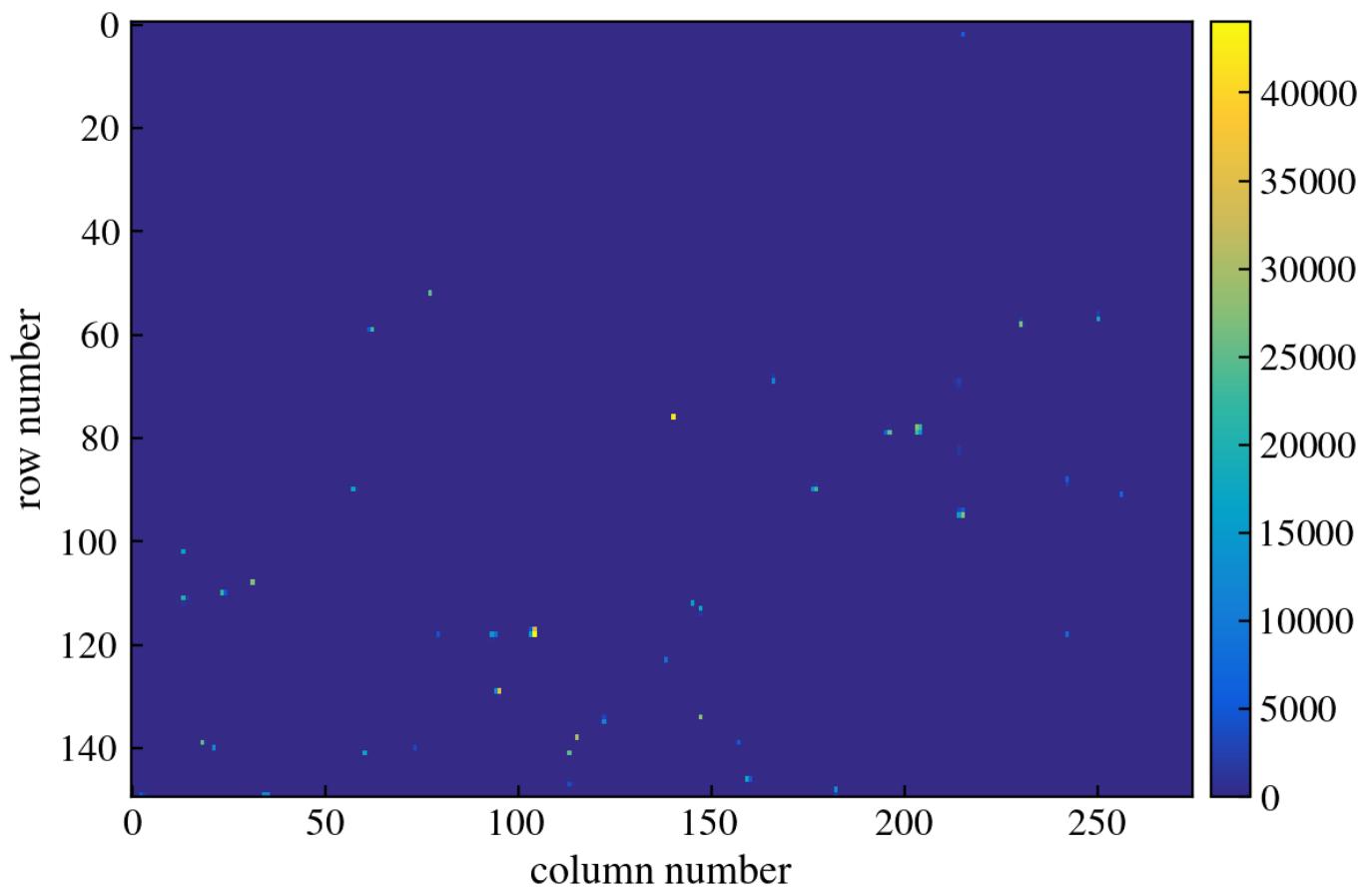


Figure 263: CCD Image



CCD Image: run 454, image 307  
[class MECCDImage]

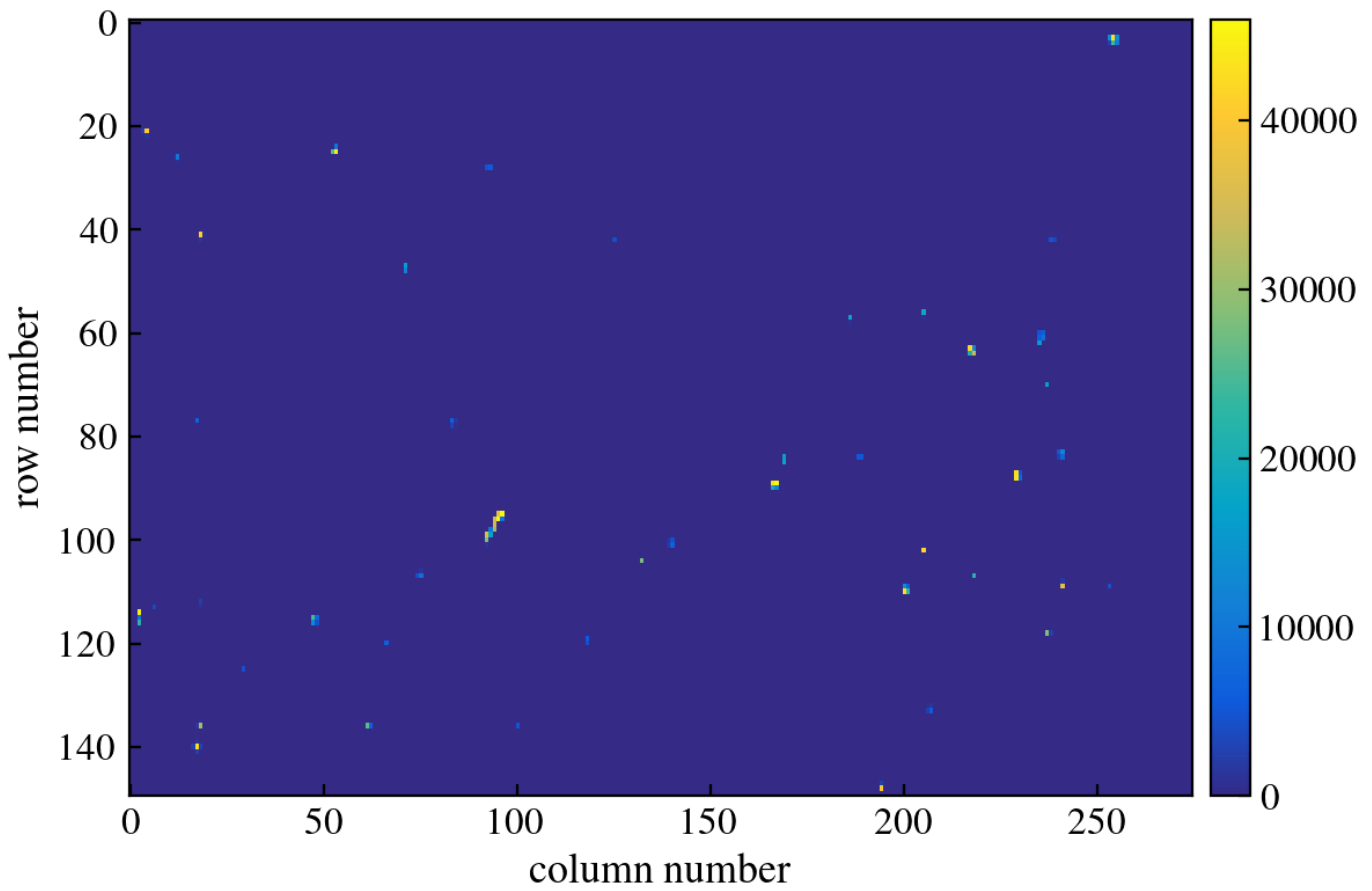


Figure 264: CCD Image

CCD Image: run 454, image 308  
[class MECCDImage]

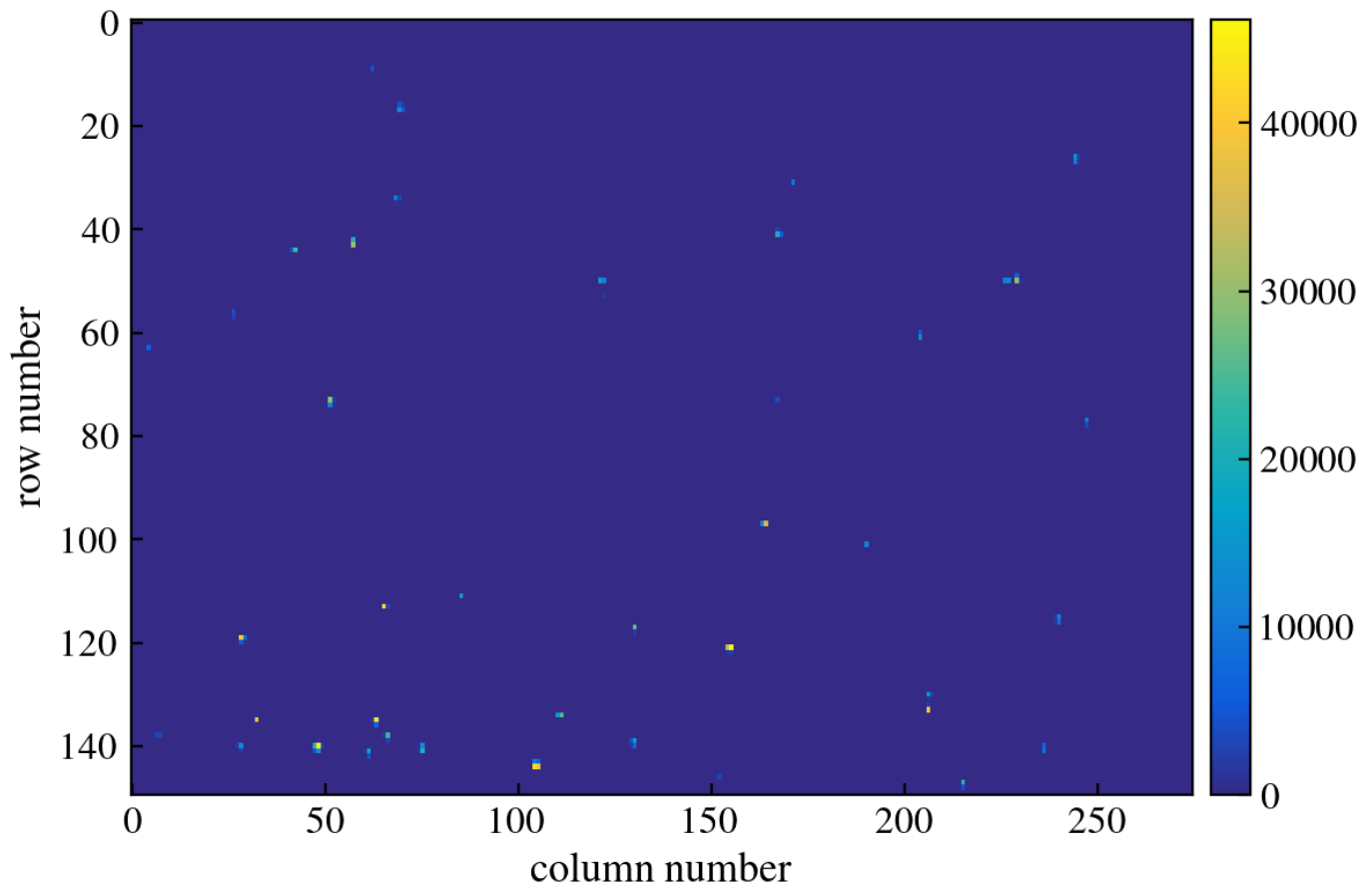


Figure 265: CCD Image

CCD Image: run 454, image 309  
[class MECCDImage]

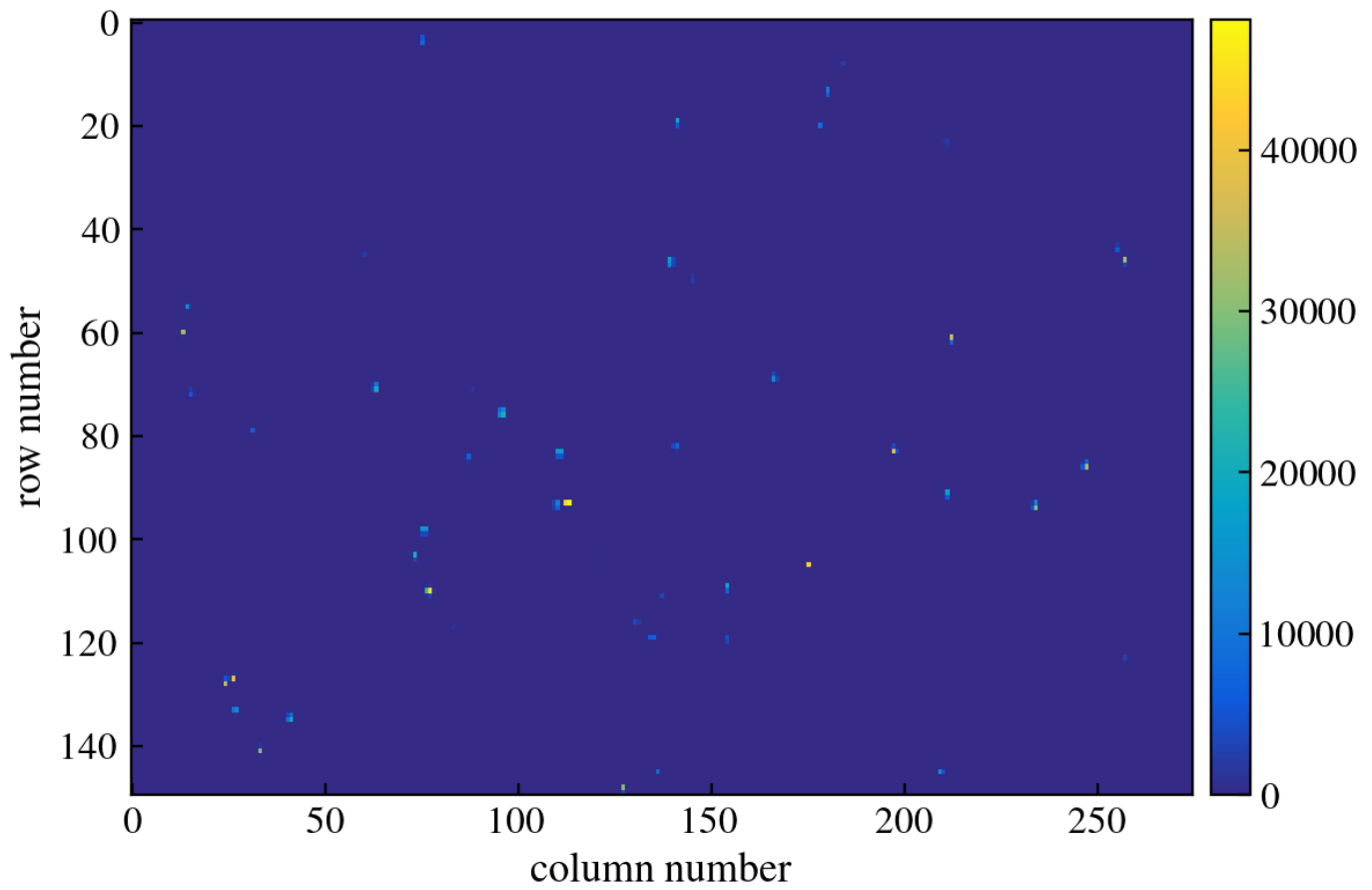


Figure 266: CCD Image

CCD Image: run 454, image 31  
[class MECCDImage]

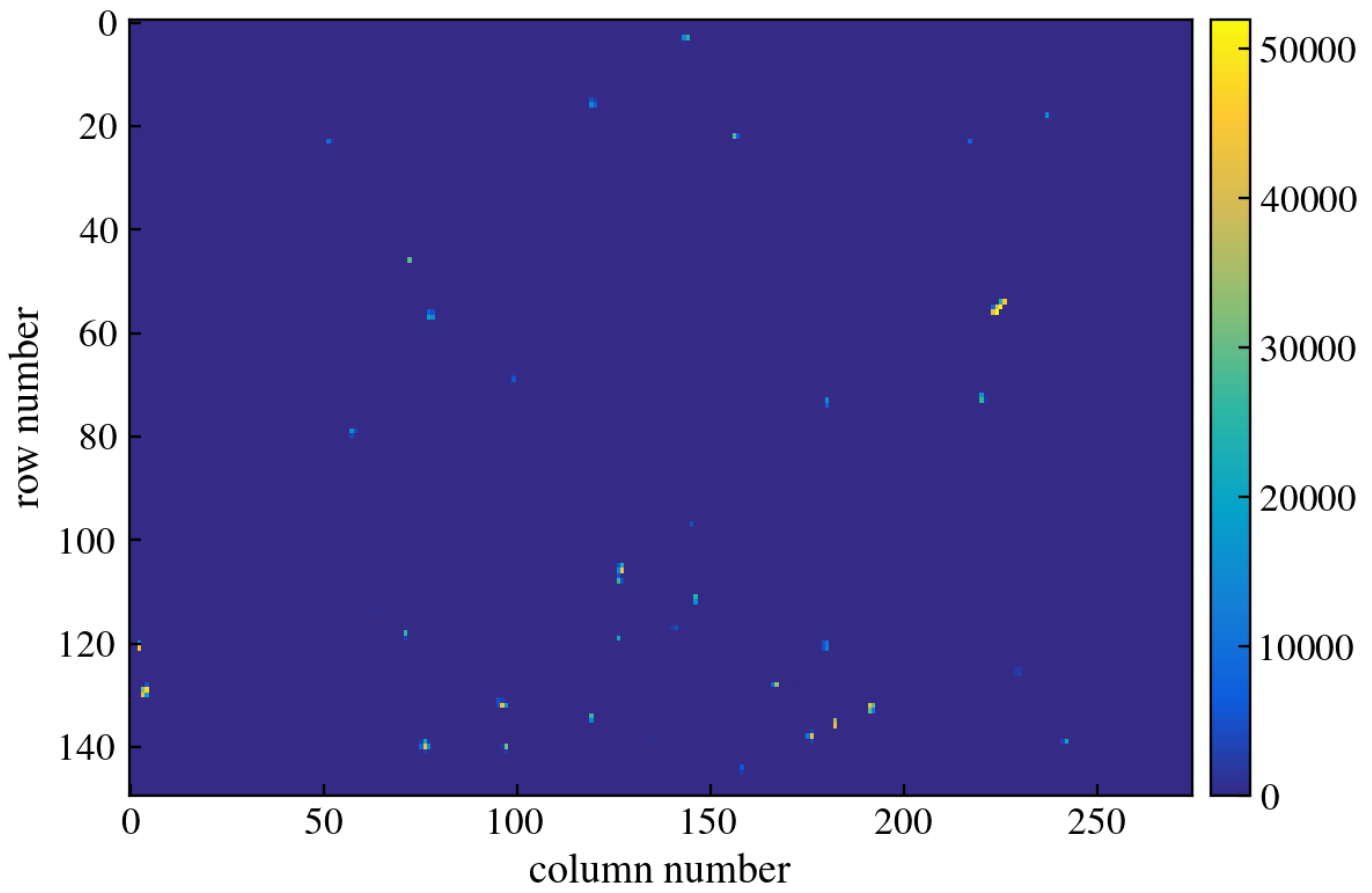


Figure 267: CCD Image

CCD Image: run 454, image 310  
[class MECCDImage]

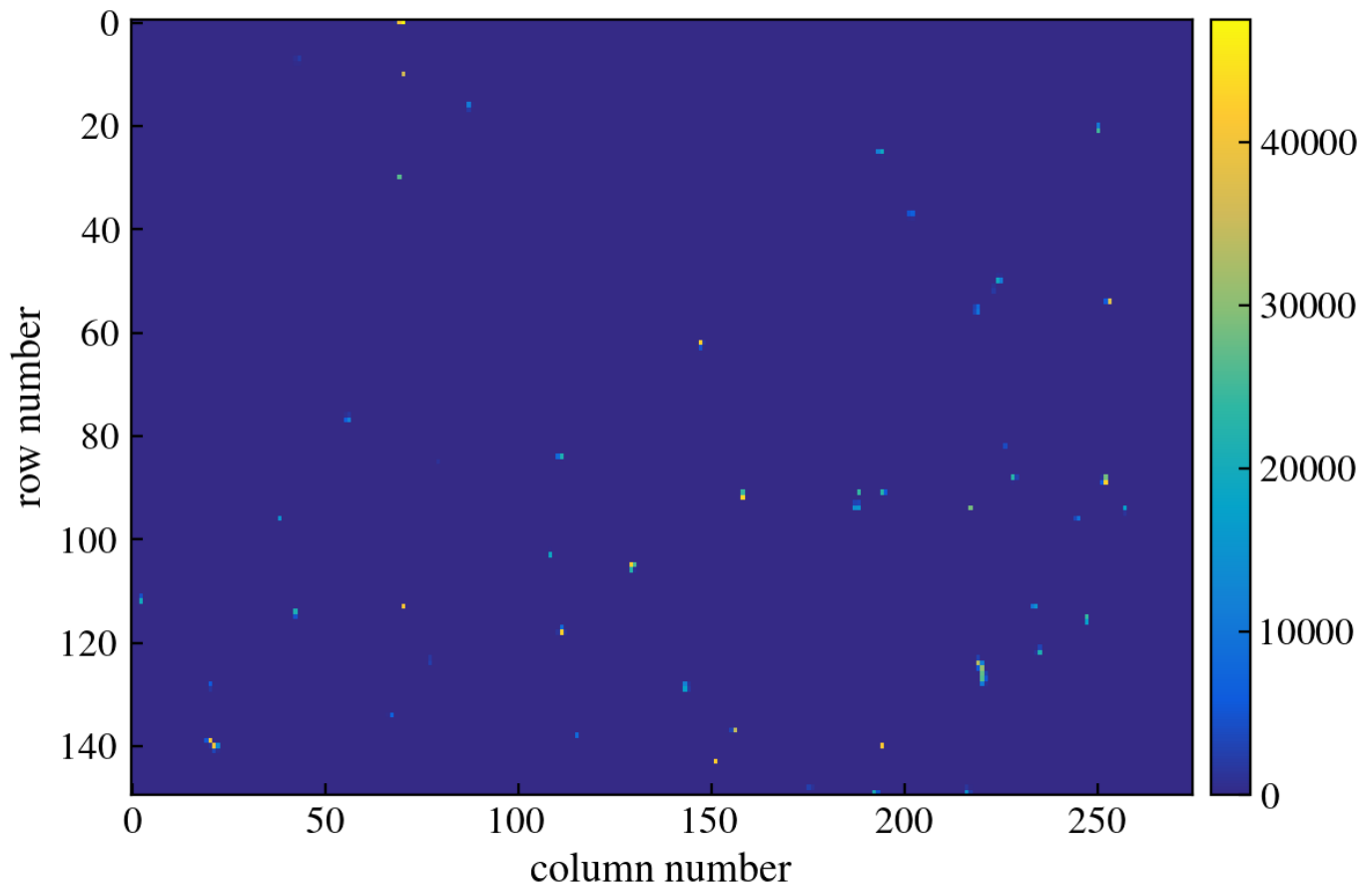


Figure 268: CCD Image

CCD Image: run 454, image 311  
[class MECCDImage]

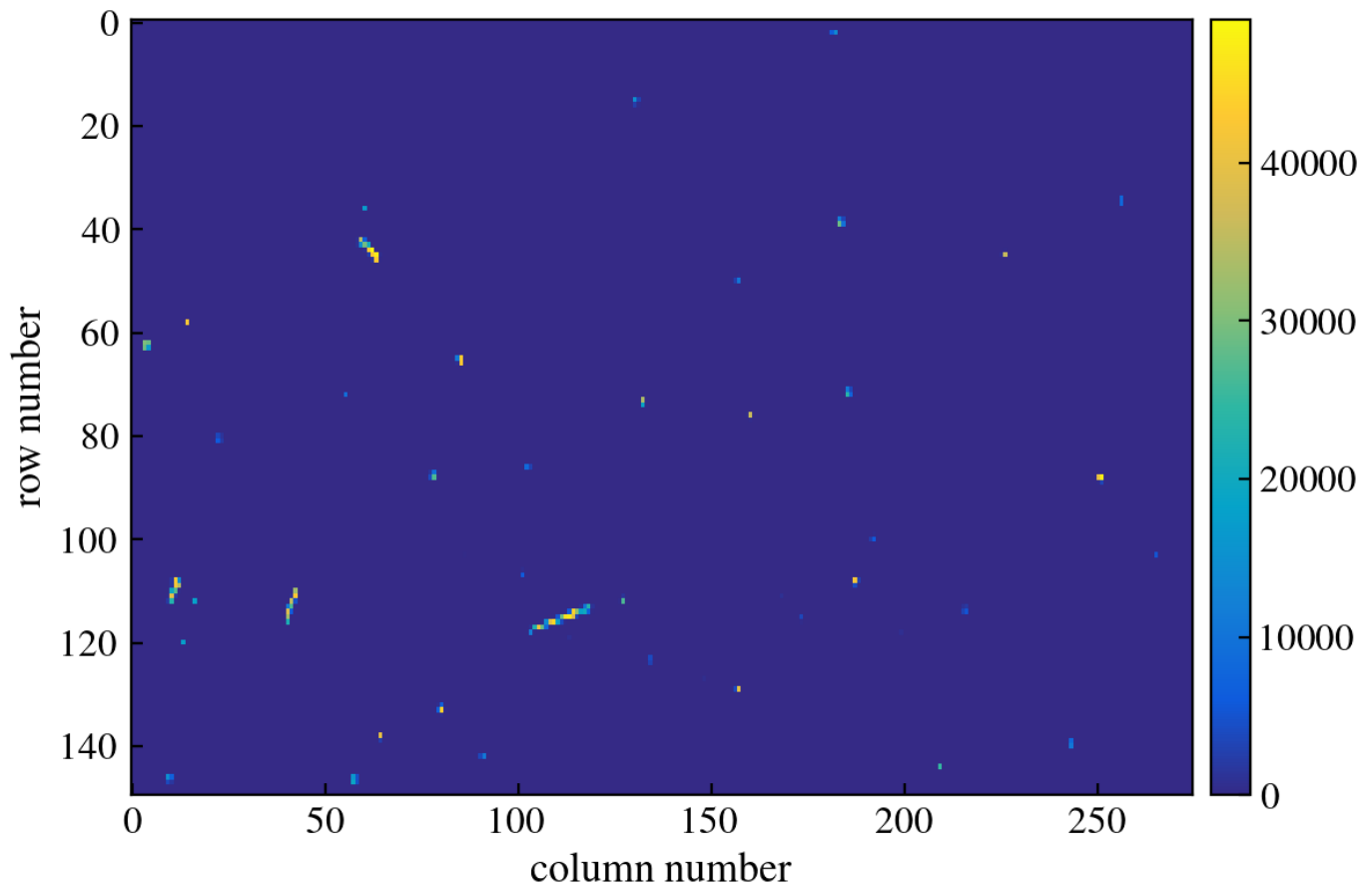


Figure 269: CCD Image

CCD Image: run 454, image 312  
[class MECCDImage]

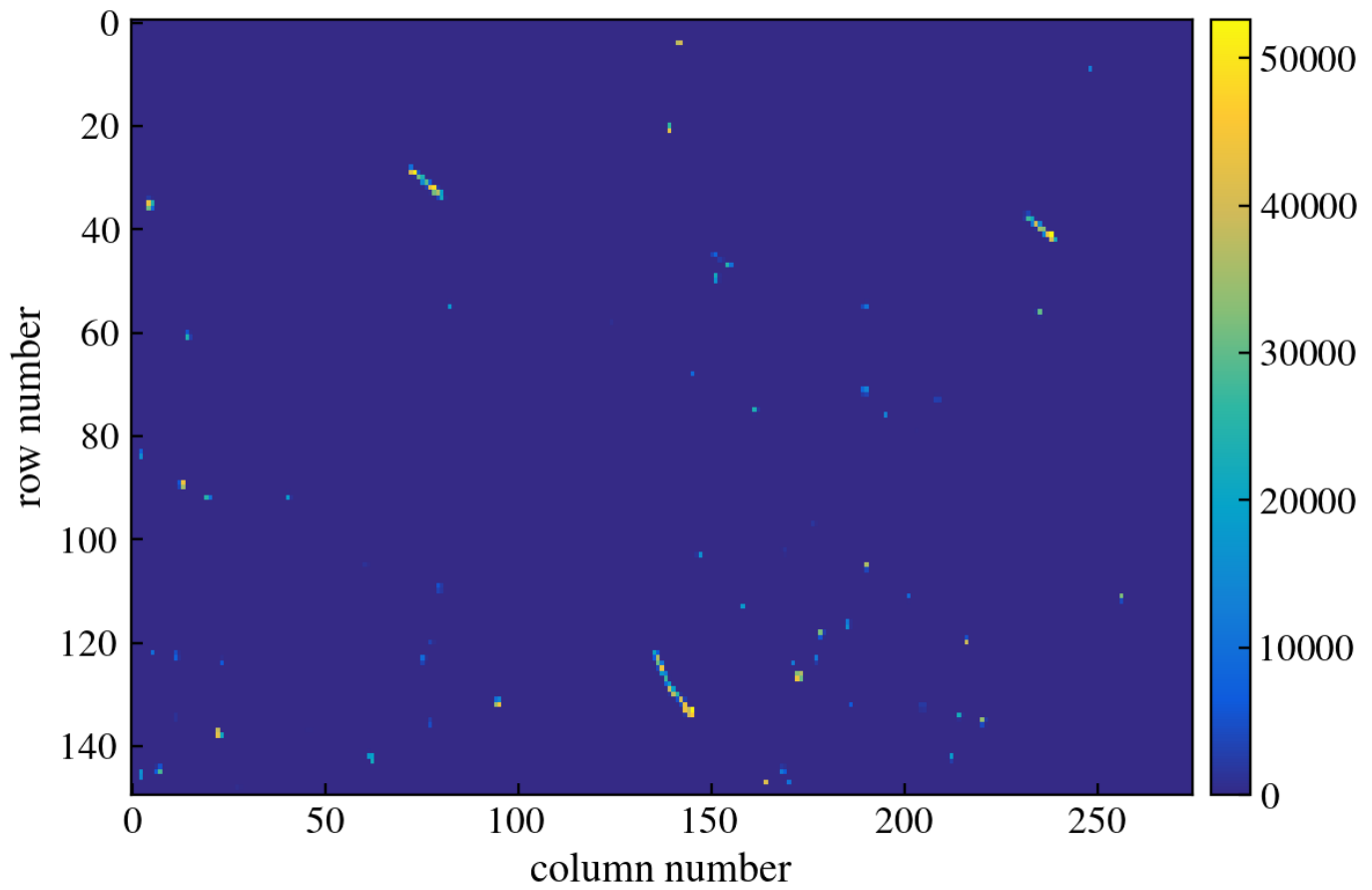


Figure 270: CCD Image

CCD Image: run 454, image 313  
[class MECCDImage]

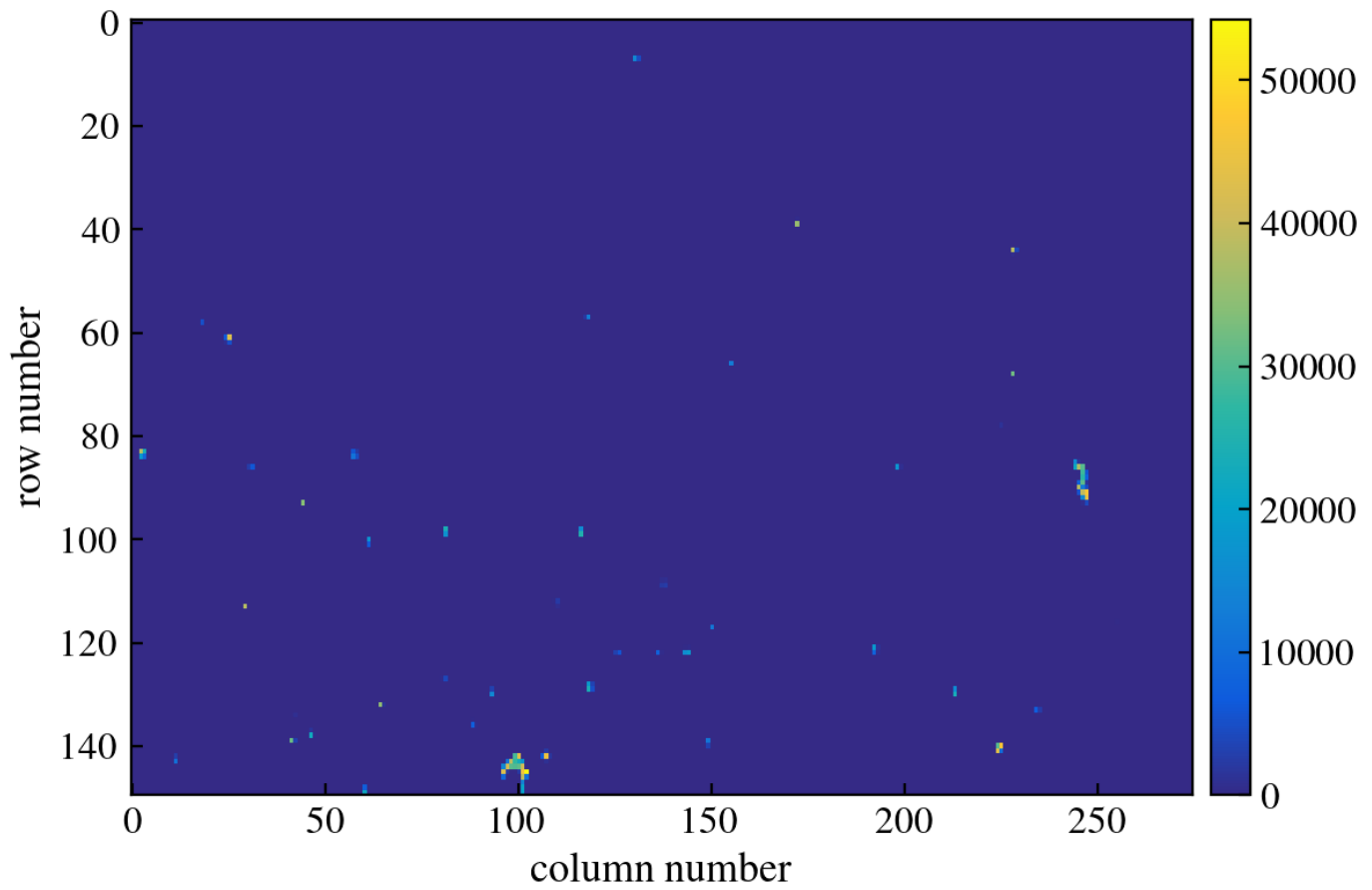


Figure 271: CCD Image



CCD Image: run 454, image 314  
[class MECCDImage]

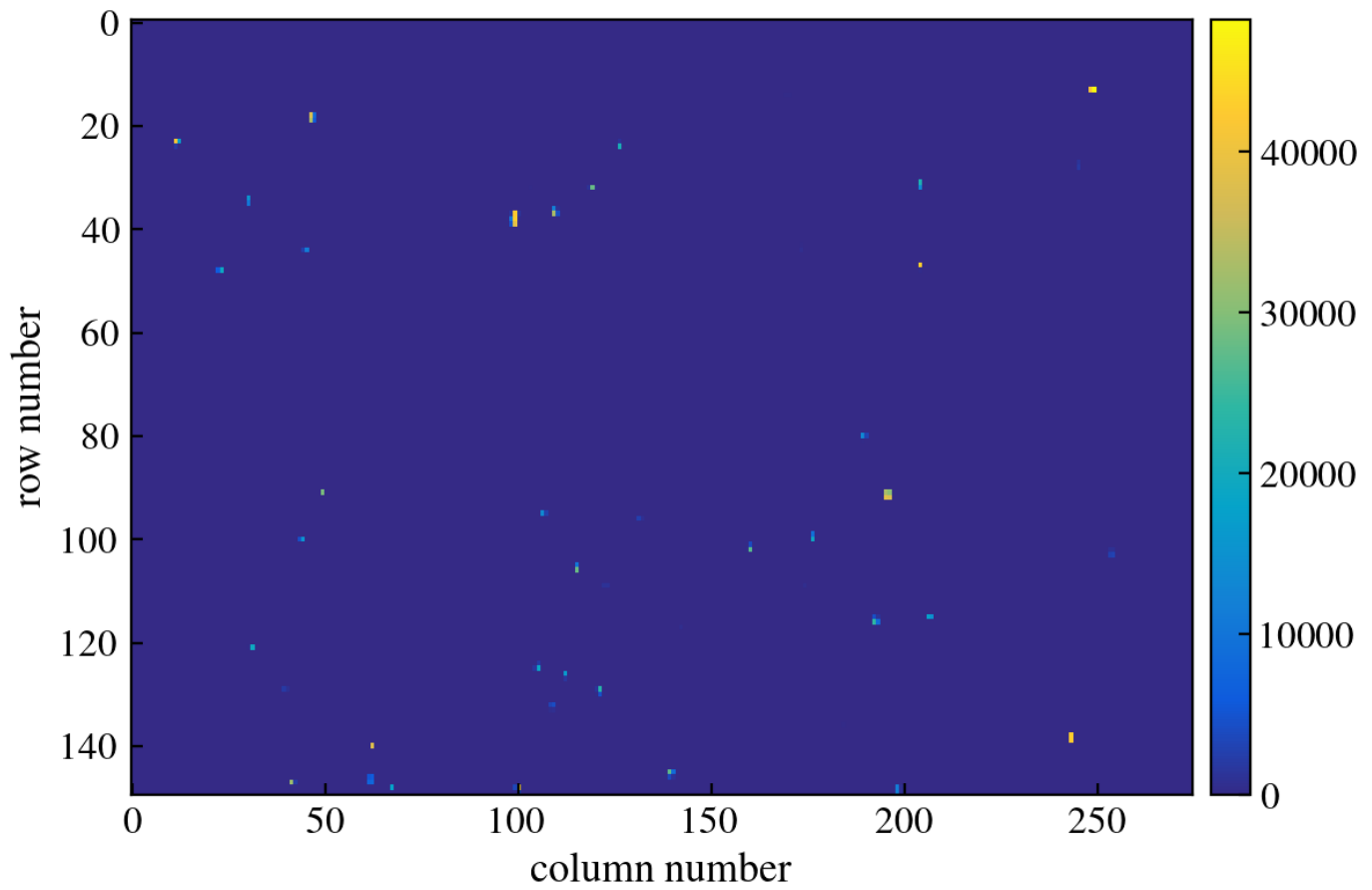


Figure 272: CCD Image

CCD Image: run 454, image 315  
[class MECCDImage]

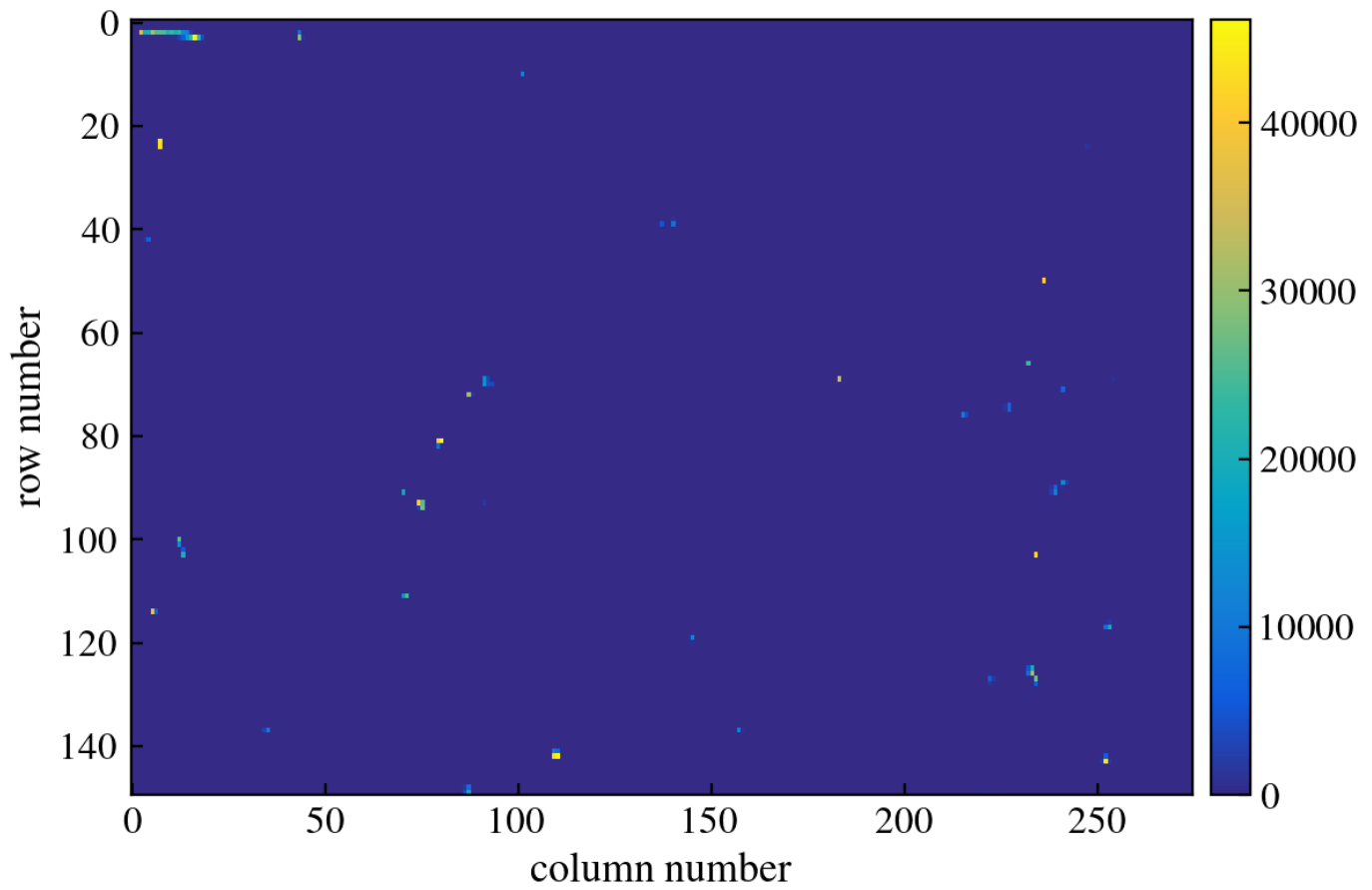


Figure 273: CCD Image

CCD Image: run 454, image 316  
[class MECCDImage]

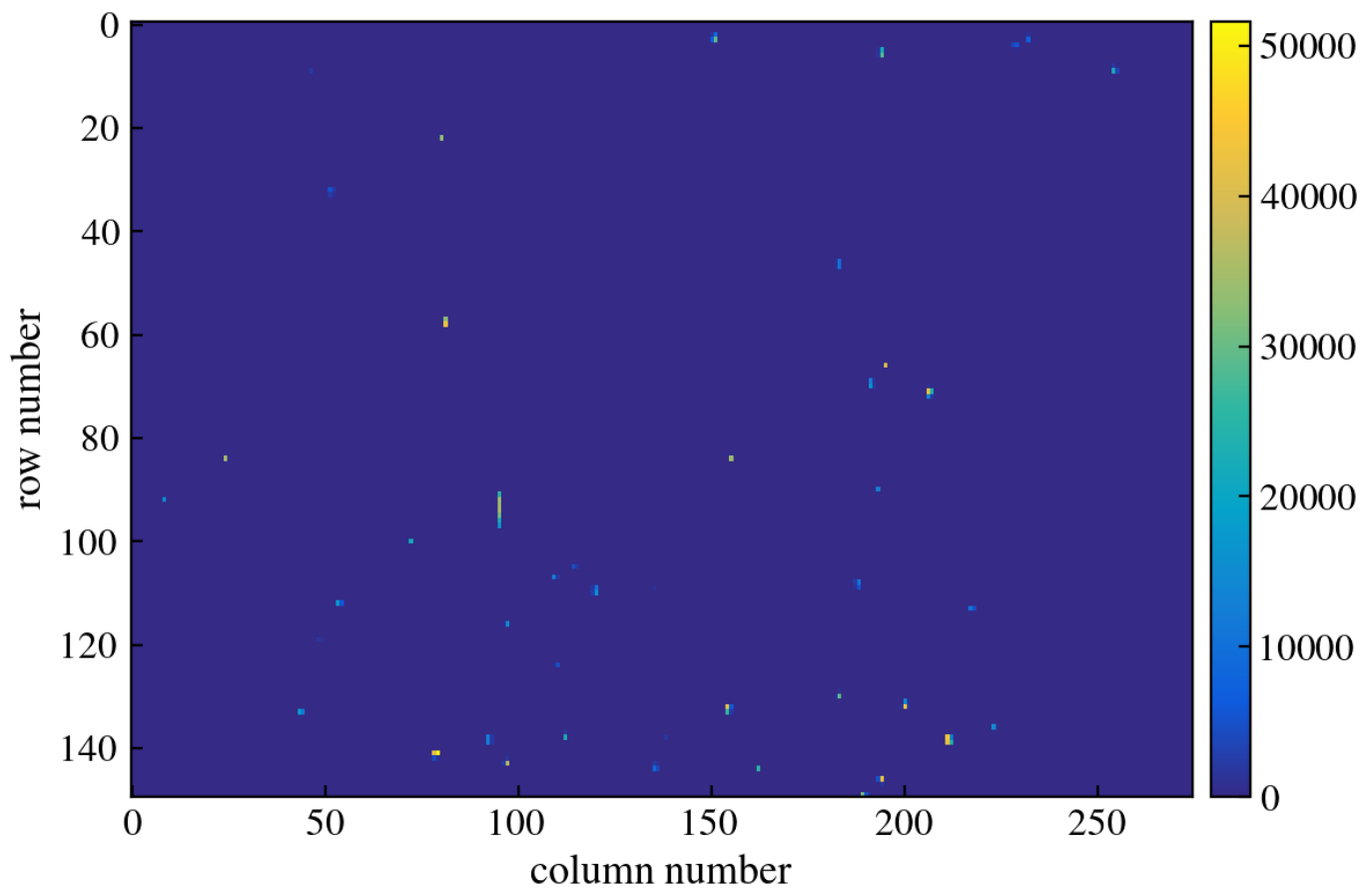


Figure 274: CCD Image

CCD Image: run 454, image 317  
[class MECCDImage]

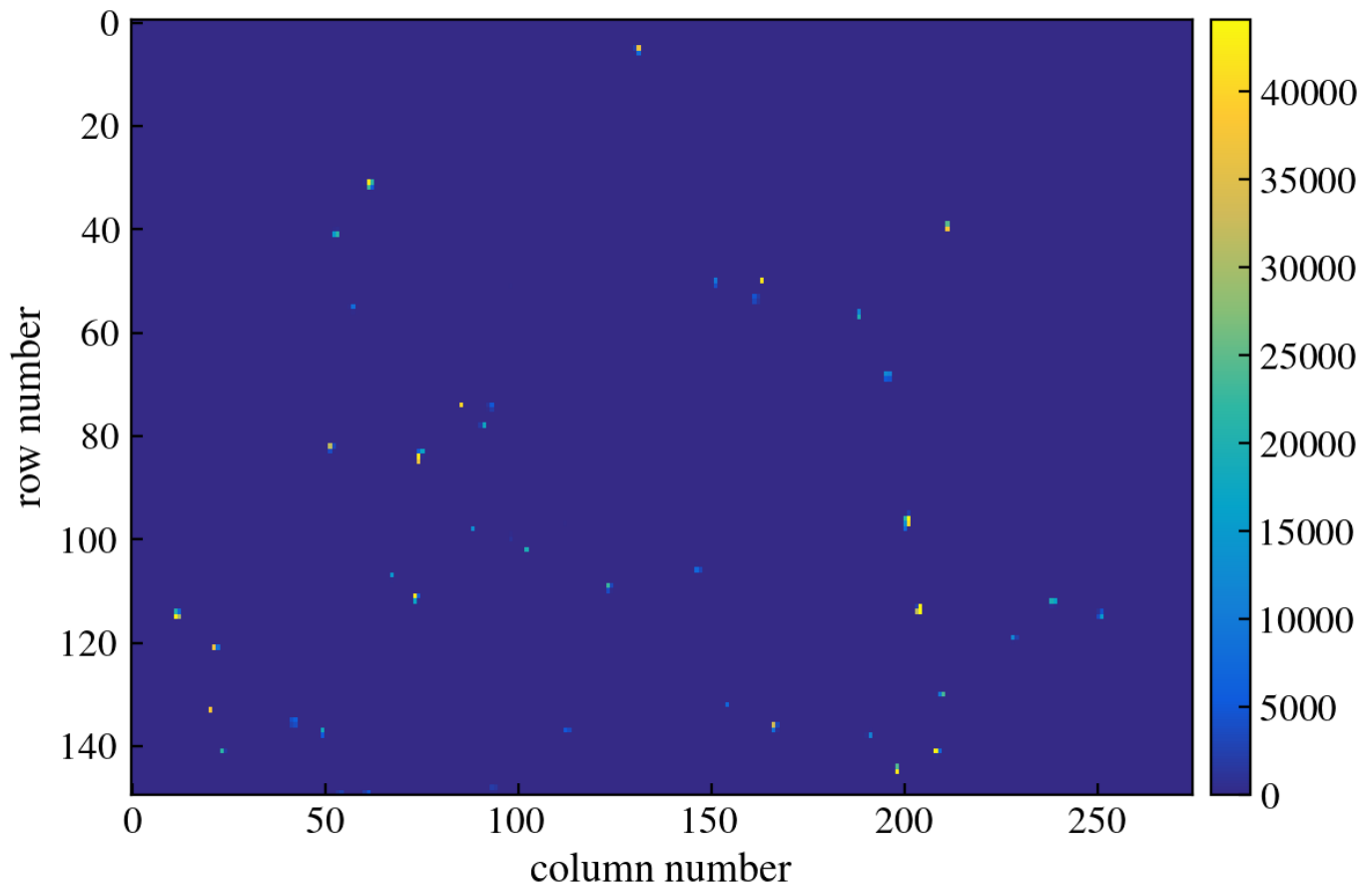


Figure 275: CCD Image

CCD Image: run 454, image 318  
[class MECCDImage]

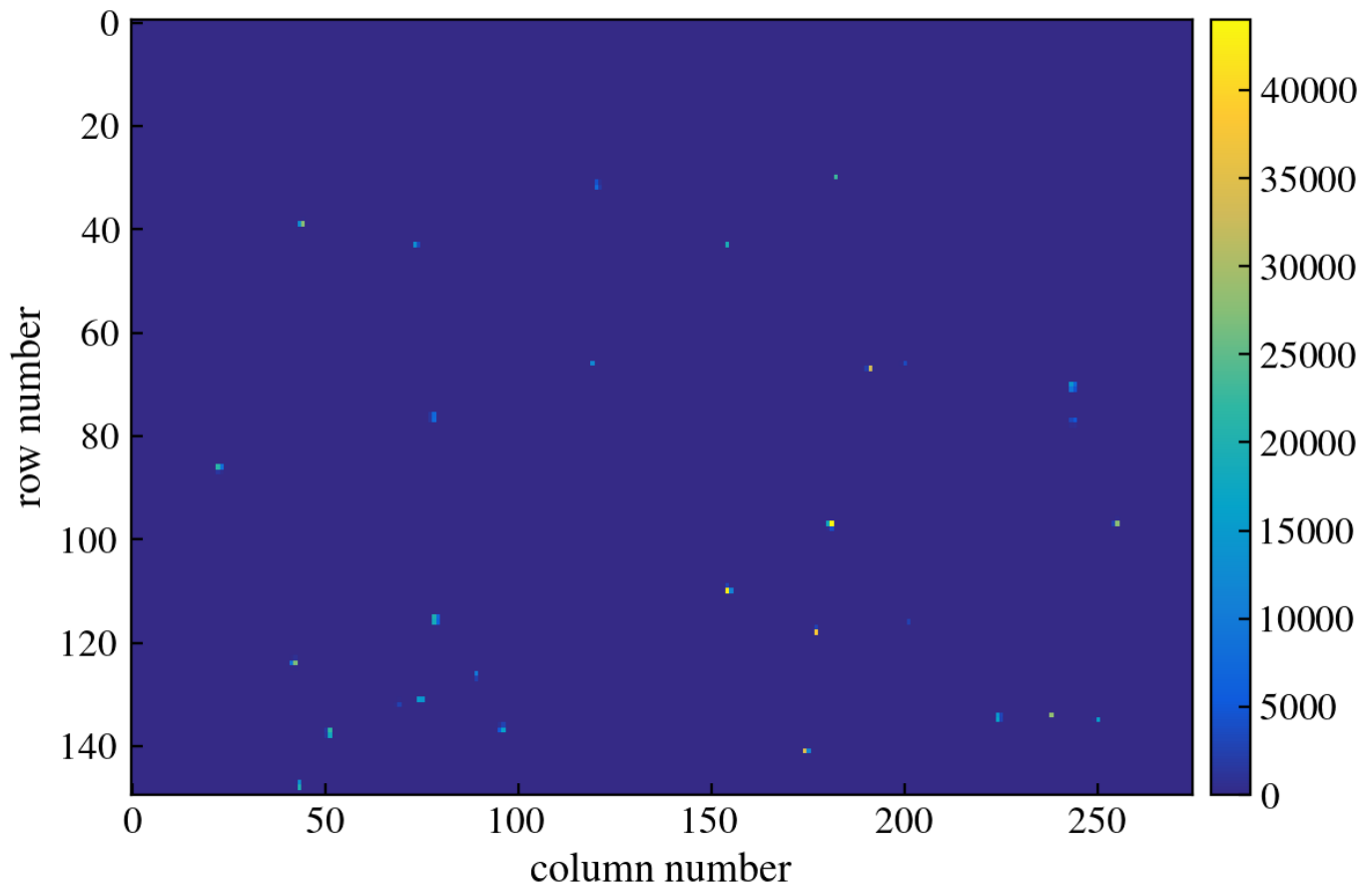


Figure 276: CCD Image

CCD Image: run 454, image 319  
[class MECCDImage]

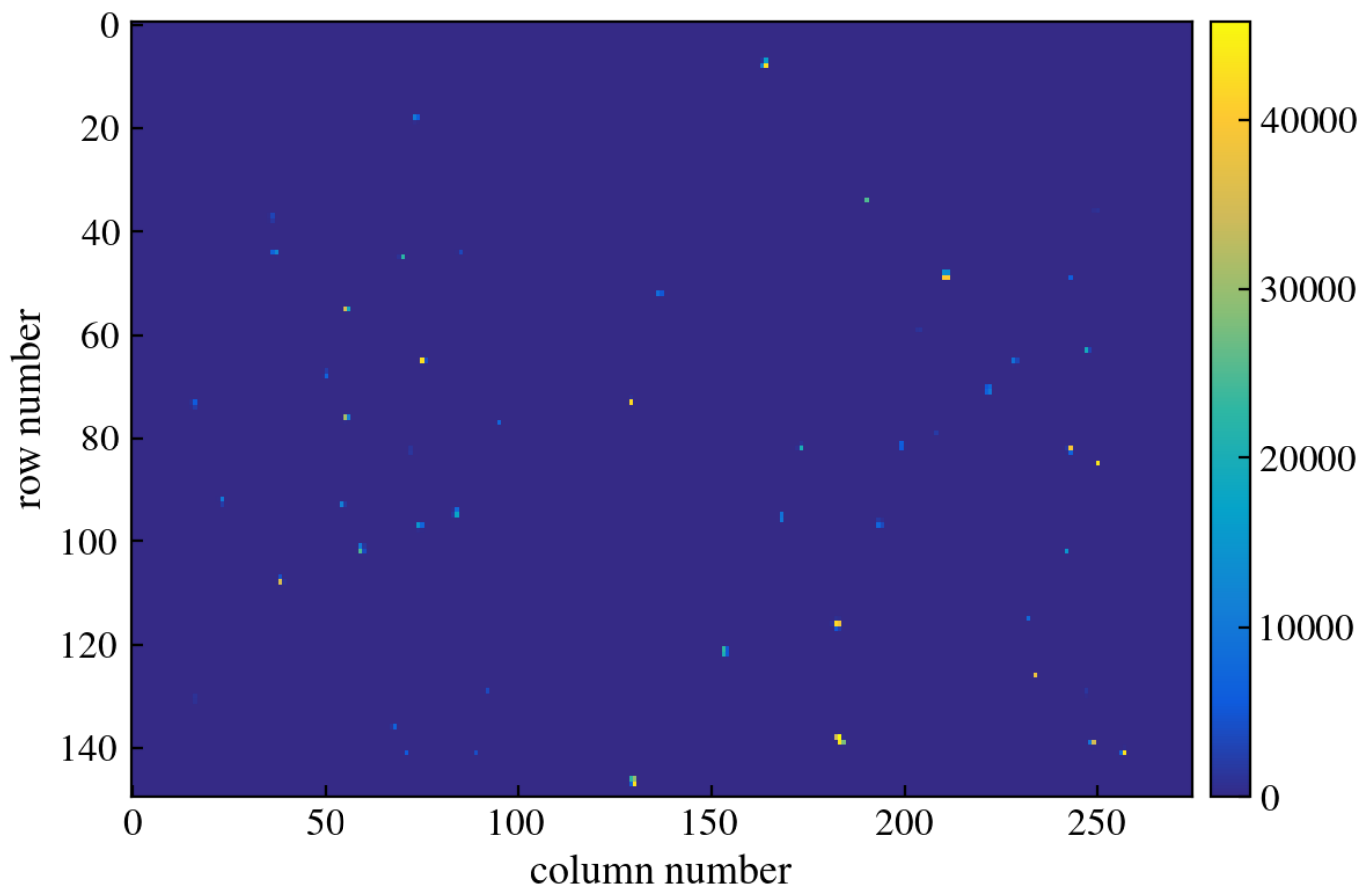


Figure 277: CCD Image

CCD Image: run 454, image 32  
[class MECCDImage]

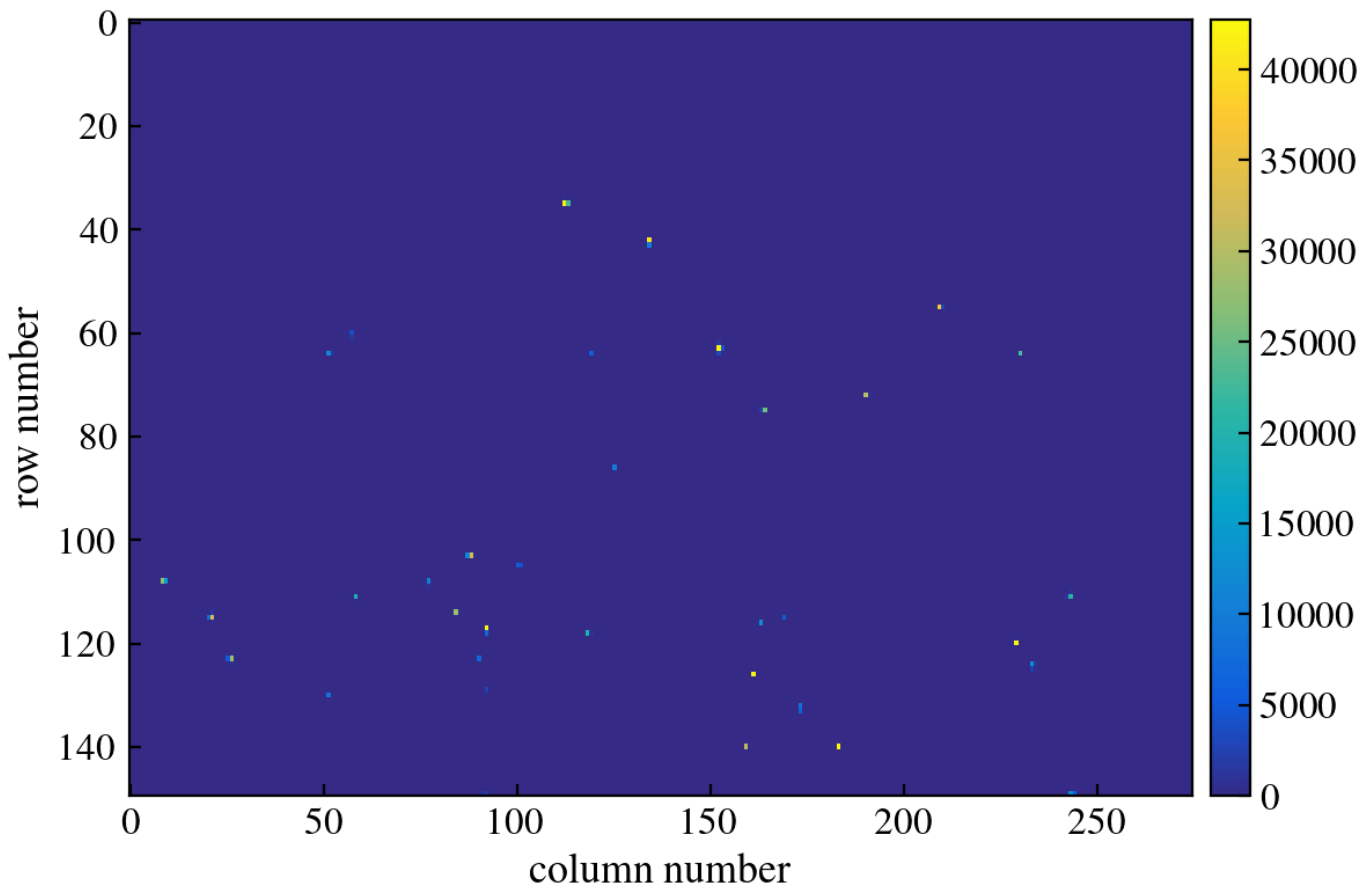


Figure 278: CCD Image

CCD Image: run 454, image 320  
[class MECCDImage]

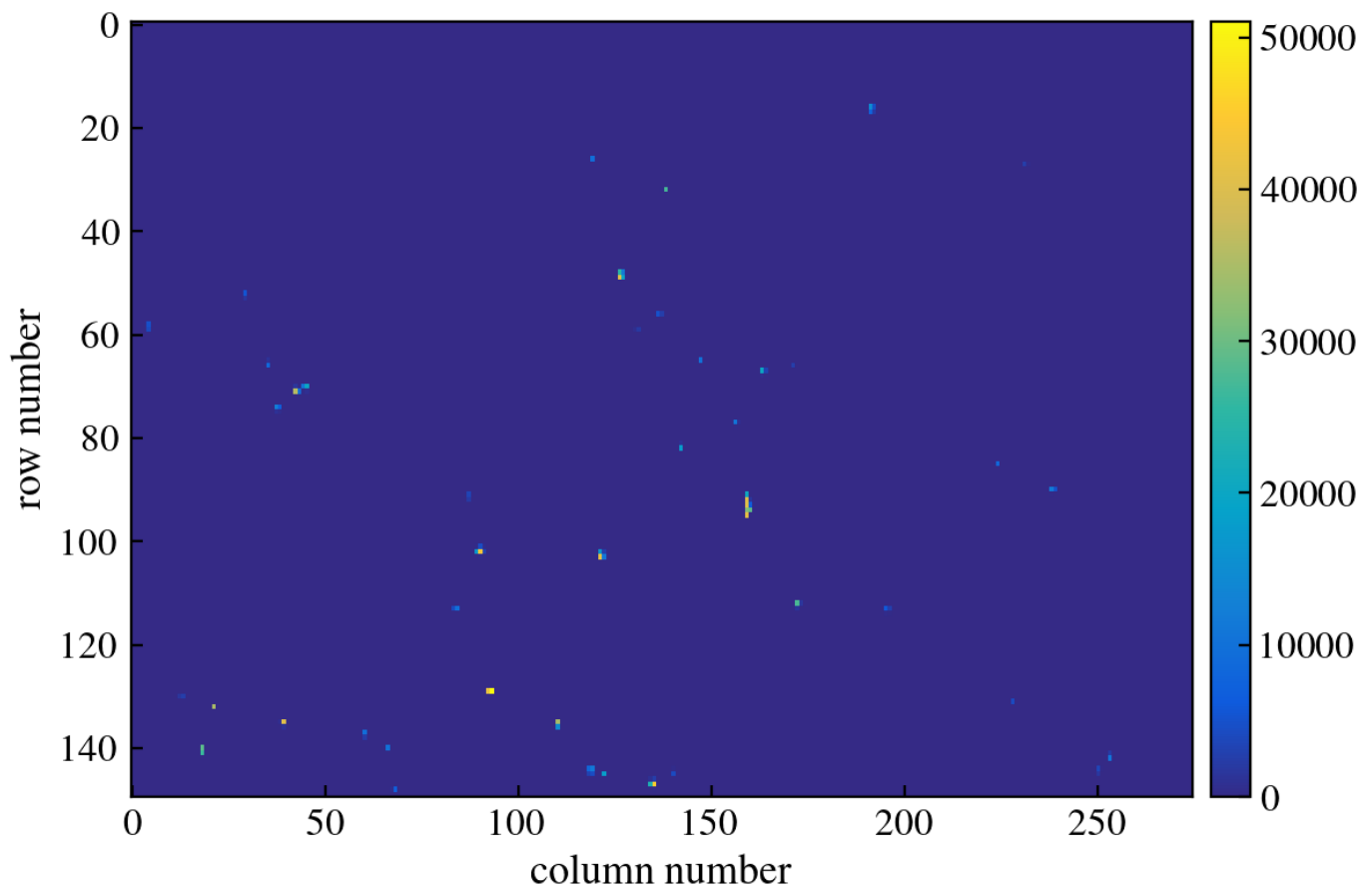


Figure 279: CCD Image



CCD Image: run 454, image 321  
[class MECCDImage]

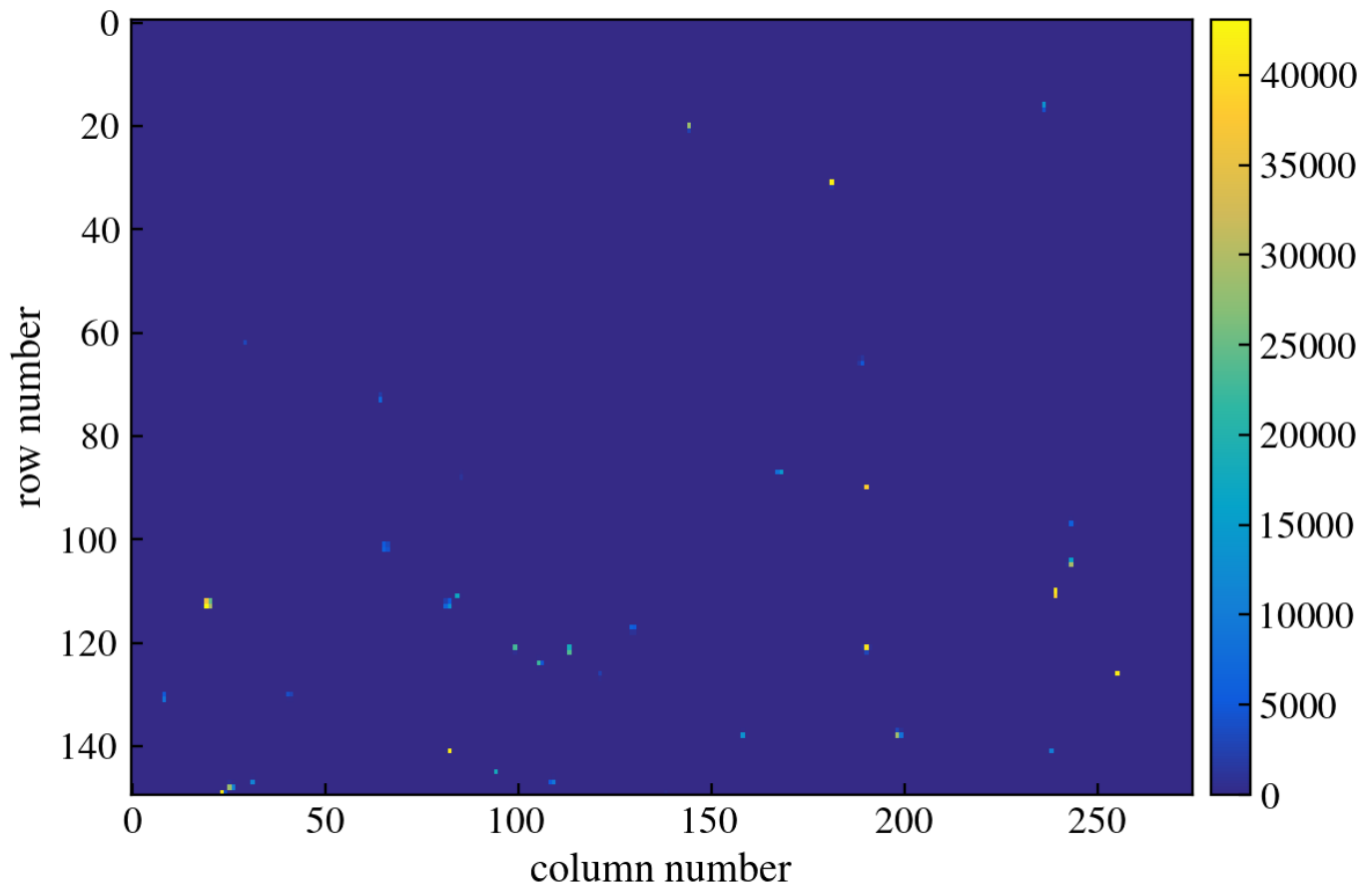


Figure 280: CCD Image

CCD Image: run 454, image 322  
[class MECCDImage]

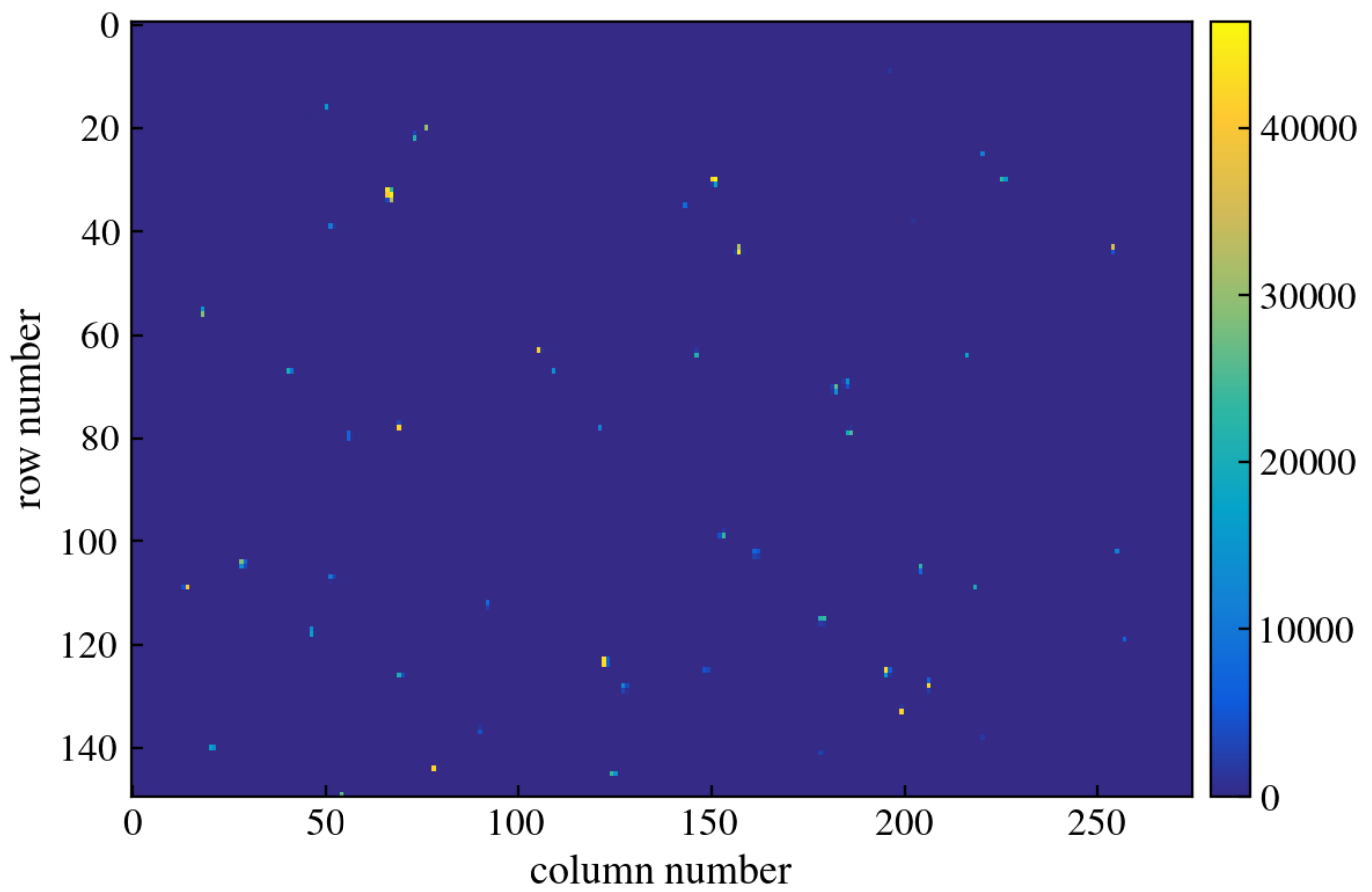


Figure 281: CCD Image

CCD Image: run 454, image 323  
[class MECCDImage]

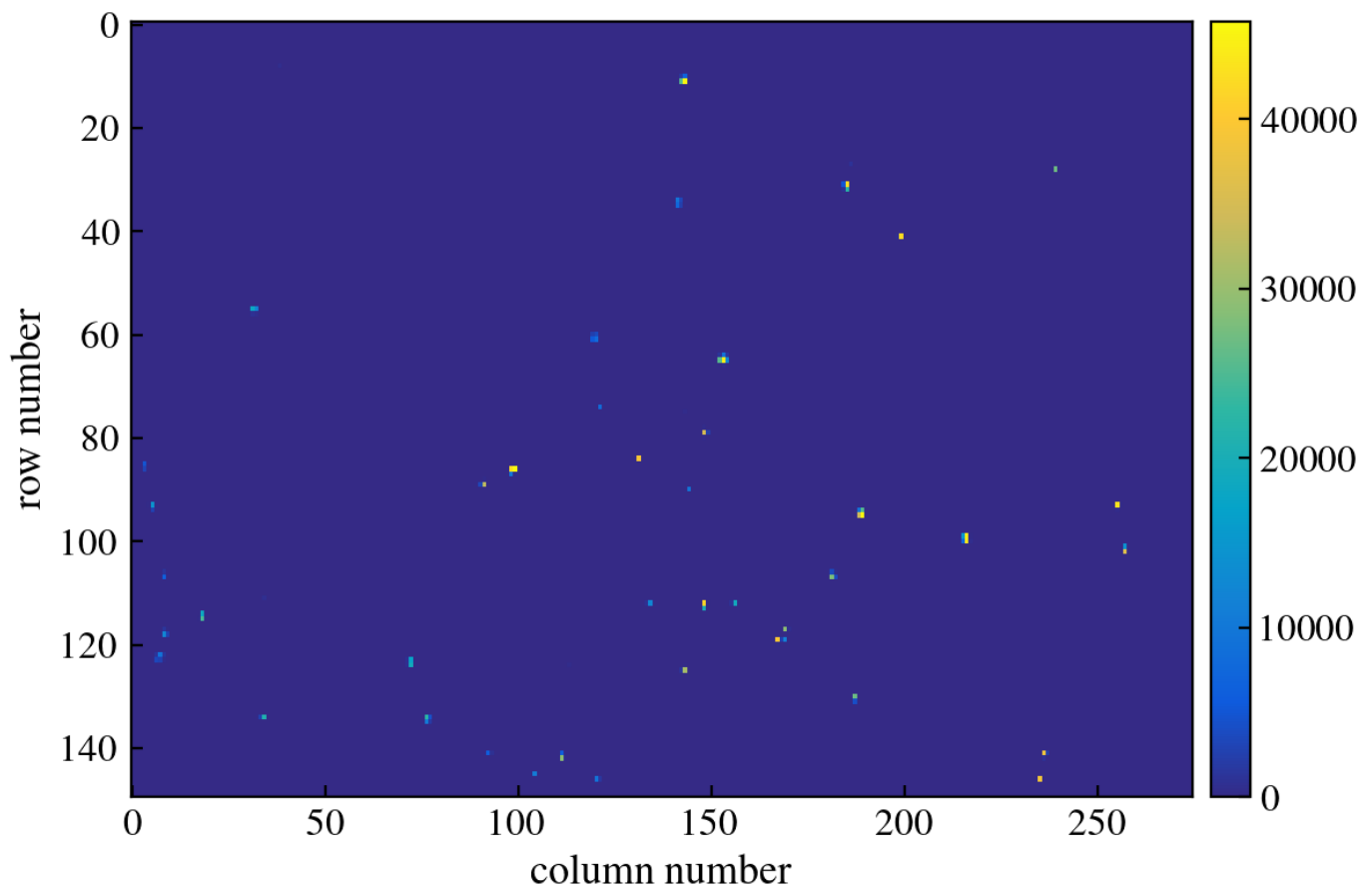


Figure 282: CCD Image

CCD Image: run 454, image 324  
[class MECCDImage]

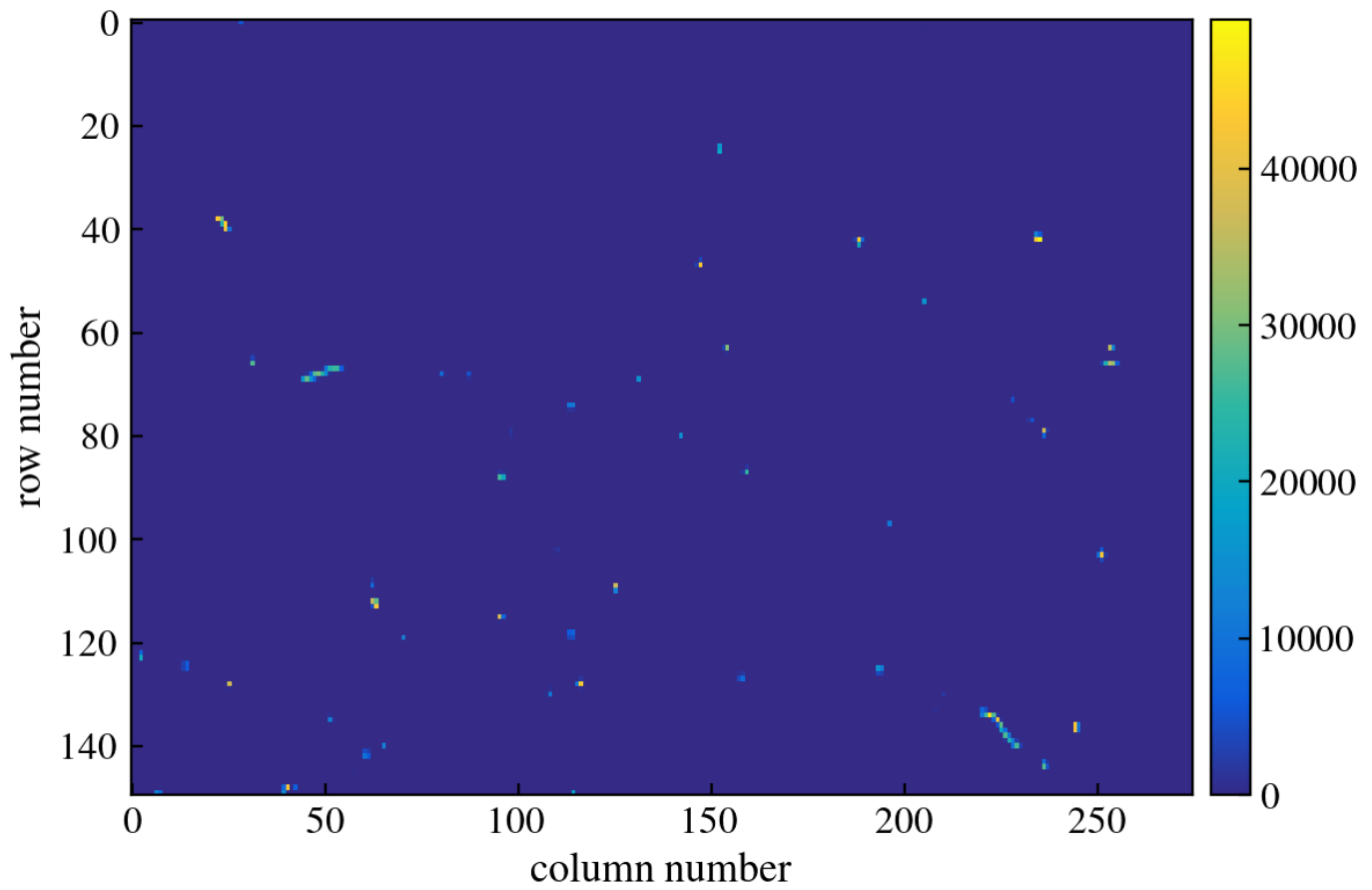


Figure 283: CCD Image

CCD Image: run 454, image 325  
[class MECCDImage]

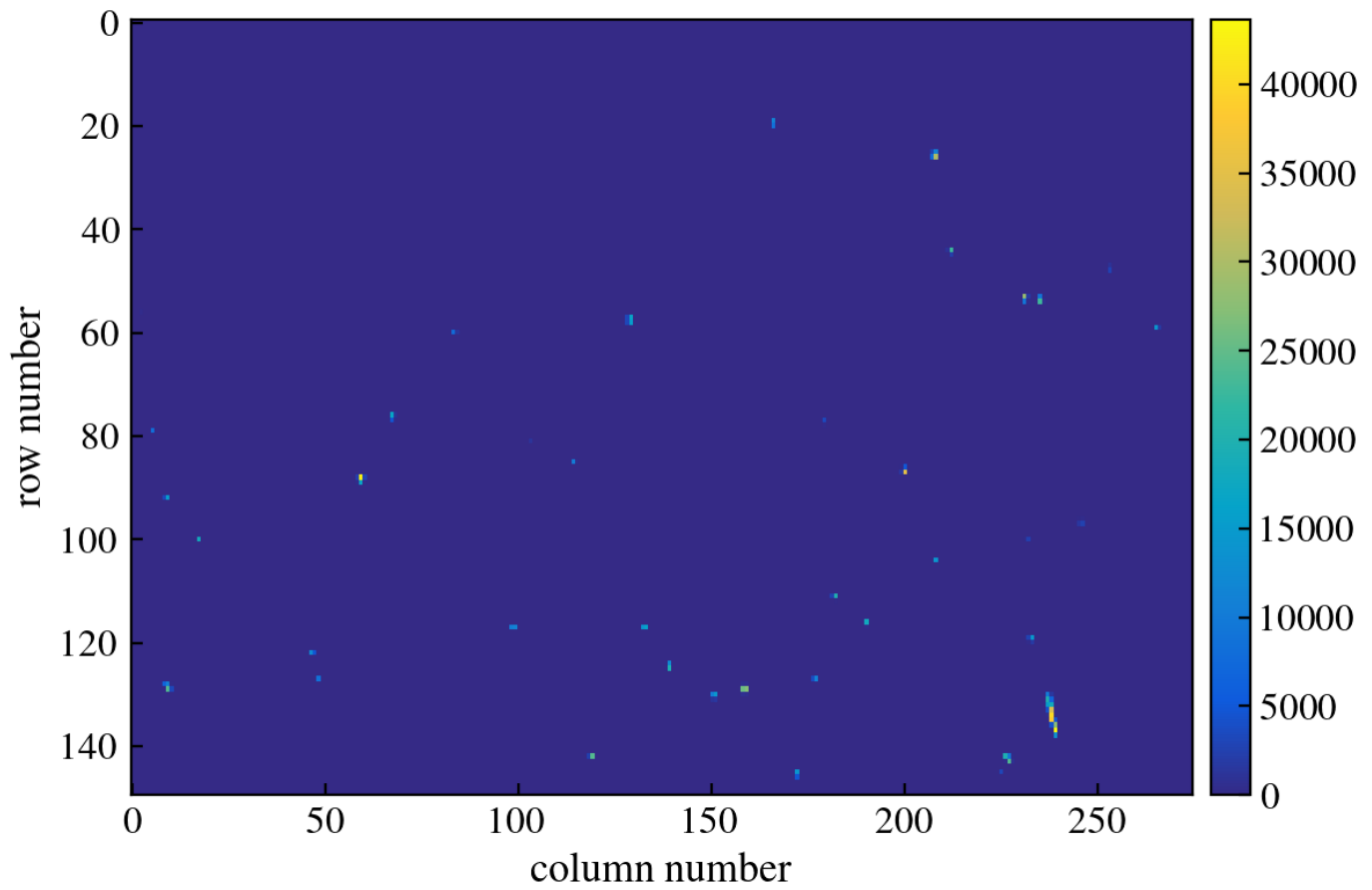


Figure 284: CCD Image

CCD Image: run 454, image 326  
[class MECCDImage]

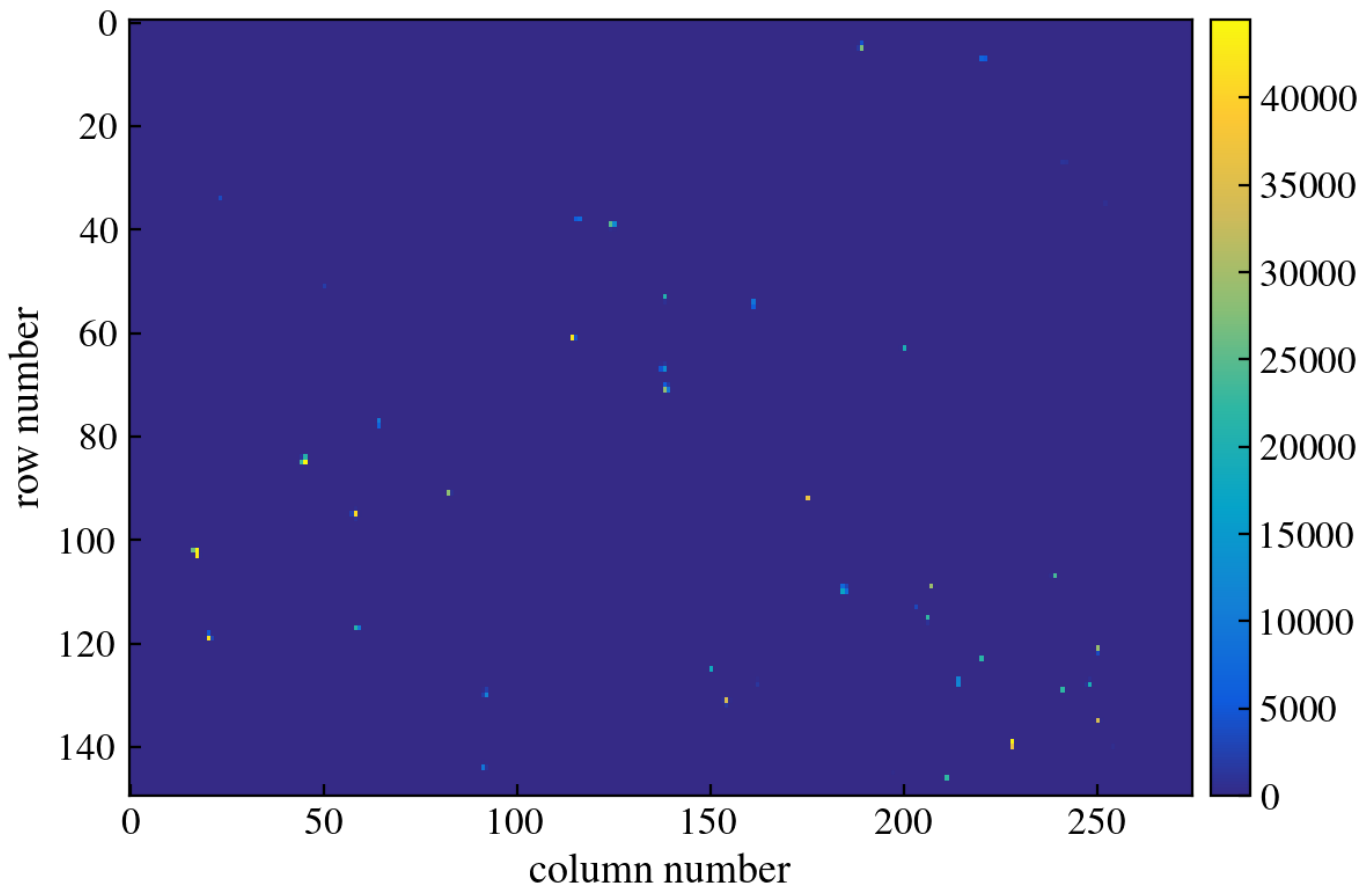


Figure 285: CCD Image

CCD Image: run 454, image 327  
[class MECCDImage]

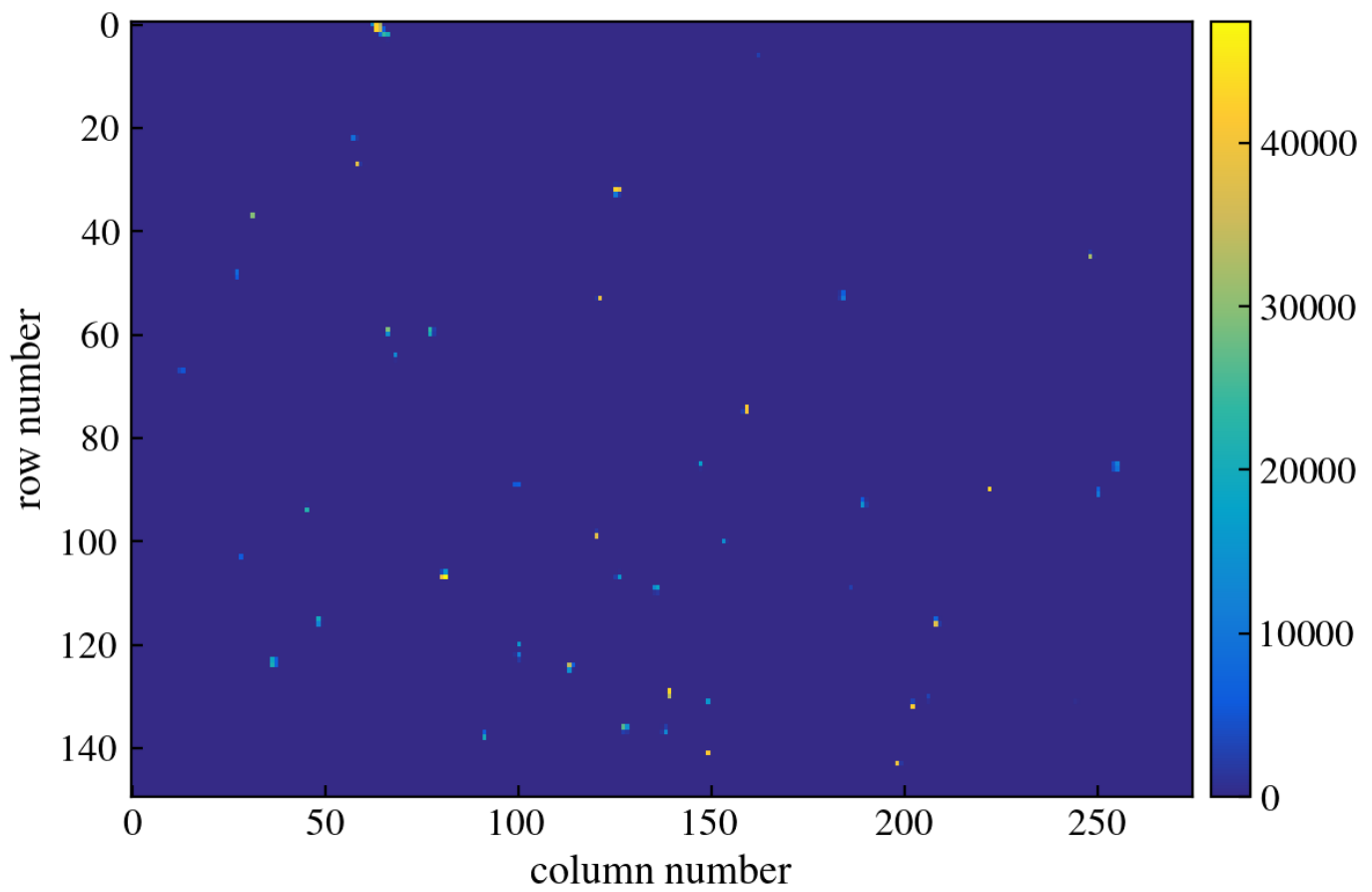


Figure 286: CCD Image

CCD Image: run 454, image 328  
[class MECCDImage]

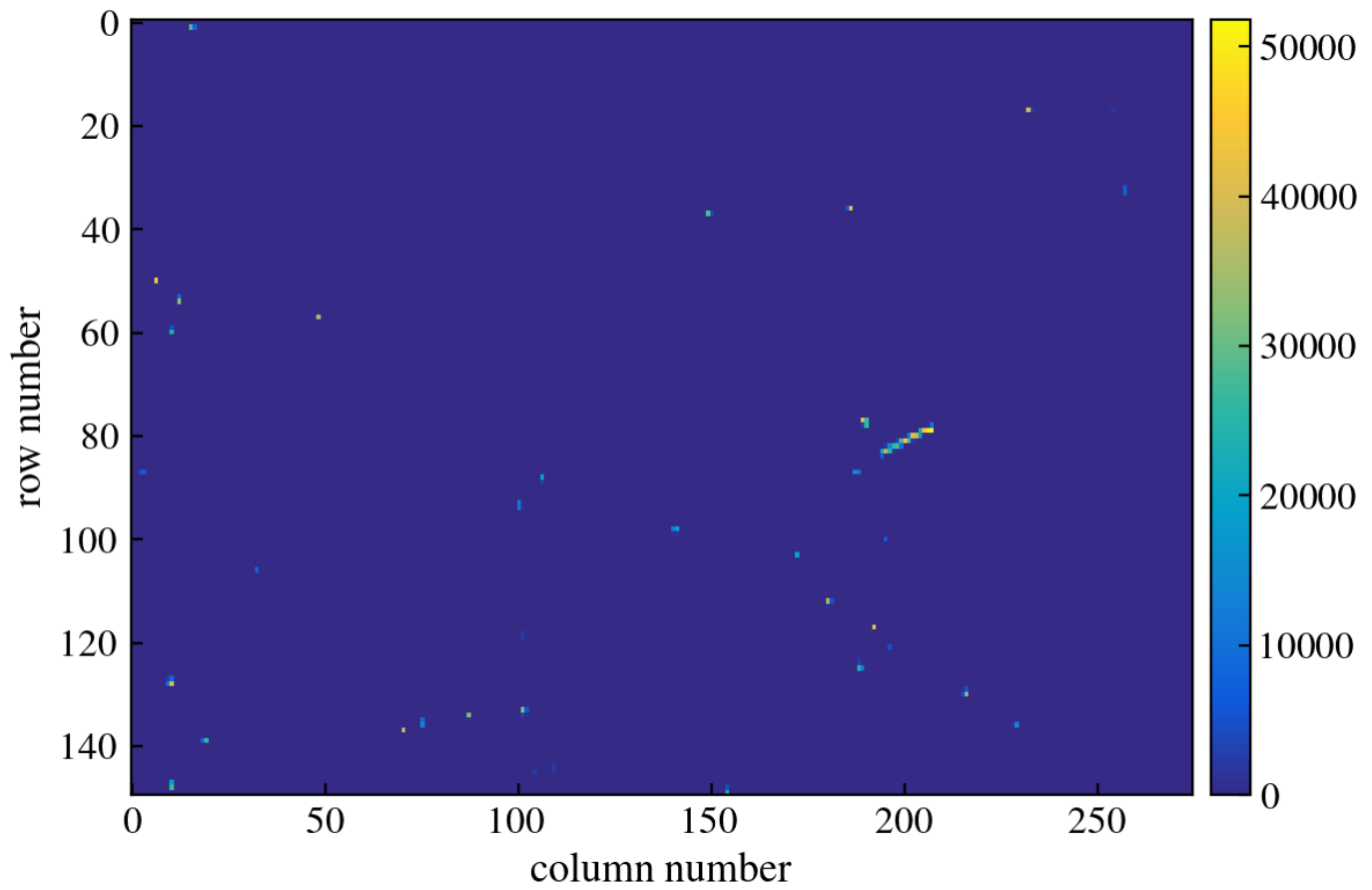


Figure 287: CCD Image



CCD Image: run 454, image 329  
[class MECCDImage]

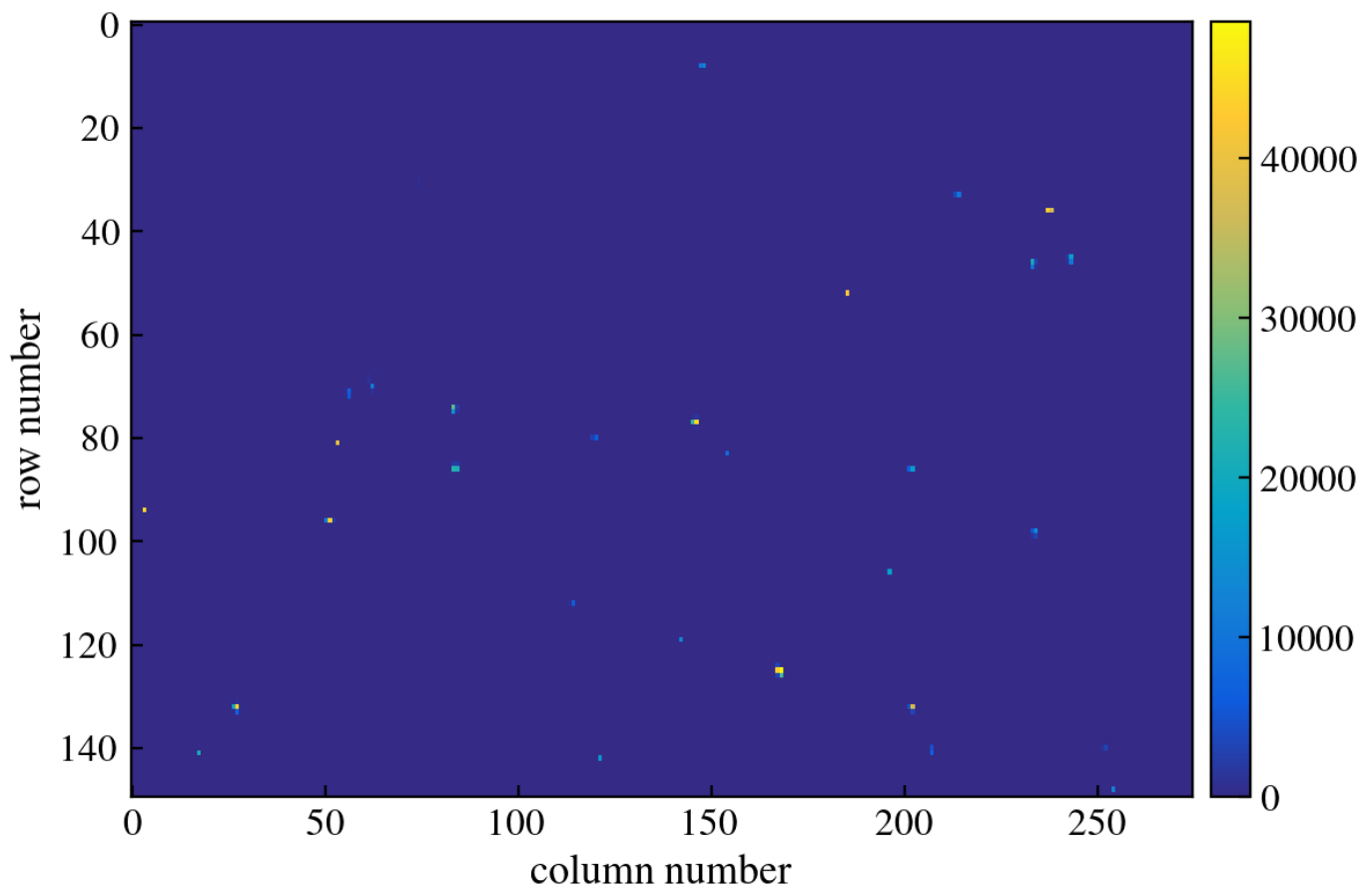


Figure 288: CCD Image

CCD Image: run 454, image 33  
[class MECCDImage]

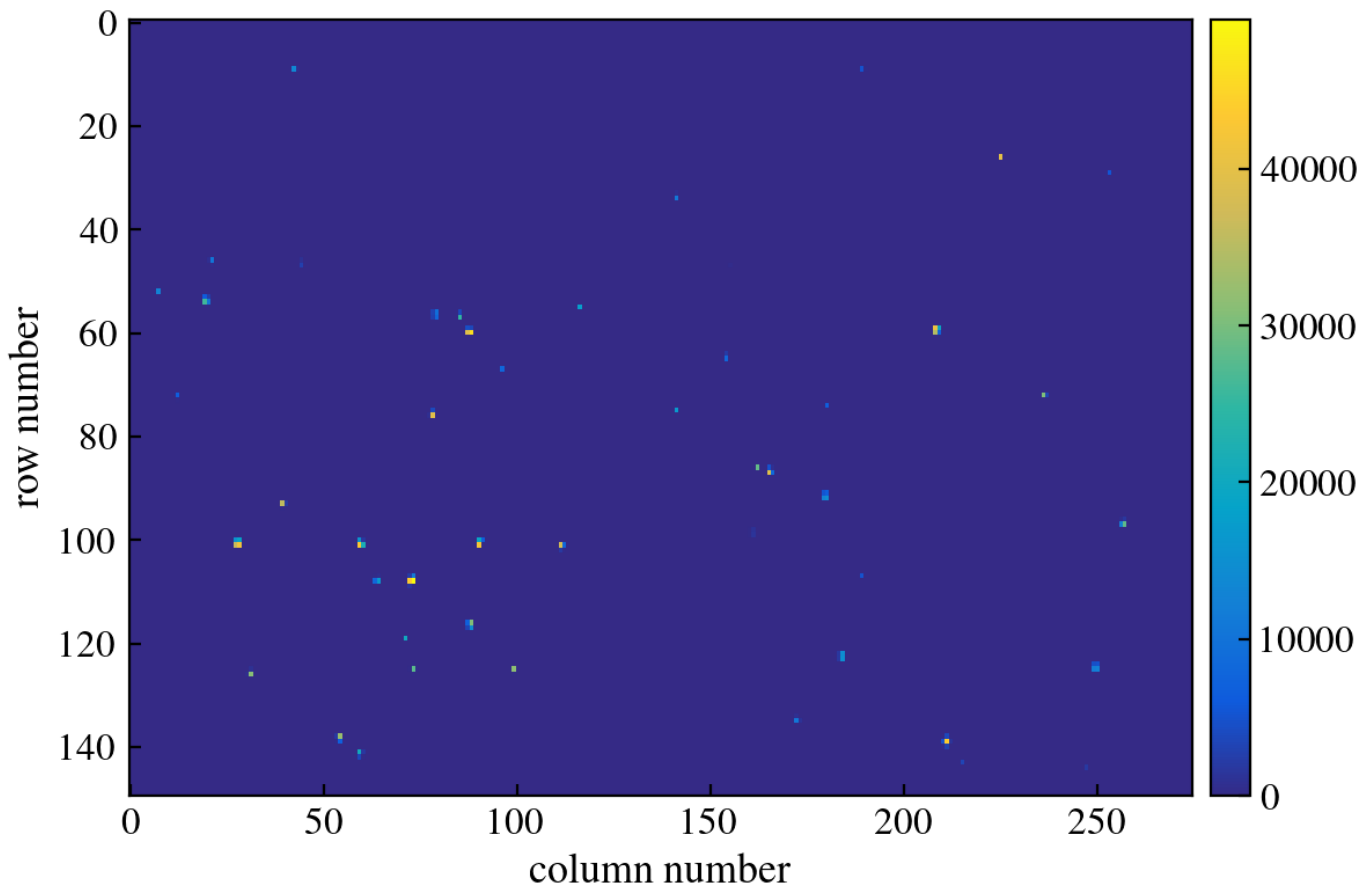


Figure 289: CCD Image

CCD Image: run 454, image 330  
[class MECCDImage]

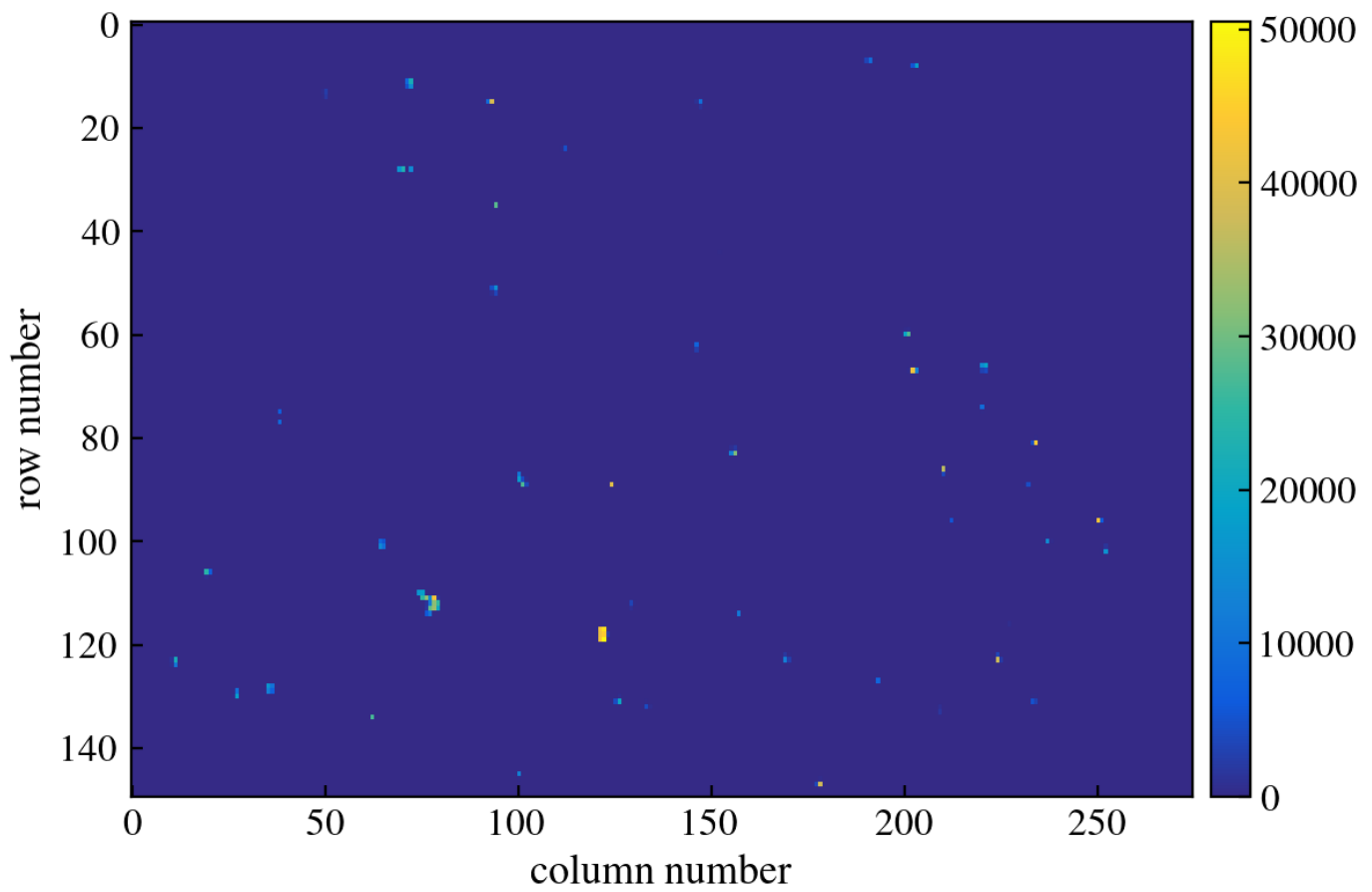


Figure 290: CCD Image

CCD Image: run 454, image 331  
[class MECCDImage]

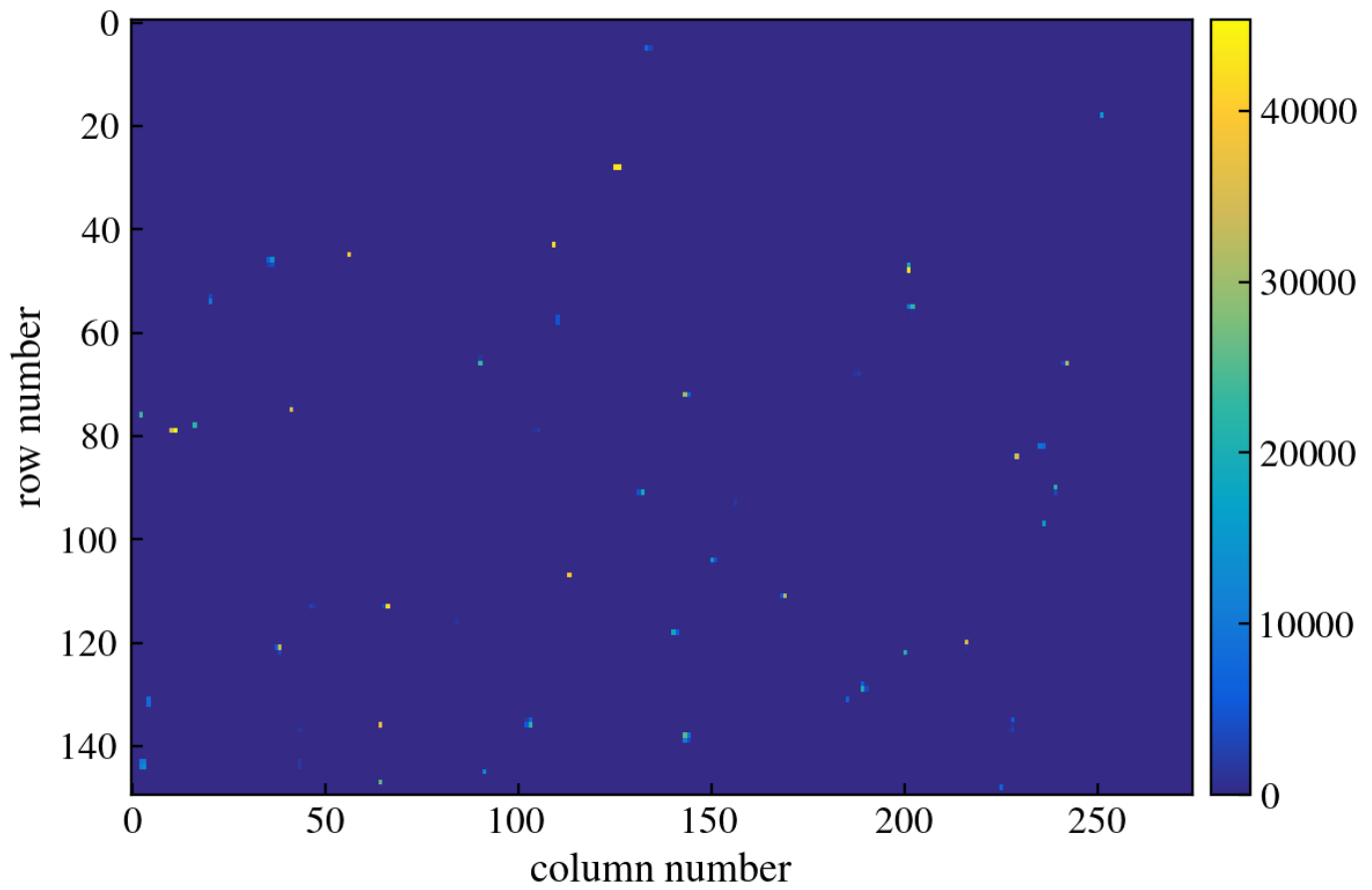


Figure 291: CCD Image

CCD Image: run 454, image 332  
[class MECCDImage]

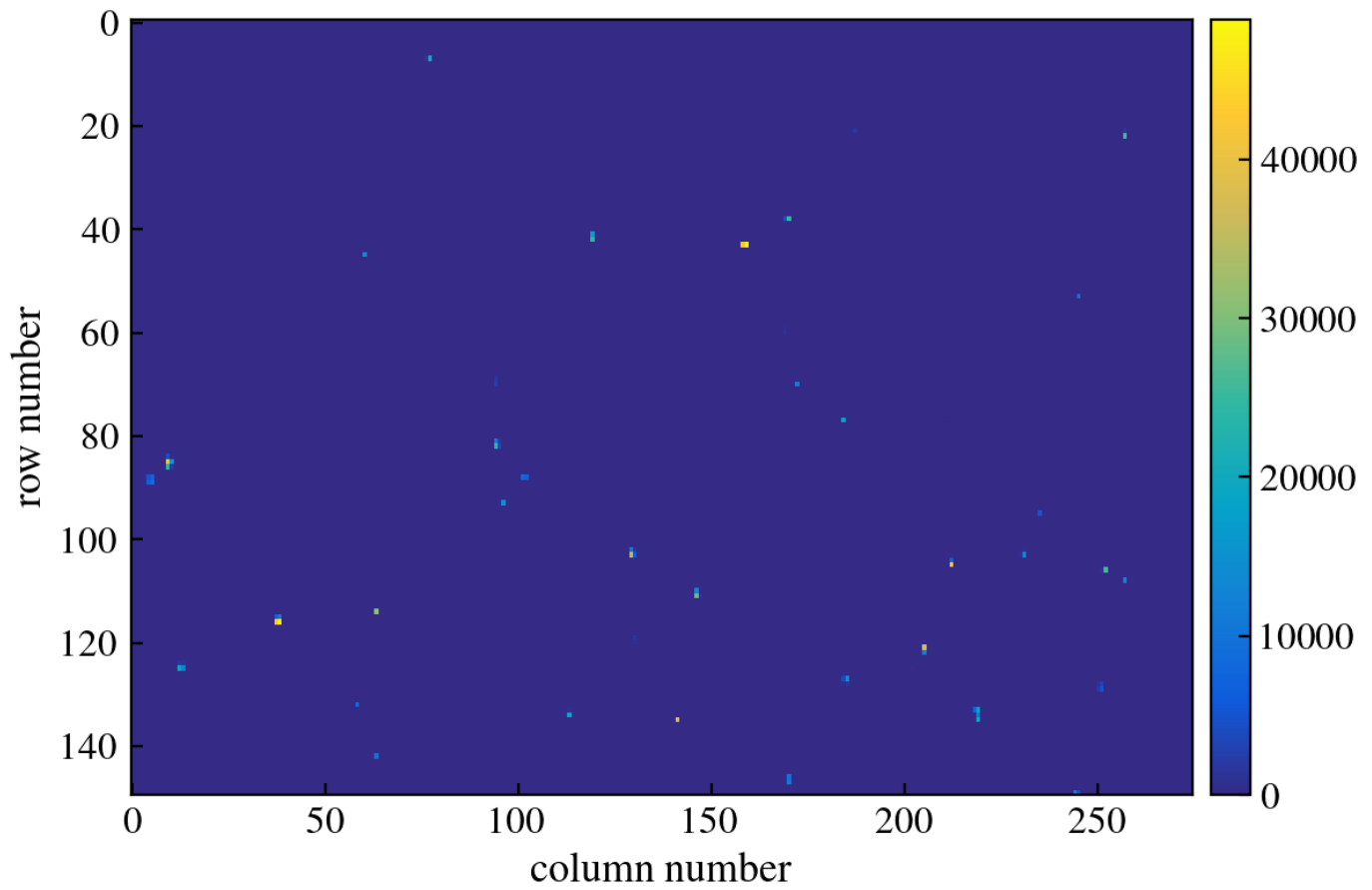


Figure 292: CCD Image

CCD Image: run 454, image 333  
[class MECCDImage]

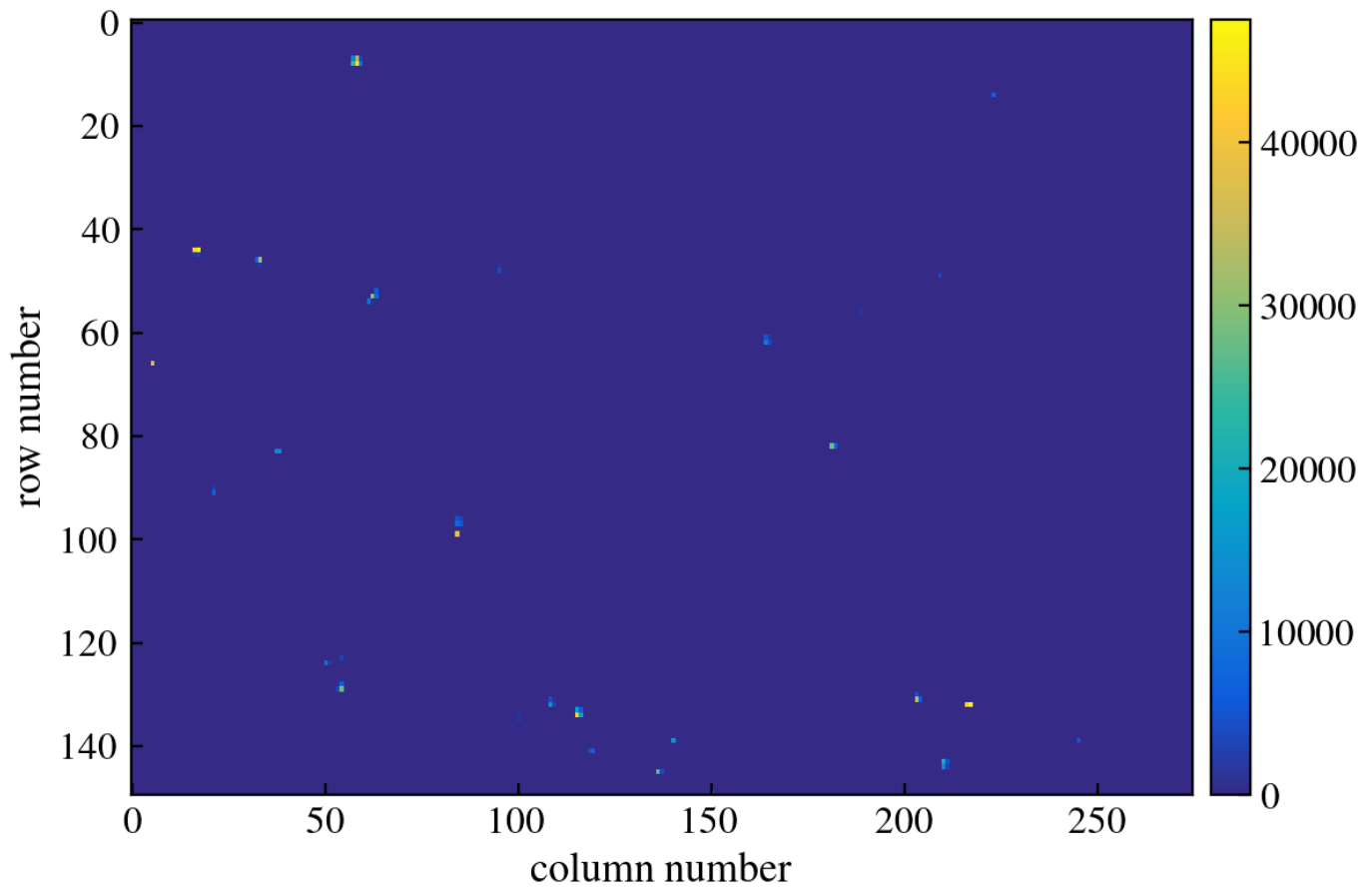


Figure 293: CCD Image

CCD Image: run 454, image 334  
[class MECCDImage]

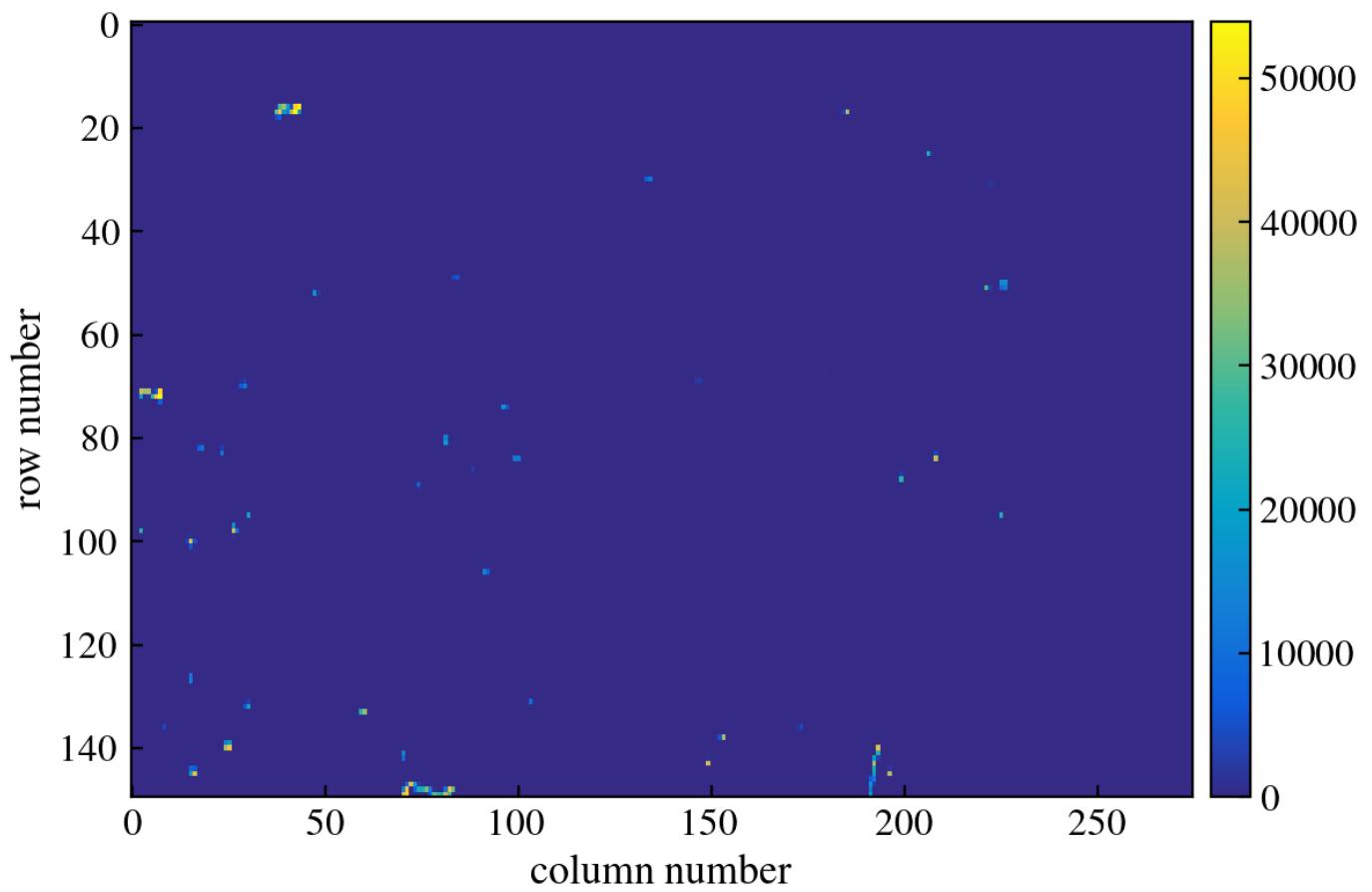


Figure 294: CCD Image

CCD Image: run 454, image 335  
[class MECCDImage]

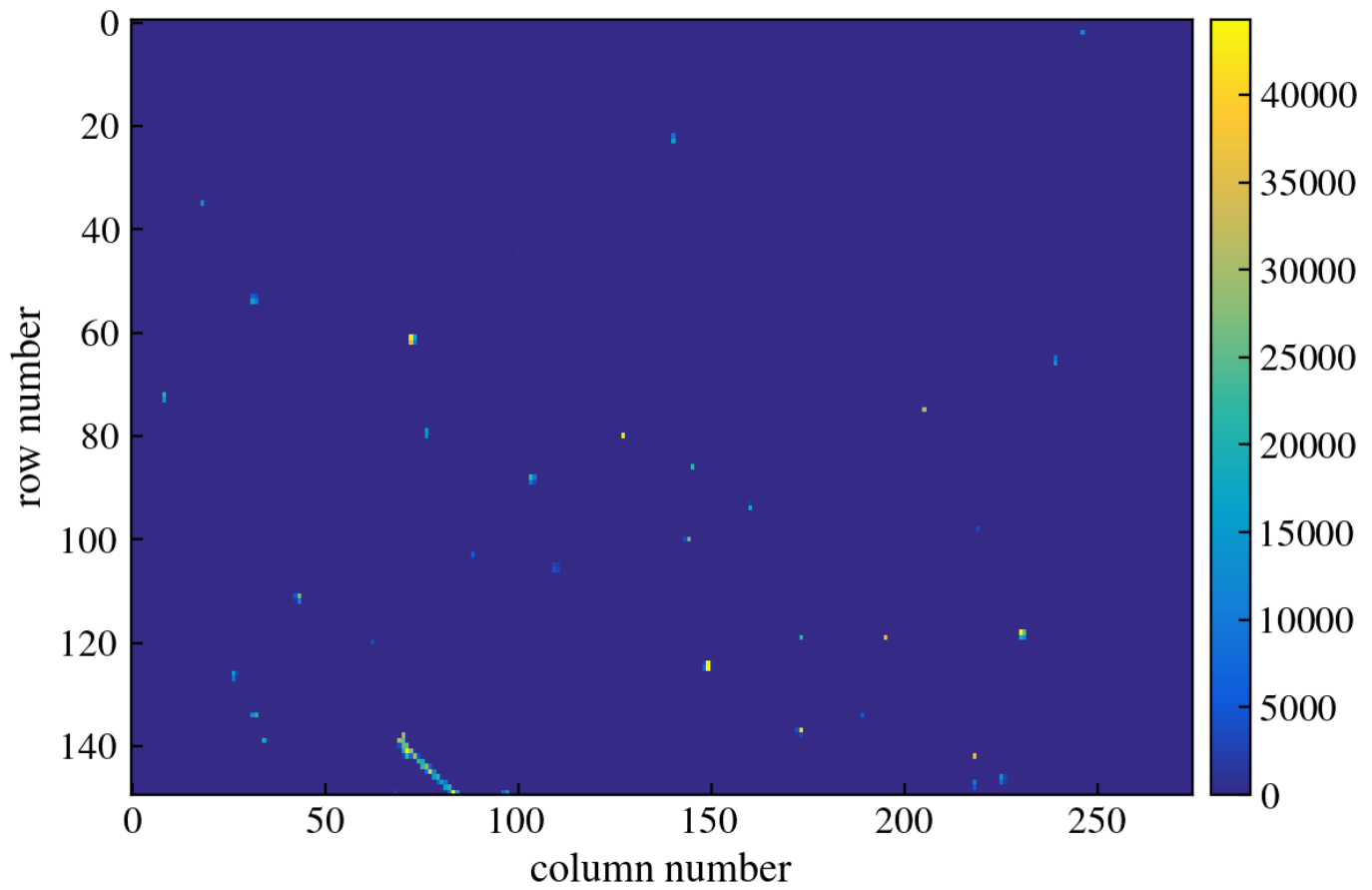


Figure 295: CCD Image



CCD Image: run 454, image 336  
[class MECCDImage]

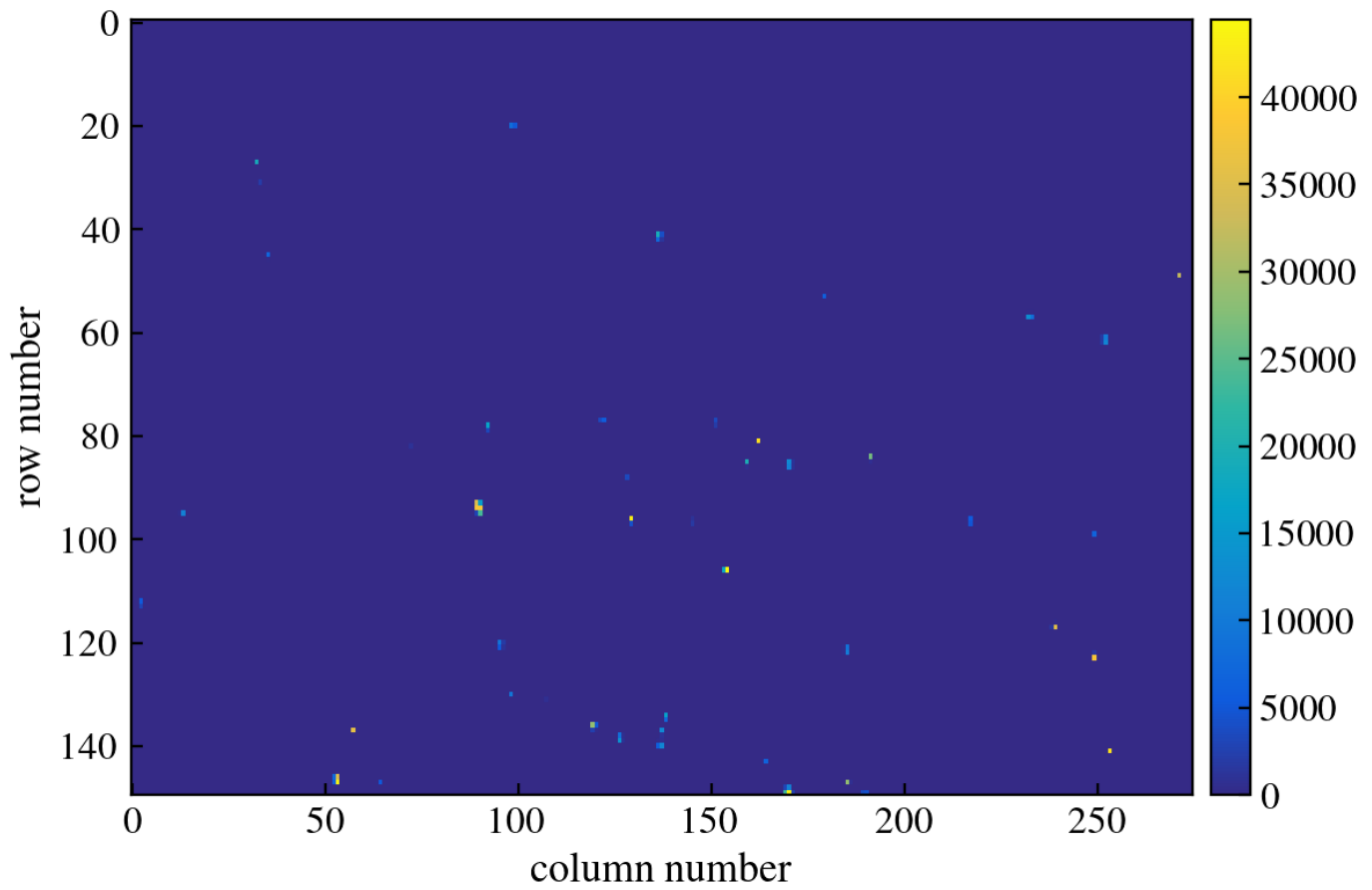


Figure 296: CCD Image

CCD Image: run 454, image 337  
[class MECCDImage]

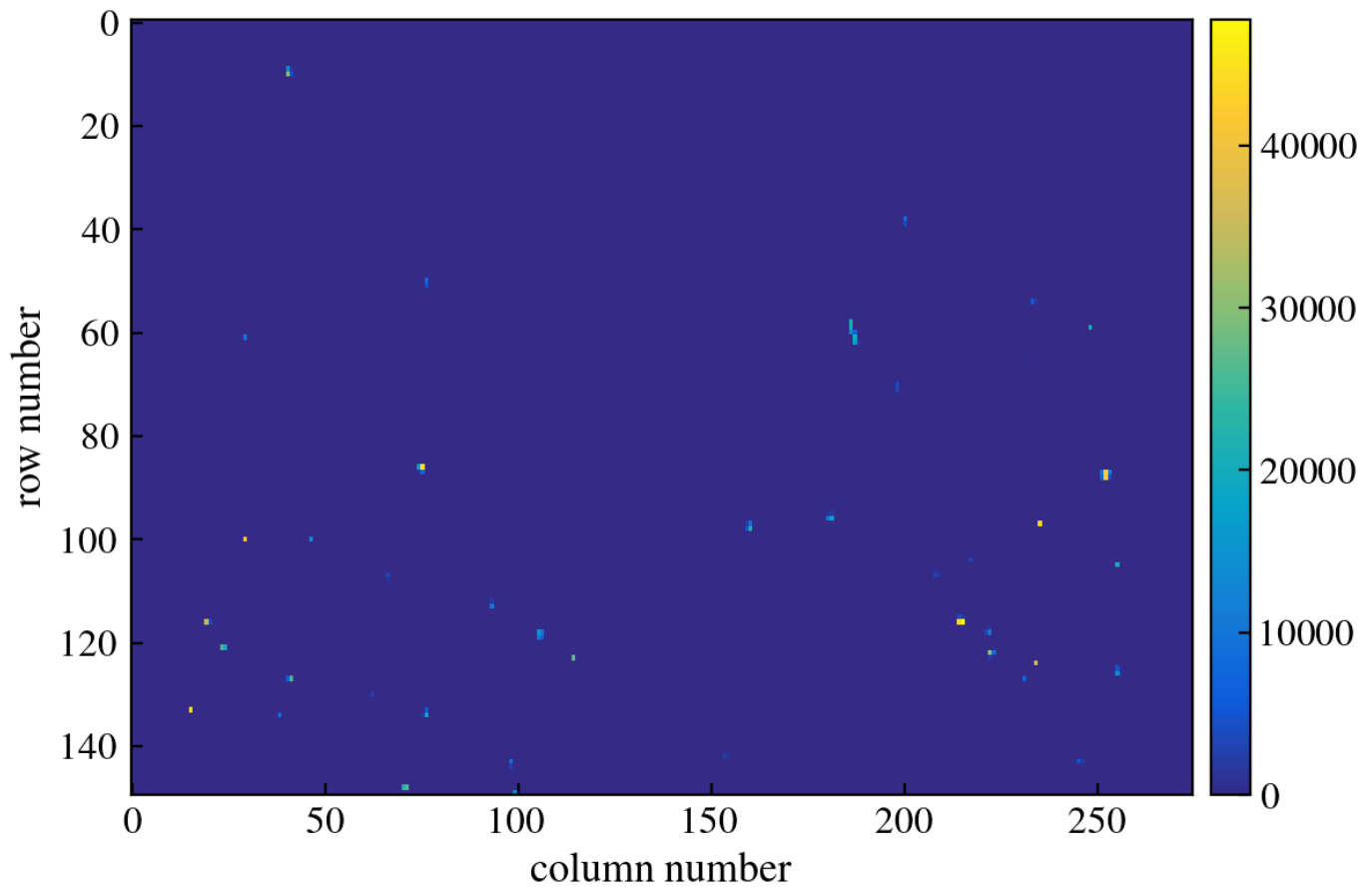


Figure 297: CCD Image

CCD Image: run 454, image 338  
[class MECCDImage]

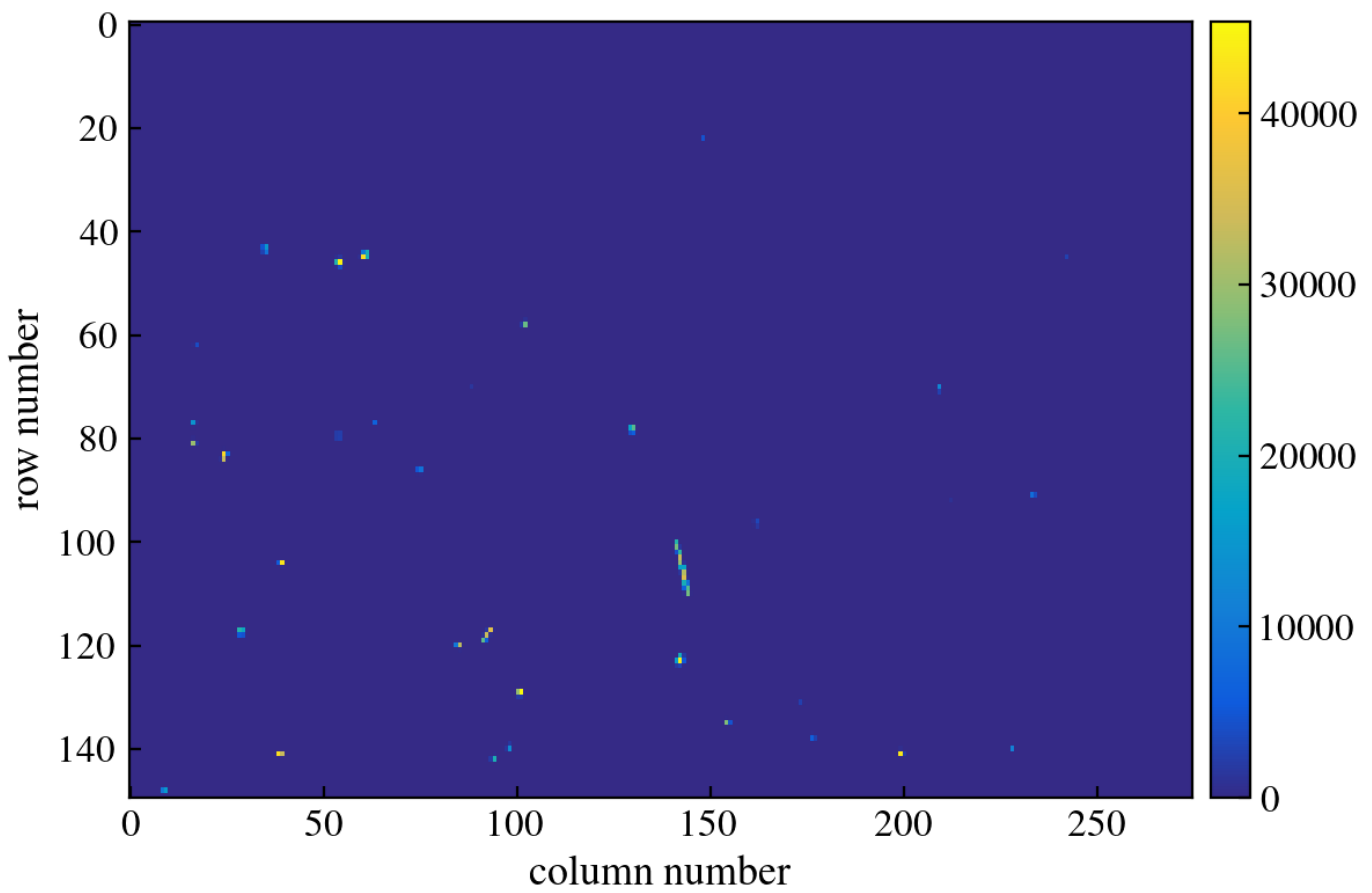


Figure 298: CCD Image

CCD Image: run 454, image 339  
[class MECCDImage]

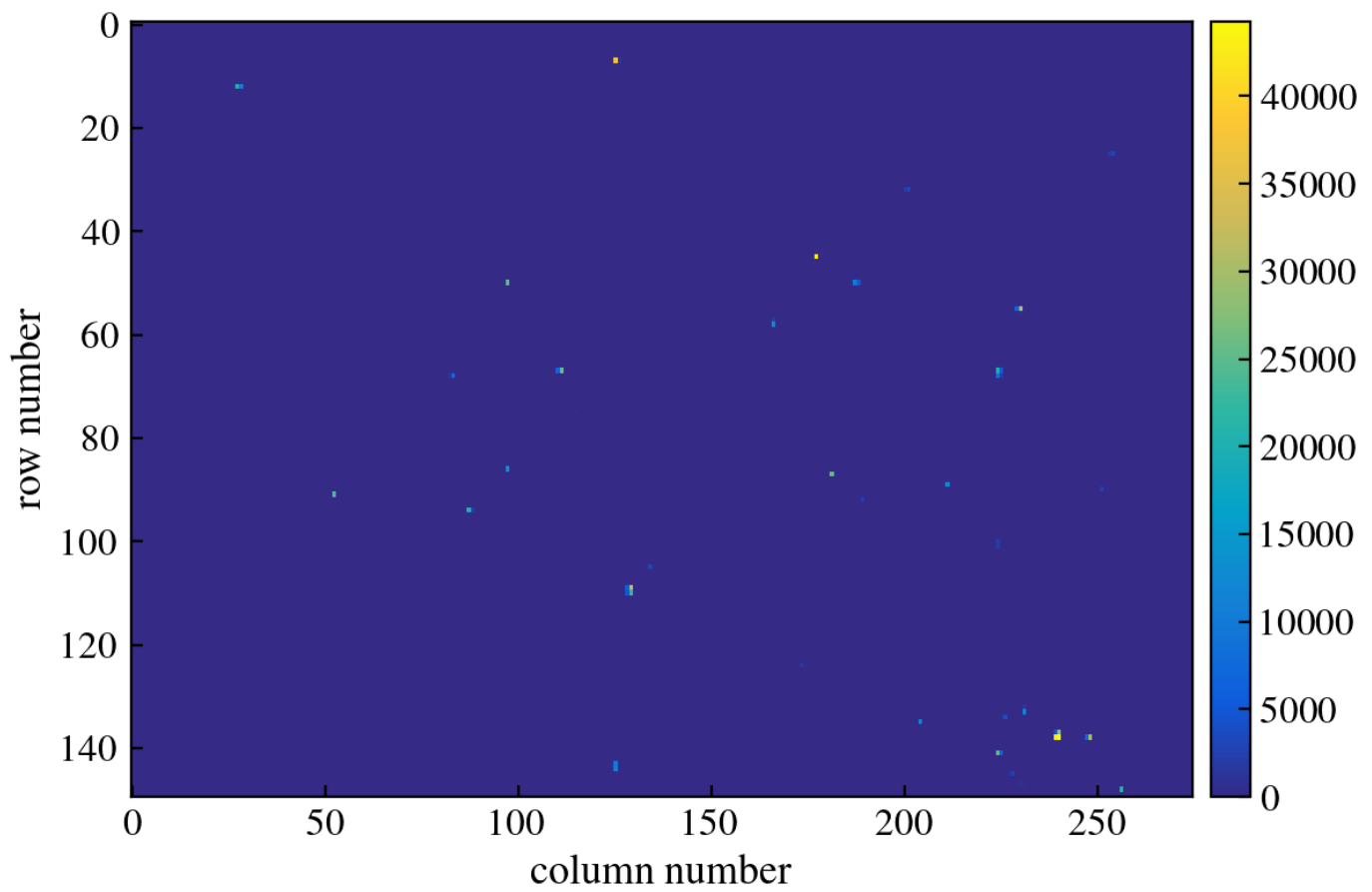


Figure 299: CCD Image

CCD Image: run 454, image 34  
[class MECCDImage]

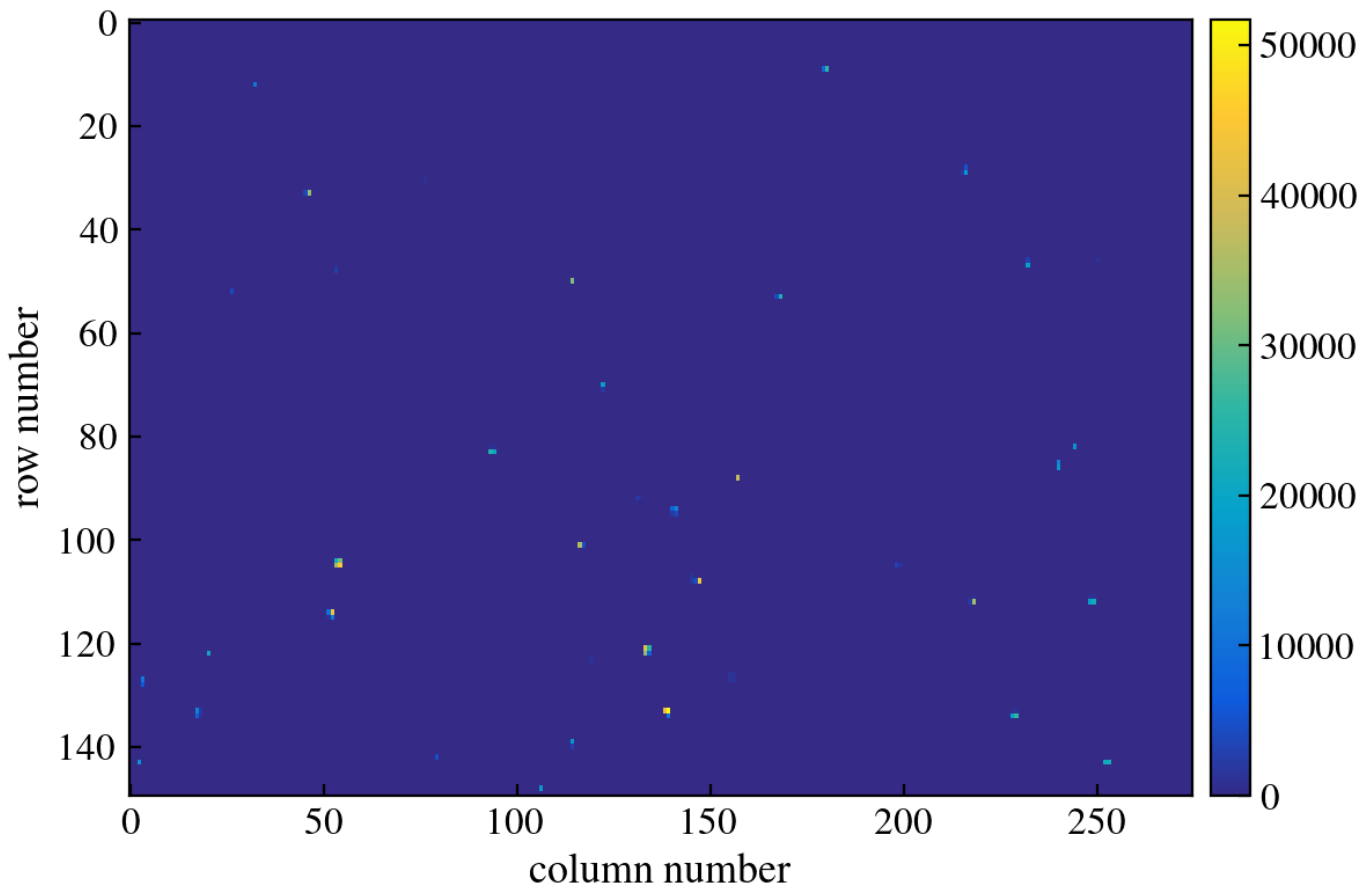


Figure 300: CCD Image

CCD Image: run 454, image 340  
[class MECCDImage]

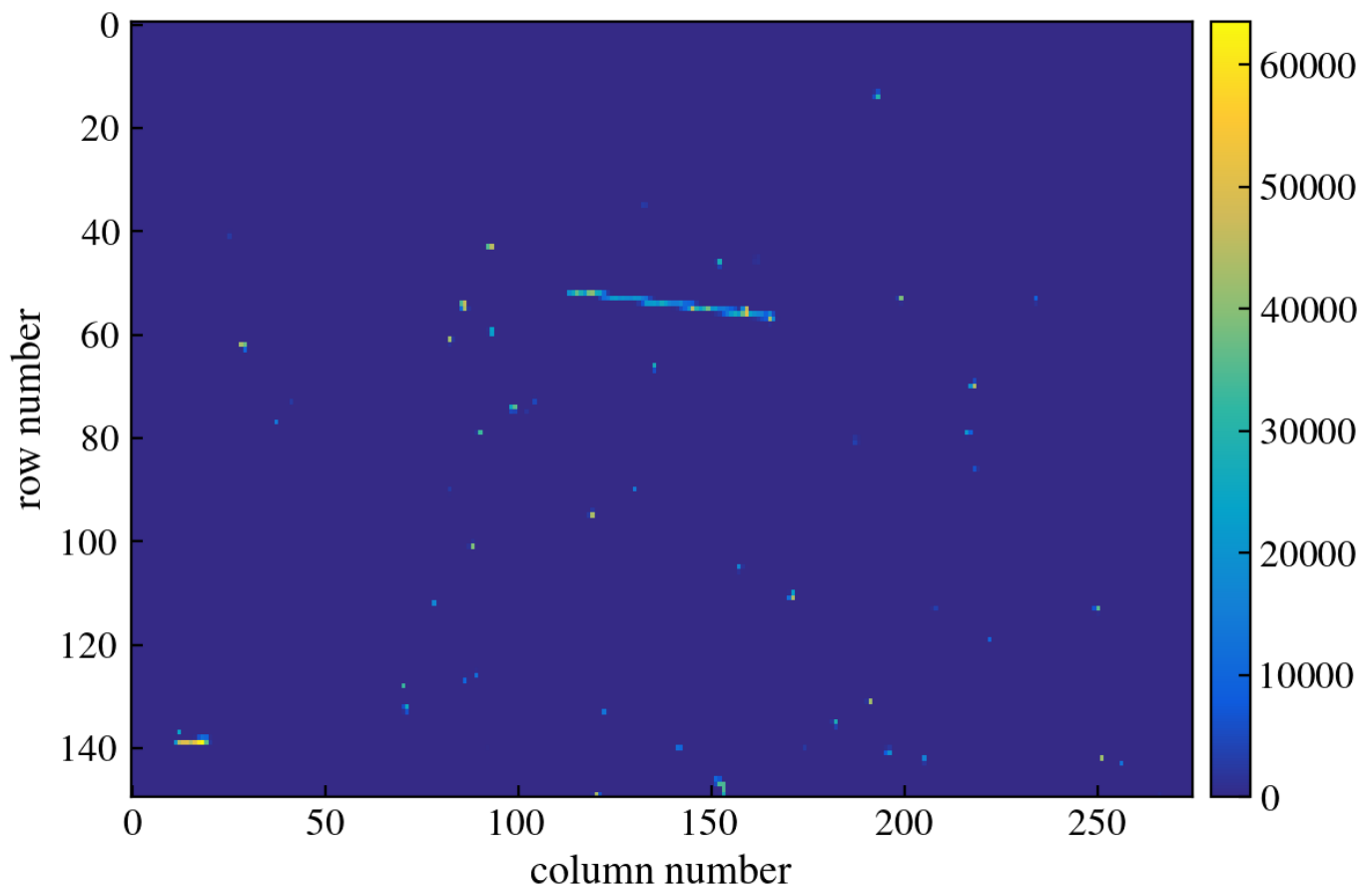


Figure 301: CCD Image

CCD Image: run 454, image 341  
[class MECCDImage]

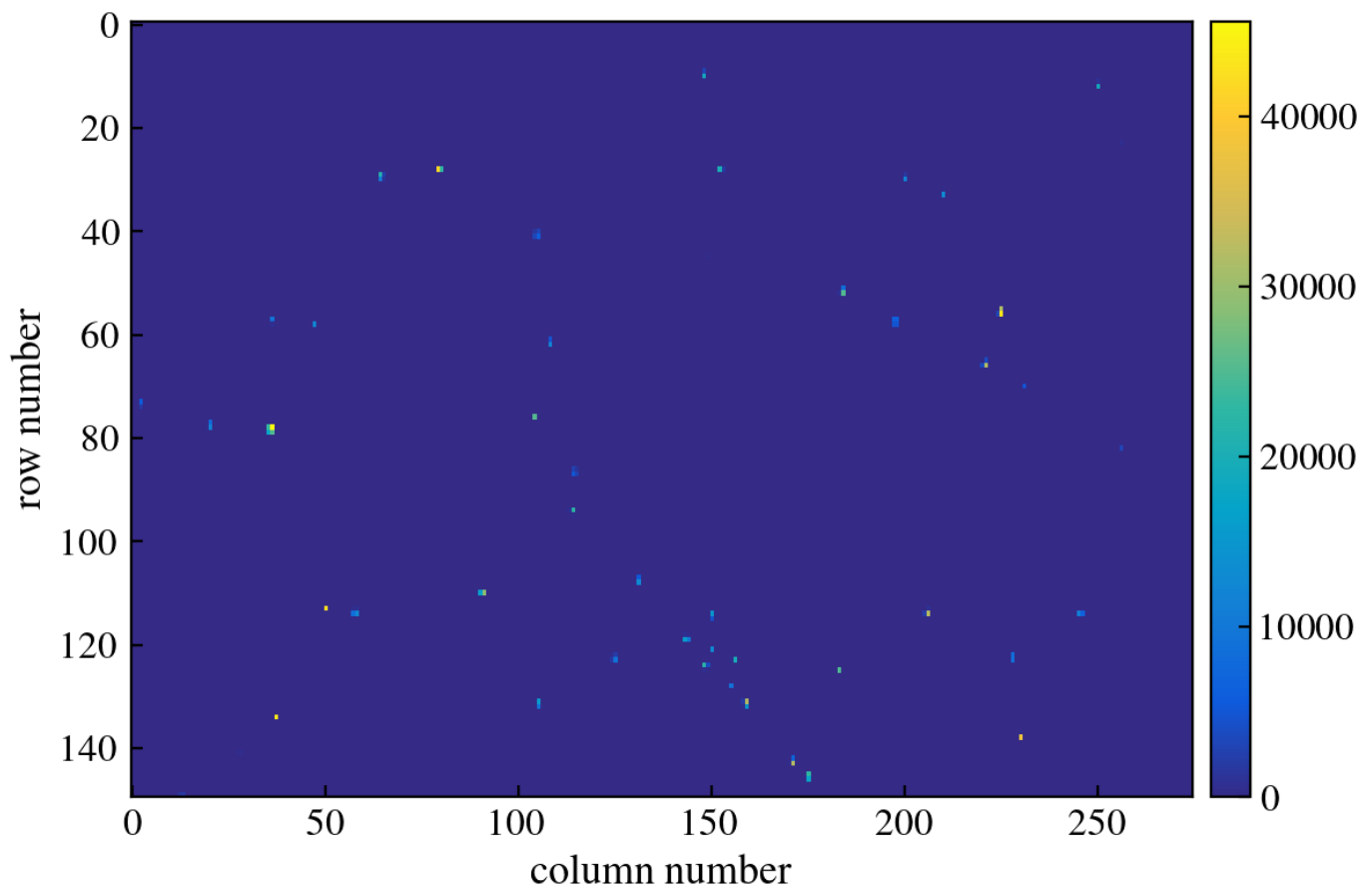


Figure 302: CCD Image

CCD Image: run 454, image 342  
[class MECCDImage]

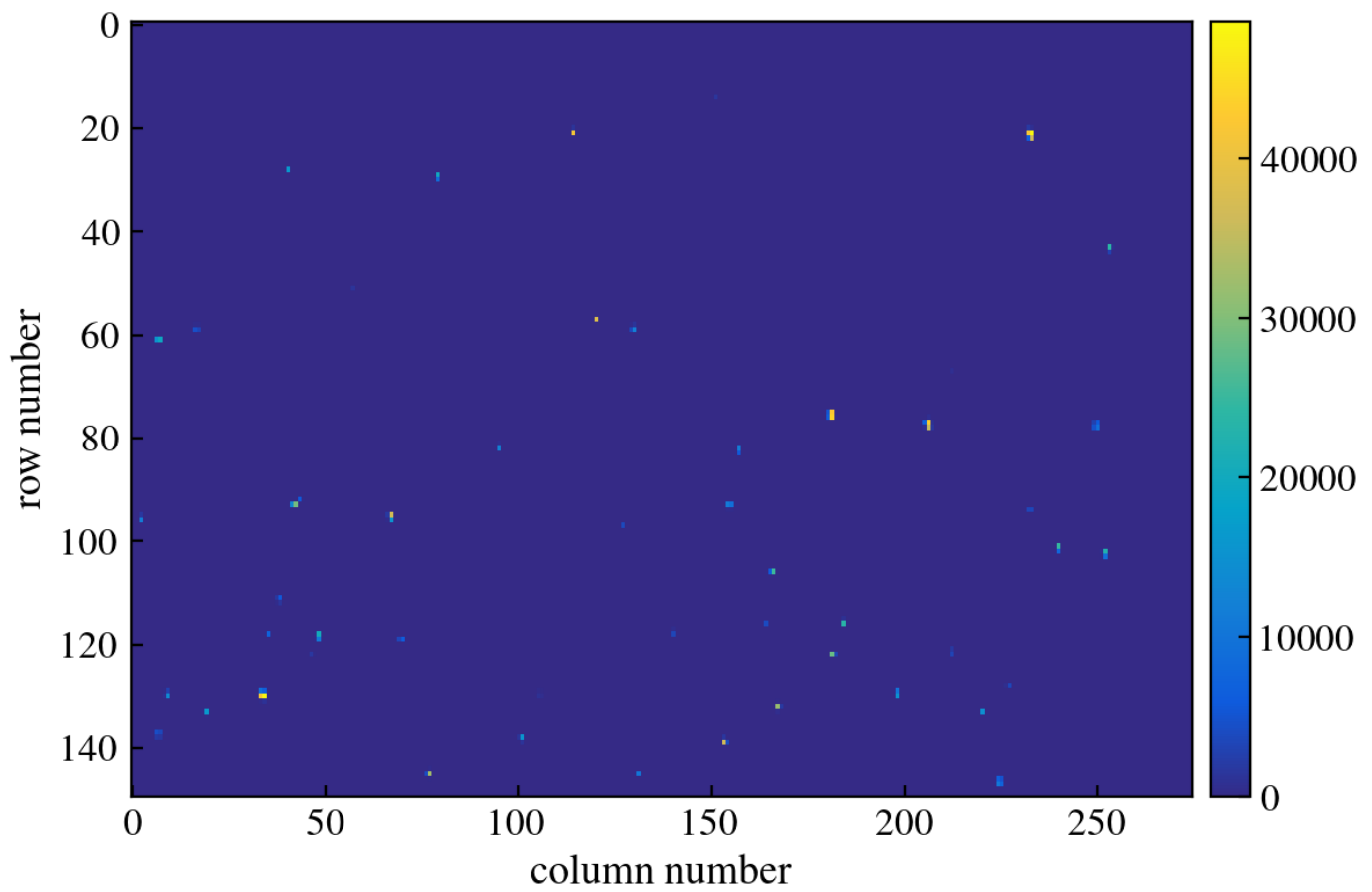


Figure 303: CCD Image



CCD Image: run 454, image 343  
[class MECCDImage]

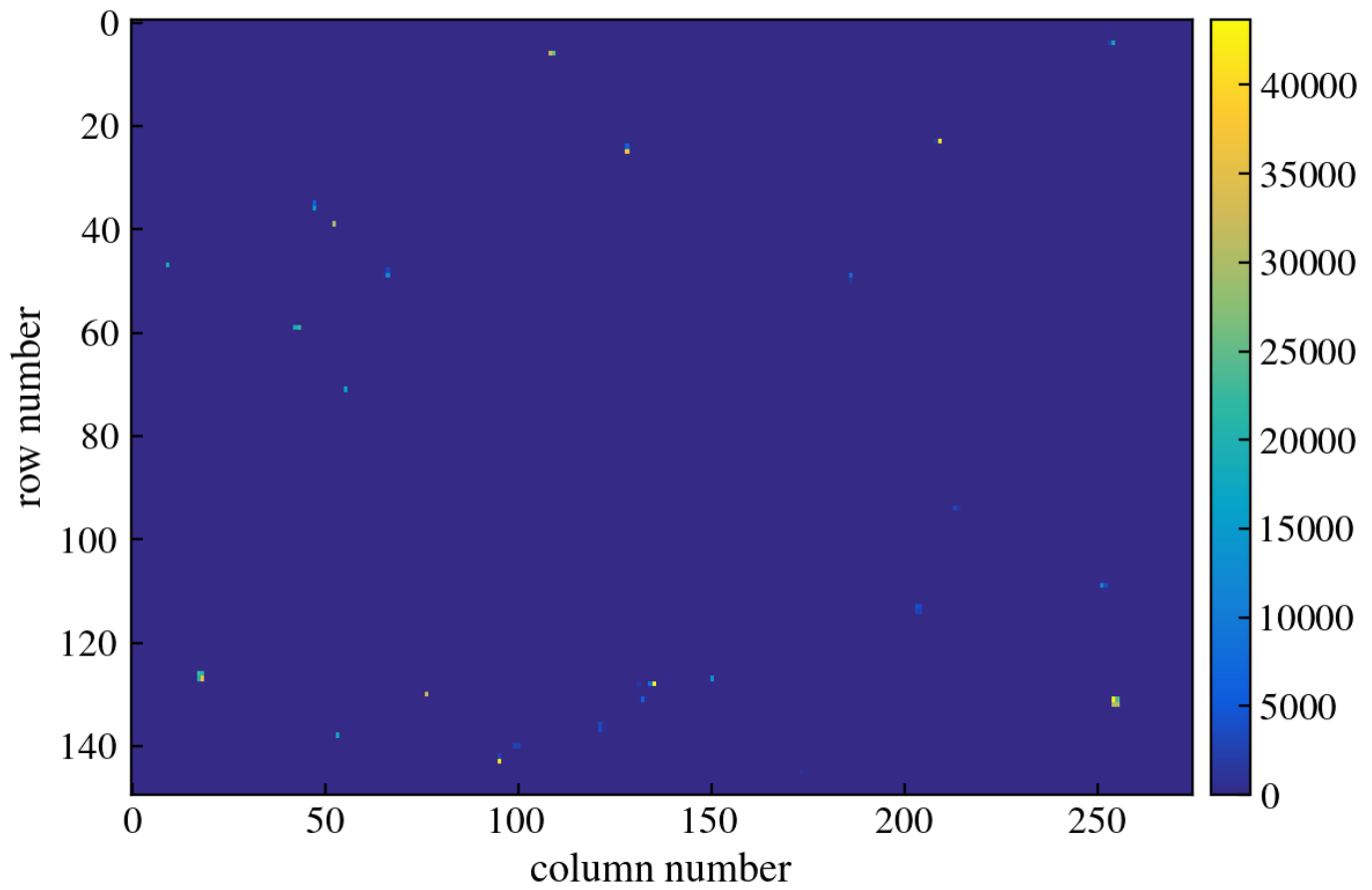


Figure 304: CCD Image

CCD Image: run 454, image 344  
[class MECCDImage]

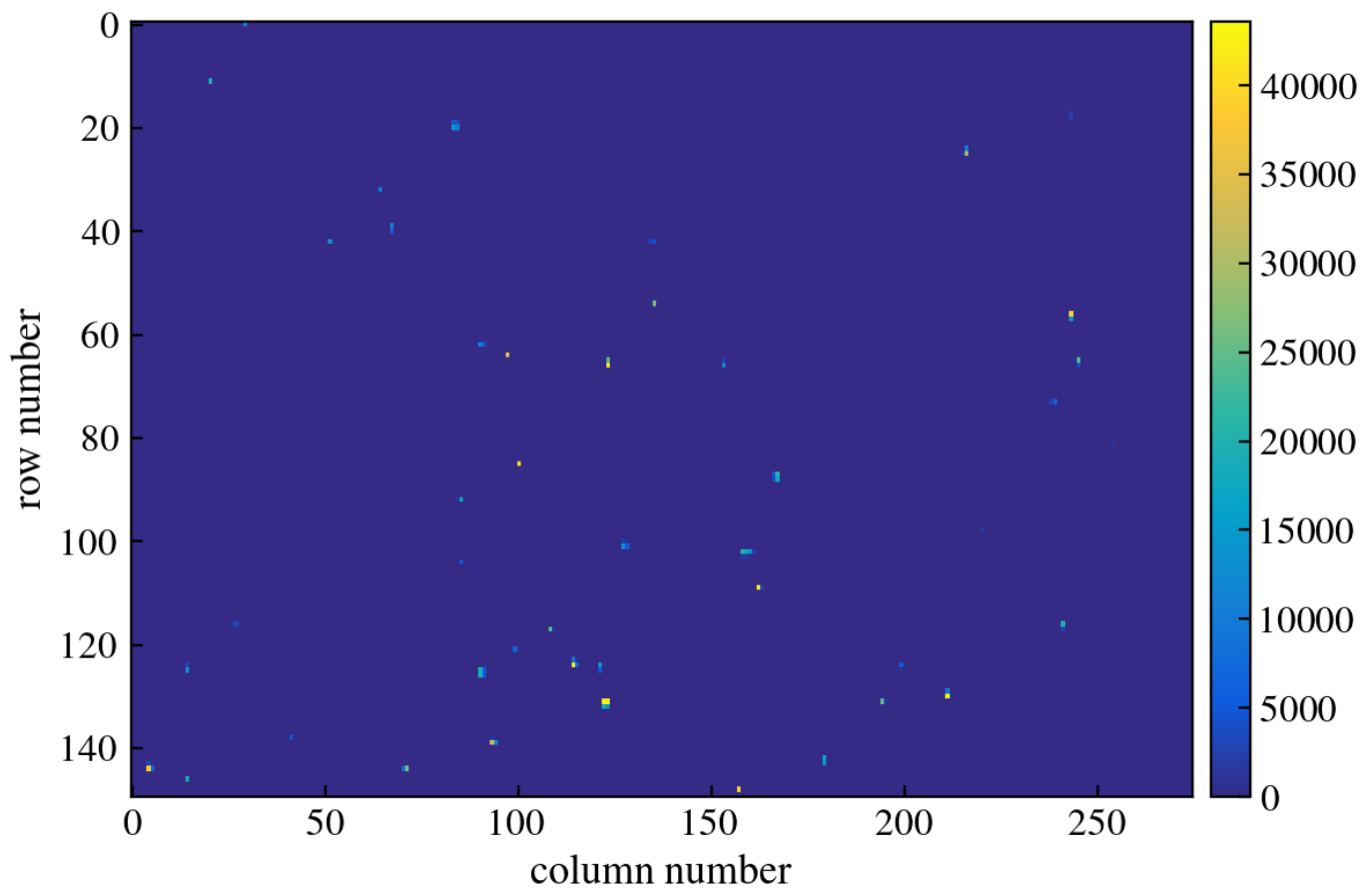


Figure 305: CCD Image

CCD Image: run 454, image 345  
[class MECCDImage]

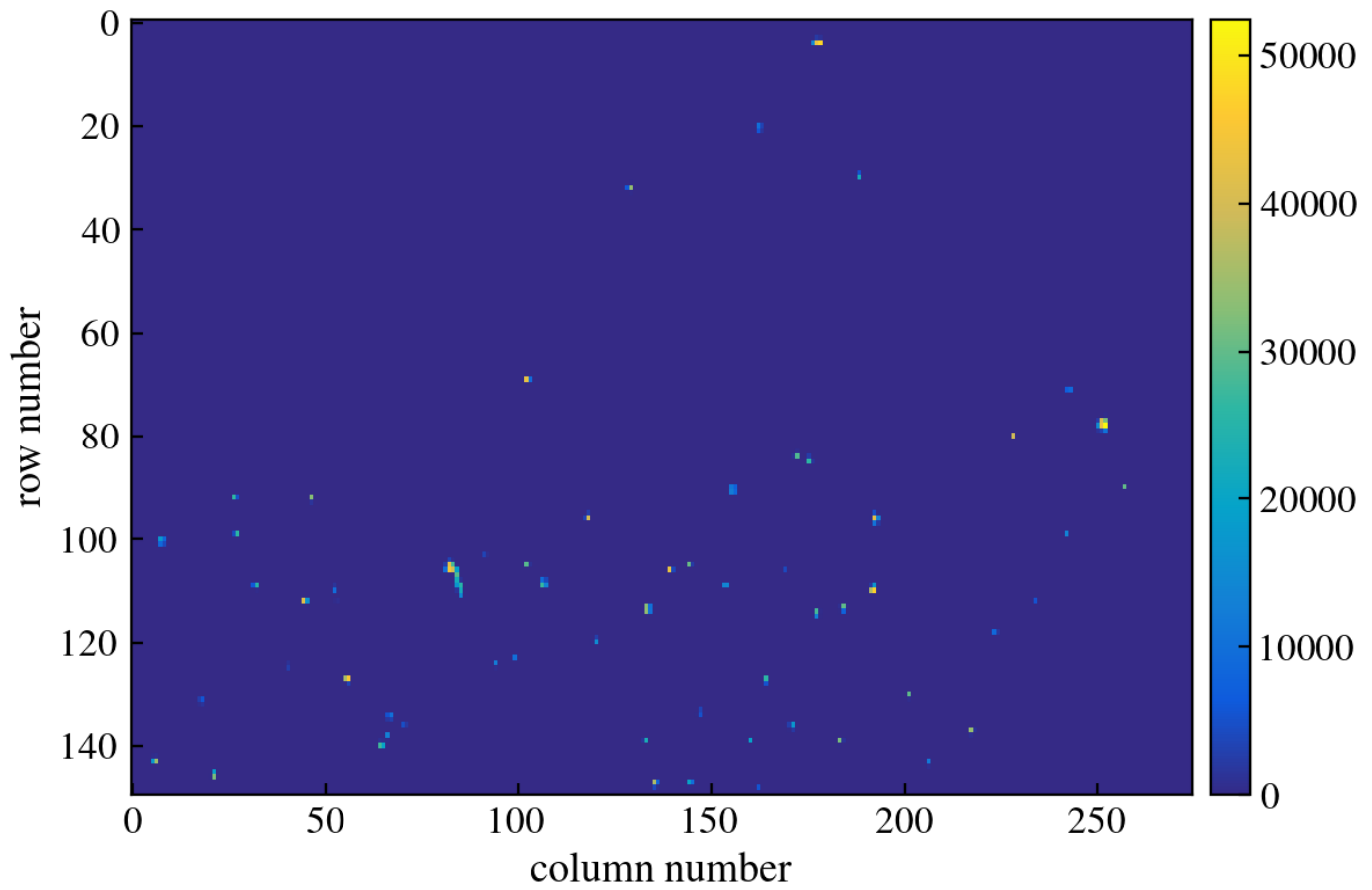


Figure 306: CCD Image

CCD Image: run 454, image 346  
[class MECCDImage]

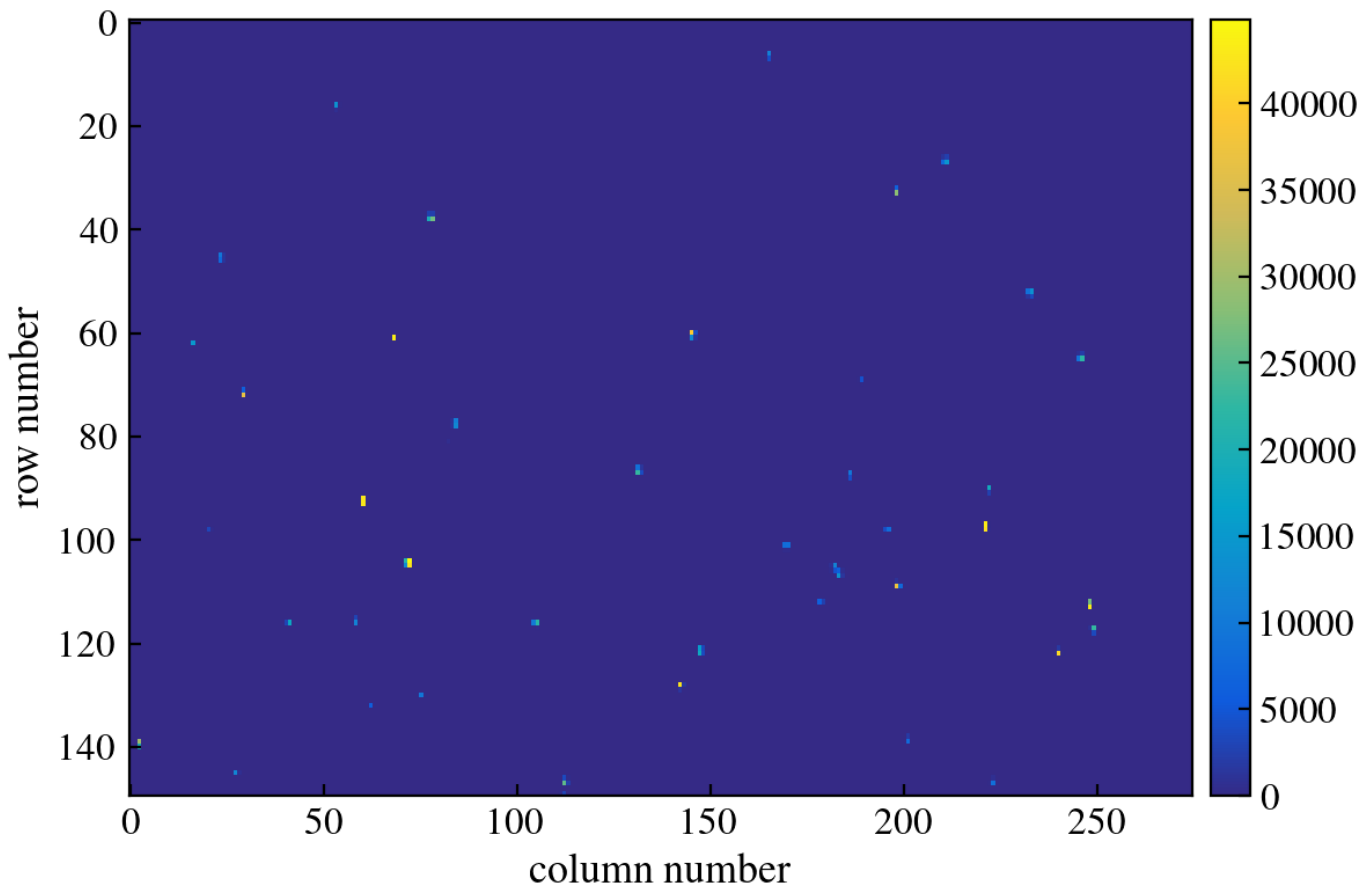


Figure 307: CCD Image

CCD Image: run 454, image 347  
[class MECCDImage]

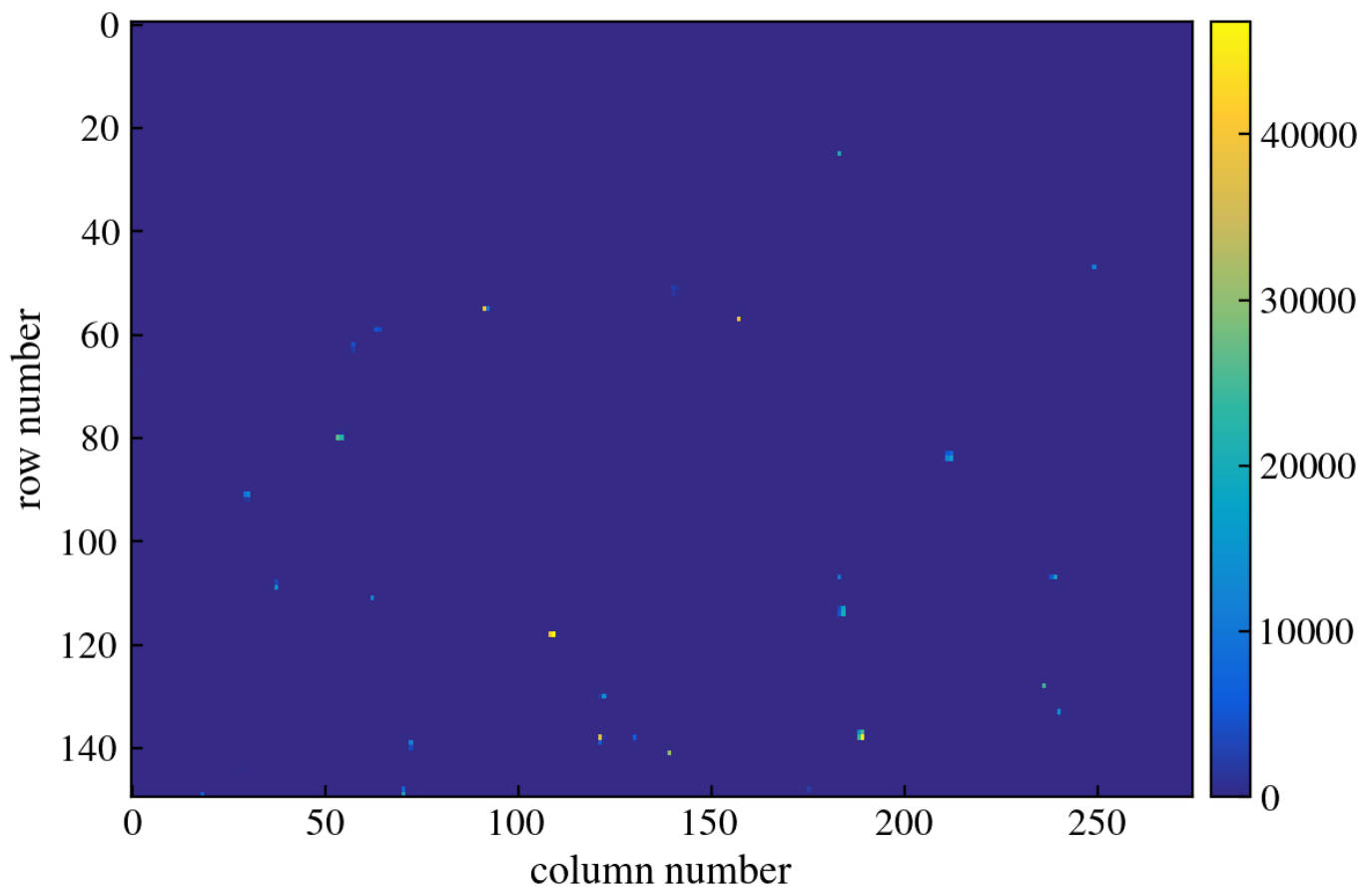


Figure 308: CCD Image

CCD Image: run 454, image 348  
[class MECCDImage]

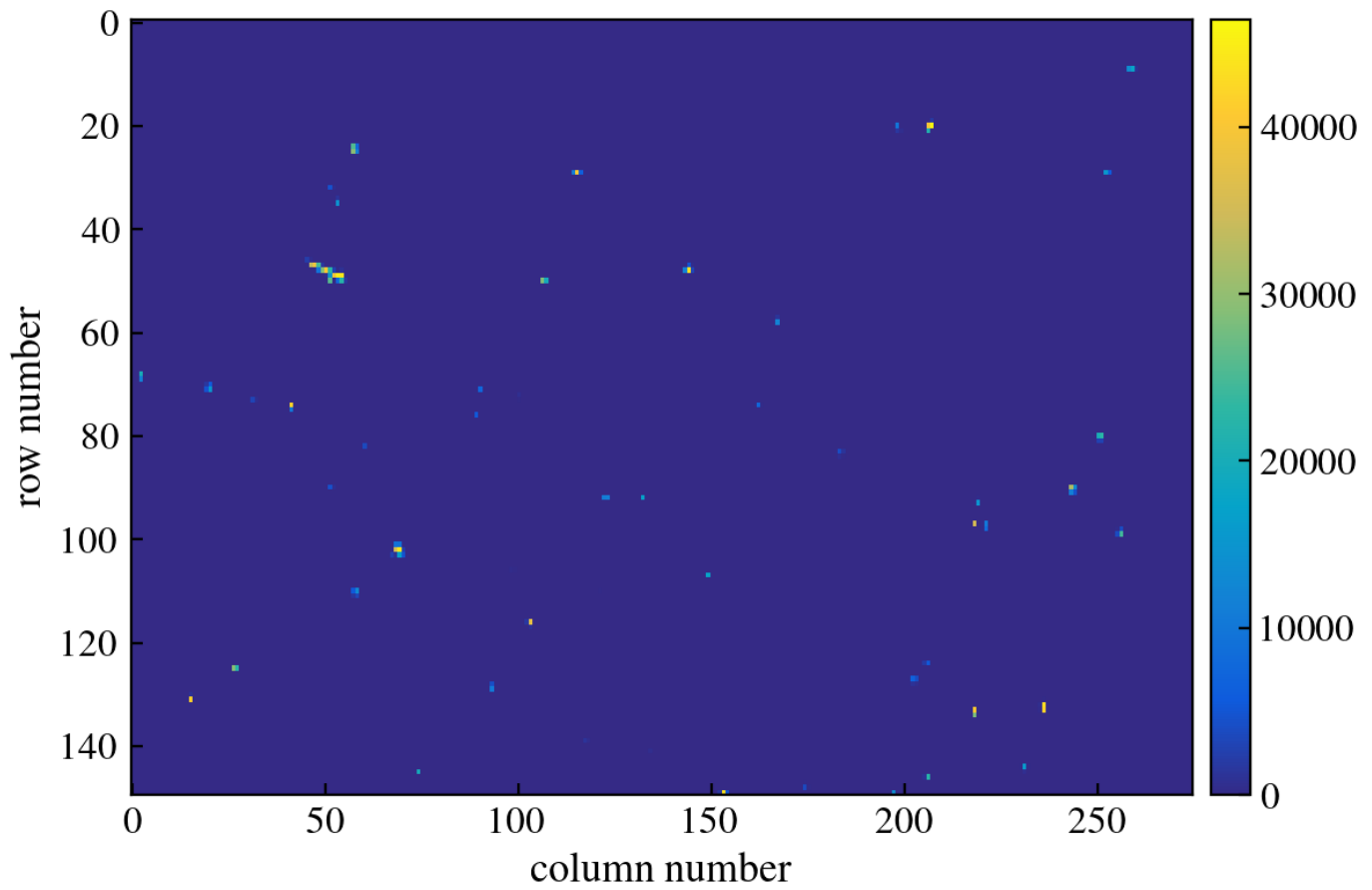


Figure 309: CCD Image

CCD Image: run 454, image 349  
[class MECCDImage]

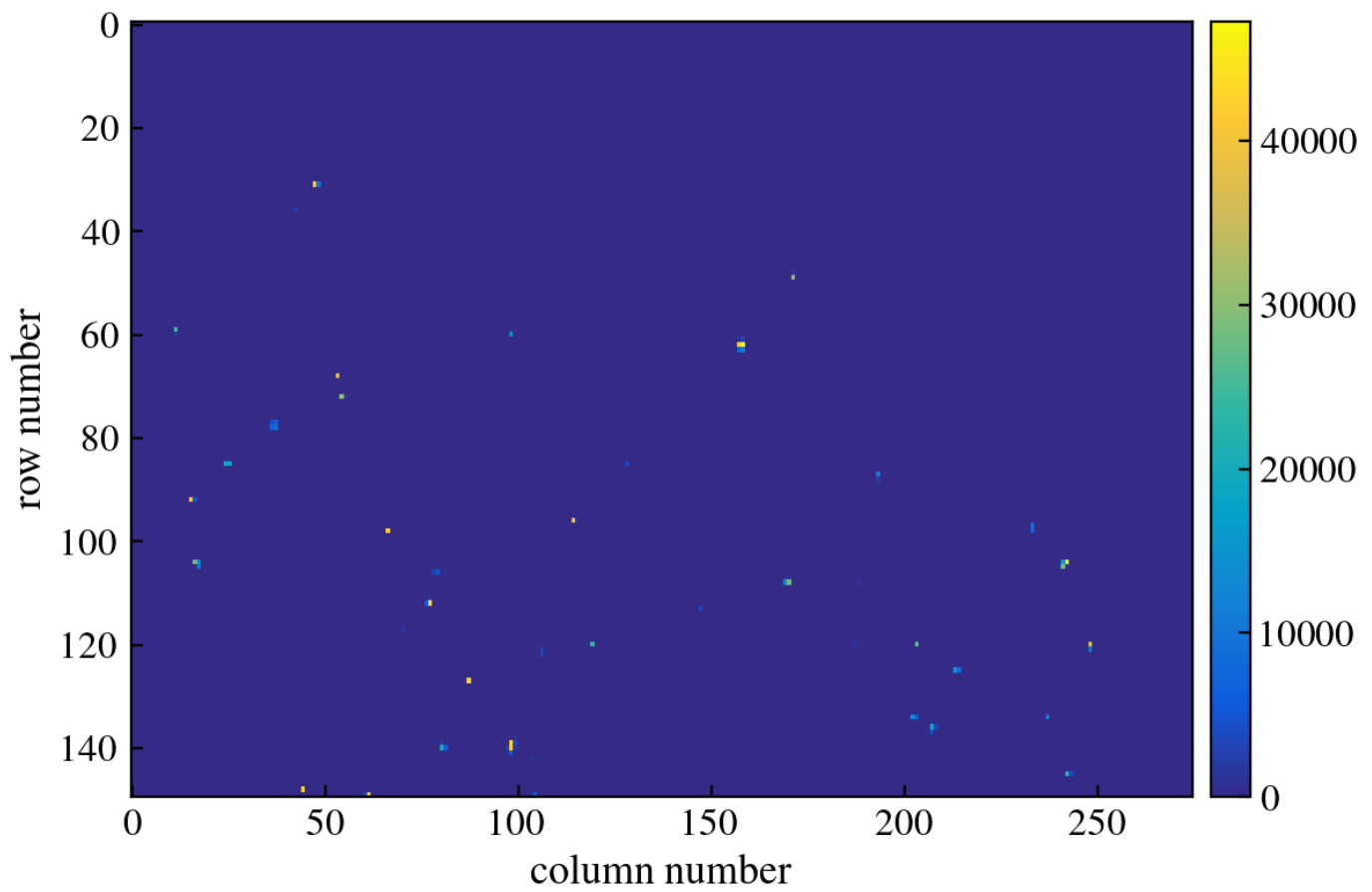


Figure 310: CCD Image

CCD Image: run 454, image 35  
[class MECCDImage]

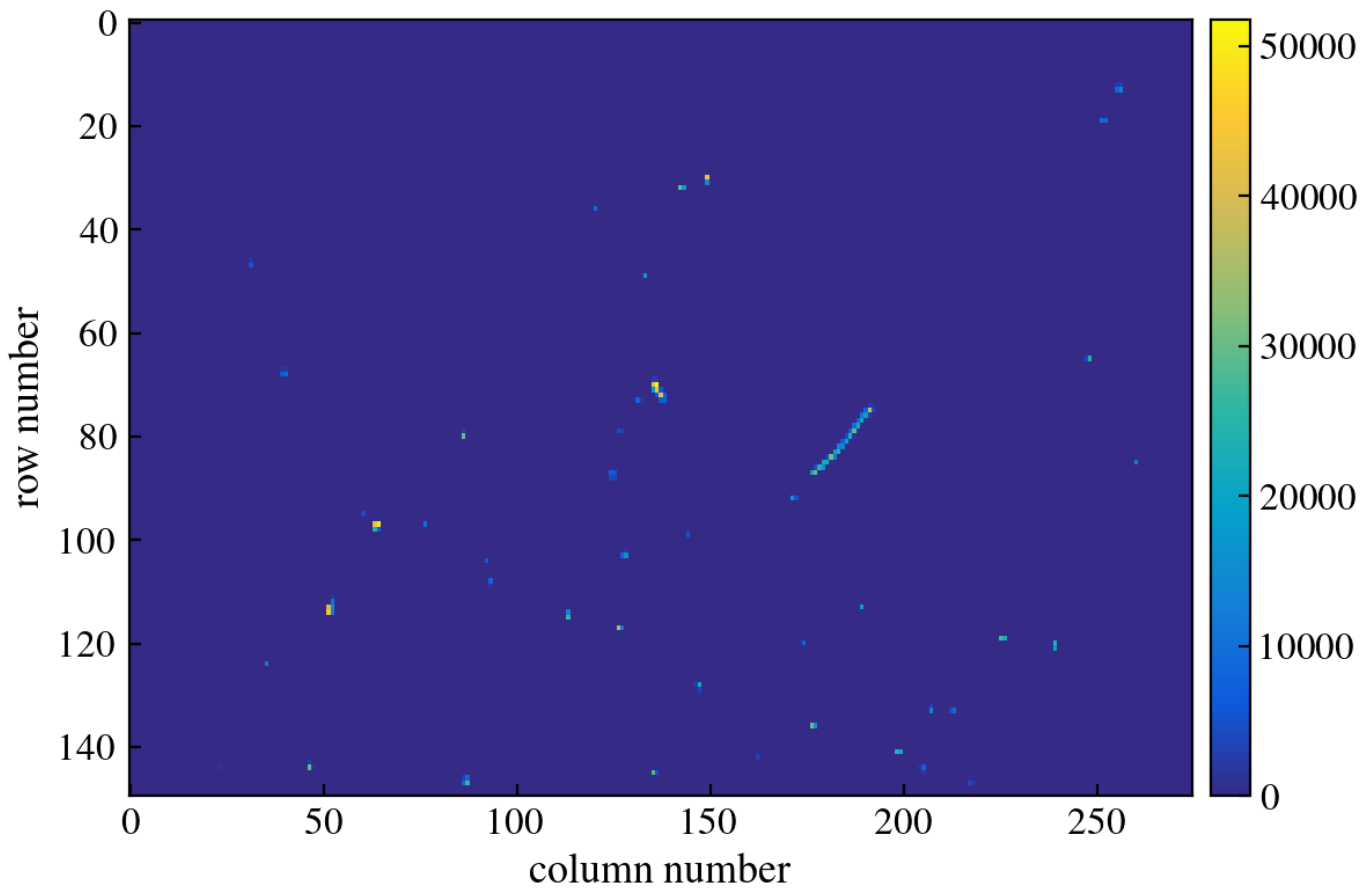


Figure 311: CCD Image



CCD Image: run 454, image 350  
[class MECCDImage]

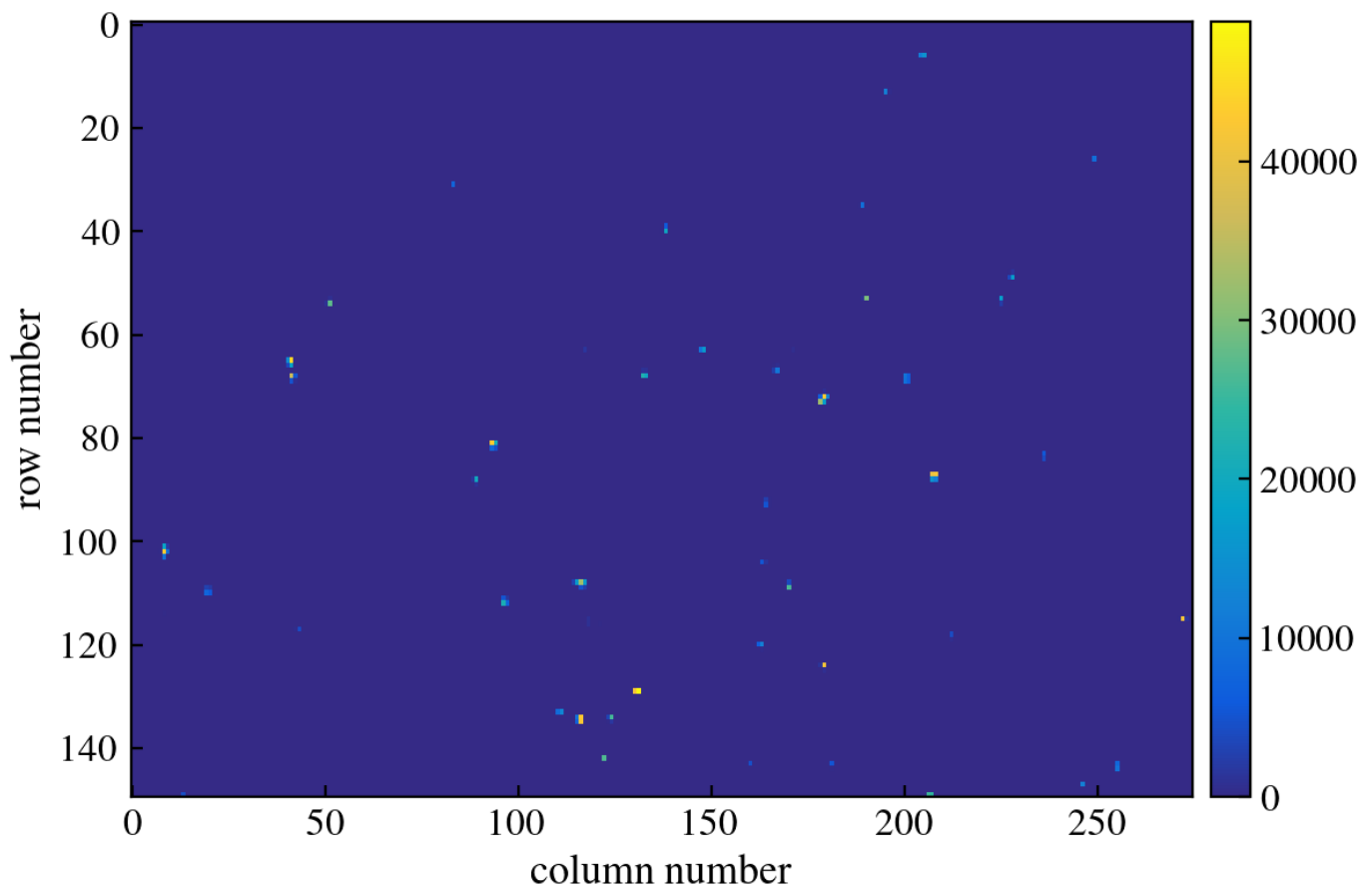


Figure 312: CCD Image

CCD Image: run 454, image 351  
[class MECCDImage]

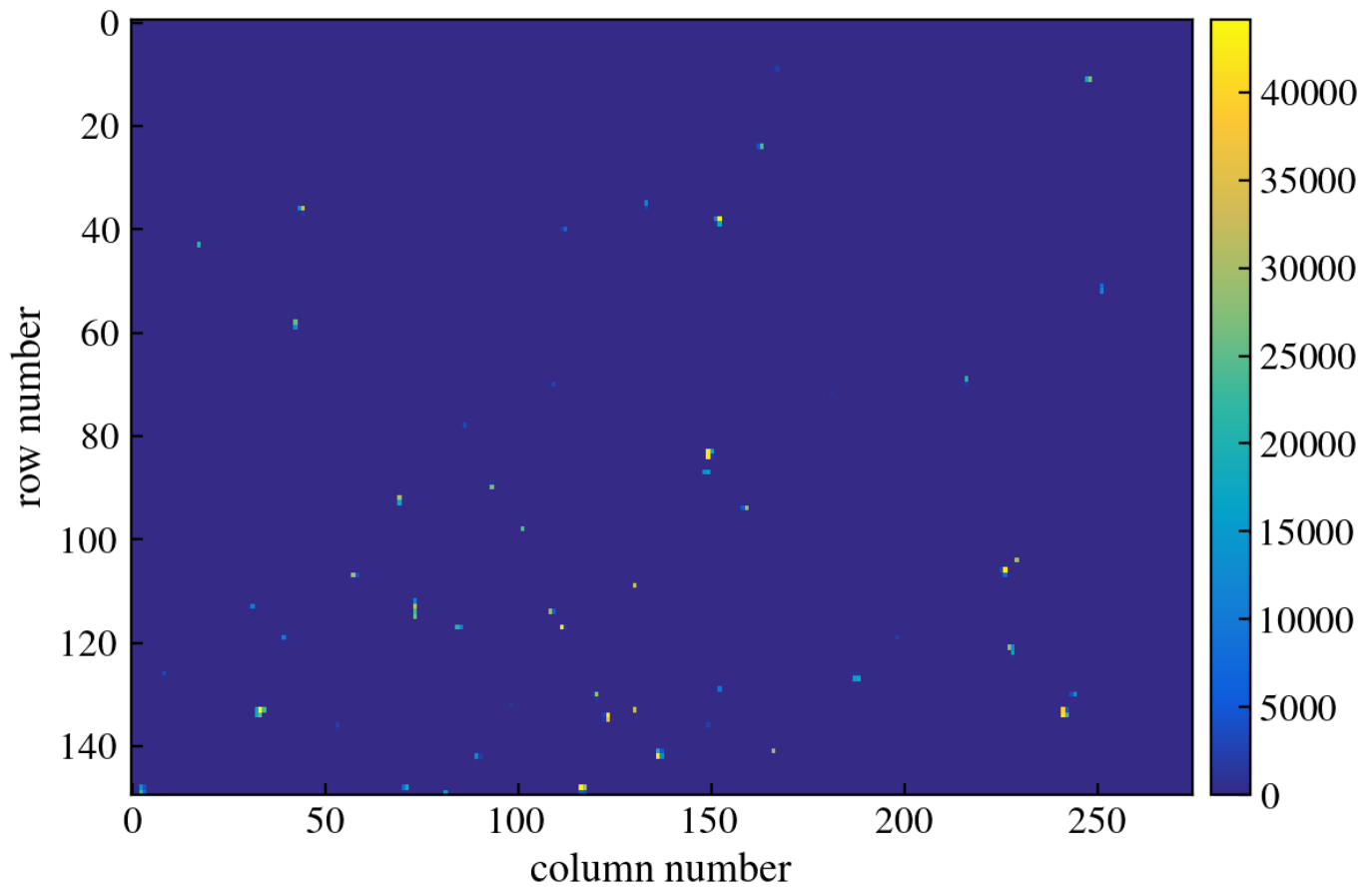


Figure 313: CCD Image

CCD Image: run 454, image 352  
[class MECCDImage]

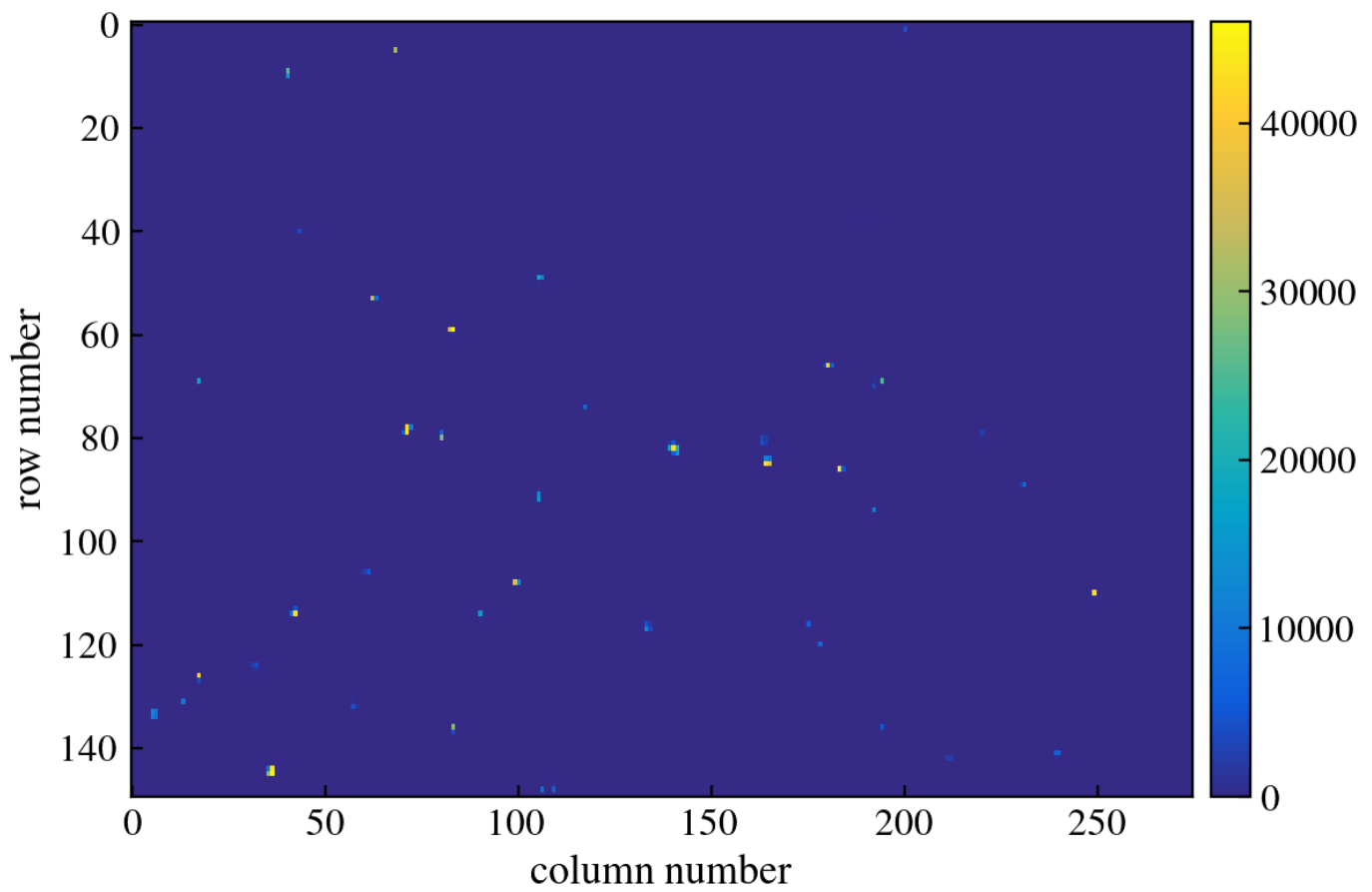


Figure 314: CCD Image

CCD Image: run 454, image 353  
[class MECCDImage]

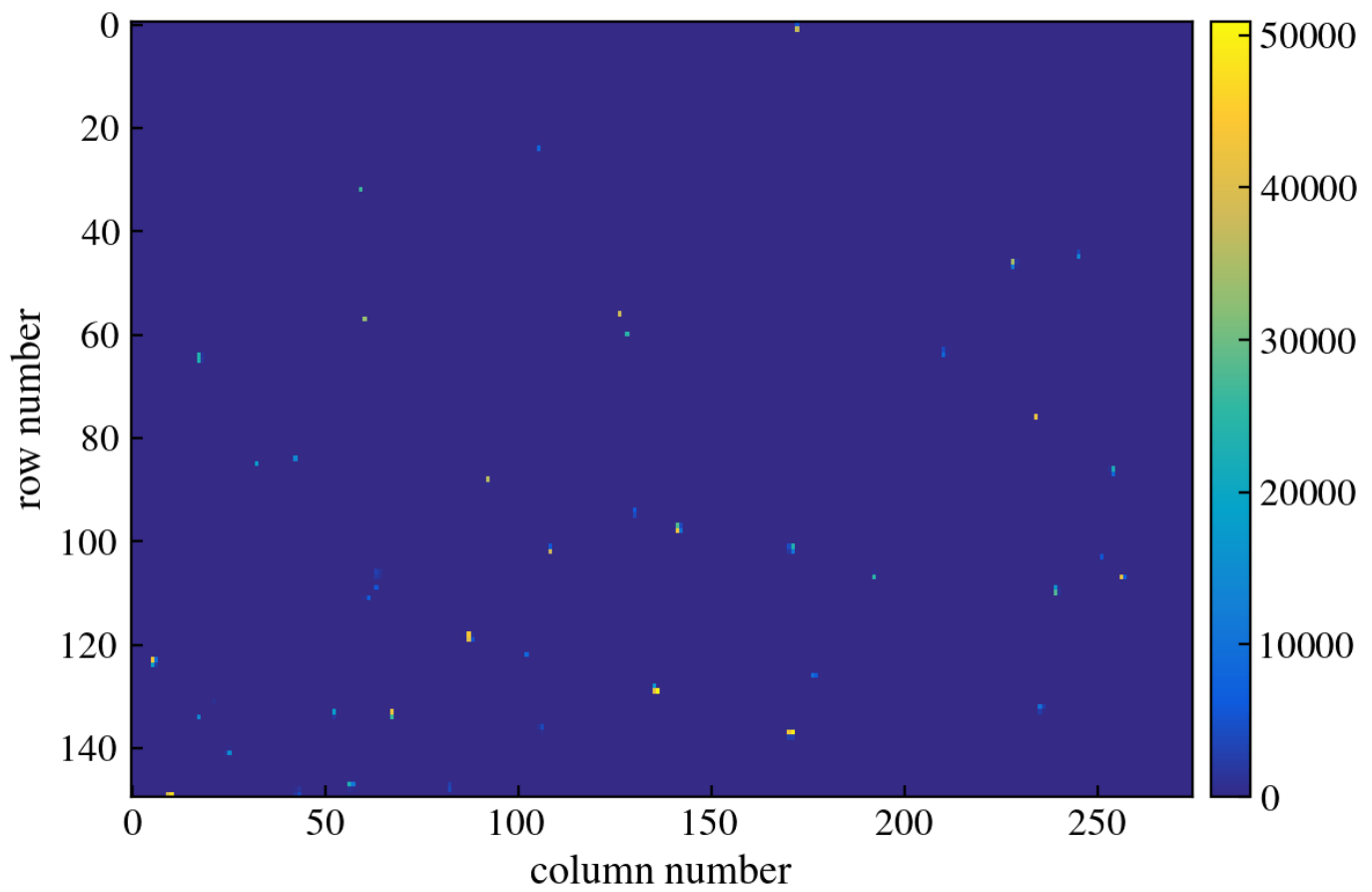


Figure 315: CCD Image

CCD Image: run 454, image 354  
[class MECCDImage]

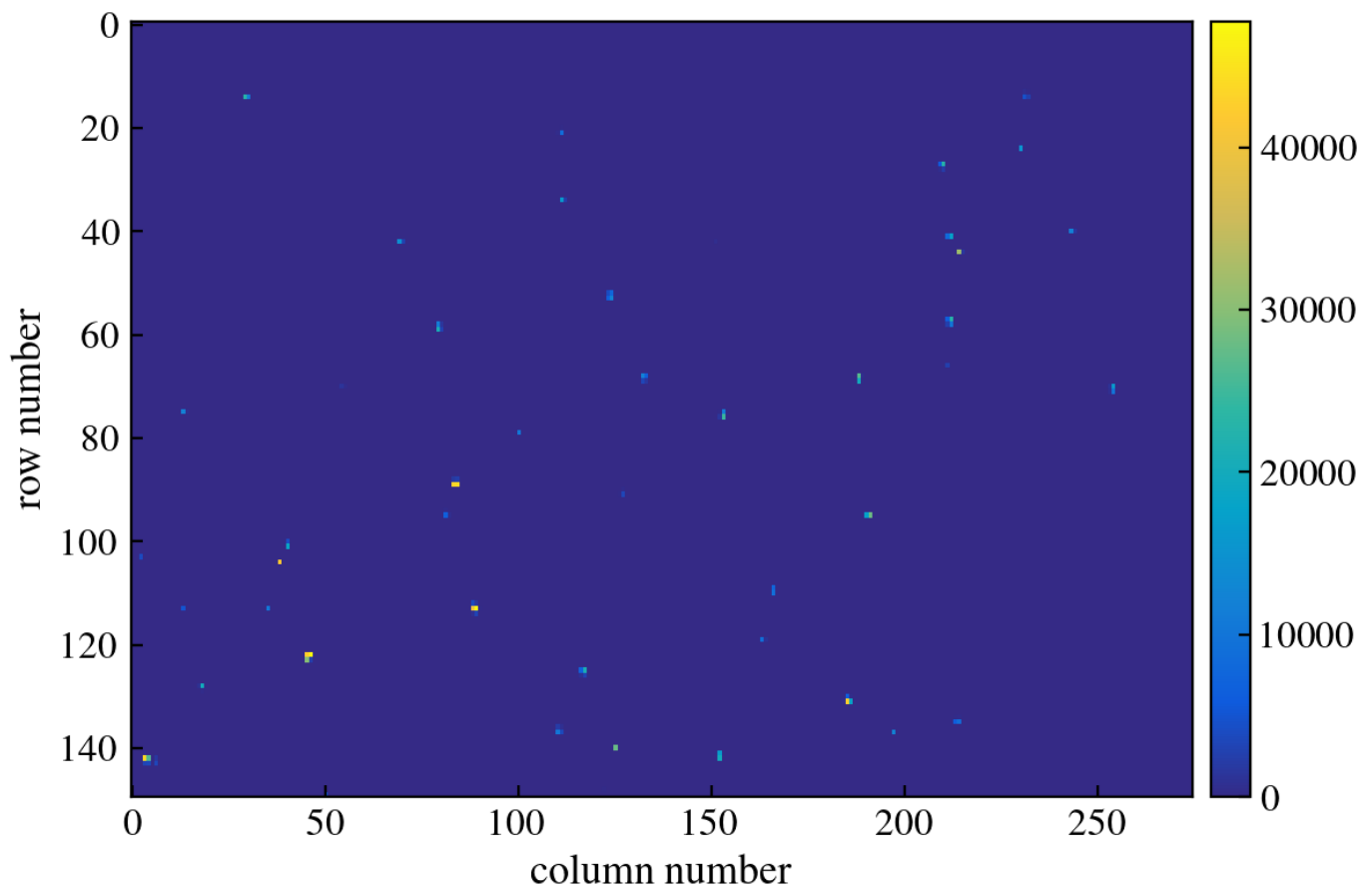


Figure 316: CCD Image

CCD Image: run 454, image 355  
[class MECCDImage]

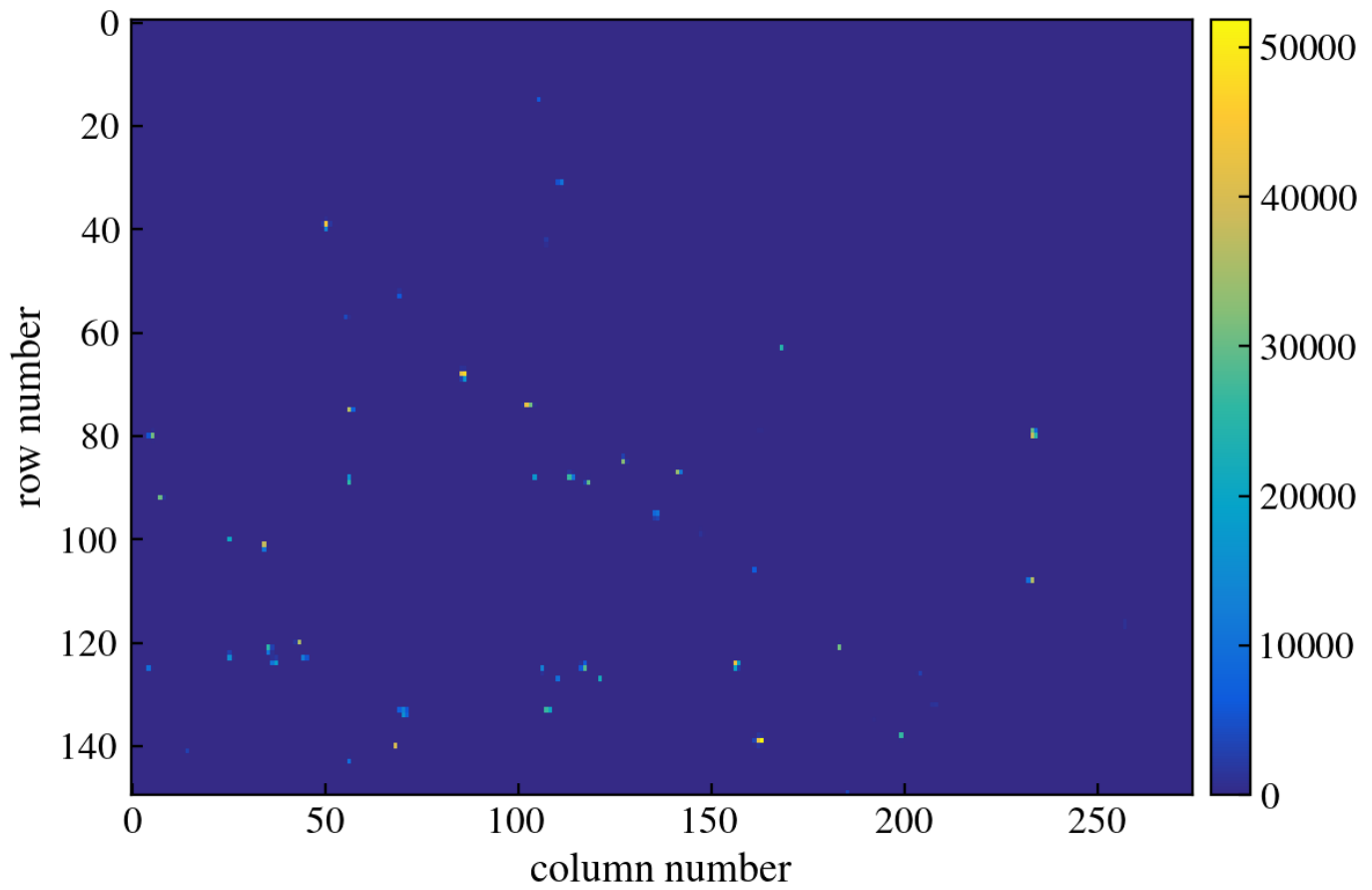


Figure 317: CCD Image

CCD Image: run 454, image 356  
[class MECCDImage]

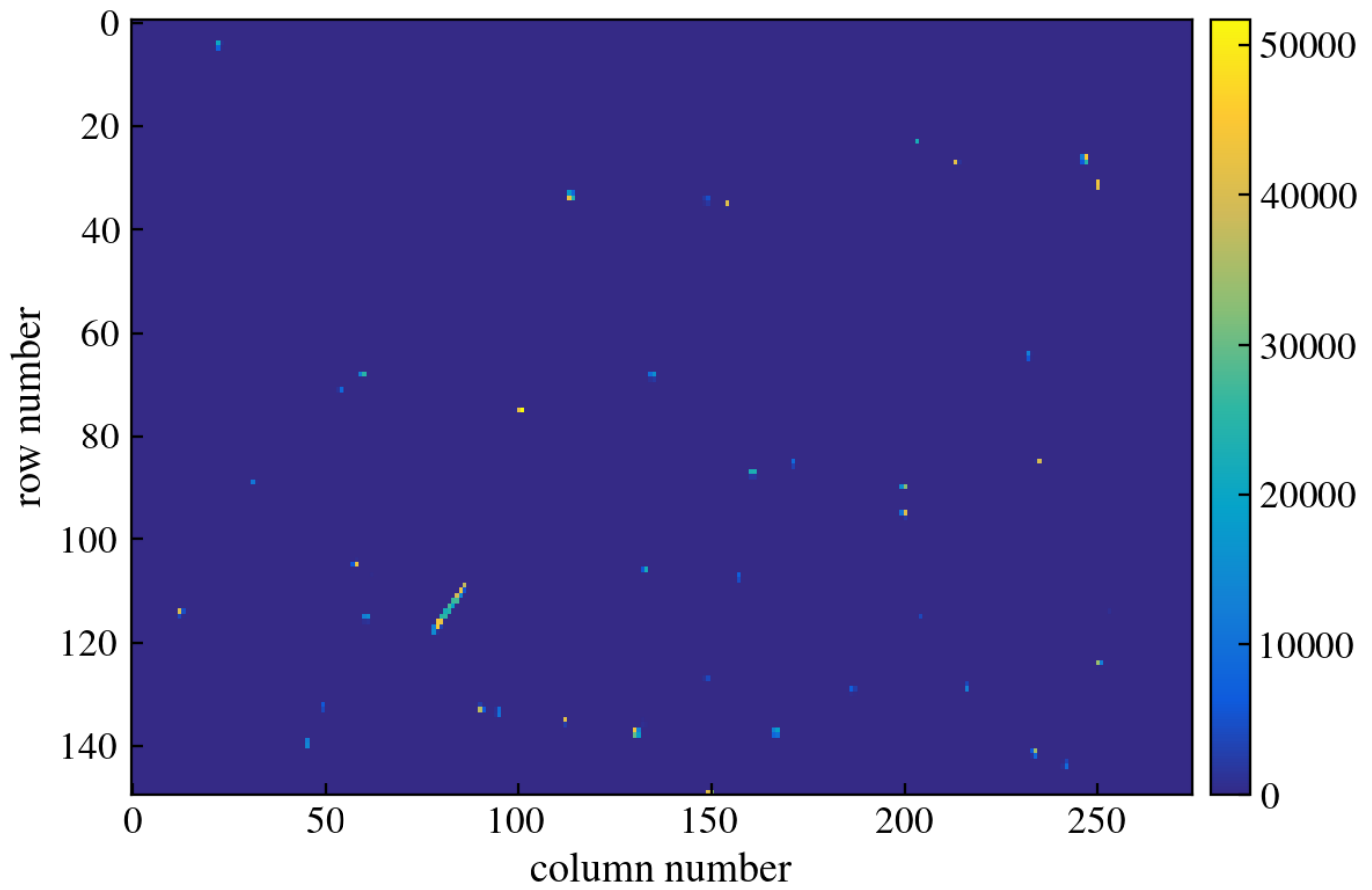


Figure 318: CCD Image

CCD Image: run 454, image 357  
[class MECCDImage]

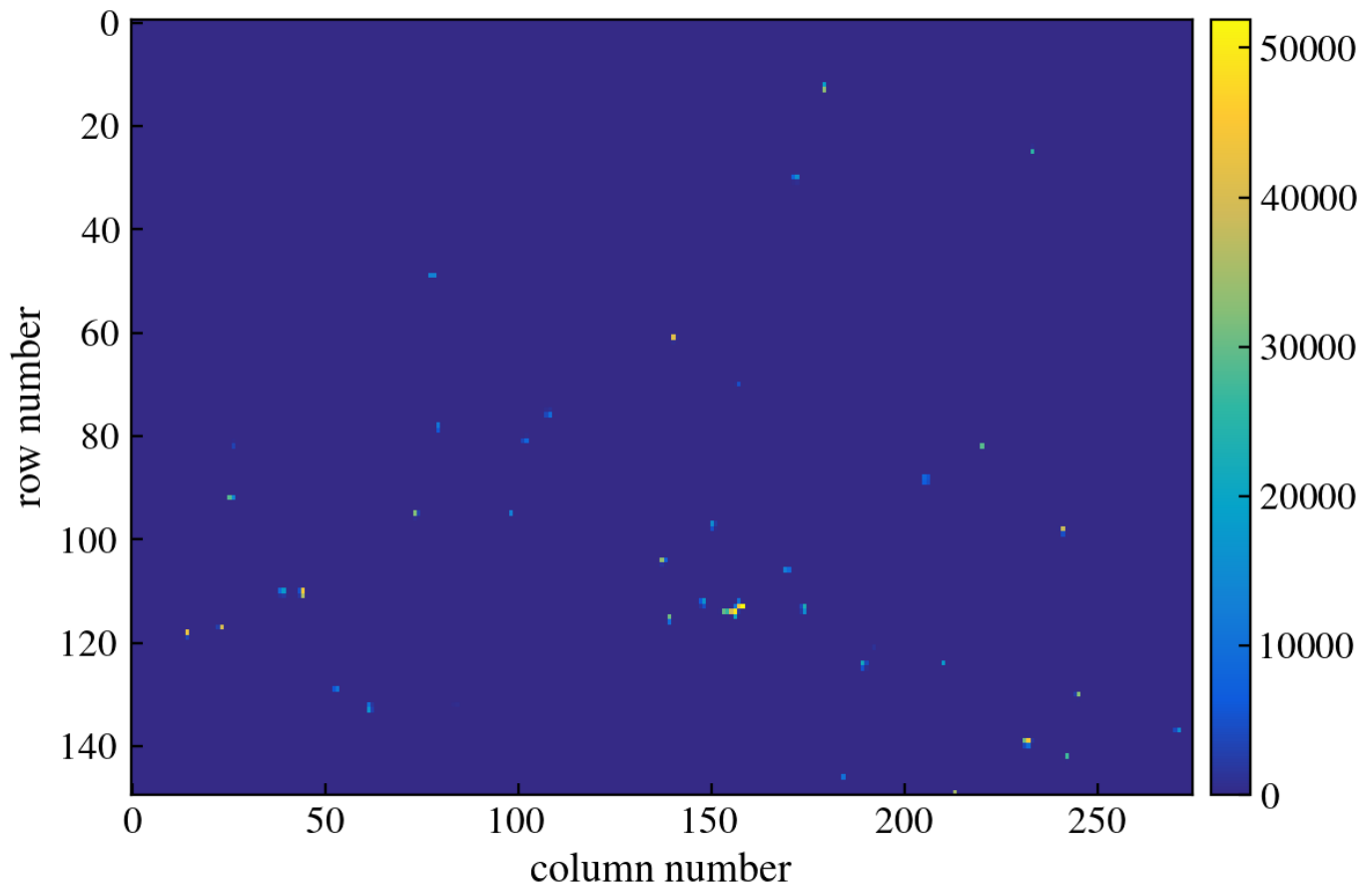


Figure 319: CCD Image



CCD Image: run 454, image 358  
[class MECCDImage]

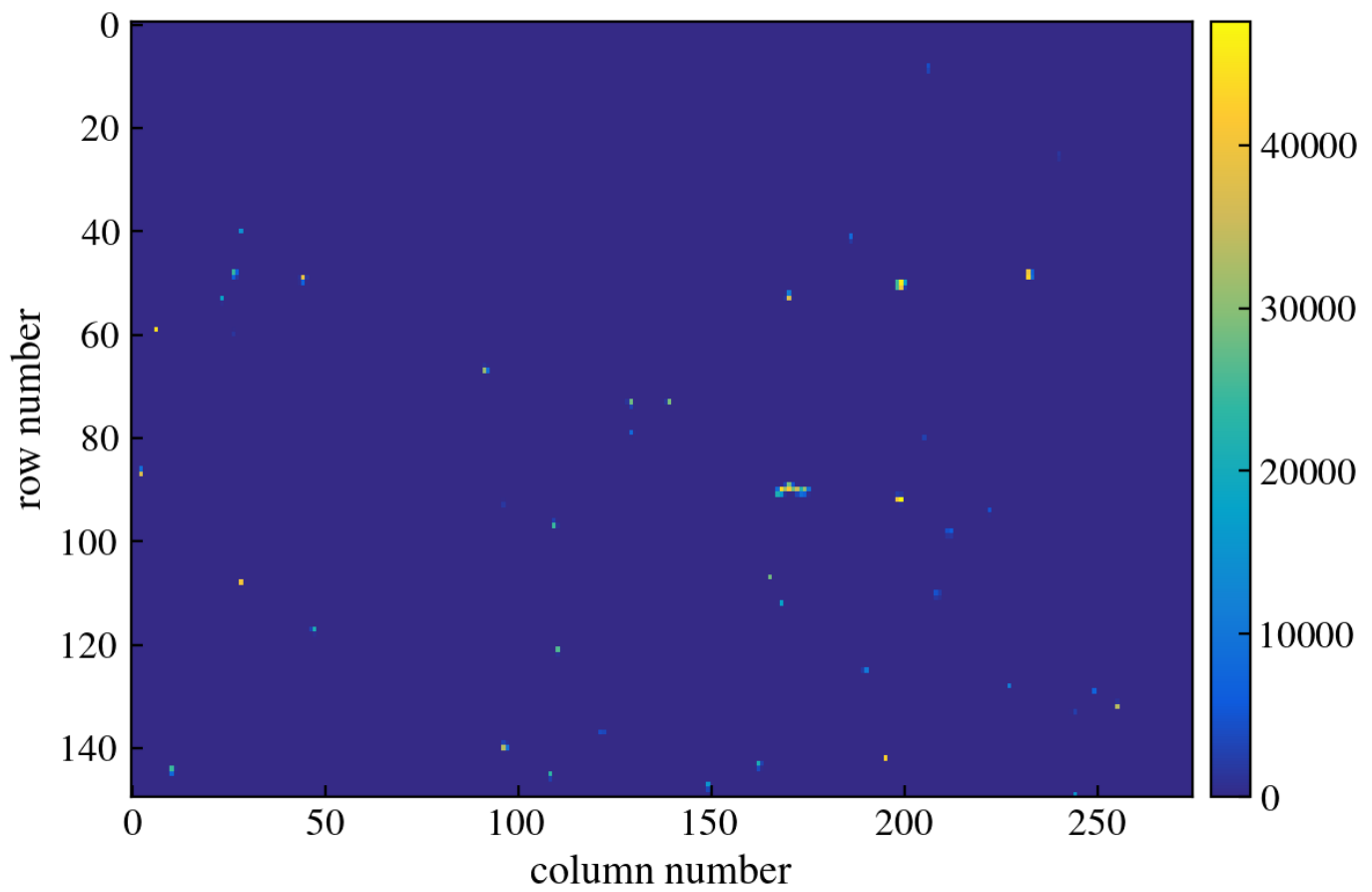


Figure 320: CCD Image

CCD Image: run 454, image 359  
[class MECCDImage]

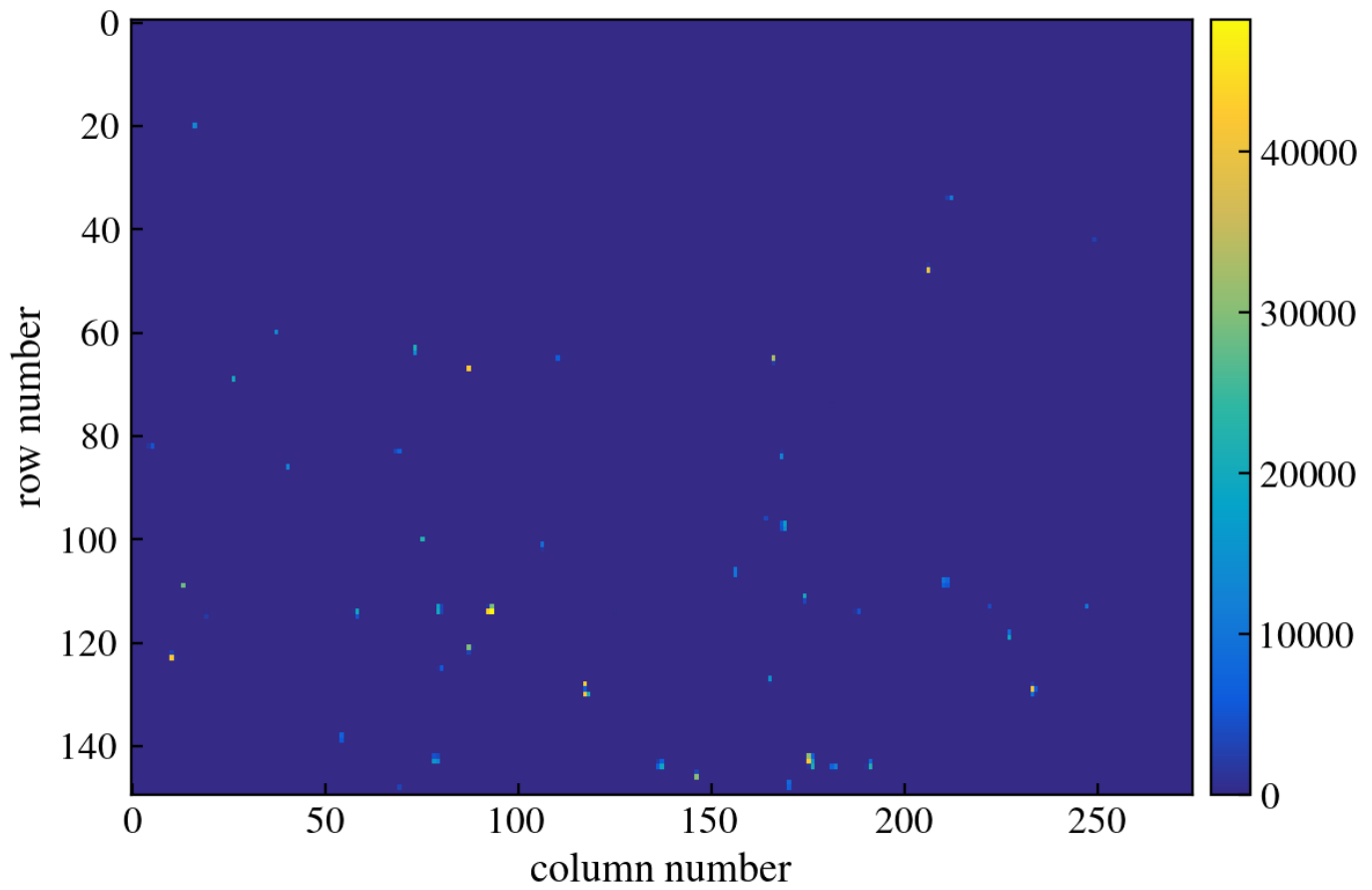


Figure 321: CCD Image

CCD Image: run 454, image 36  
[class MECCDImage]

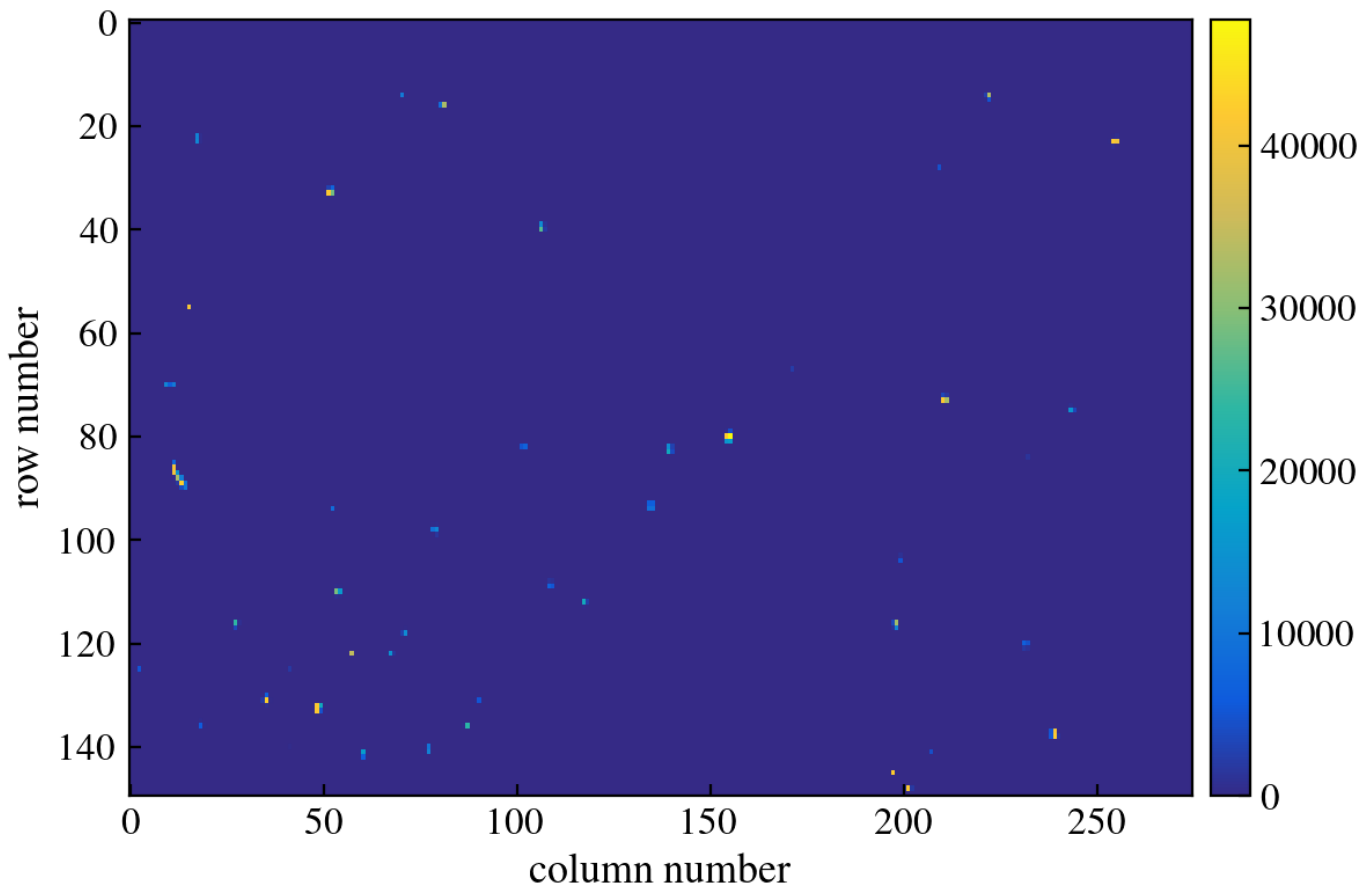


Figure 322: CCD Image

CCD Image: run 454, image 360  
[class MECCDImage]

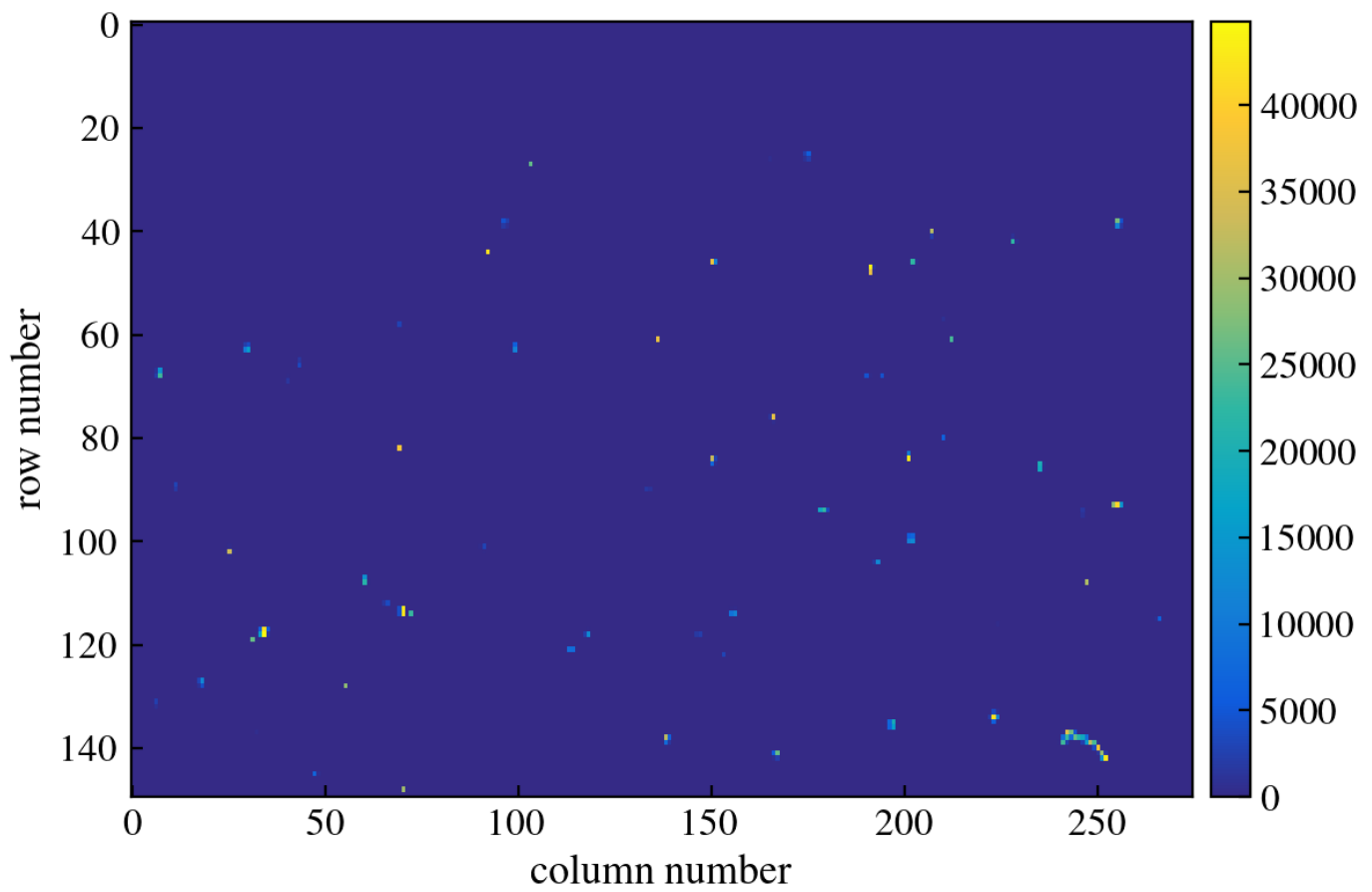


Figure 323: CCD Image

CCD Image: run 454, image 361  
[class MECCDImage]

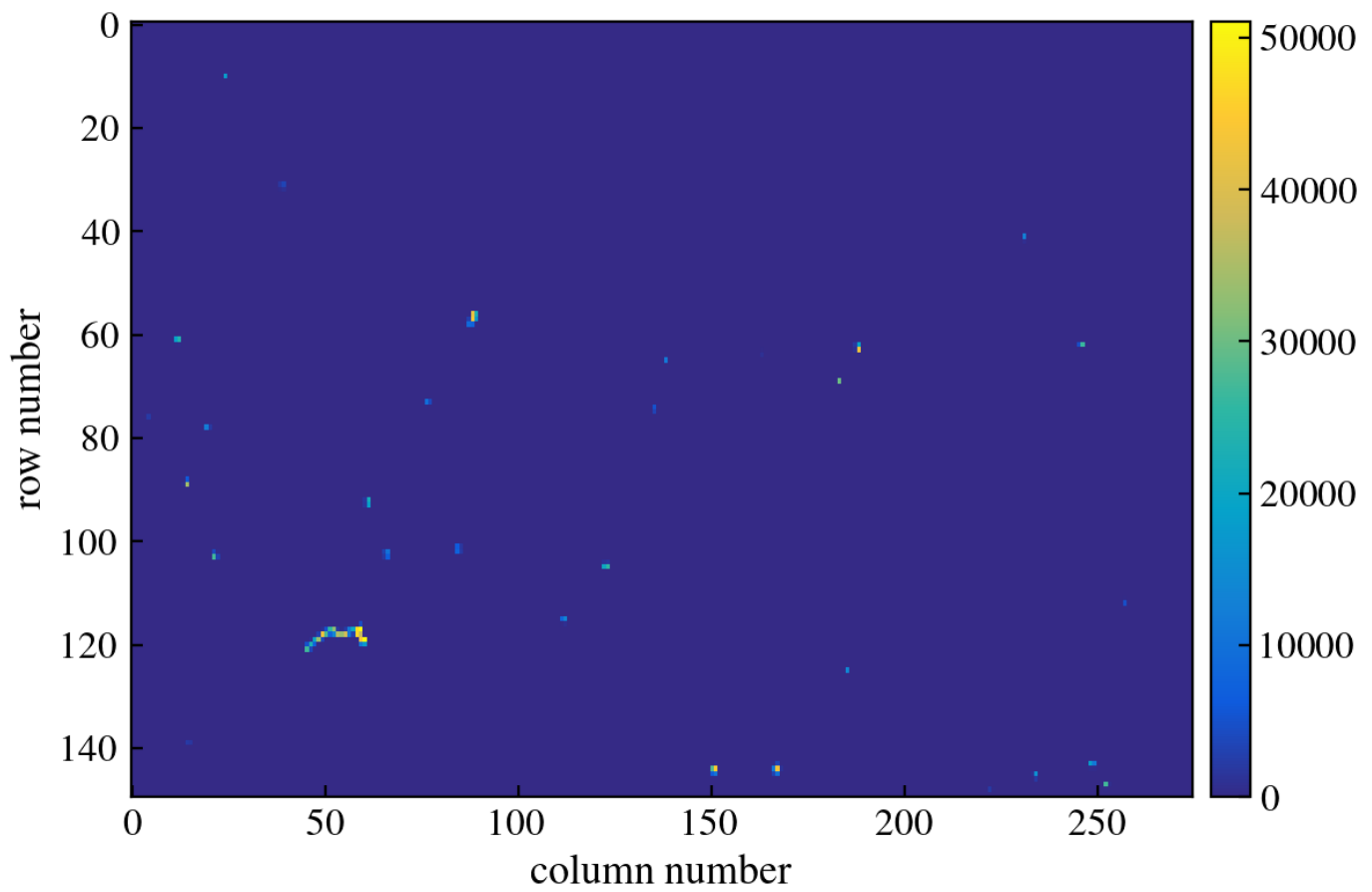


Figure 324: CCD Image

CCD Image: run 454, image 362  
[class MECCDImage]

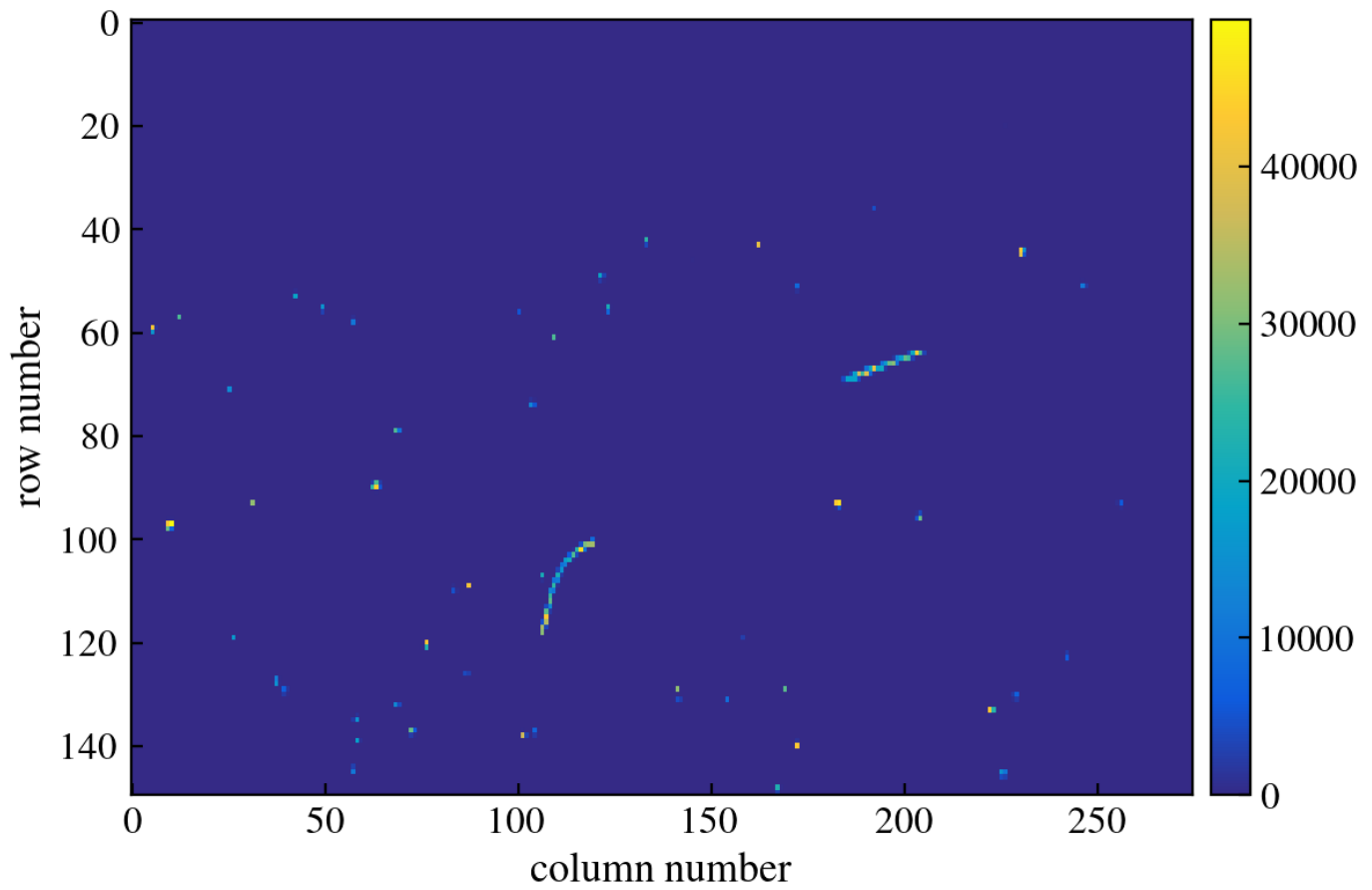


Figure 325: CCD Image

CCD Image: run 454, image 363  
[class MECCDImage]

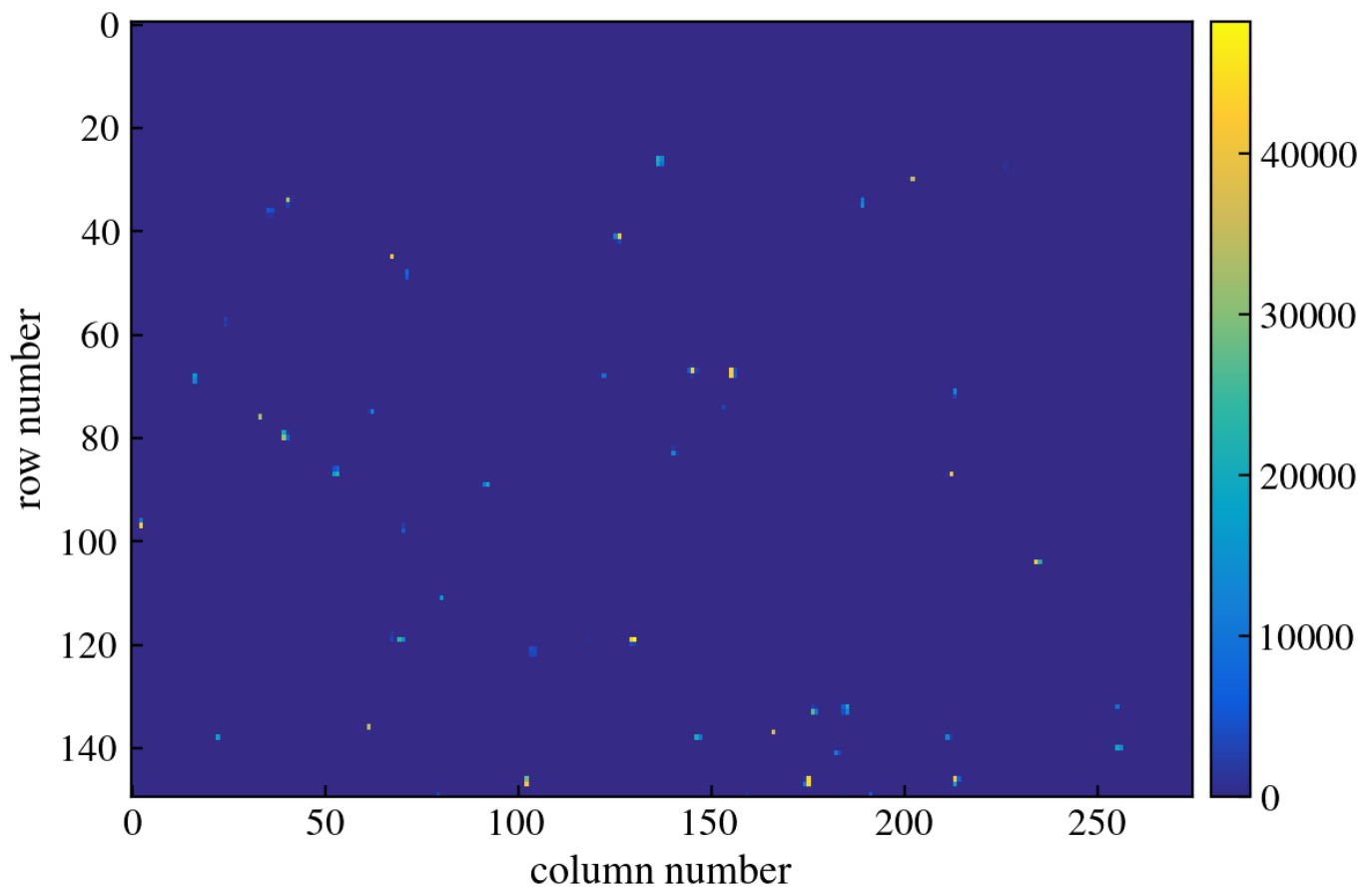


Figure 326: CCD Image

CCD Image: run 454, image 364  
[class MECCDImage]

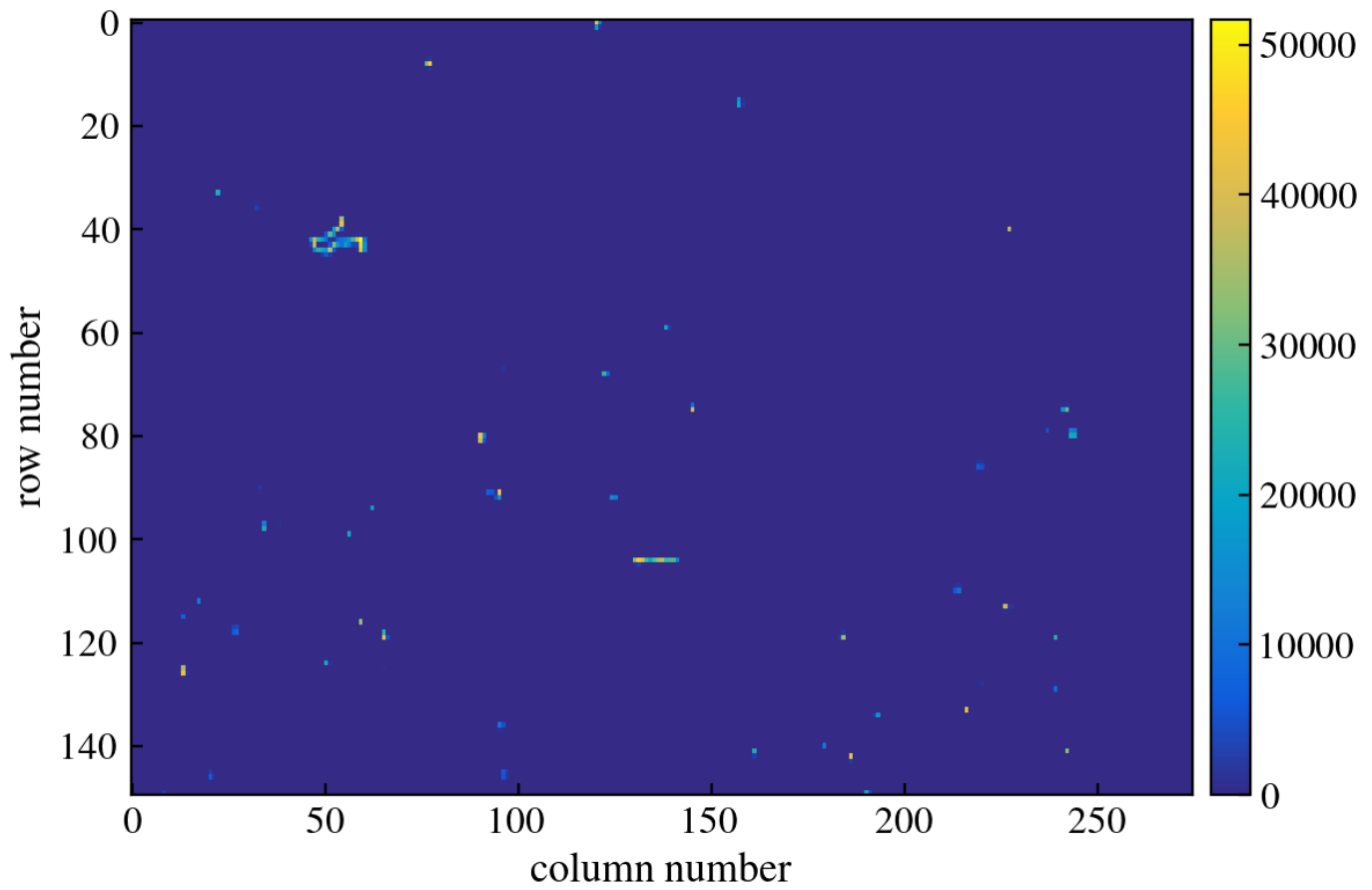


Figure 327: CCD Image



CCD Image: run 454, image 365  
[class MECCDImage]

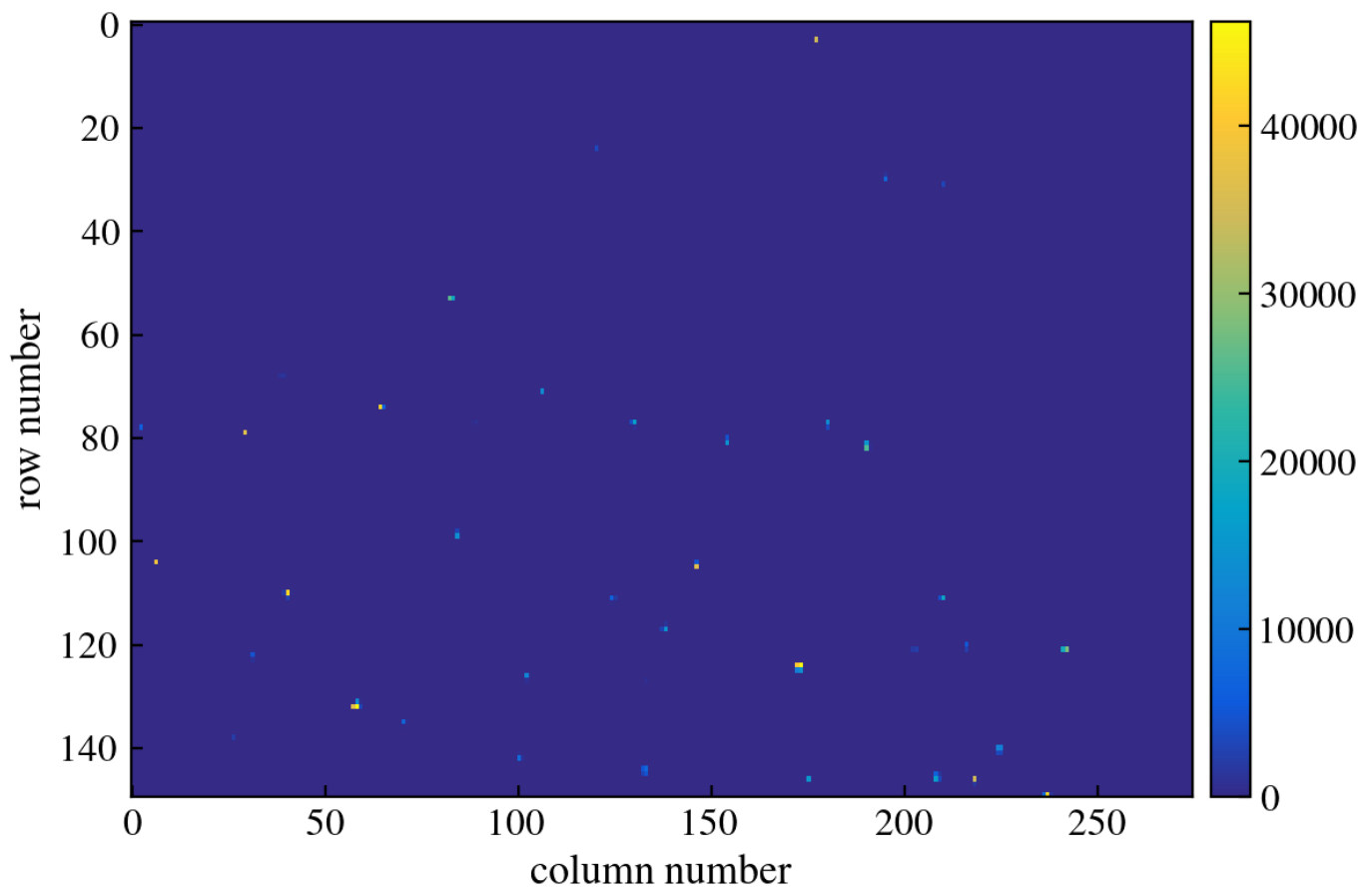


Figure 328: CCD Image

CCD Image: run 454, image 366  
[class MECCDImage]

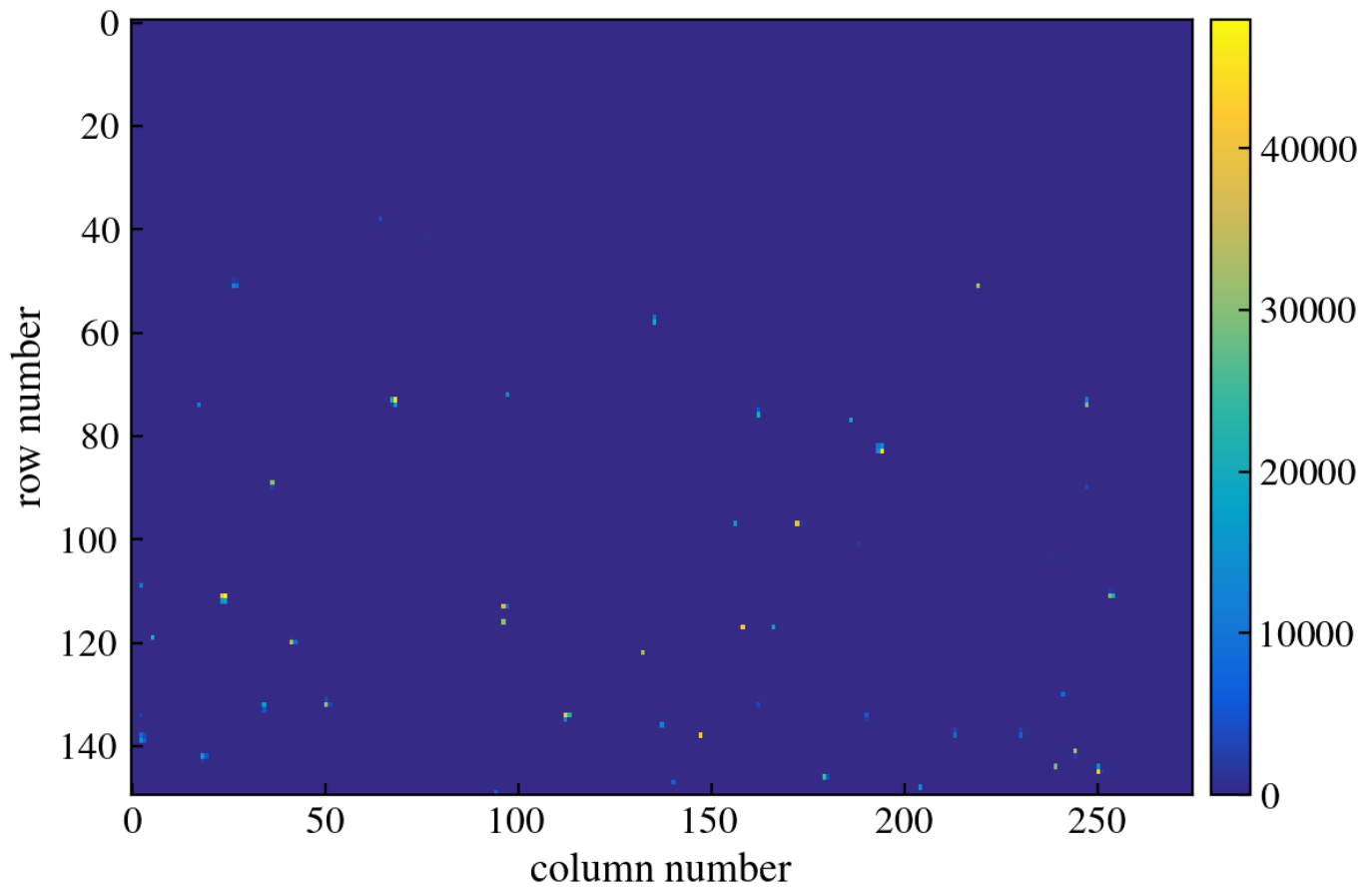


Figure 329: CCD Image

CCD Image: run 454, image 367  
[class MECCDImage]

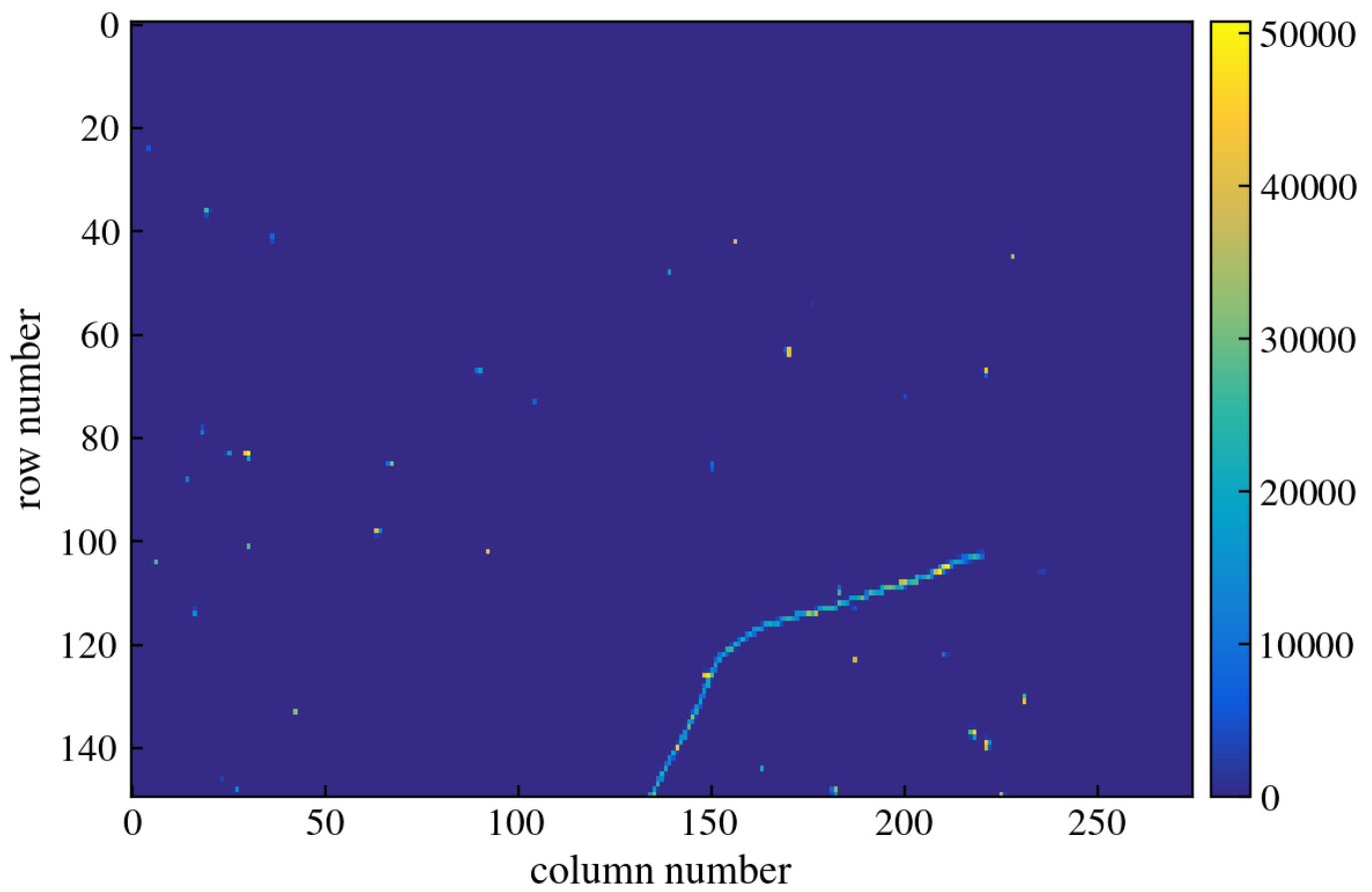


Figure 330: CCD Image

CCD Image: run 454, image 368  
[class MECCDImage]

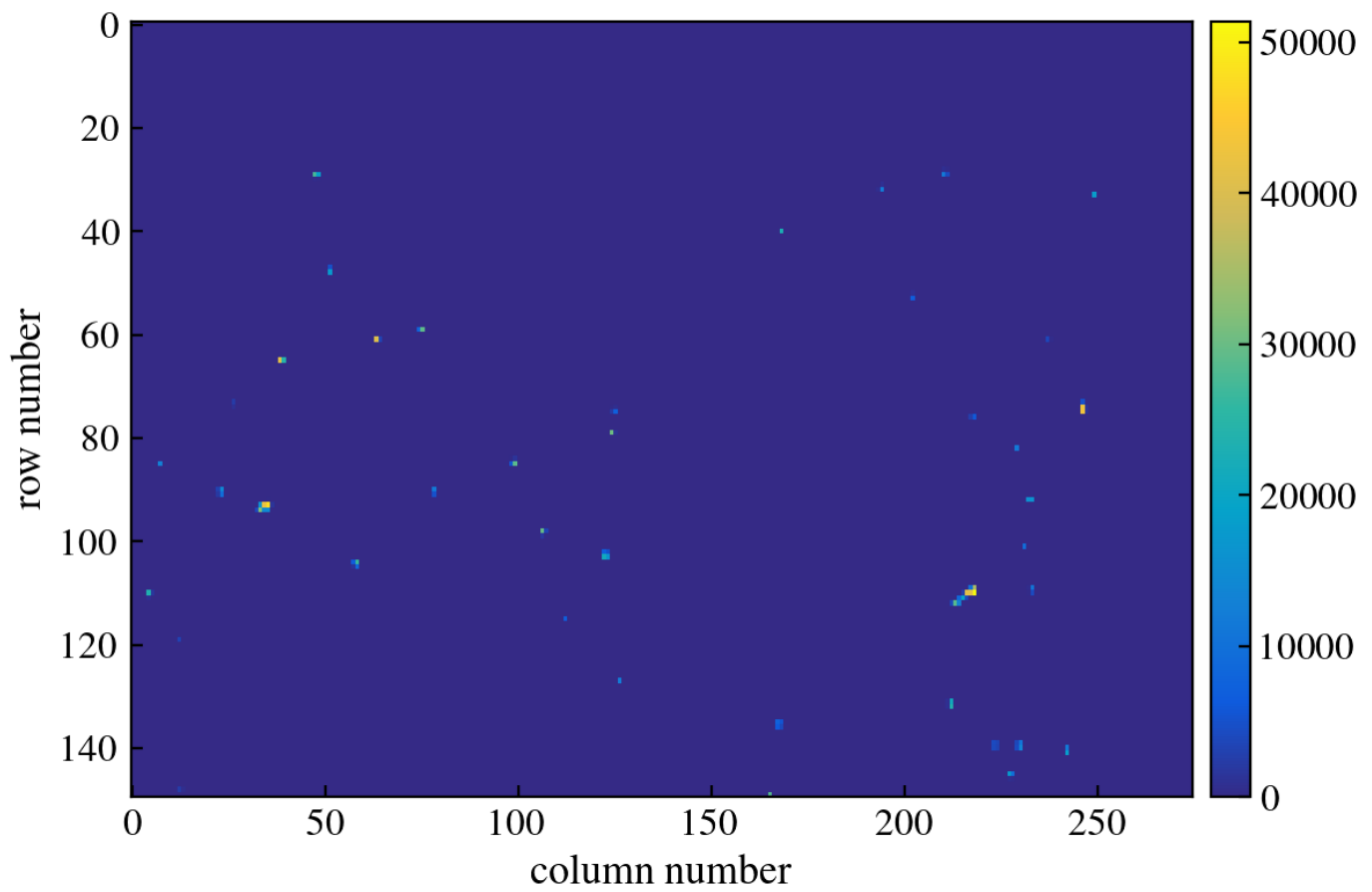


Figure 331: CCD Image

CCD Image: run 454, image 369  
[class MECCDImage]

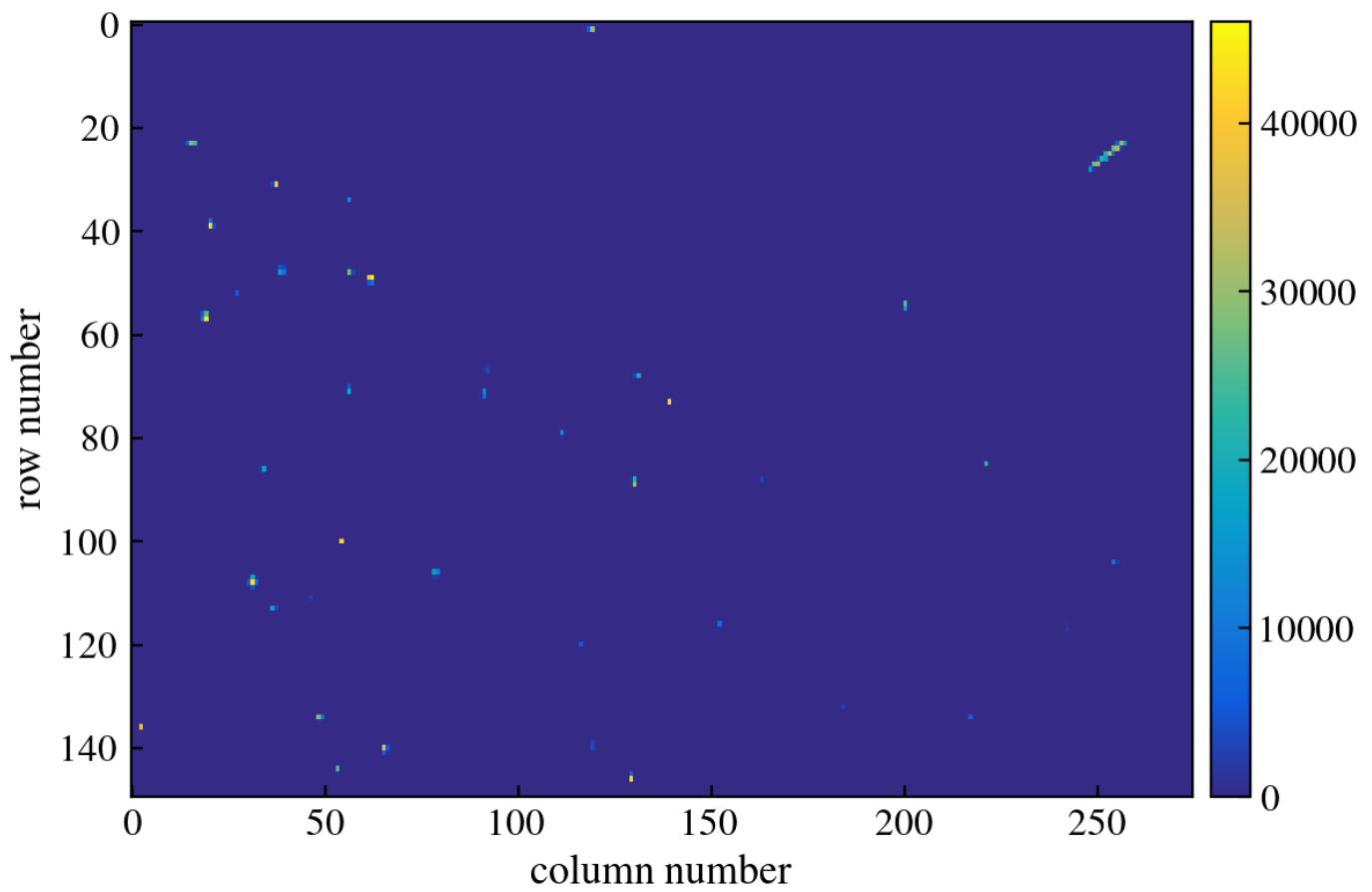


Figure 332: CCD Image

CCD Image: run 454, image 37  
[class MECCDImage]

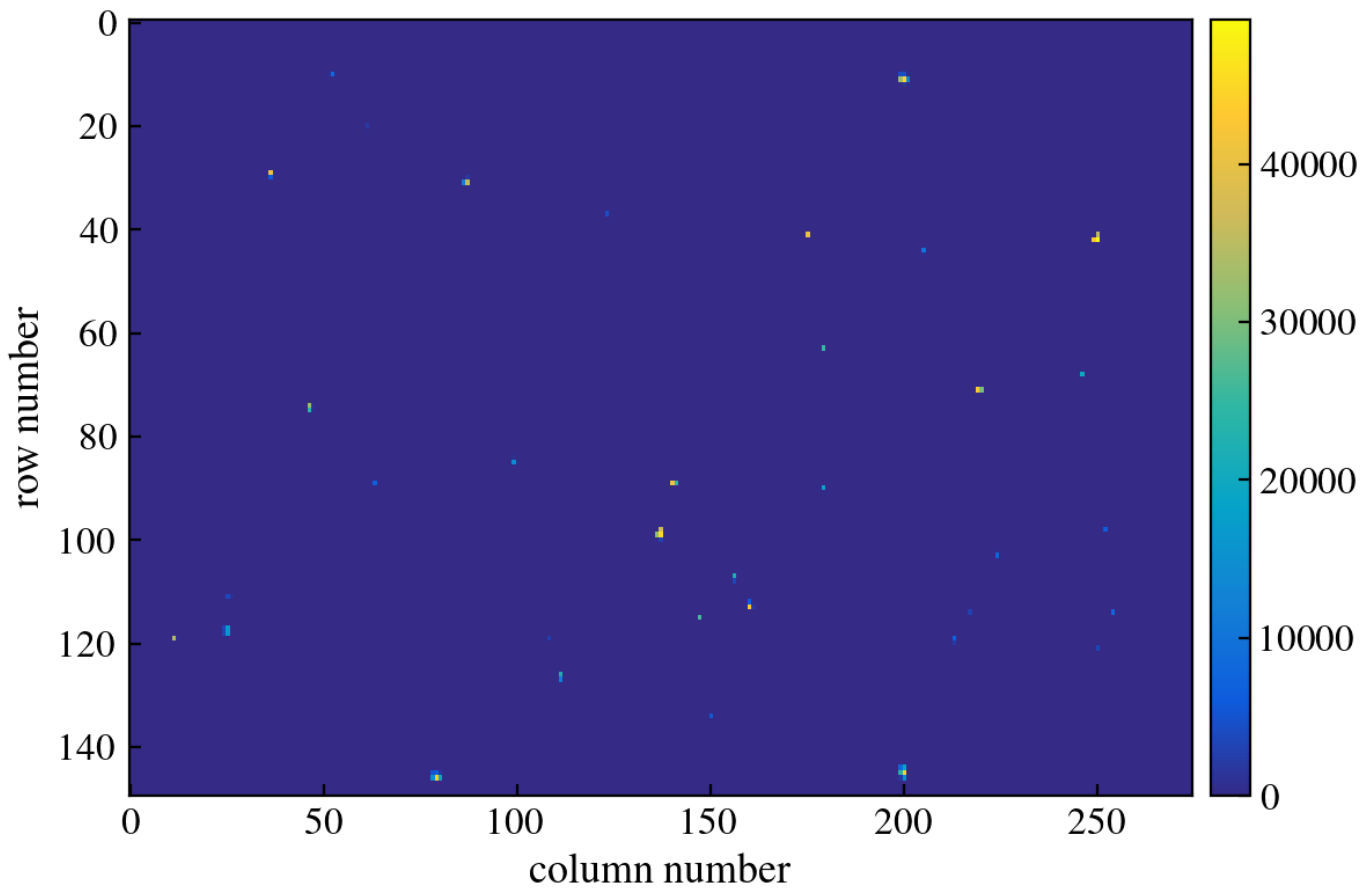


Figure 333: CCD Image

CCD Image: run 454, image 370  
[class MECCDImage]

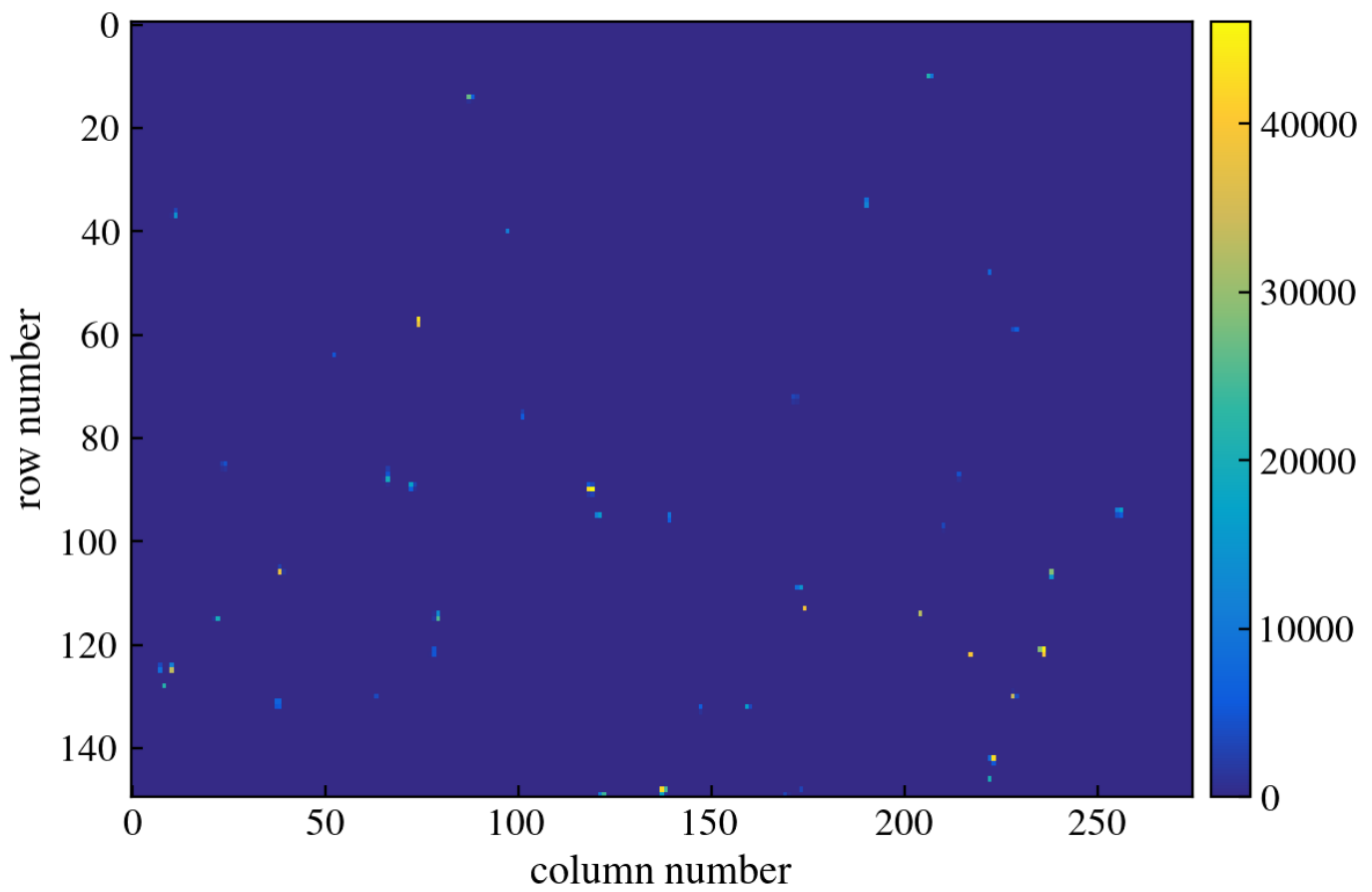


Figure 334: CCD Image

CCD Image: run 454, image 371  
[class MECCDImage]

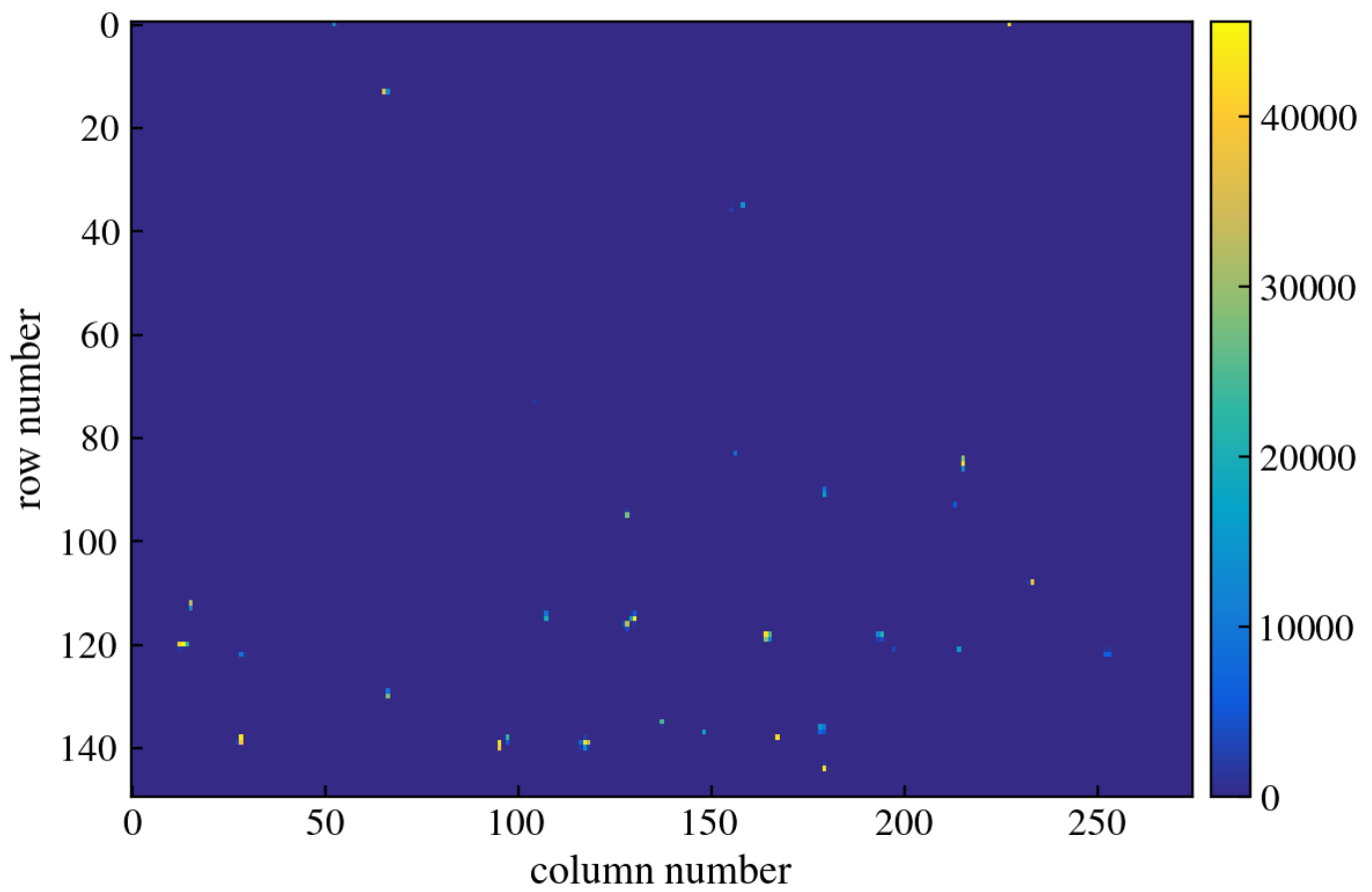


Figure 335: CCD Image



CCD Image: run 454, image 372  
[class MECCDImage]

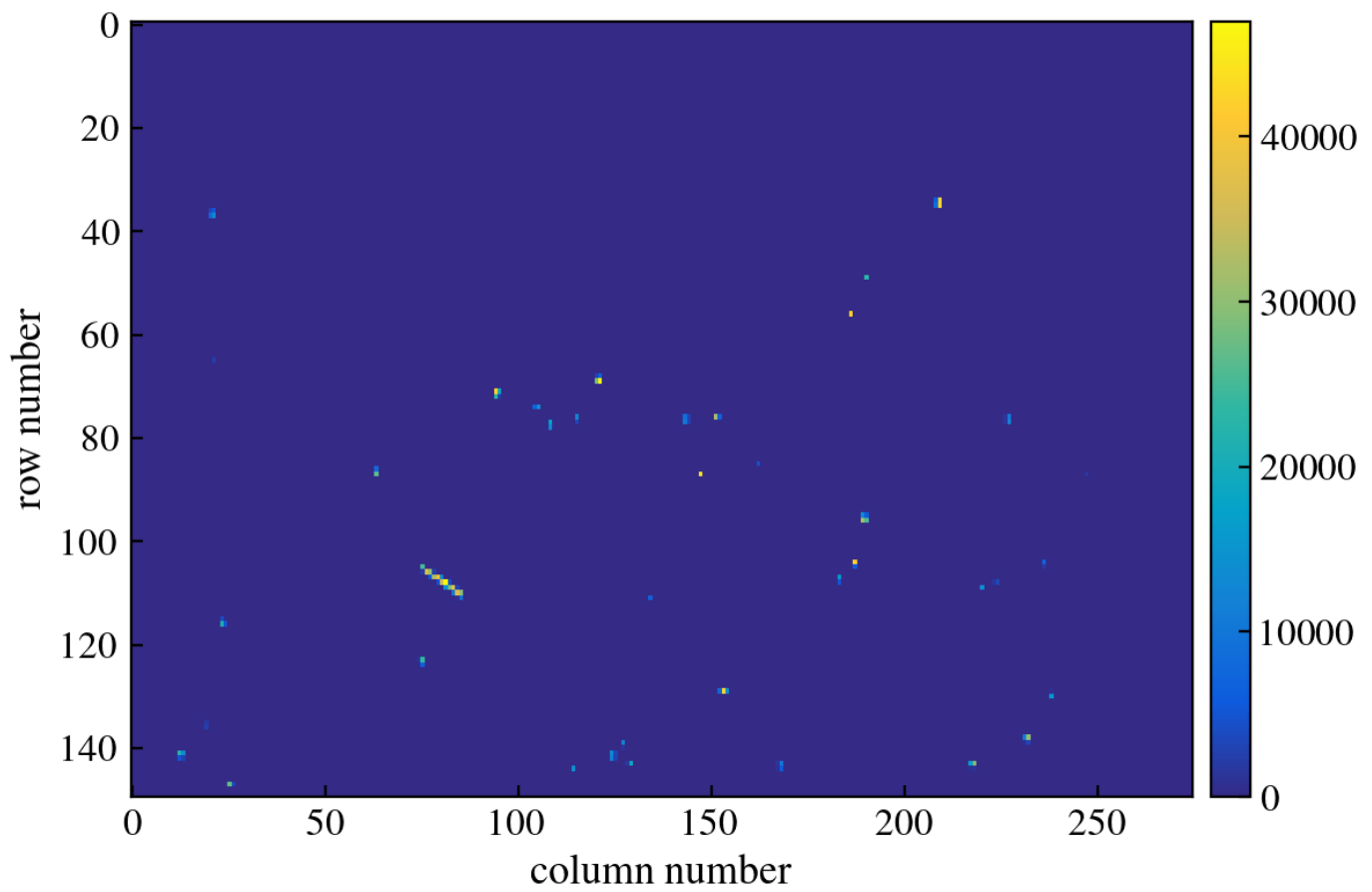


Figure 336: CCD Image

CCD Image: run 454, image 373  
[class MECCDImage]

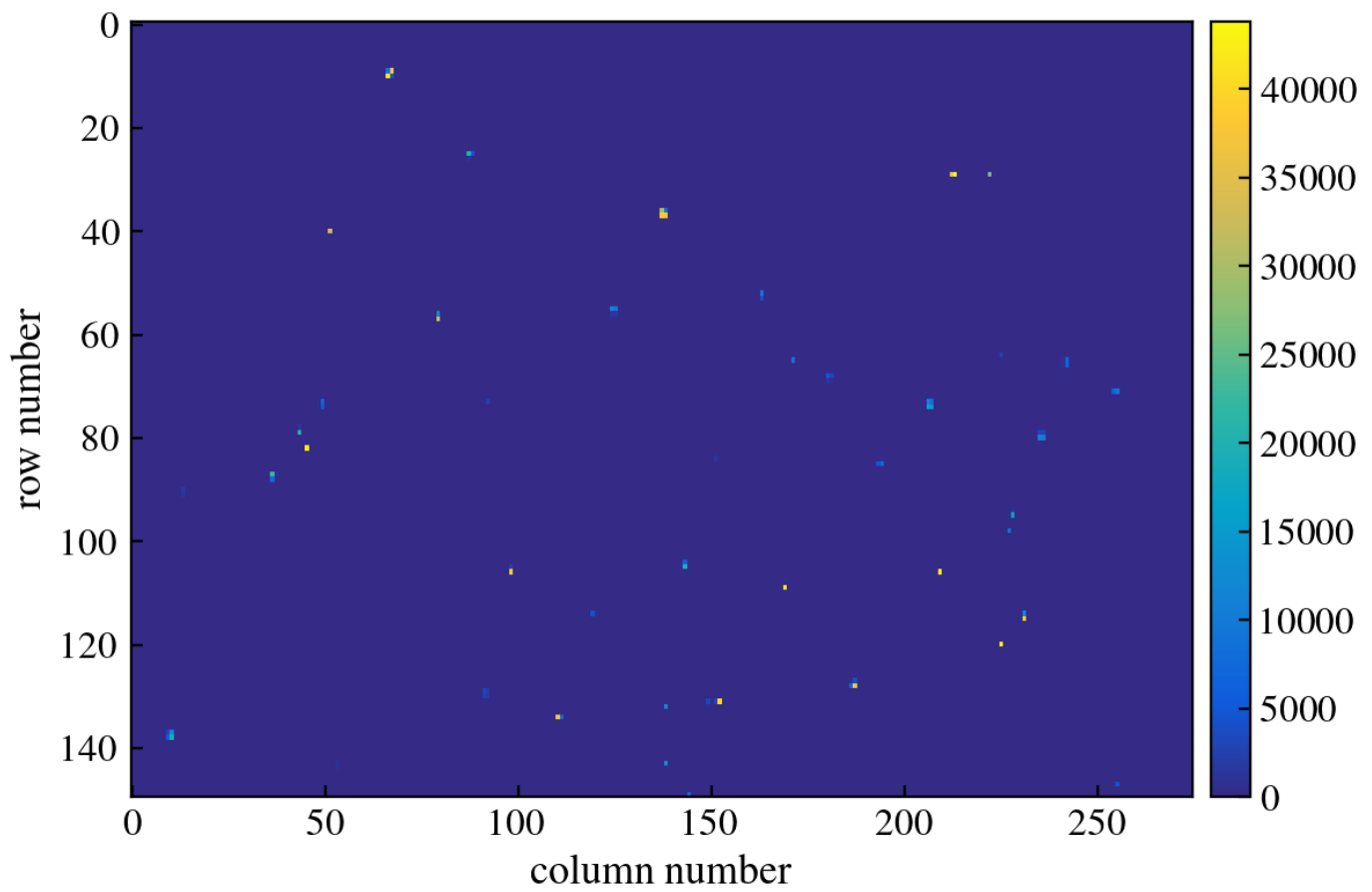


Figure 337: CCD Image

CCD Image: run 454, image 374  
[class MECCDImage]

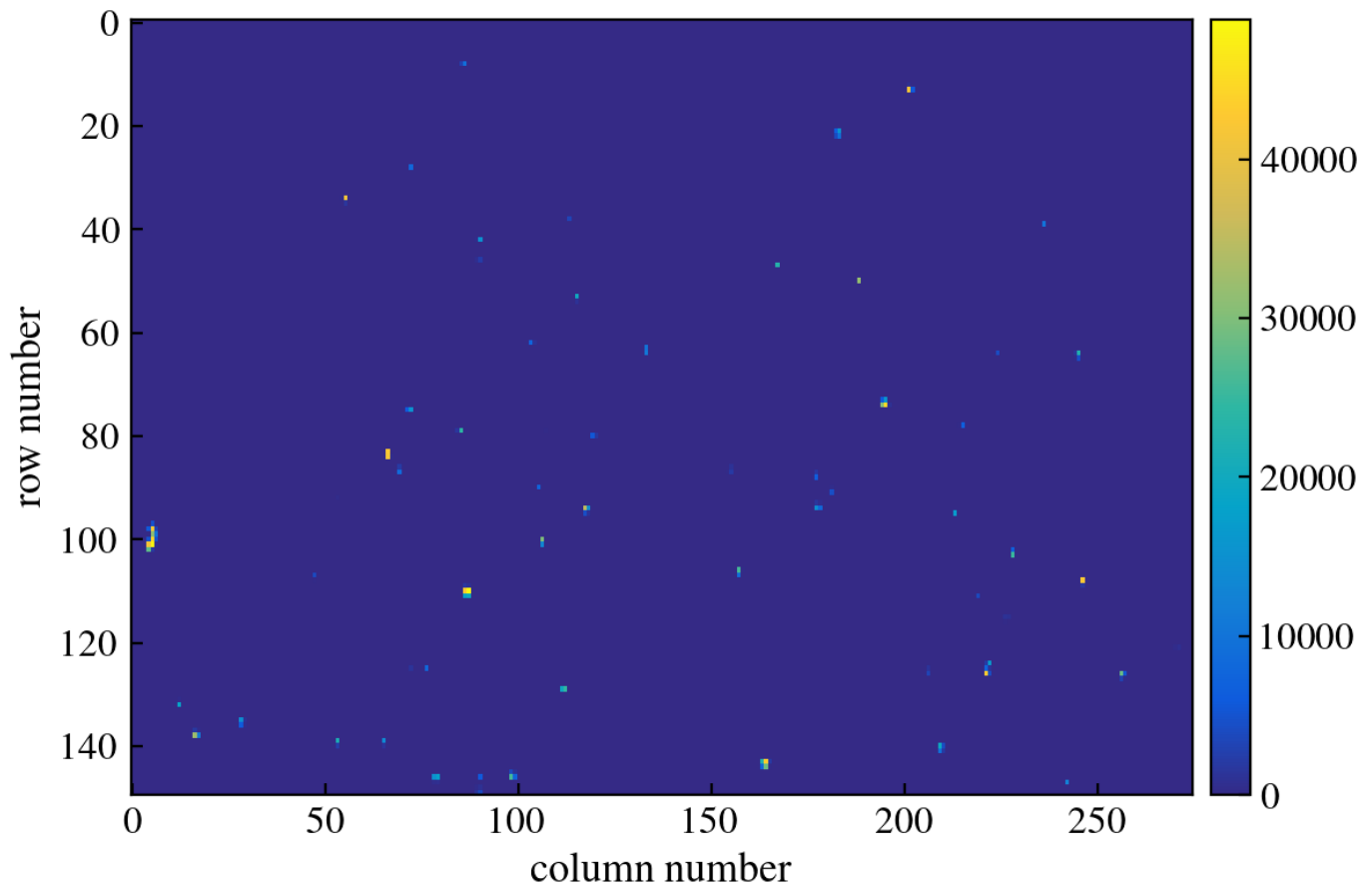


Figure 338: CCD Image

CCD Image: run 454, image 375  
[class MECCDImage]

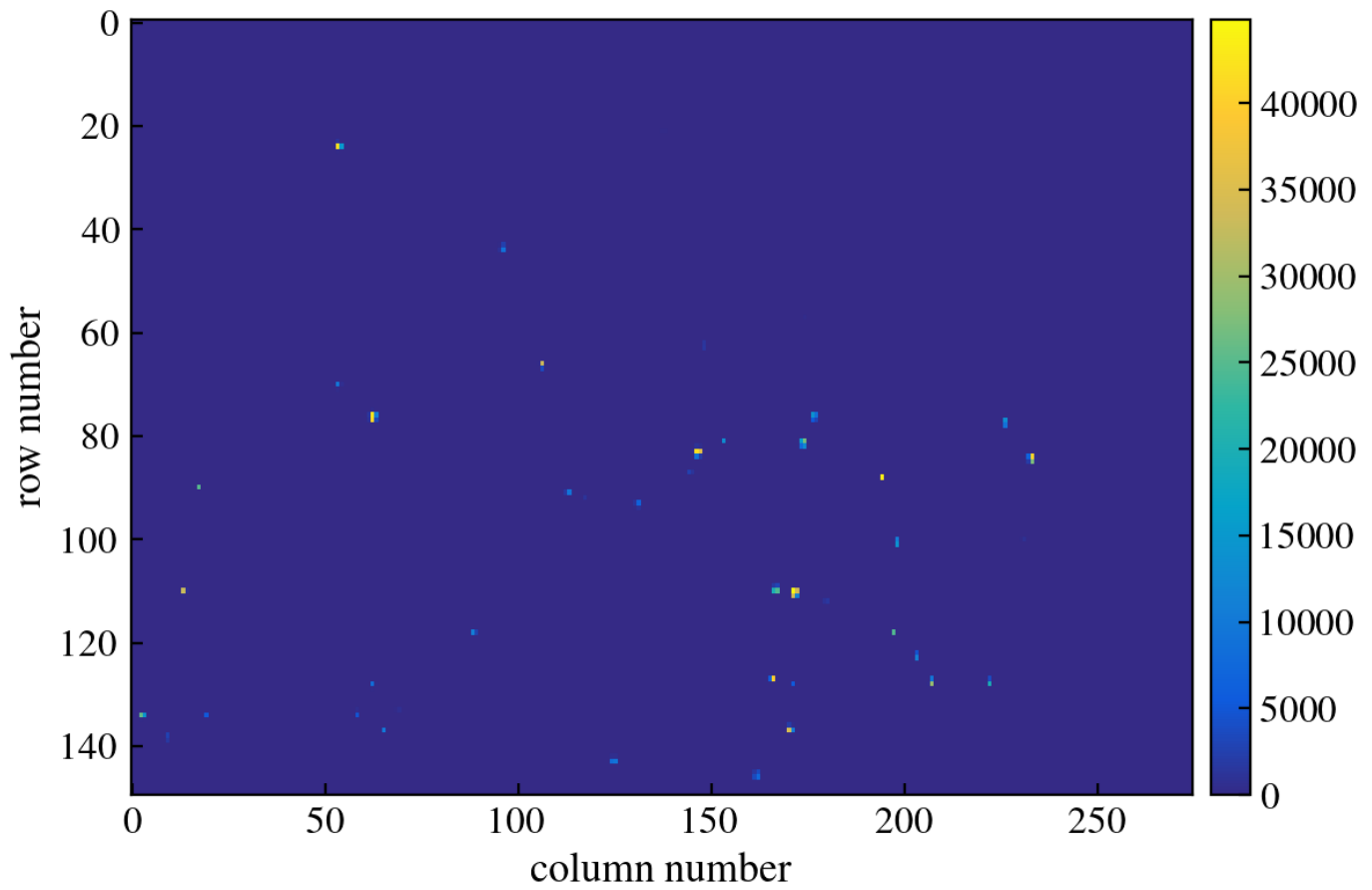


Figure 339: CCD Image

CCD Image: run 454, image 376  
[class MECCDImage]

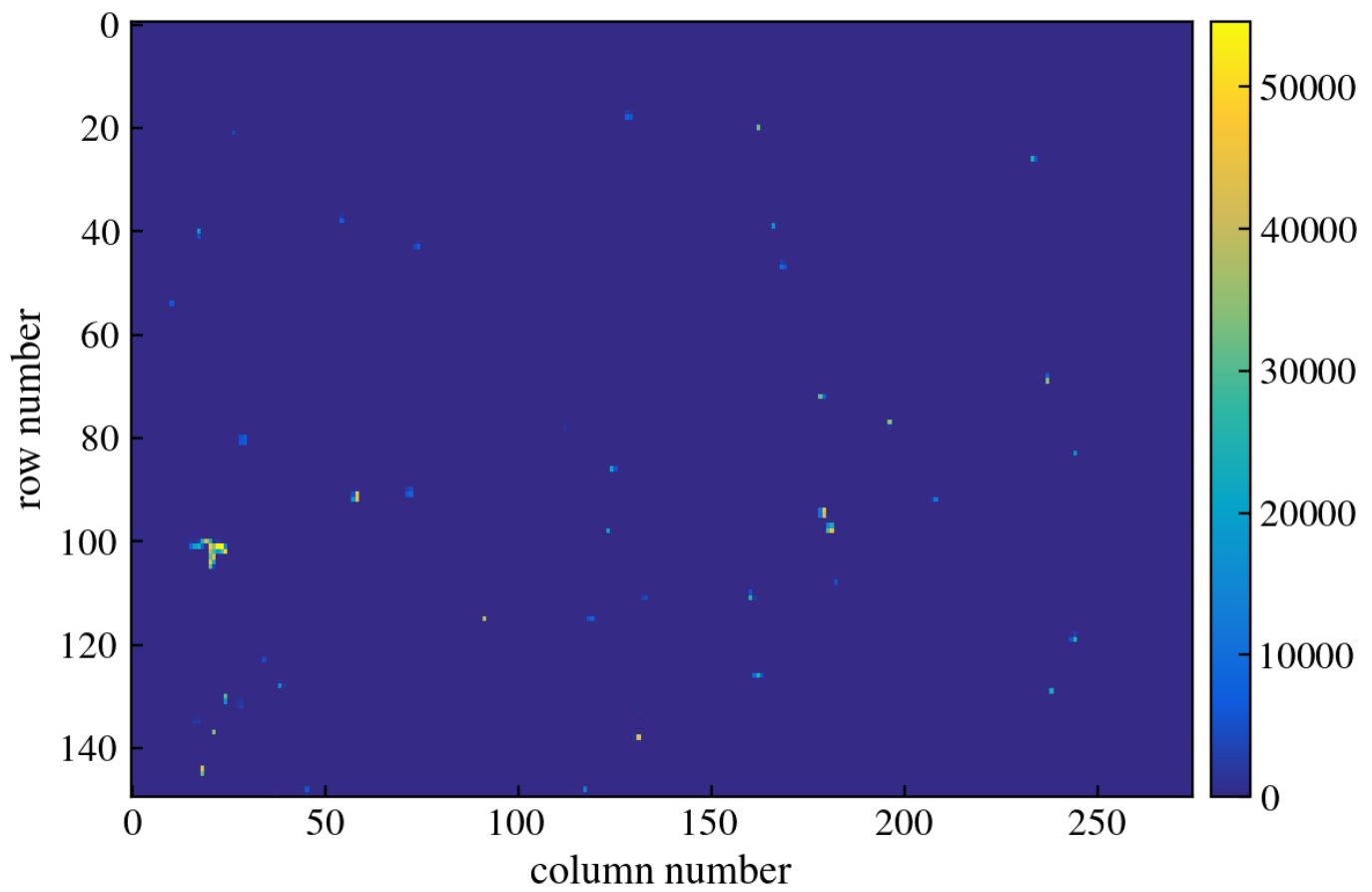


Figure 340: CCD Image

CCD Image: run 454, image 377  
[class MECCDImage]

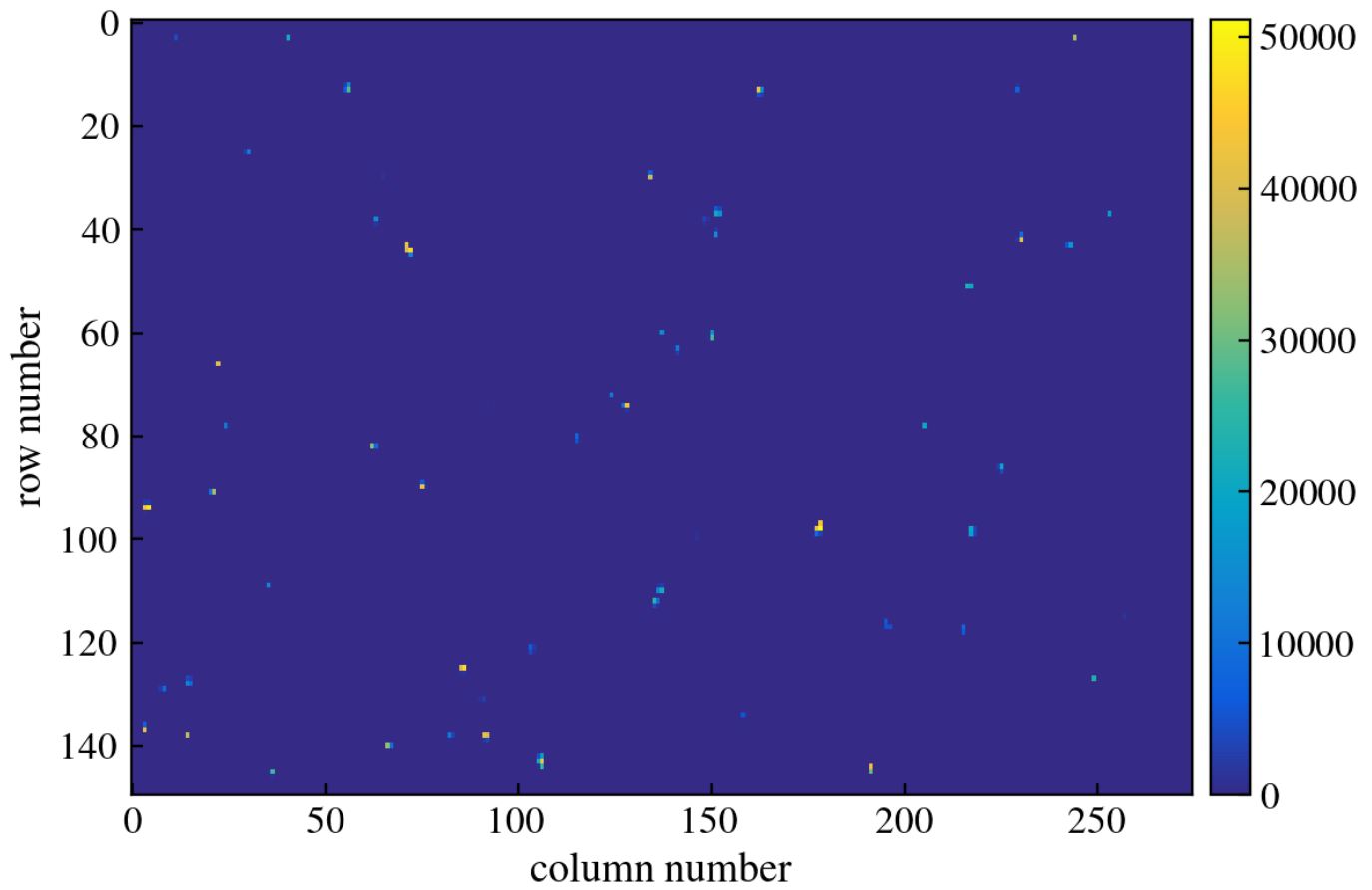


Figure 341: CCD Image

CCD Image: run 454, image 378  
[class MECCDImage]

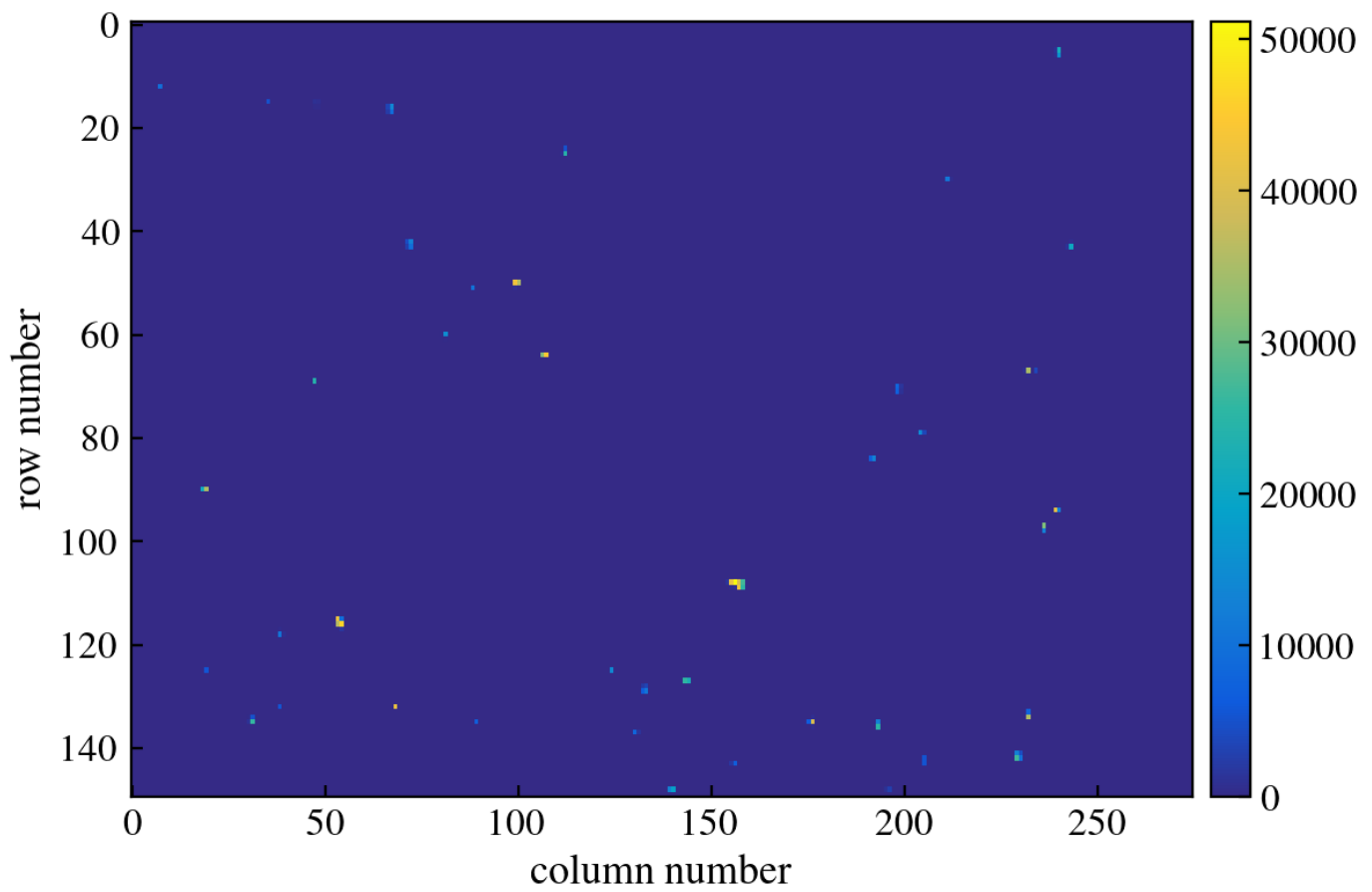


Figure 342: CCD Image

CCD Image: run 454, image 379  
[class MECCDImage]

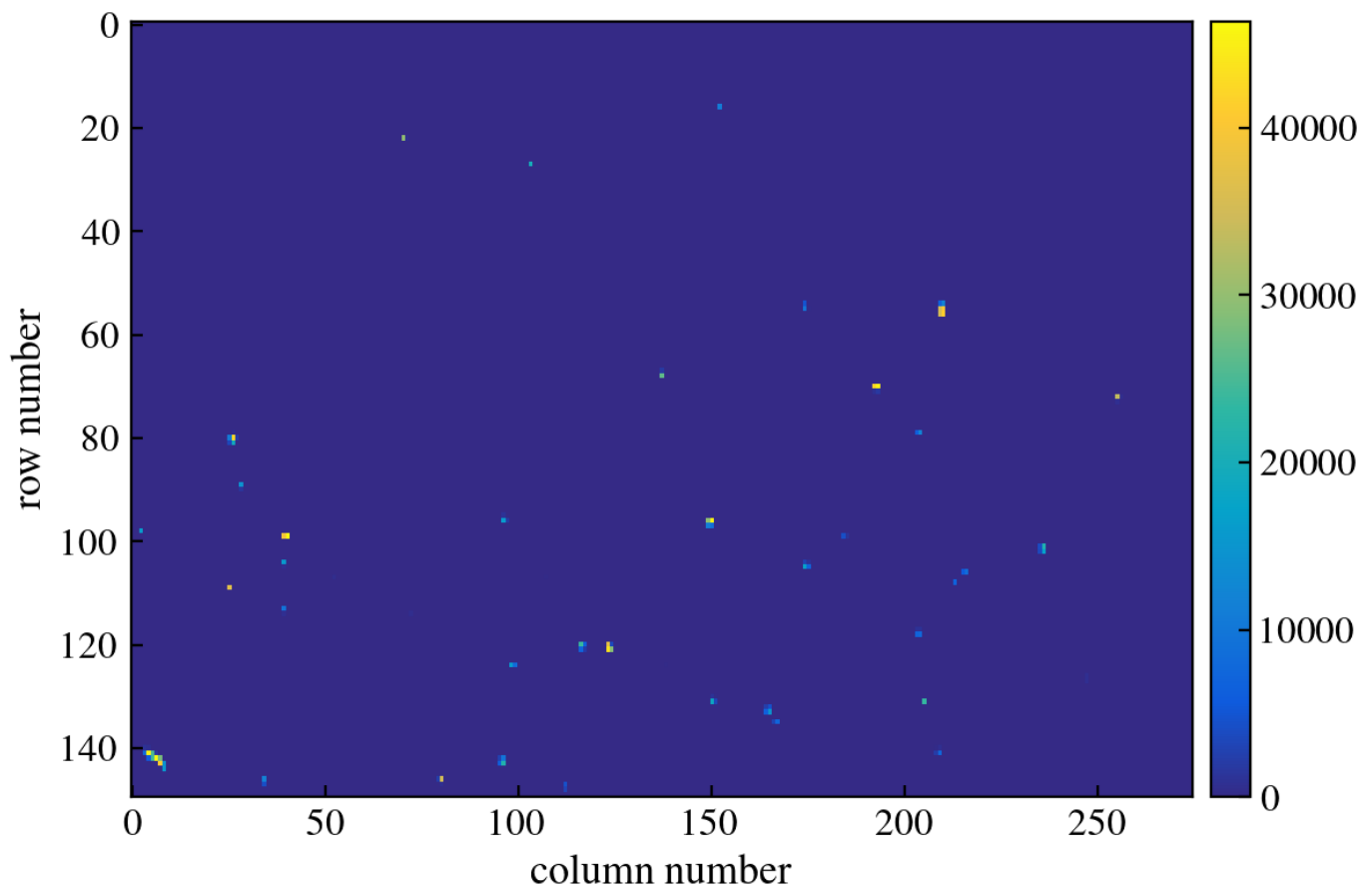


Figure 343: CCD Image



CCD Image: run 454, image 38  
[class MECCDImage]

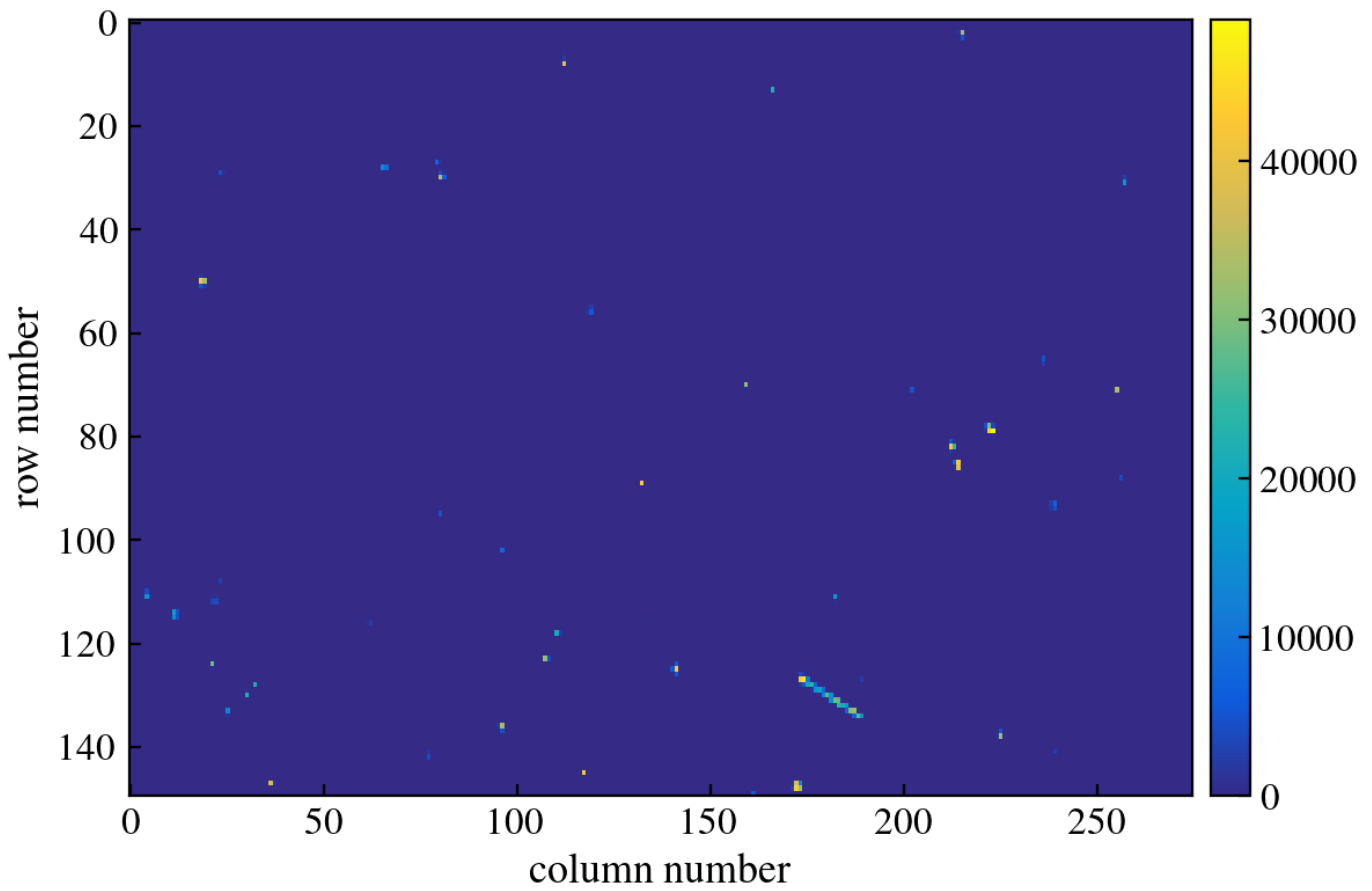


Figure 344: CCD Image

CCD Image: run 454, image 380  
[class MECCDImage]

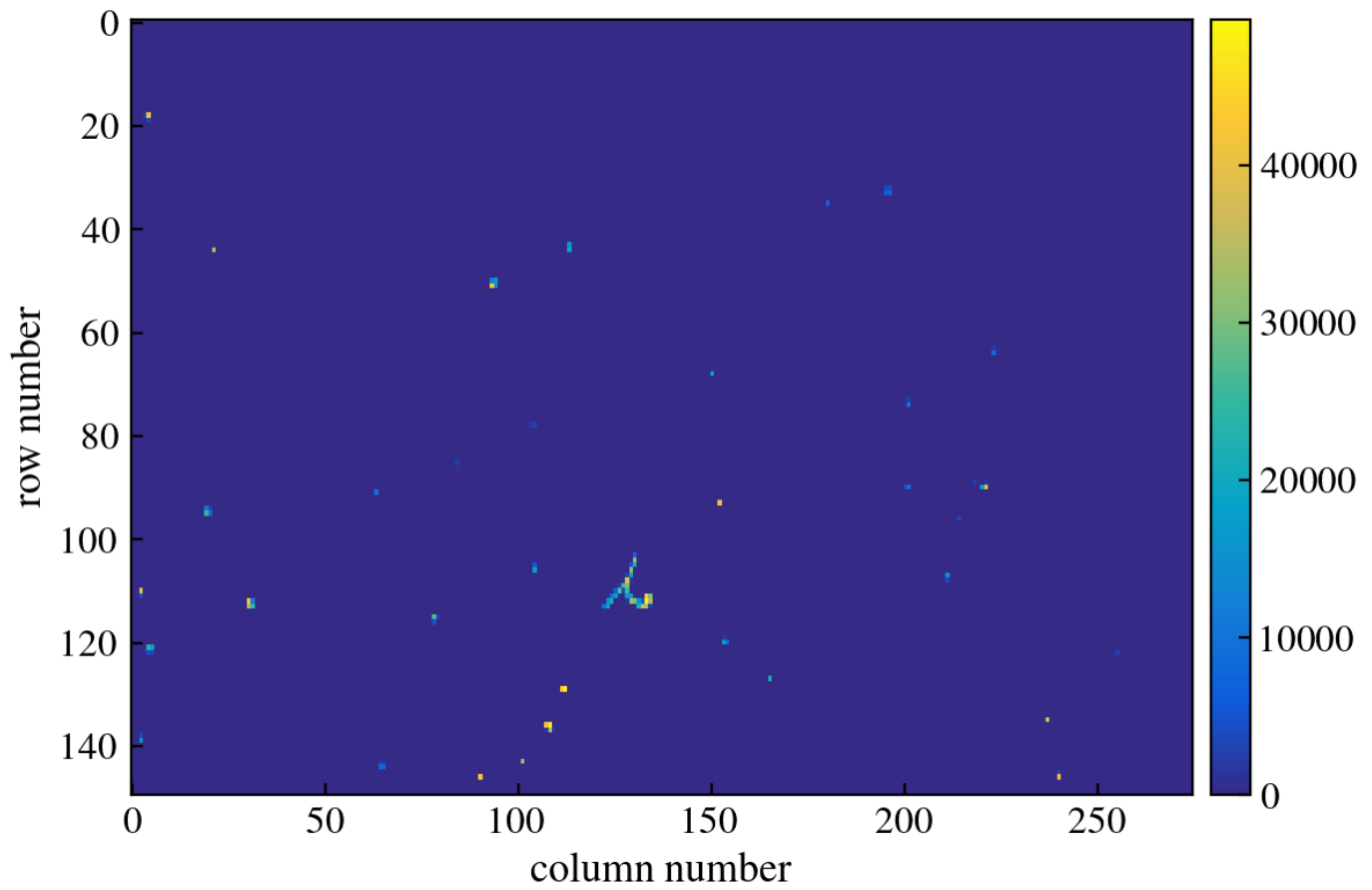


Figure 345: CCD Image

CCD Image: run 454, image 381  
[class MECCDImage]

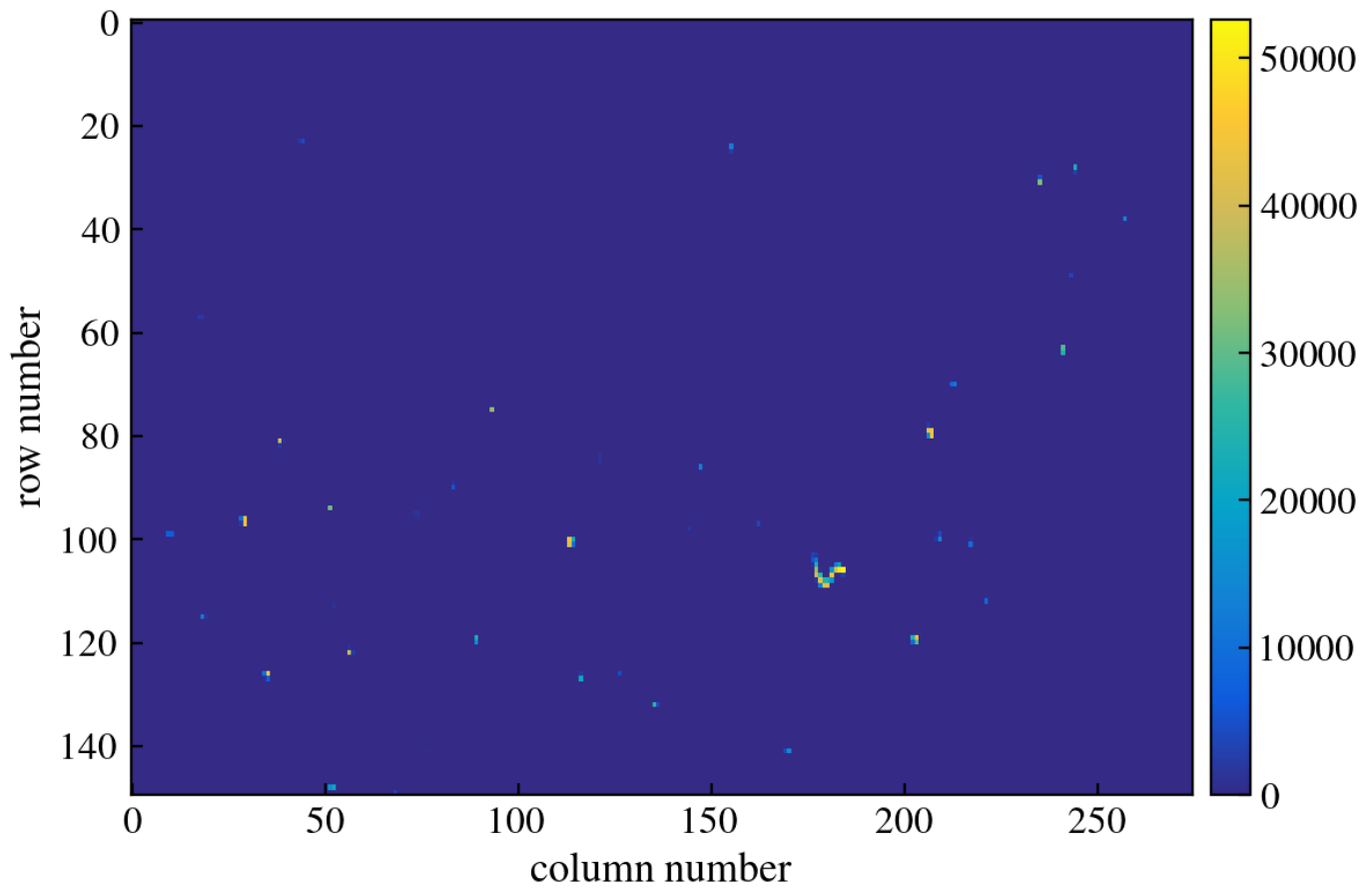


Figure 346: CCD Image

CCD Image: run 454, image 382  
[class MECCDImage]

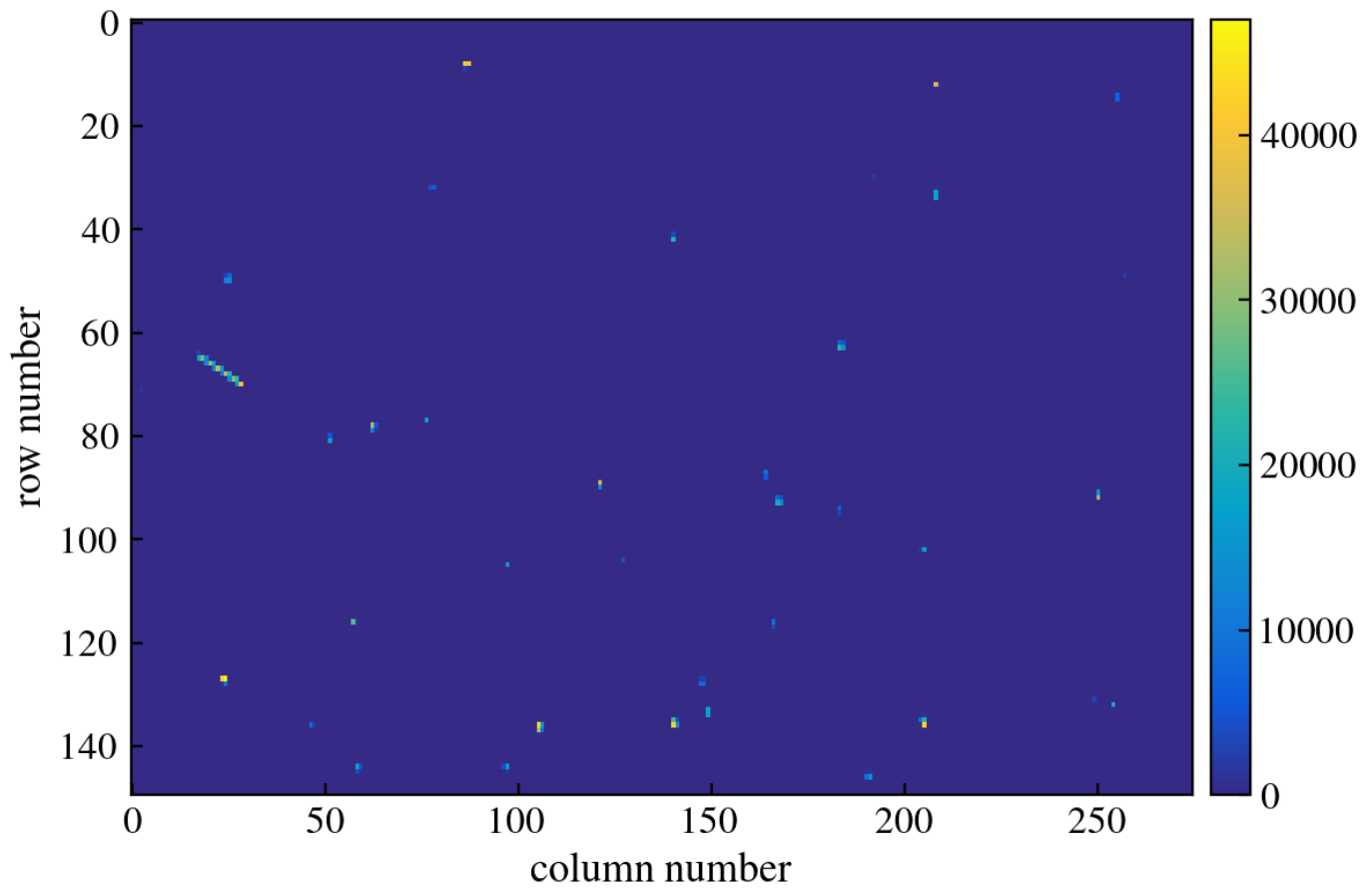


Figure 347: CCD Image

CCD Image: run 454, image 383  
[class MECCDImage]

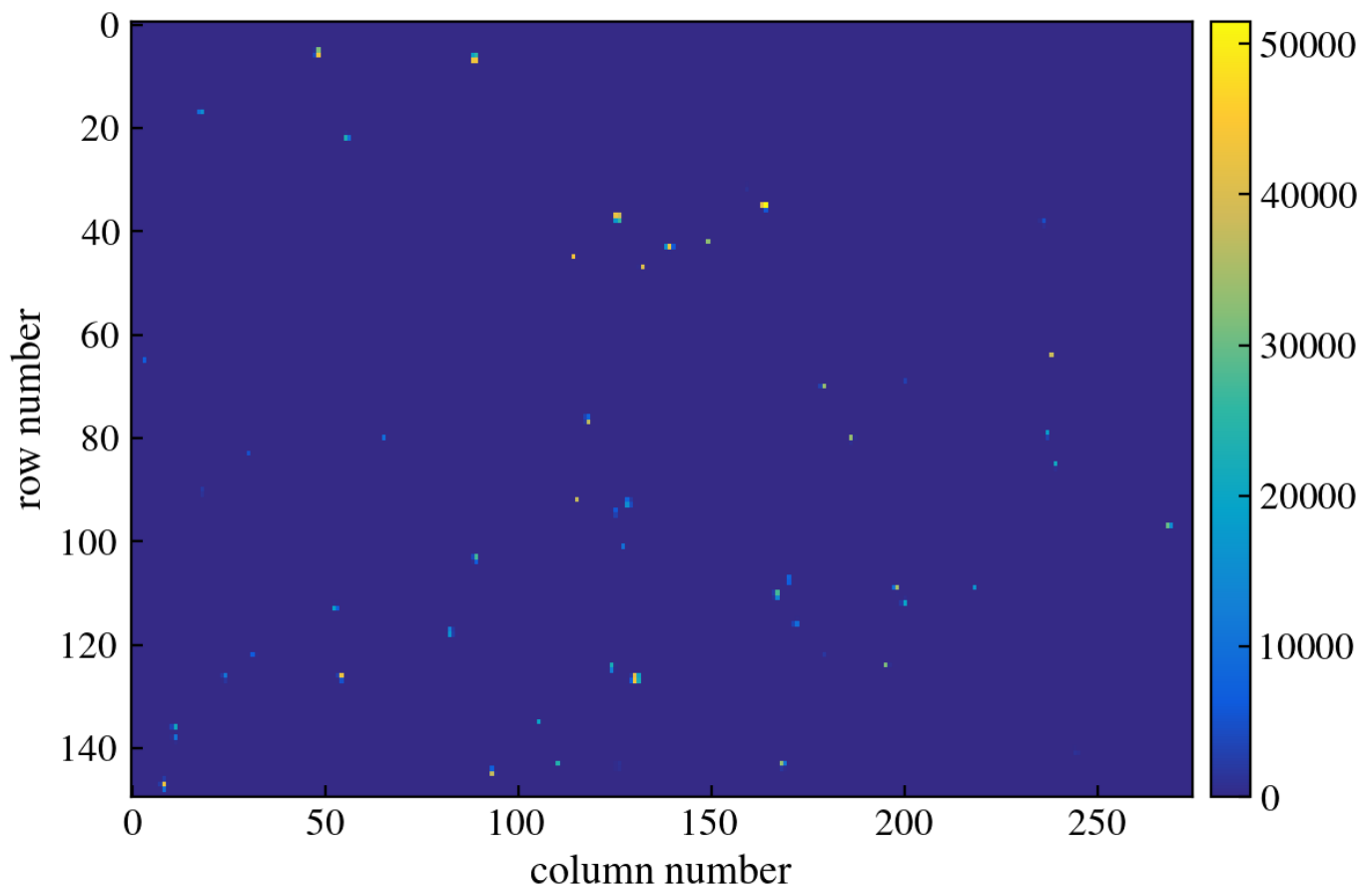


Figure 348: CCD Image

CCD Image: run 454, image 384  
[class MECCDImage]

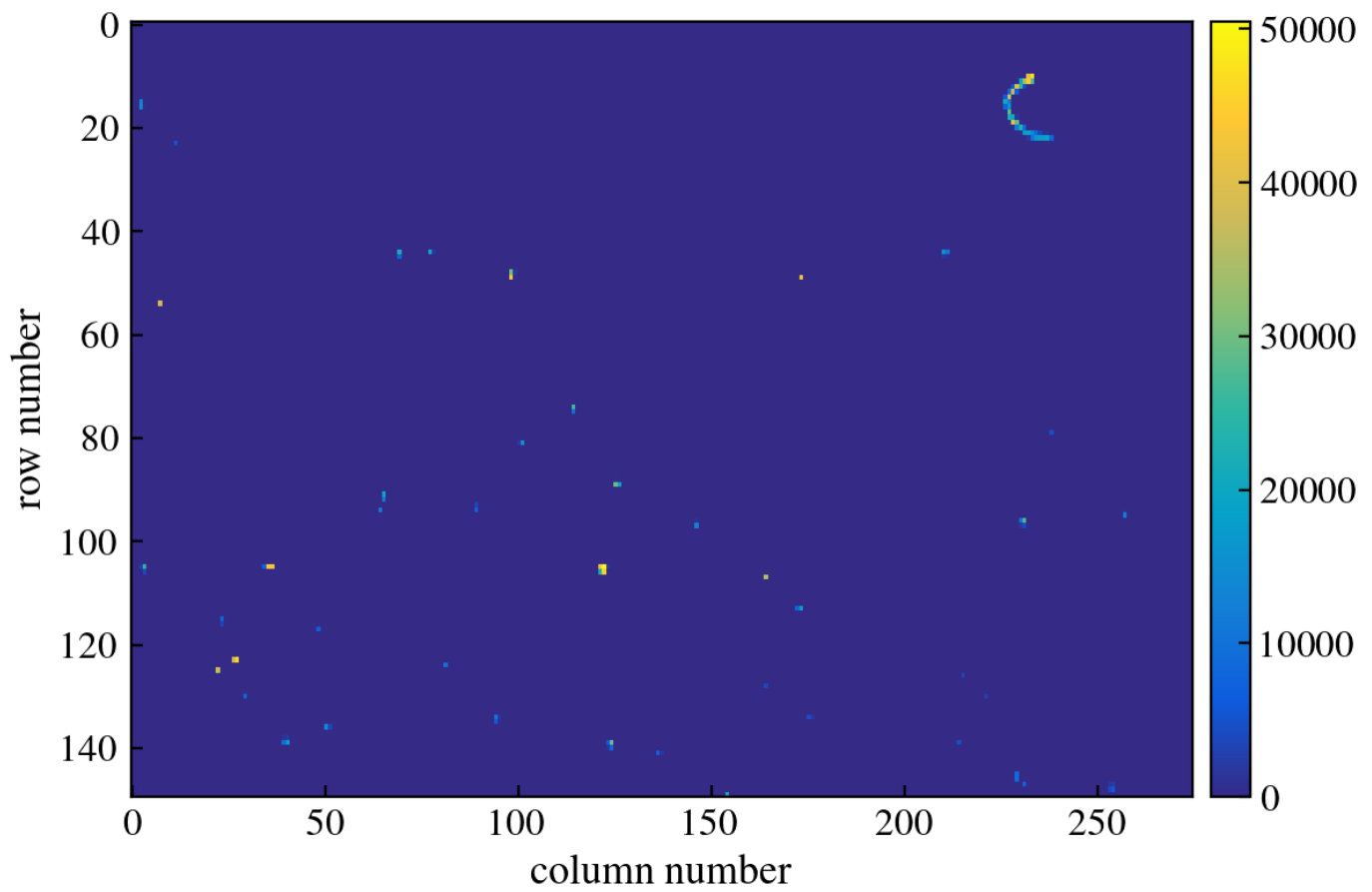


Figure 349: CCD Image

CCD Image: run 454, image 385  
[class MECCDImage]

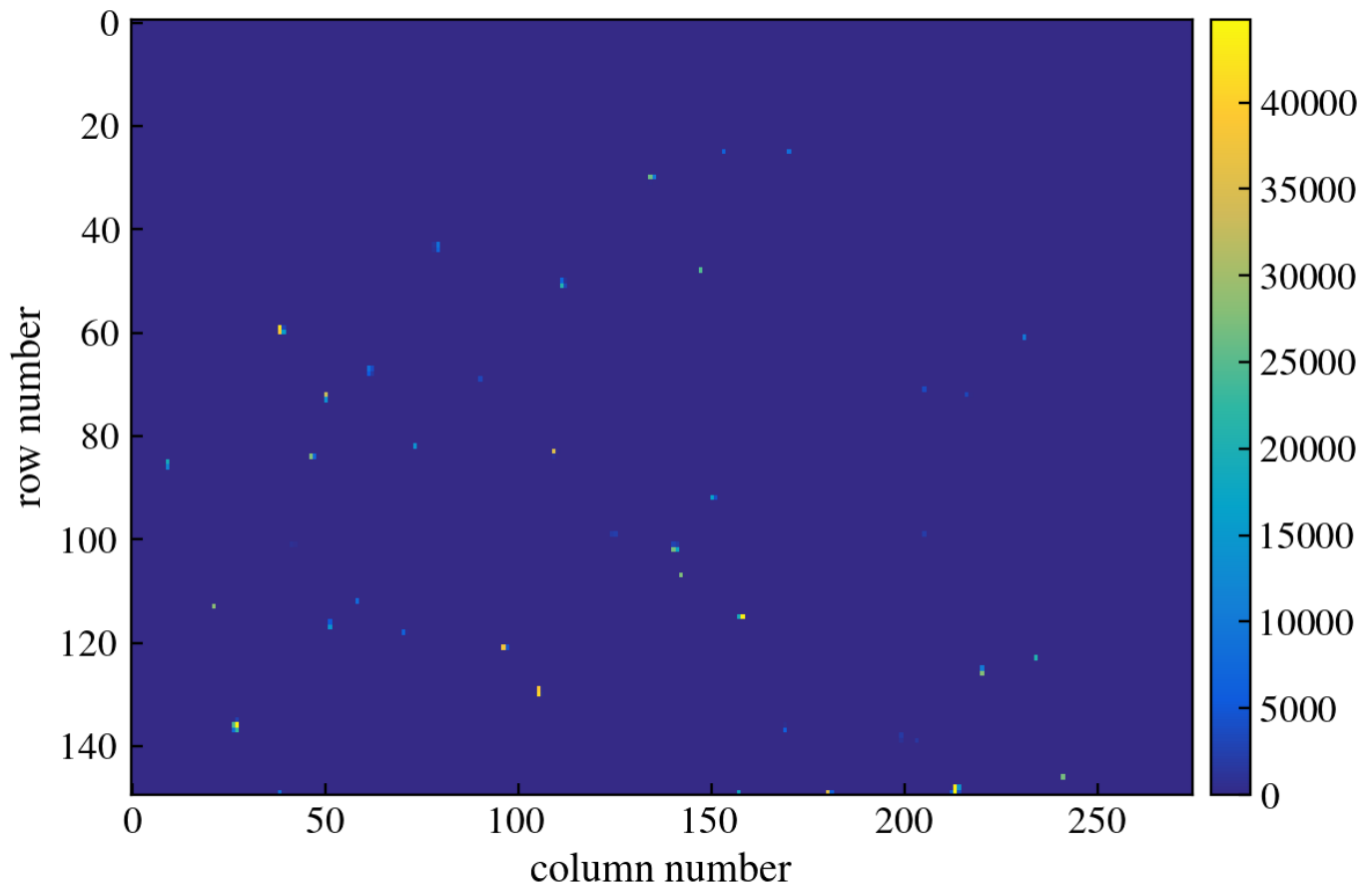


Figure 350: CCD Image

CCD Image: run 454, image 386  
[class MECCDImage]

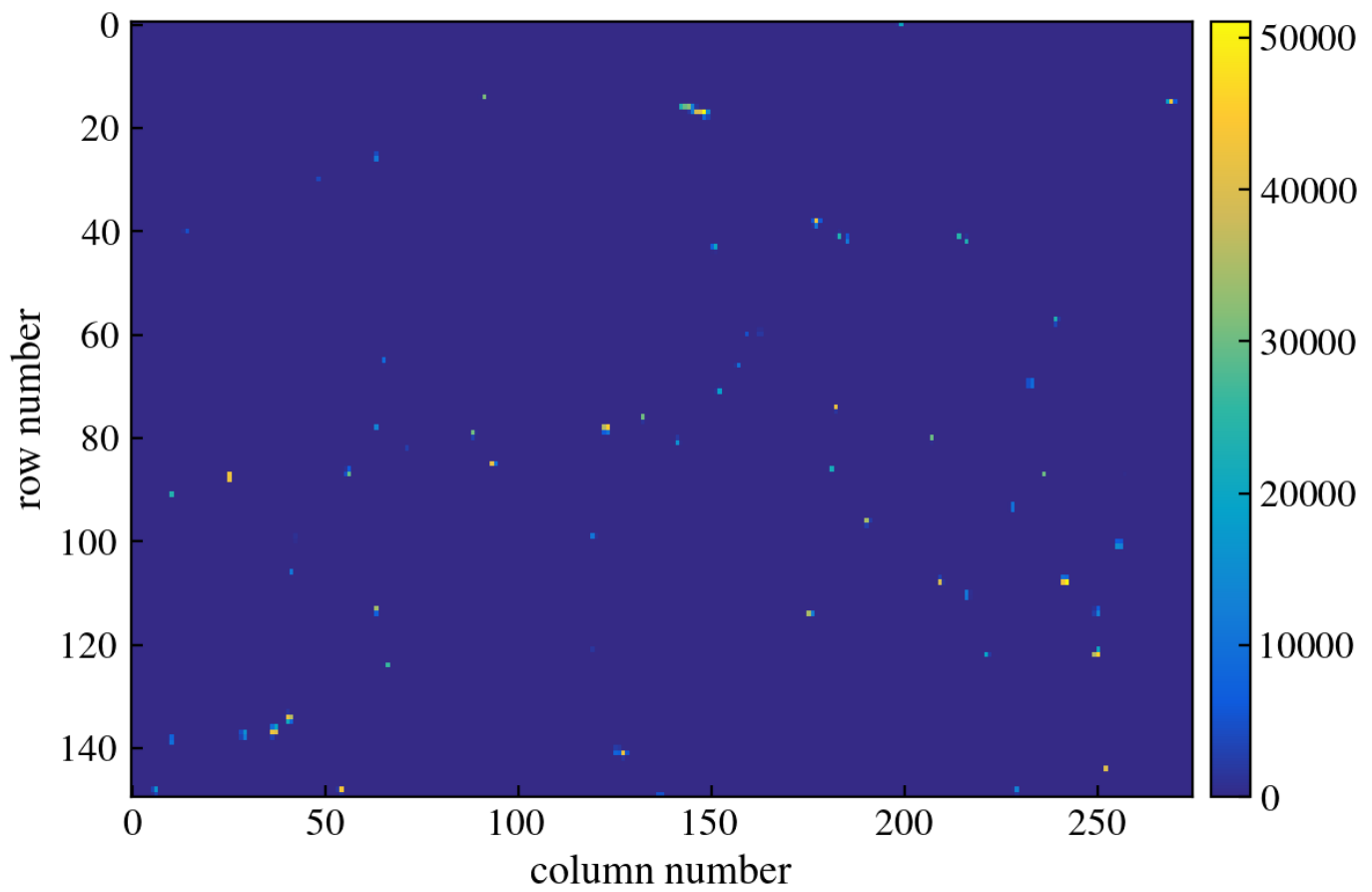


Figure 351: CCD Image



CCD Image: run 454, image 387  
[class MECCDImage]

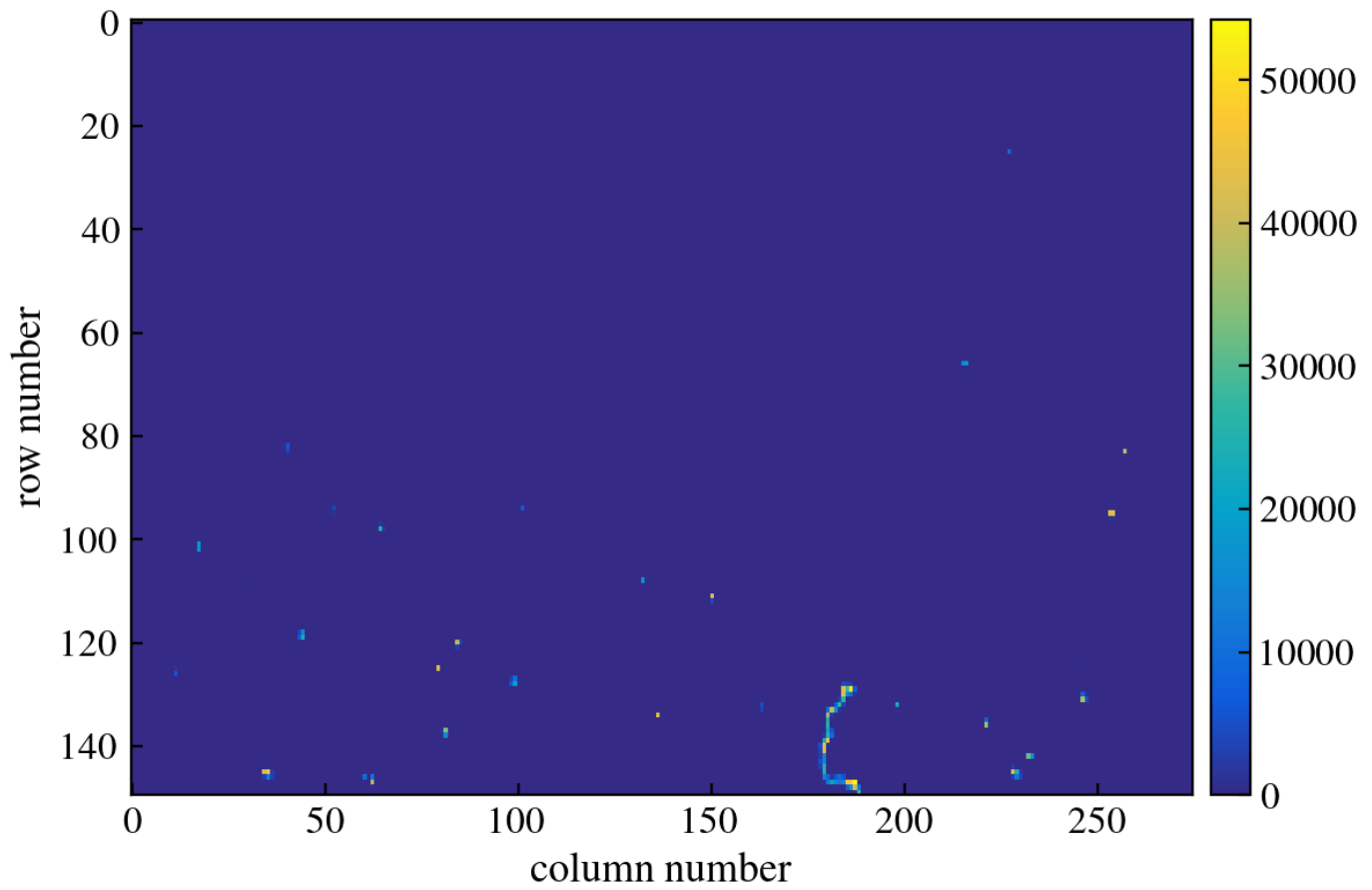


Figure 352: CCD Image

CCD Image: run 454, image 388  
[class MECCDImage]

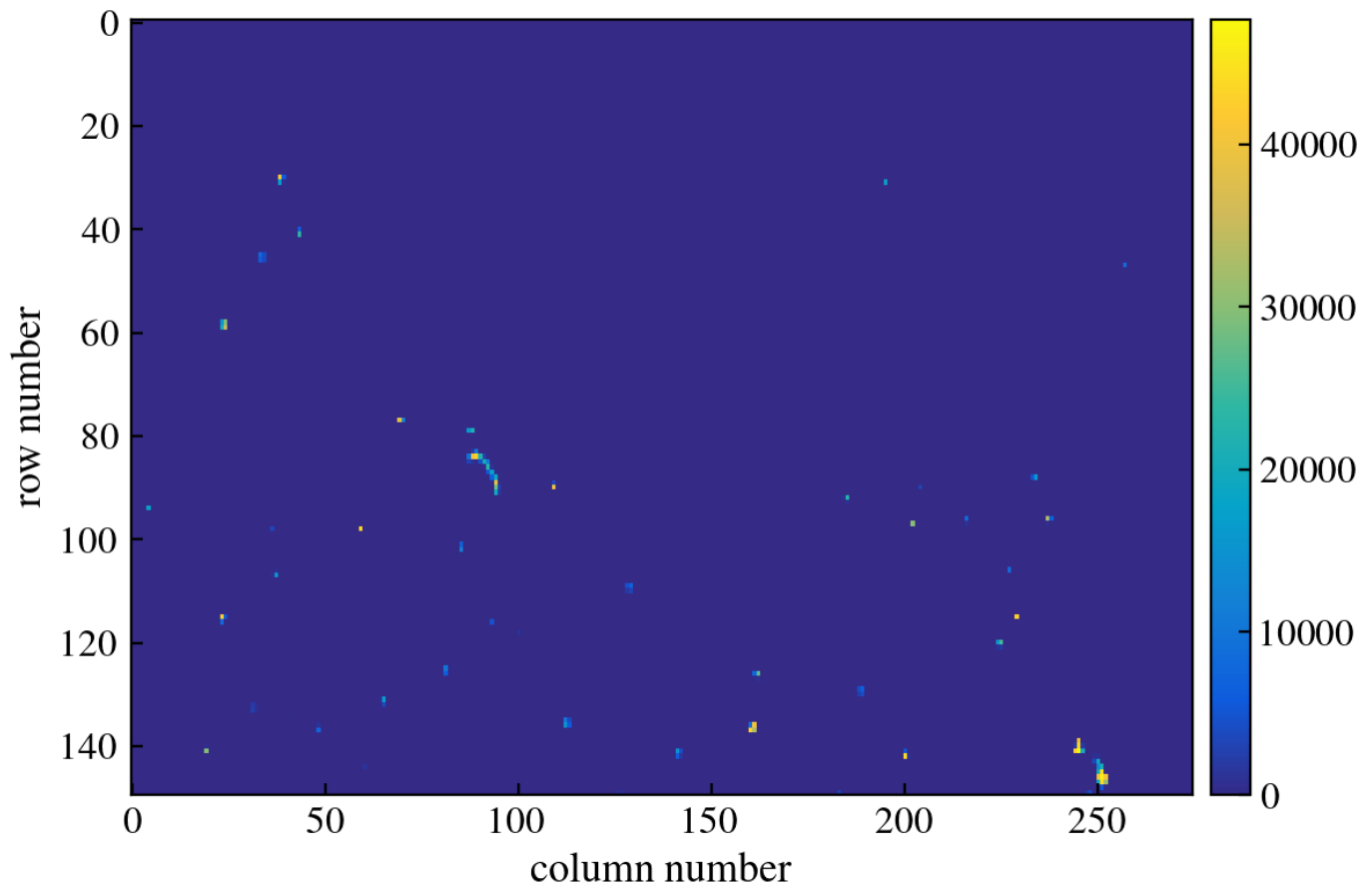


Figure 353: CCD Image

CCD Image: run 454, image 389  
[class MECCDImage]

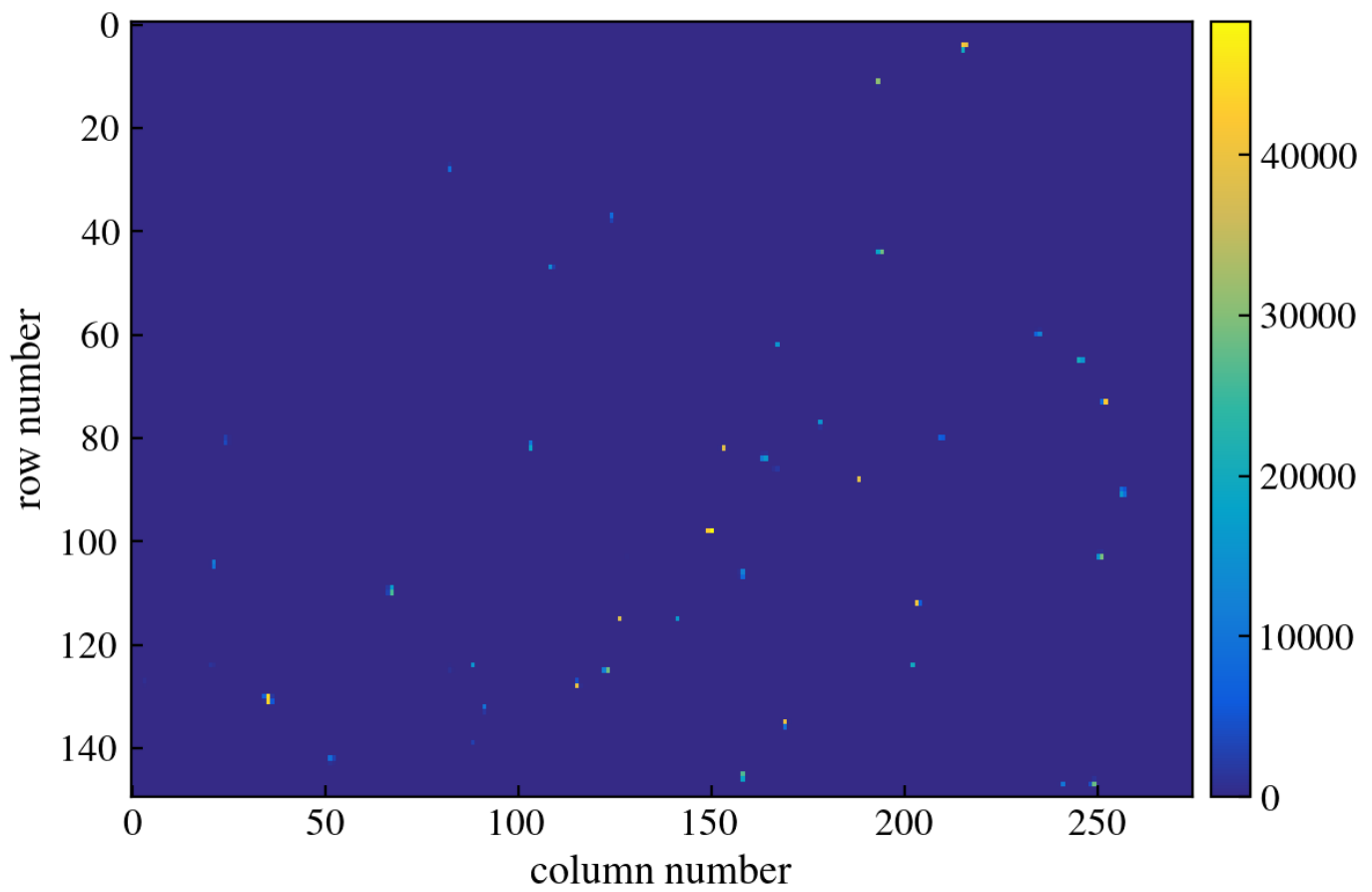


Figure 354: CCD Image

CCD Image: run 454, image 39  
[class MECCDImage]

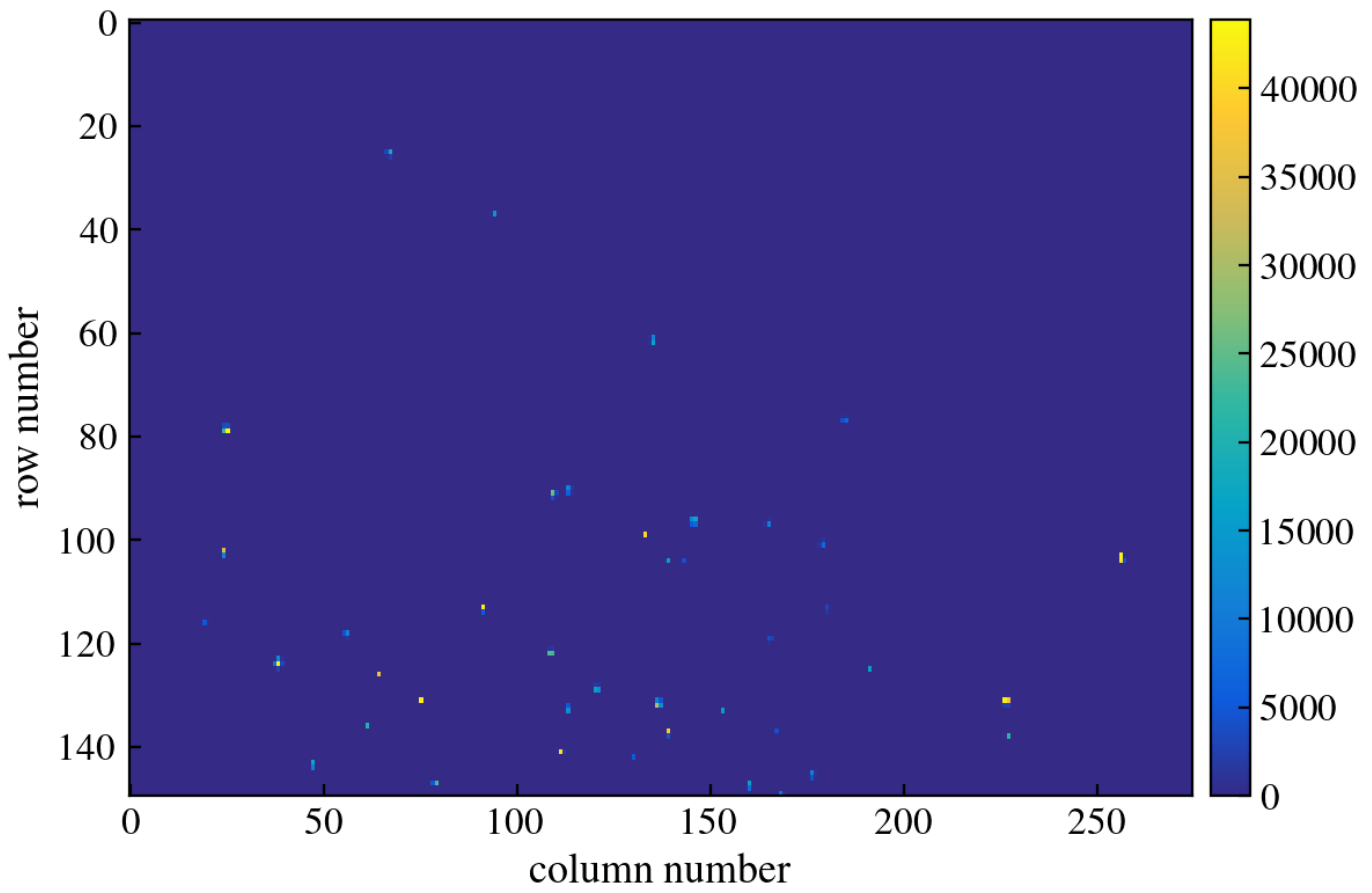


Figure 355: CCD Image

CCD Image: run 454, image 390  
[class MECCDImage]

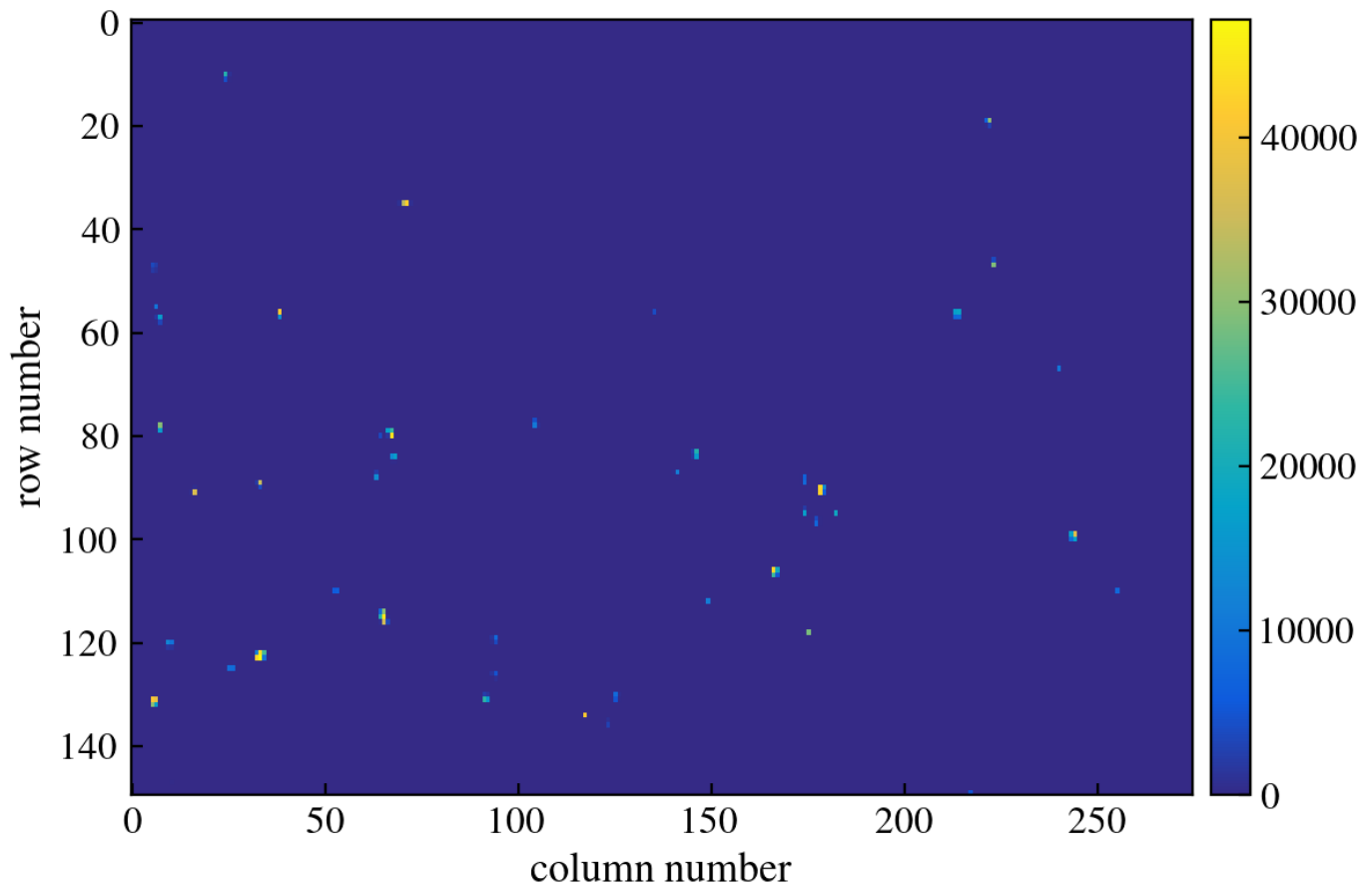


Figure 356: CCD Image

CCD Image: run 454, image 391  
[class MECCDImage]

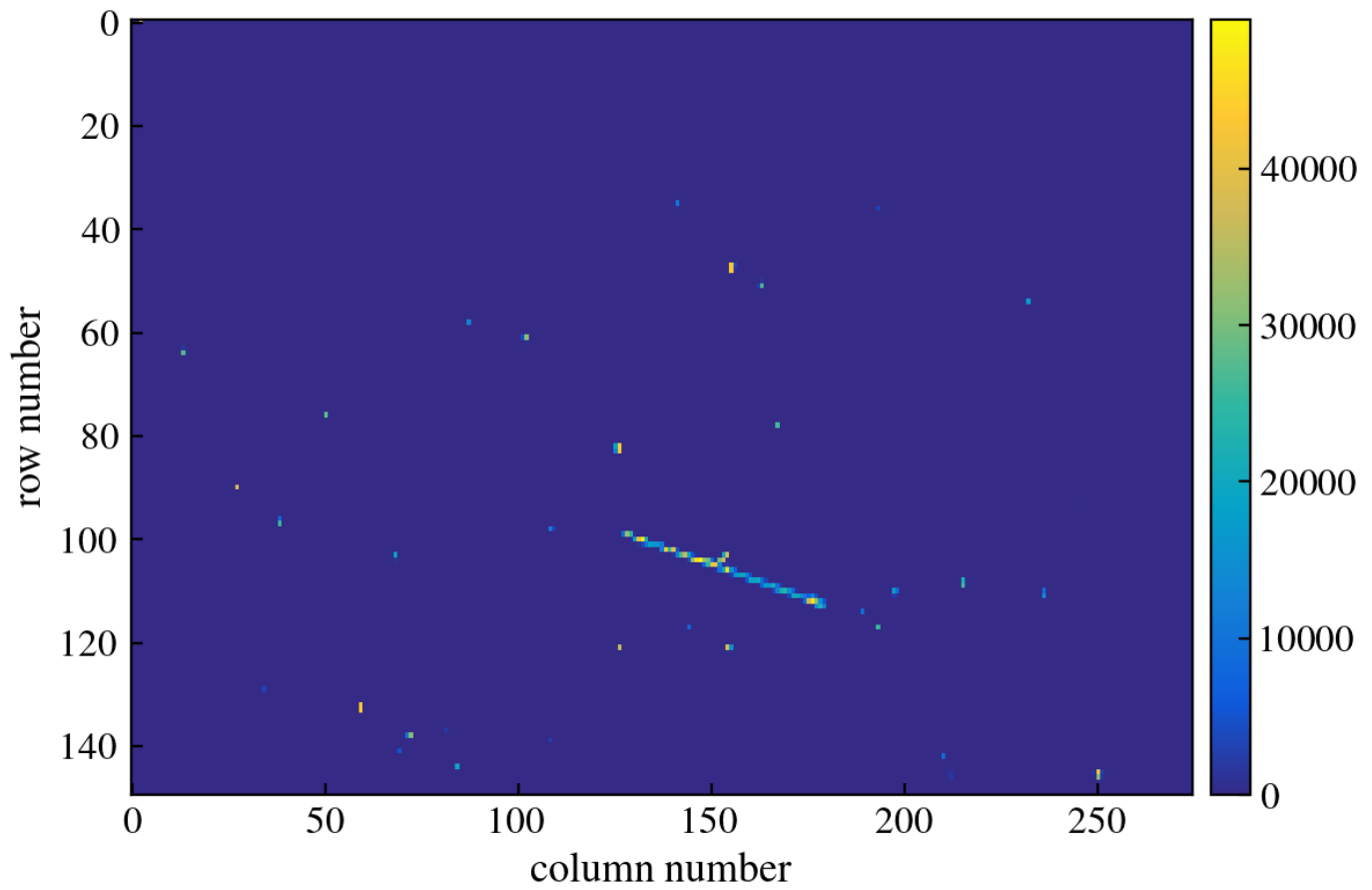


Figure 357: CCD Image

CCD Image: run 454, image 392  
[class MECCDImage]

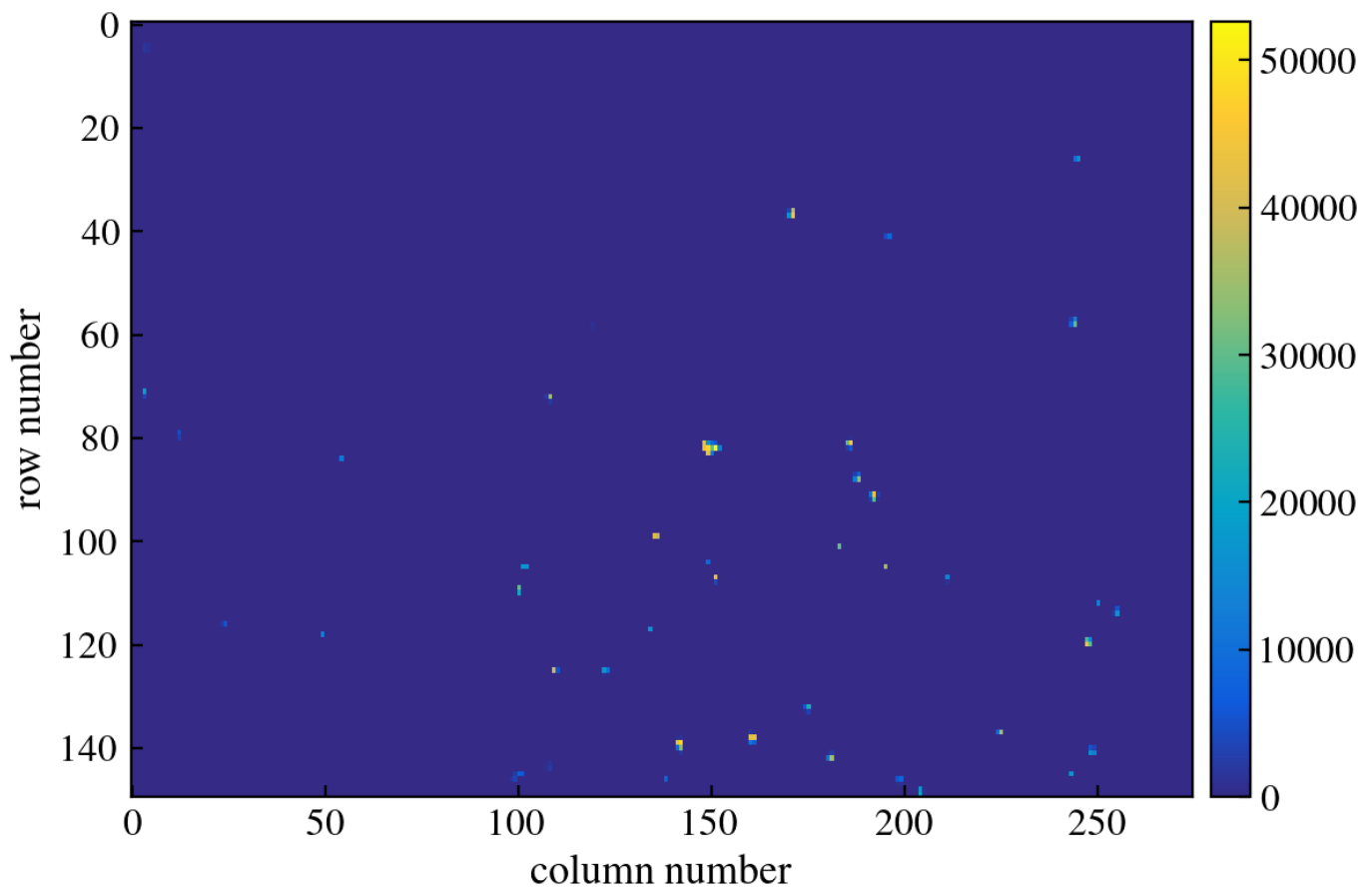


Figure 358: CCD Image

CCD Image: run 454, image 393  
[class MECCDImage]

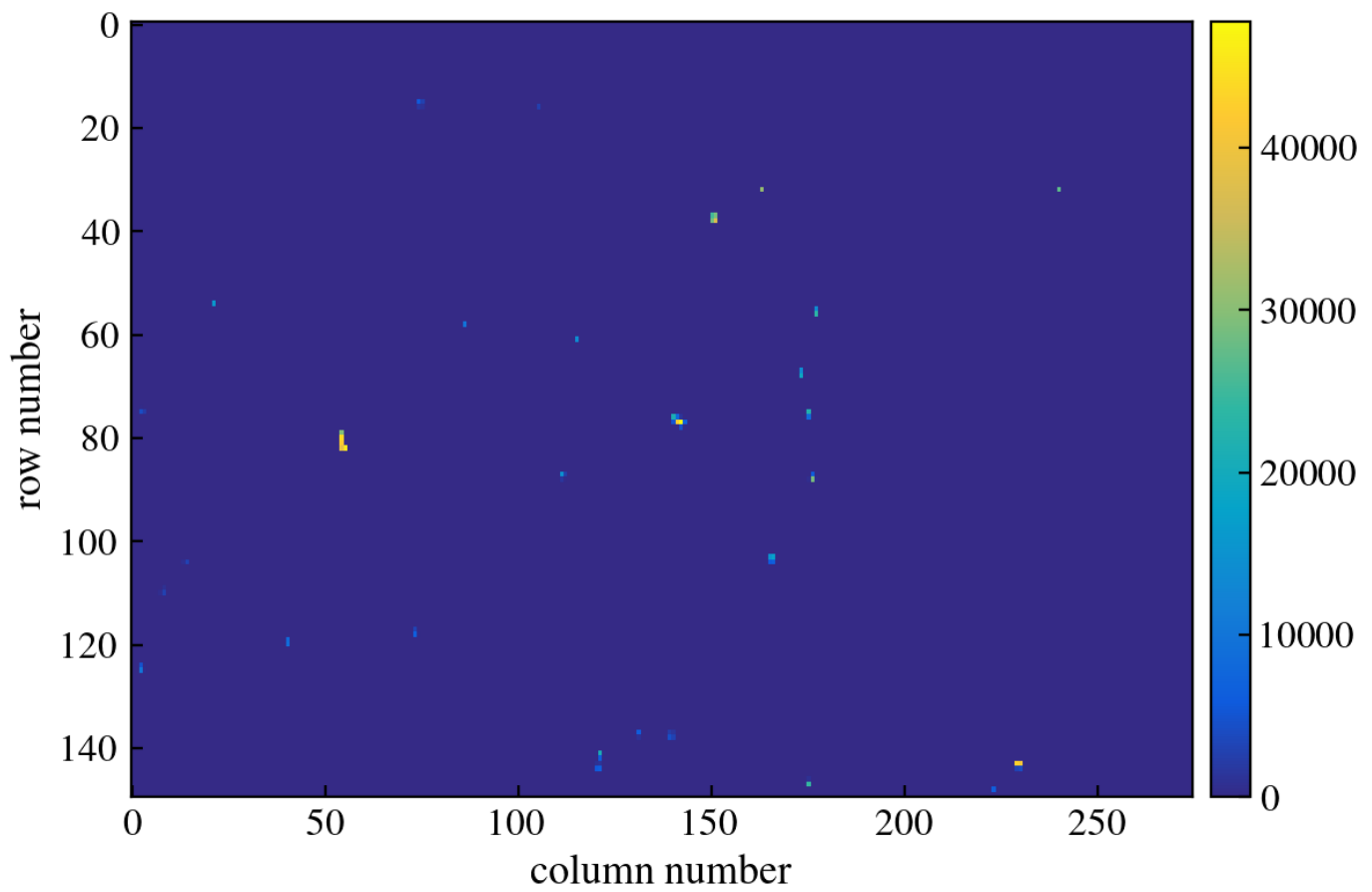


Figure 359: CCD Image



CCD Image: run 454, image 394  
[class MECCDImage]

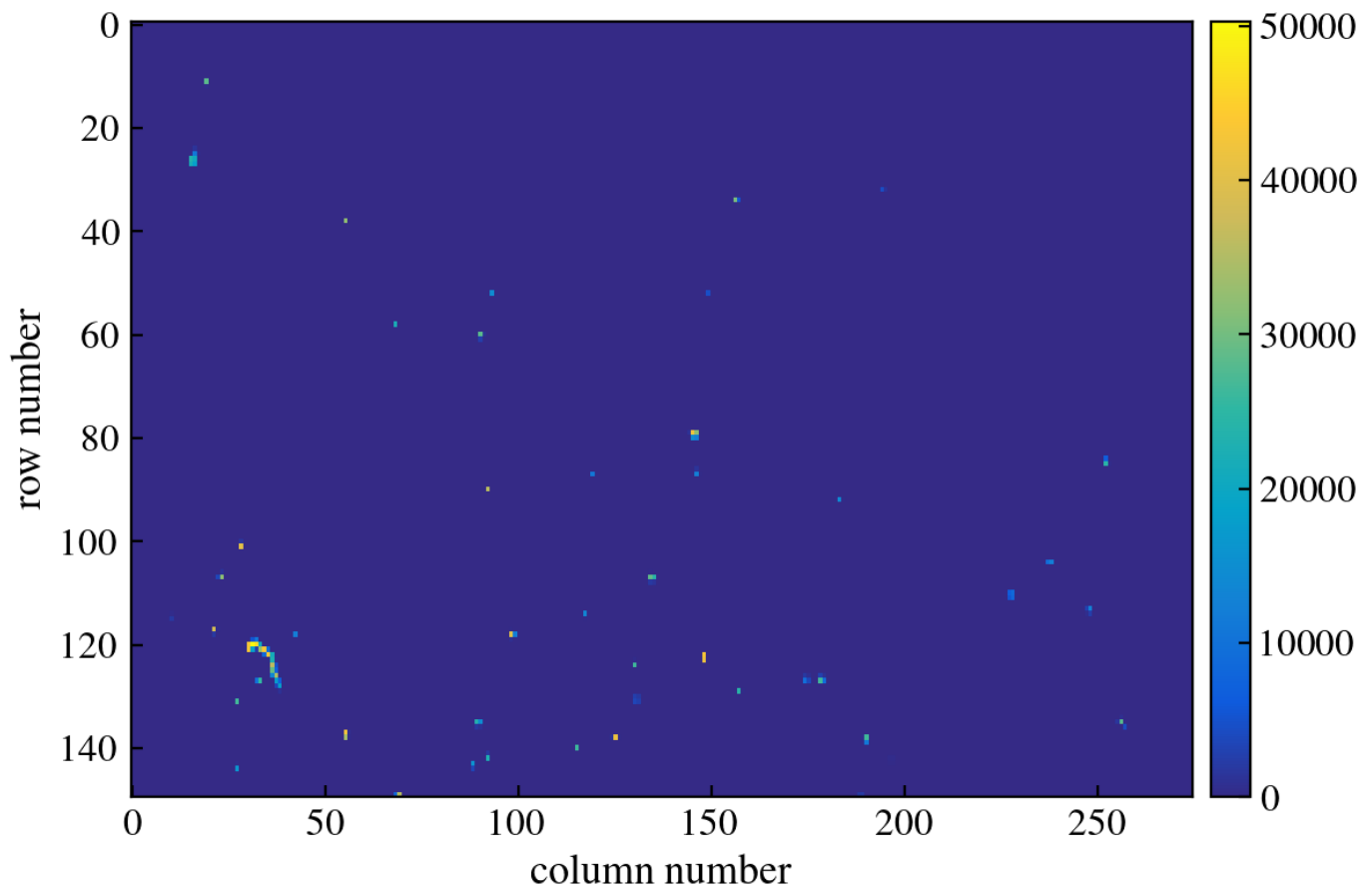


Figure 360: CCD Image

CCD Image: run 454, image 395  
[class MECCDImage]

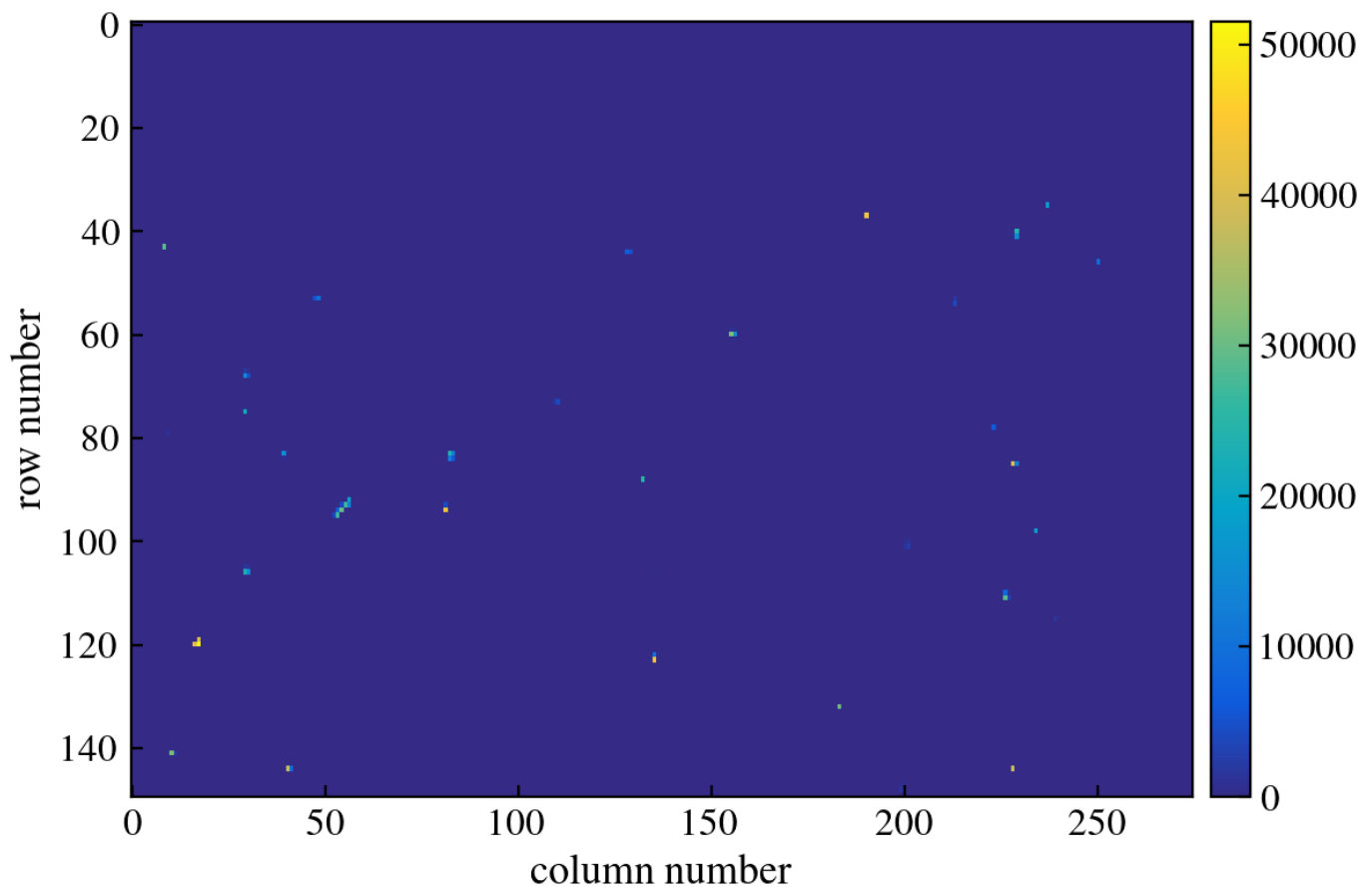


Figure 361: CCD Image

CCD Image: run 454, image 396  
[class MECCDImage]

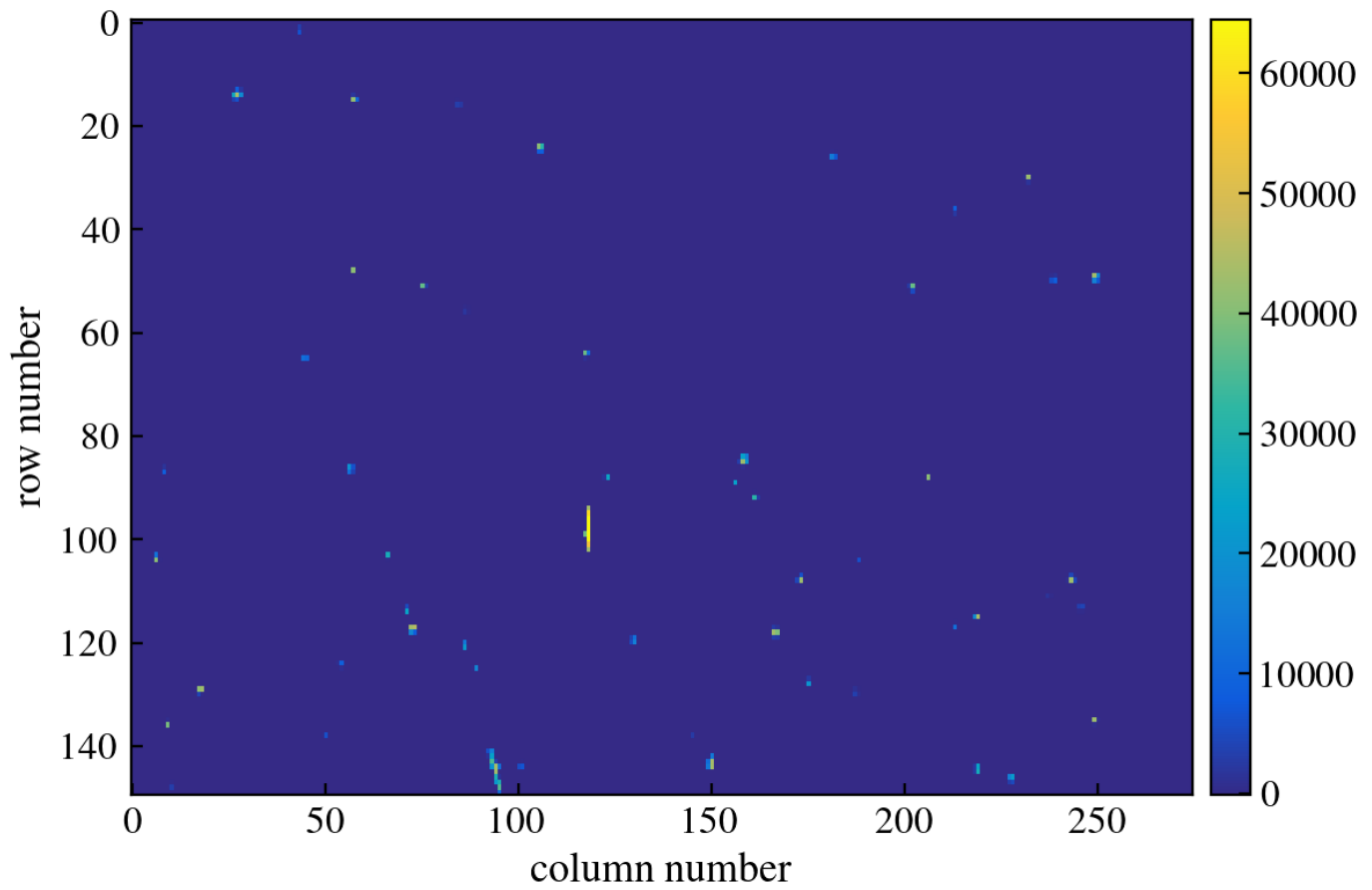


Figure 362: CCD Image

CCD Image: run 454, image 397  
[class MECCDImage]

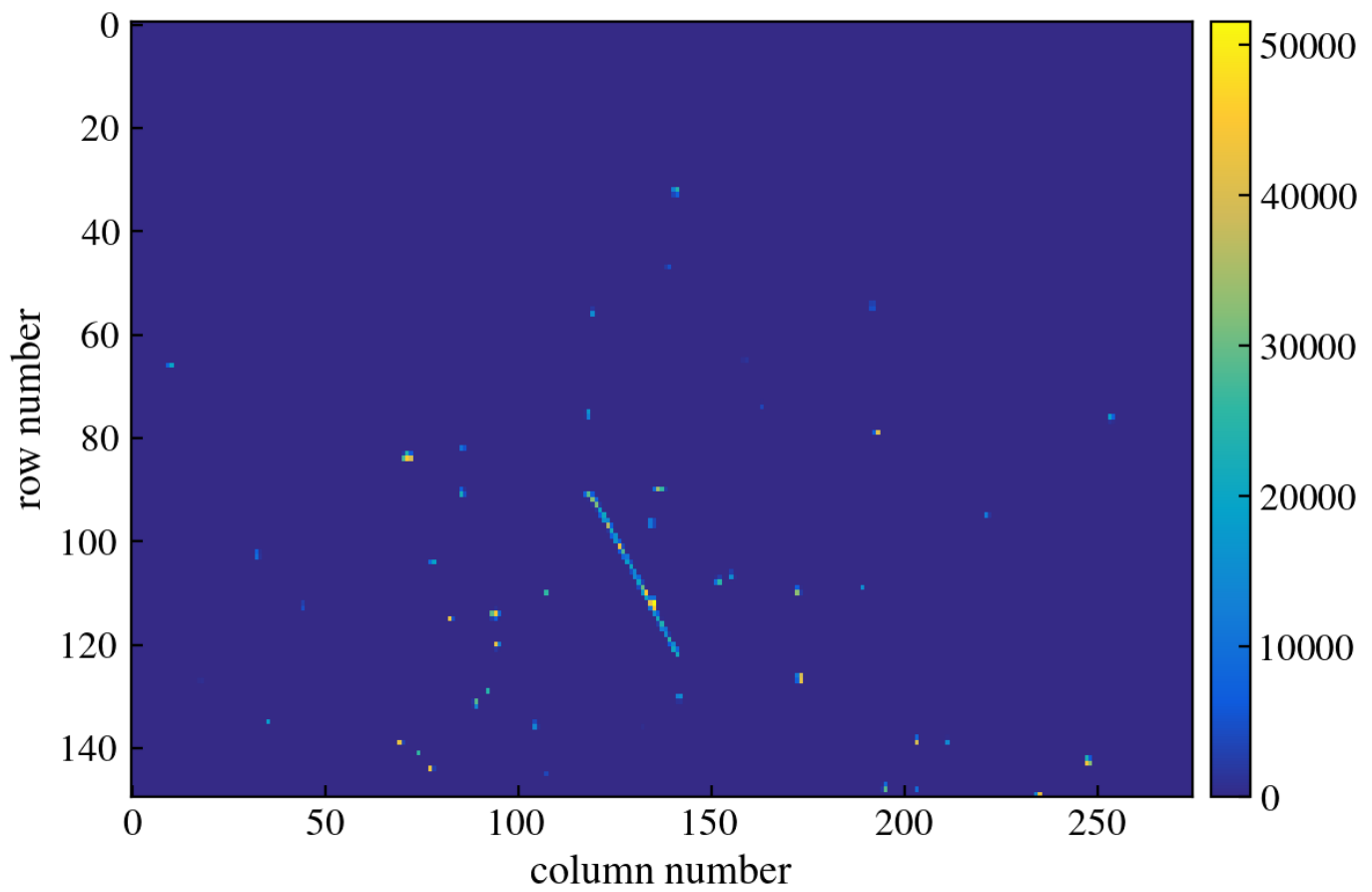


Figure 363: CCD Image

CCD Image: run 454, image 398  
[class MECCDImage]

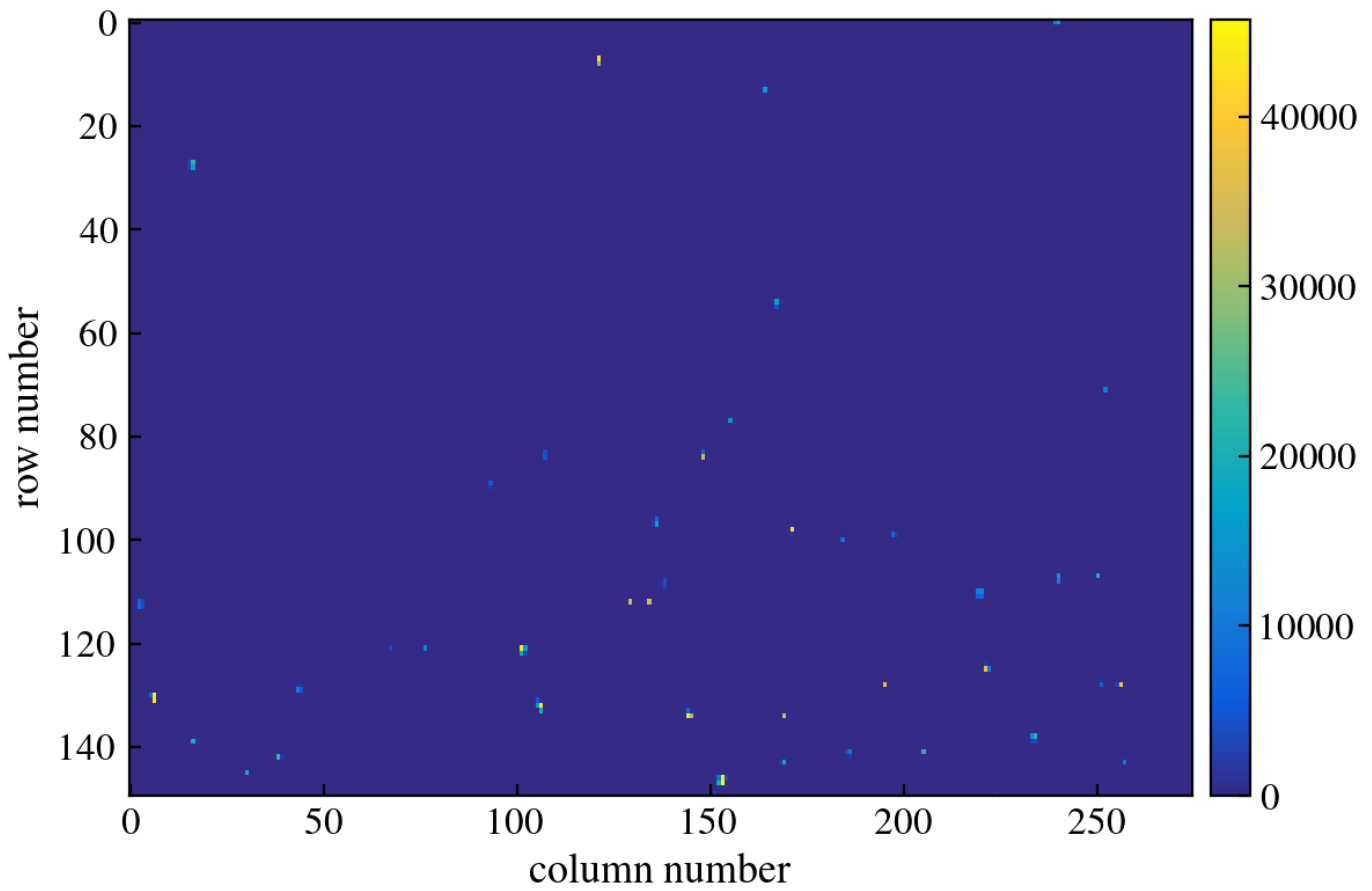


Figure 364: CCD Image

CCD Image: run 454, image 399  
[class MECCDImage]

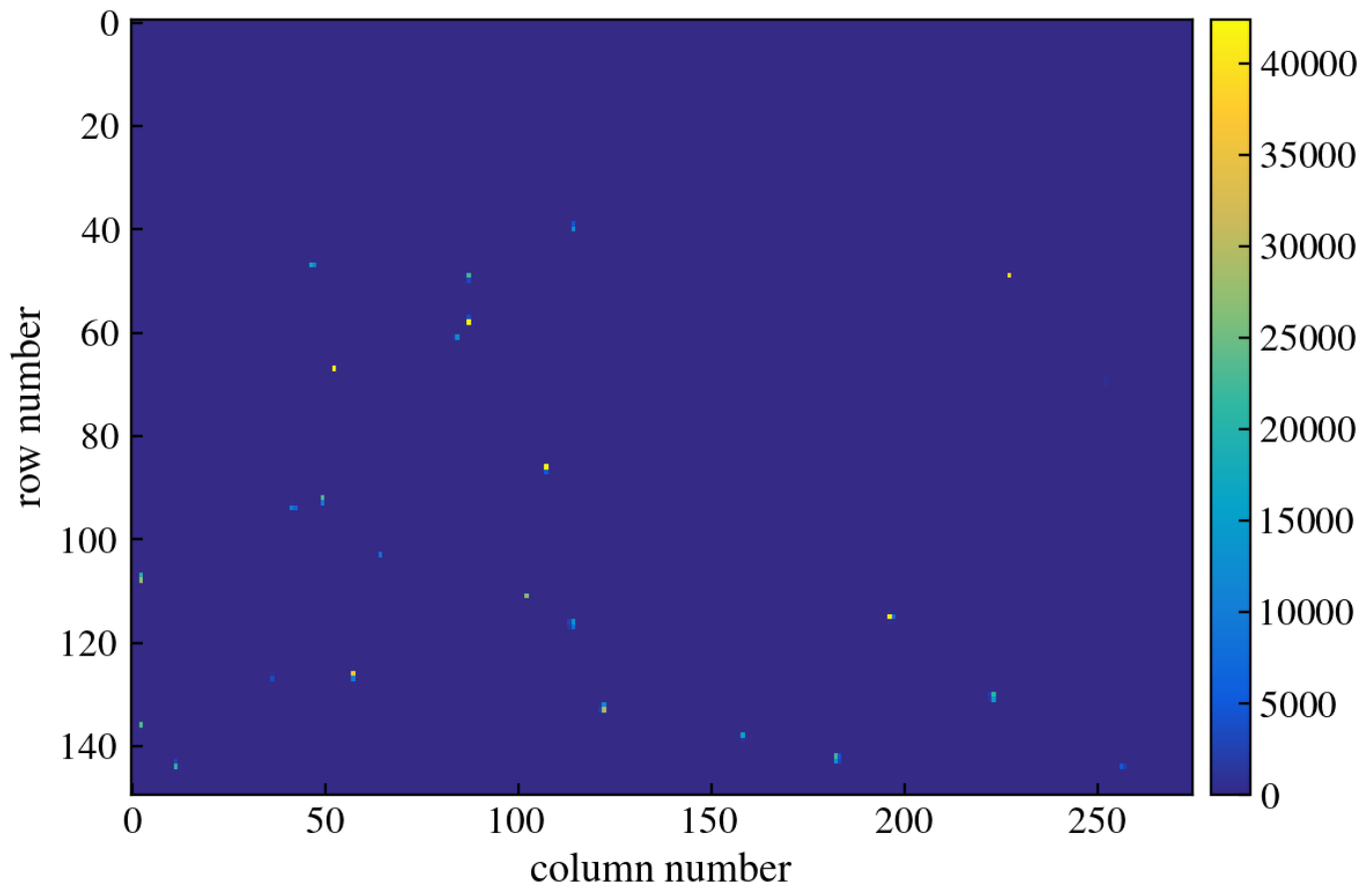


Figure 365: CCD Image

CCD Image: run 454, image 4  
[class MECCDImage]

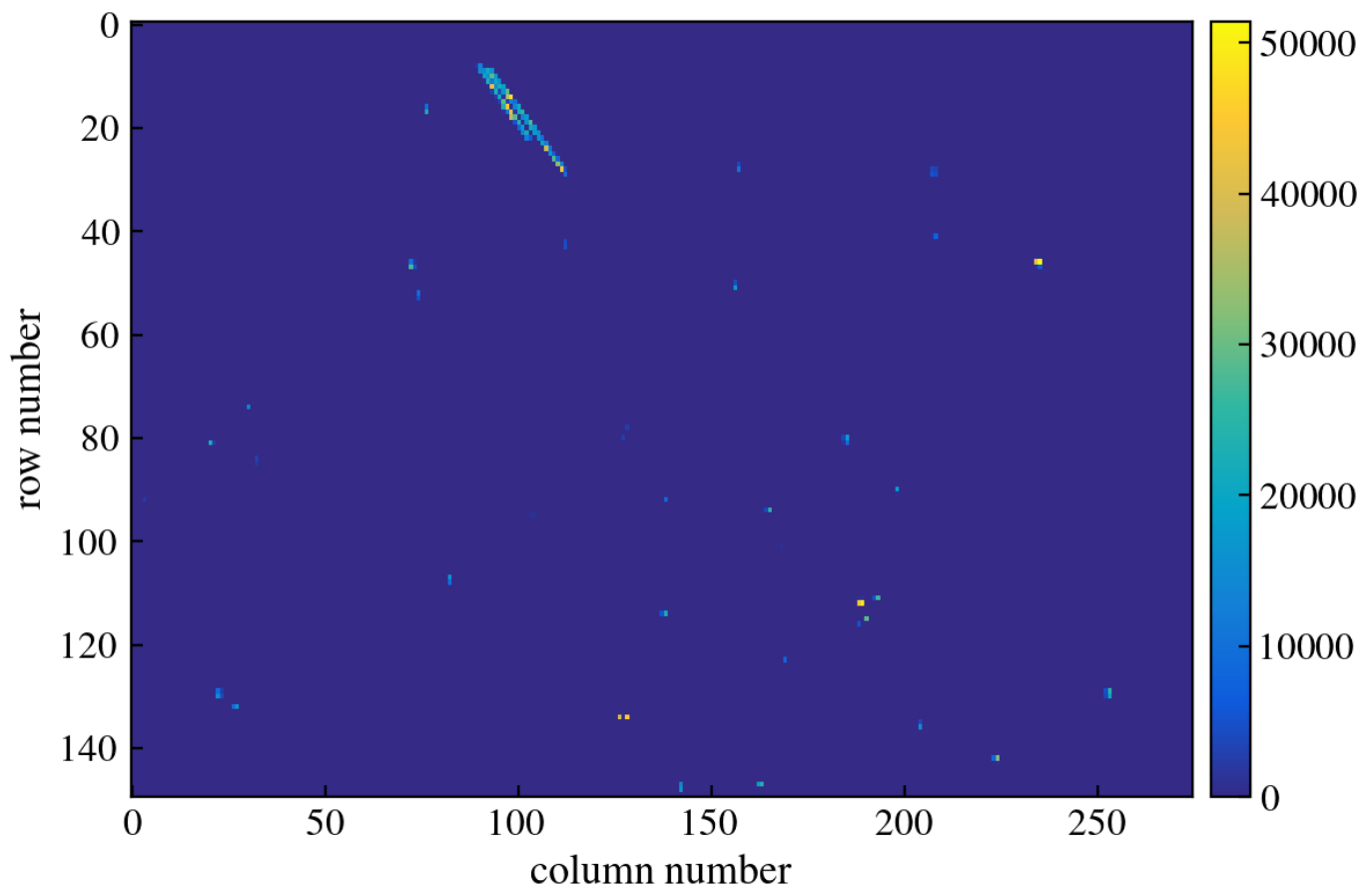


Figure 366: CCD Image

CCD Image: run 454, image 40  
[class MECCDImage]

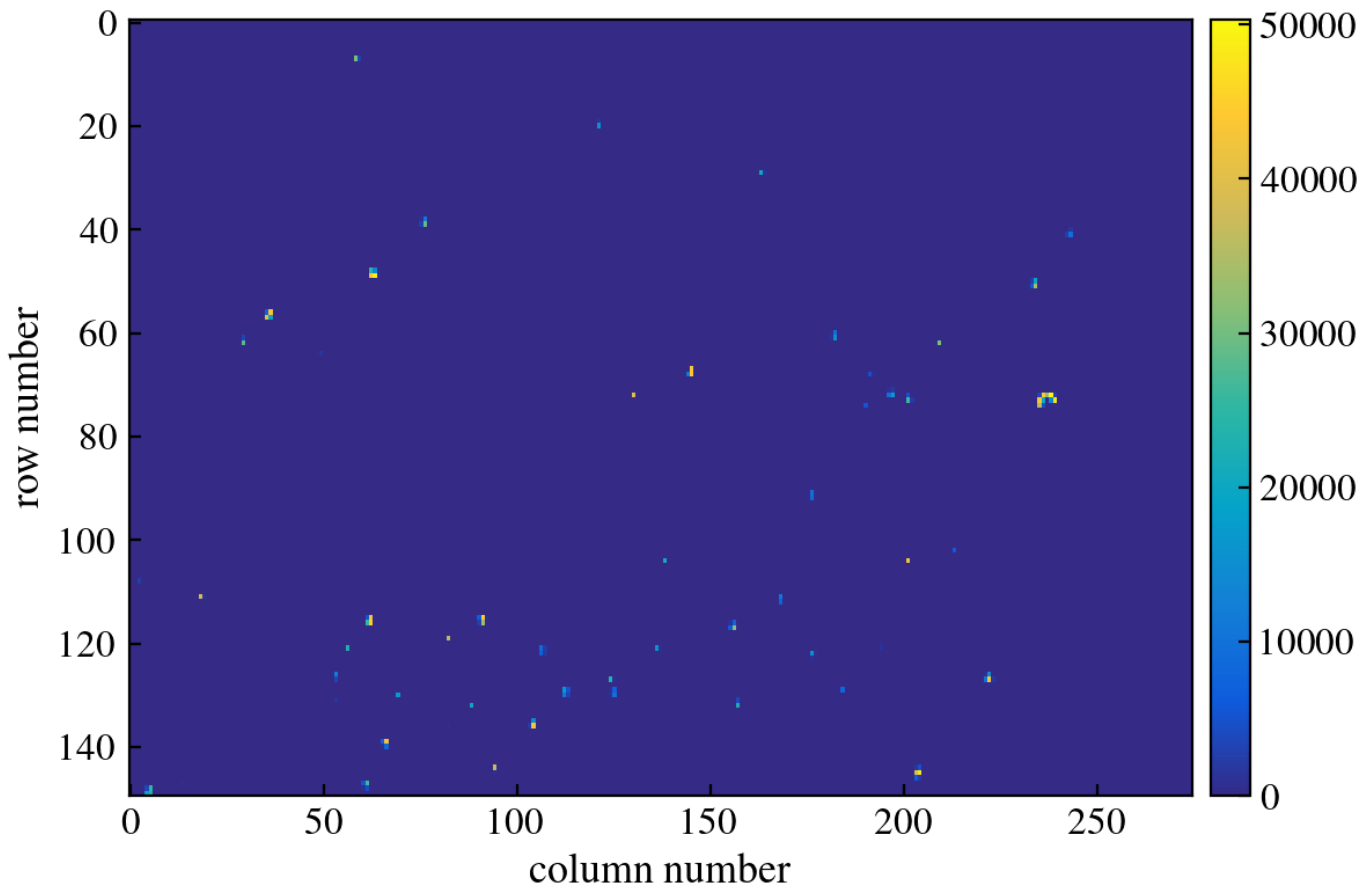


Figure 367: CCD Image



CCD Image: run 454, image 400  
[class MECCDImage]

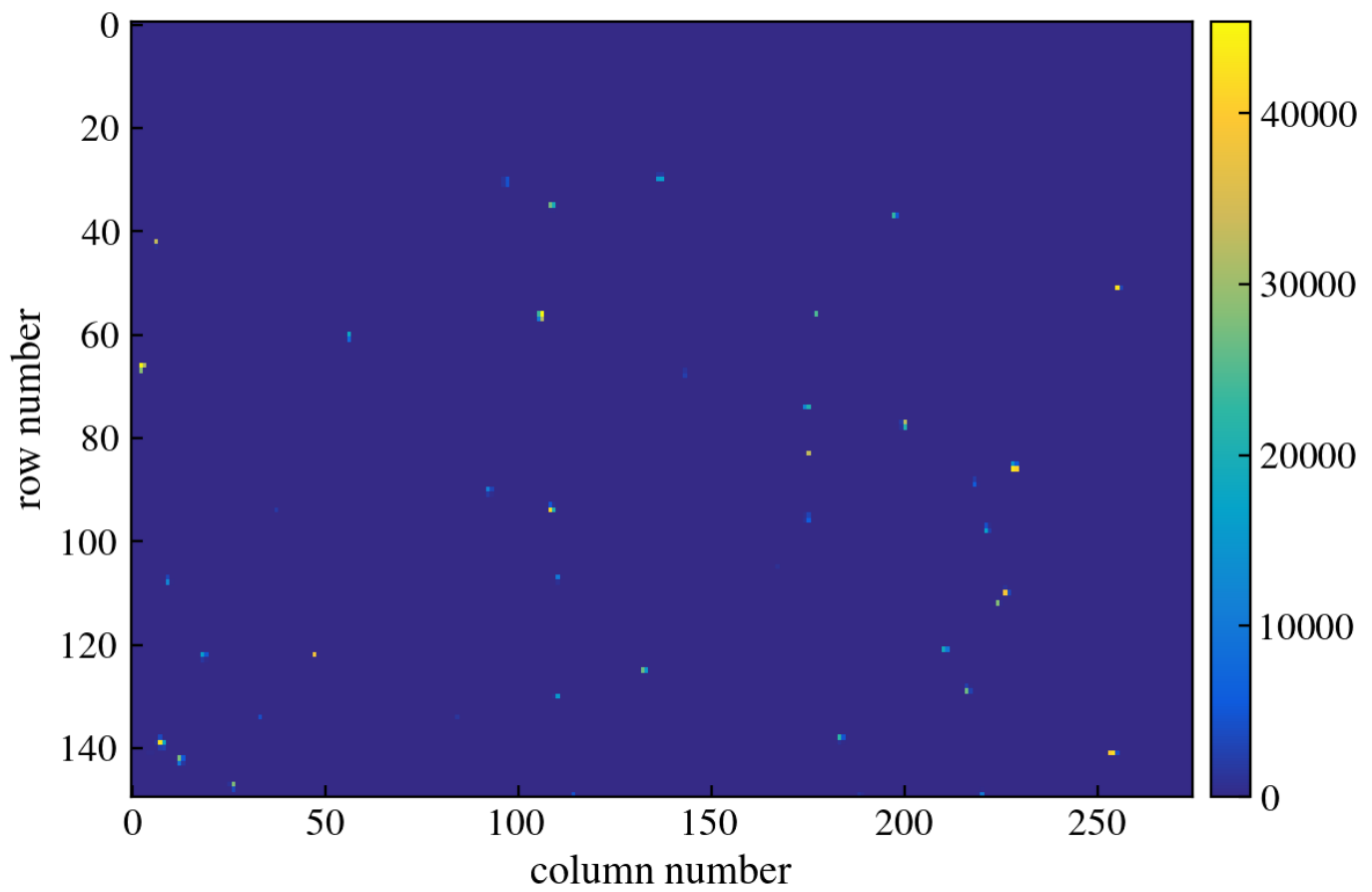


Figure 368: CCD Image

CCD Image: run 454, image 41  
[class MECCDImage]

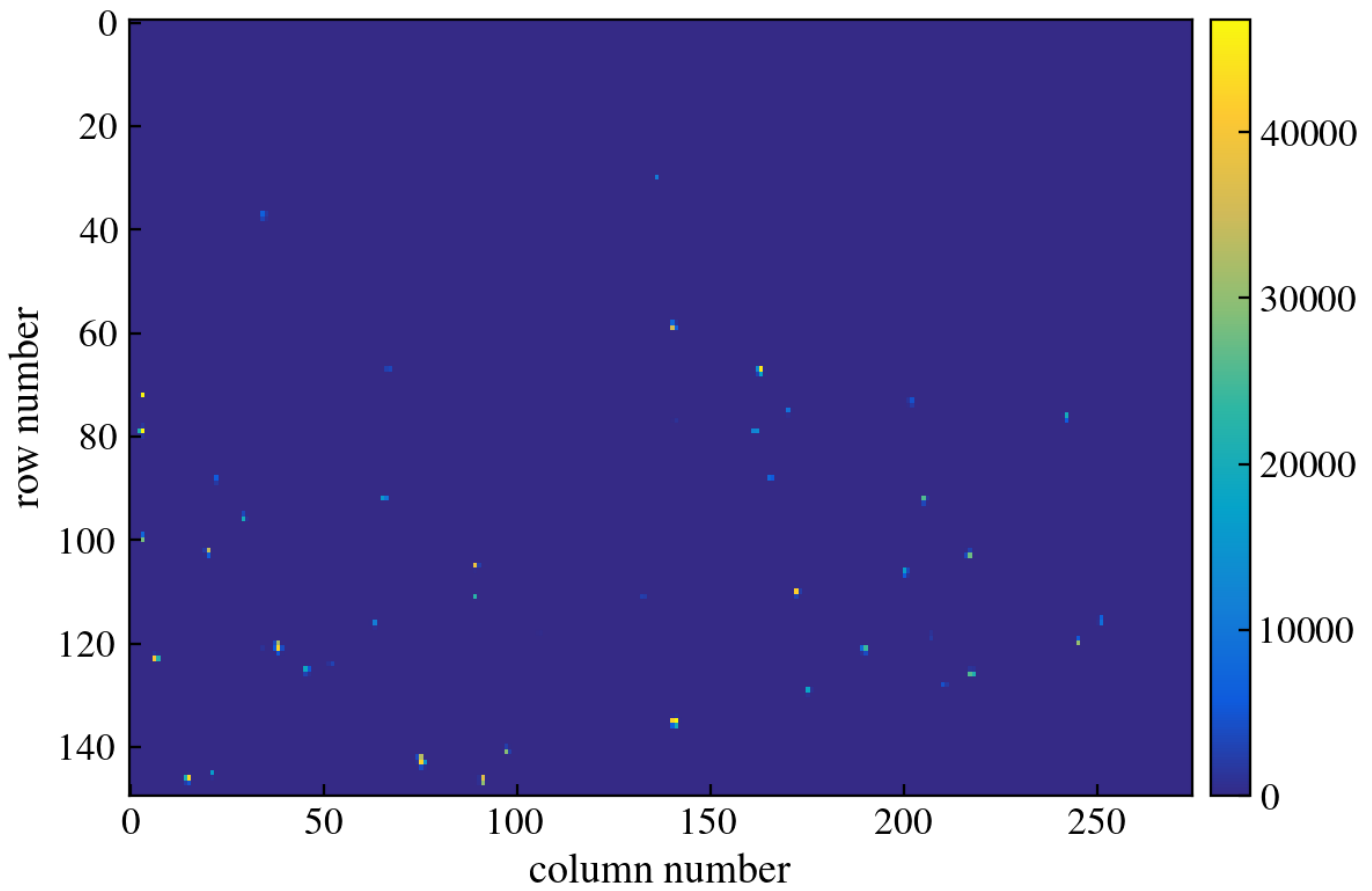


Figure 369: CCD Image

CCD Image: run 454, image 42  
[class MECCDImage]

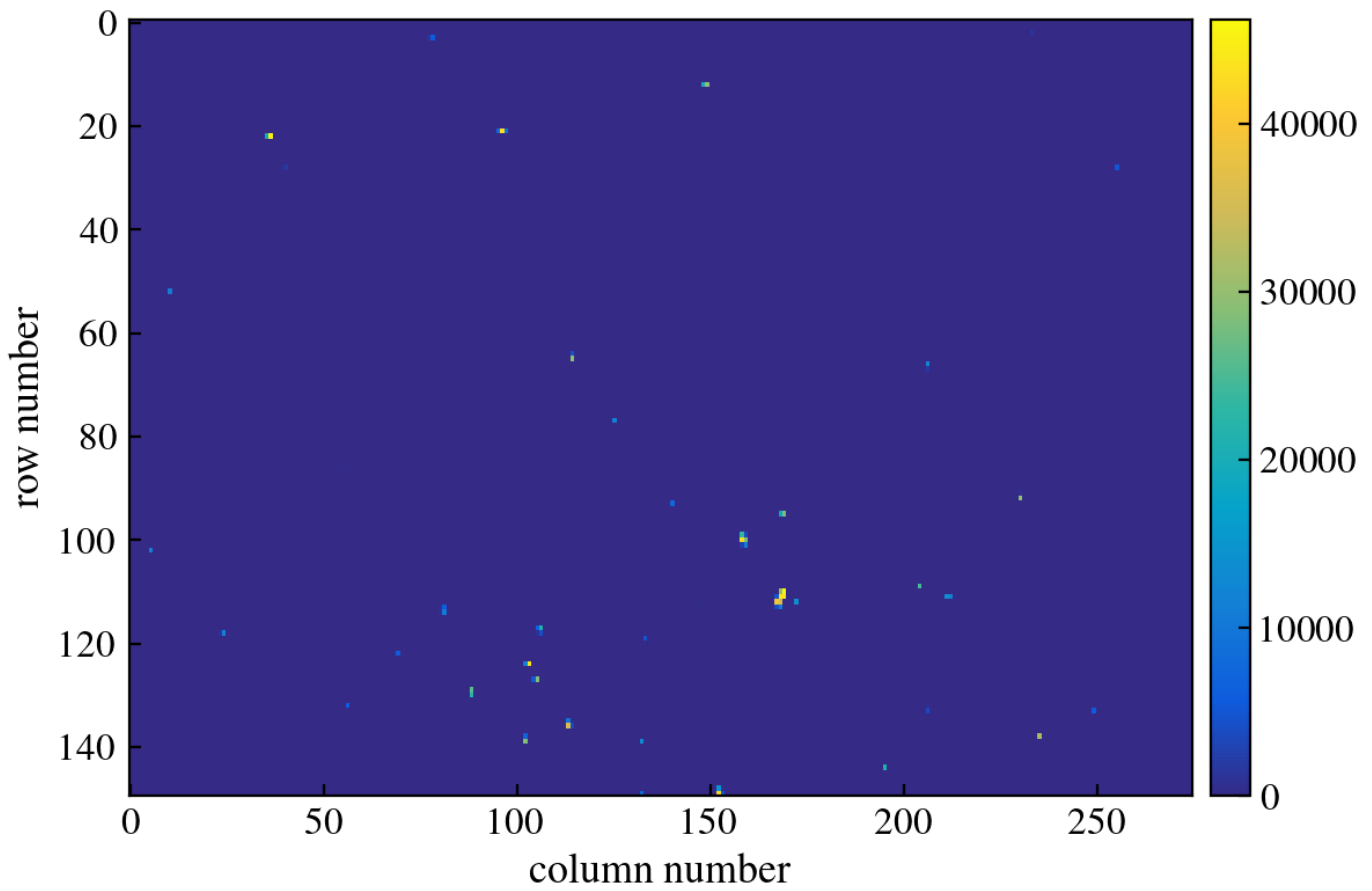


Figure 370: CCD Image

CCD Image: run 454, image 43  
[class MECCDImage]

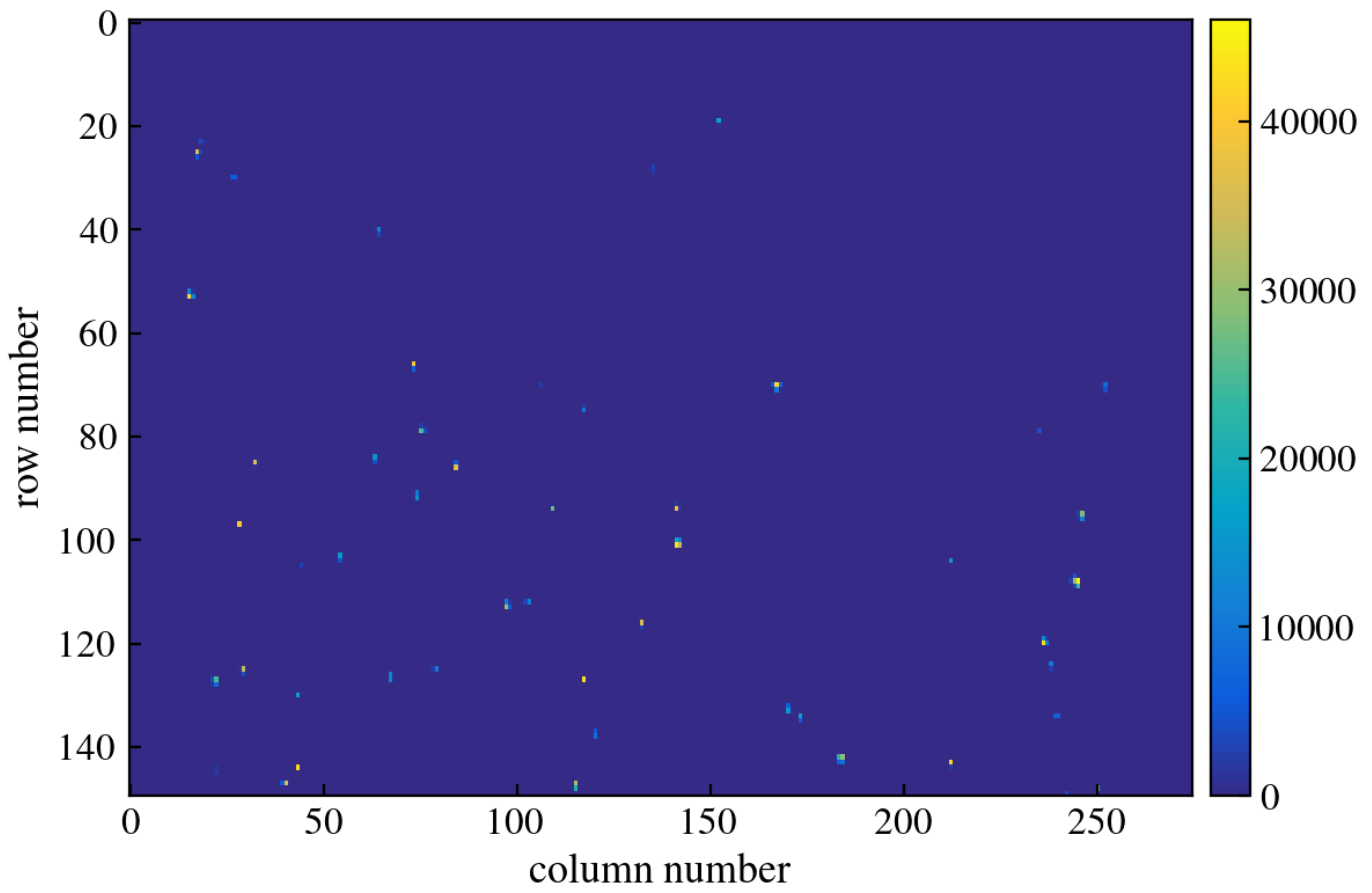


Figure 371: CCD Image

CCD Image: run 454, image 44  
[class MECCDImage]

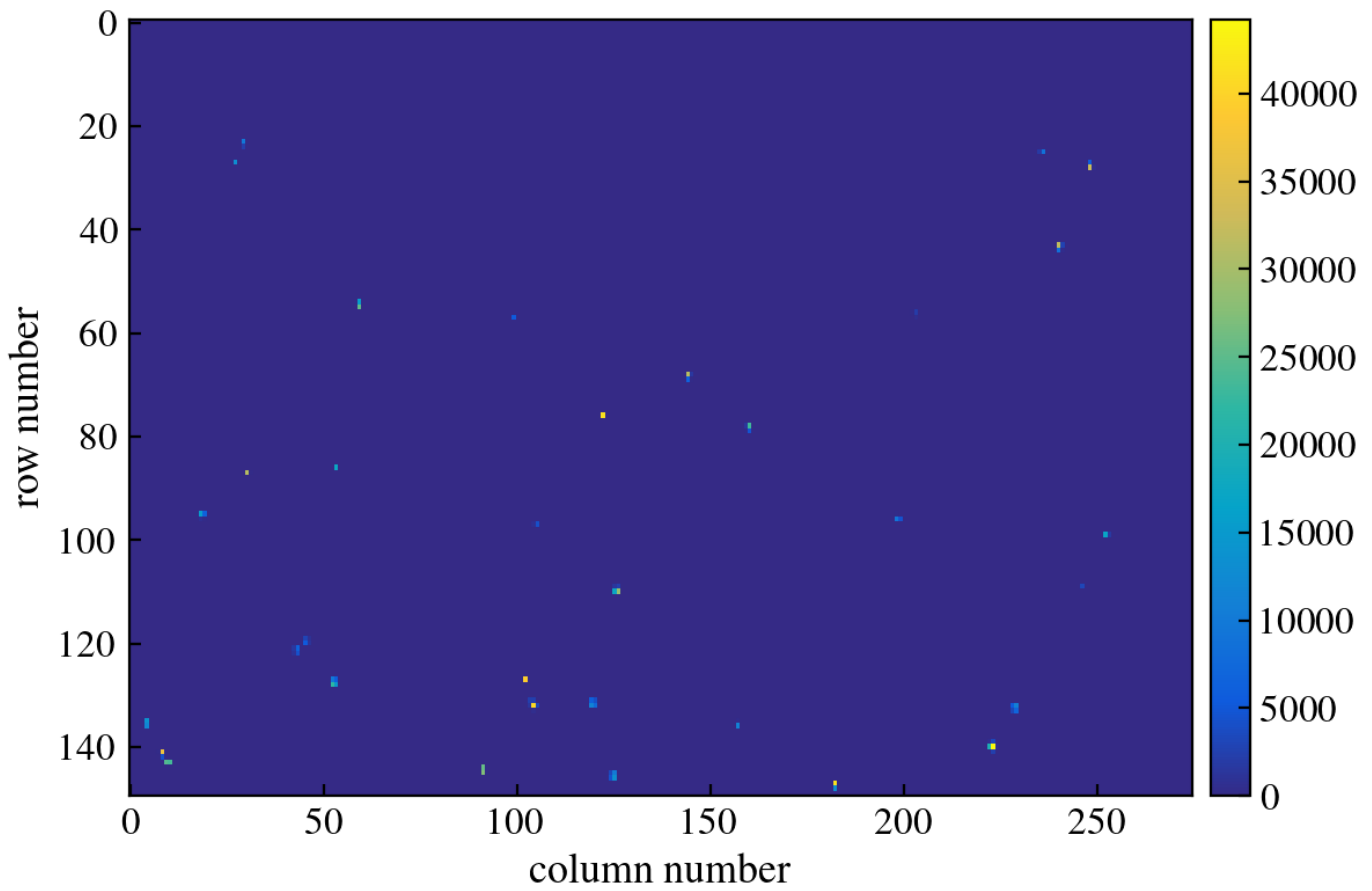


Figure 372: CCD Image

CCD Image: run 454, image 45  
[class MECCDImage]

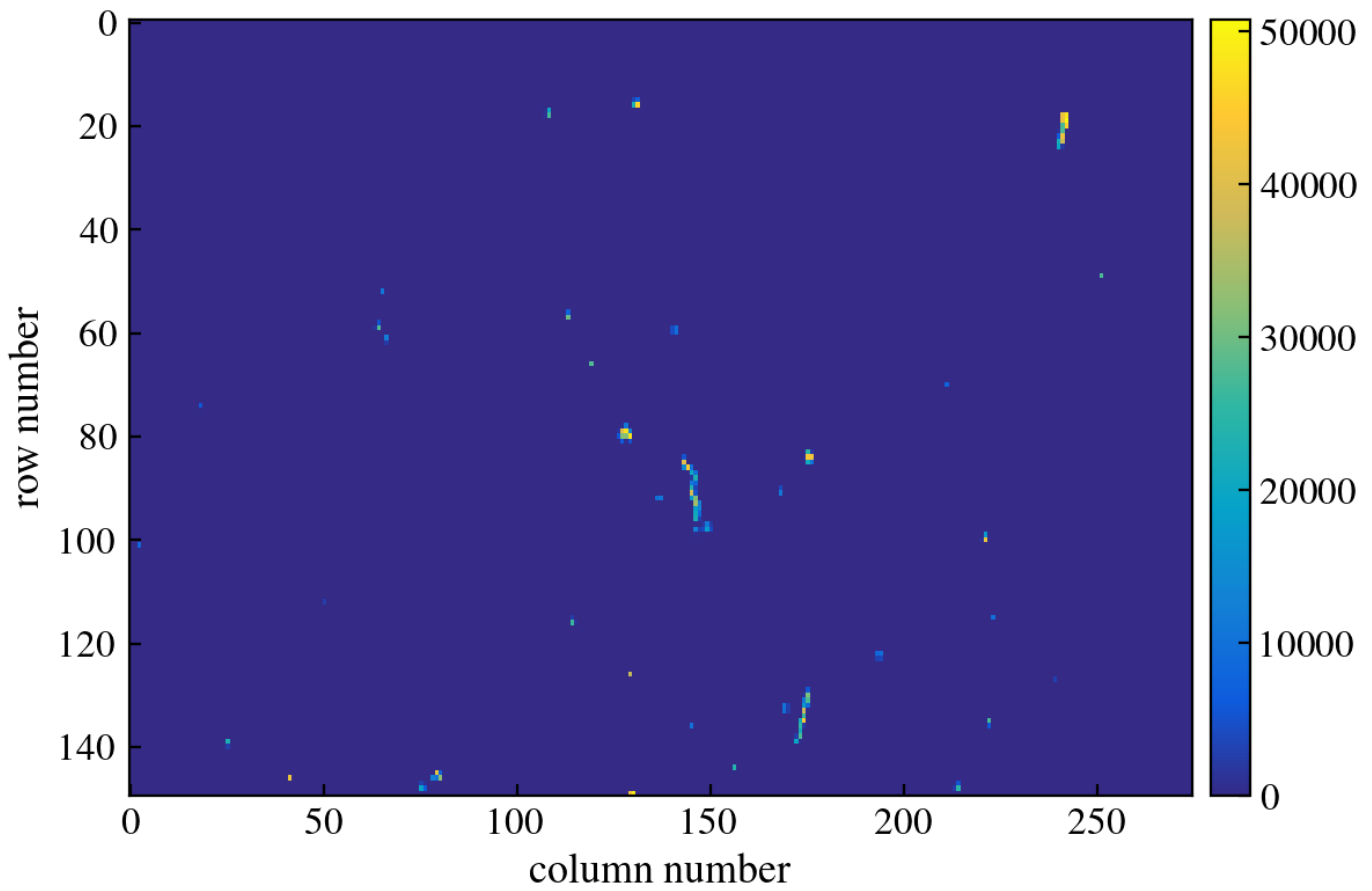


Figure 373: CCD Image

CCD Image: run 454, image 46  
[class MECCDImage]

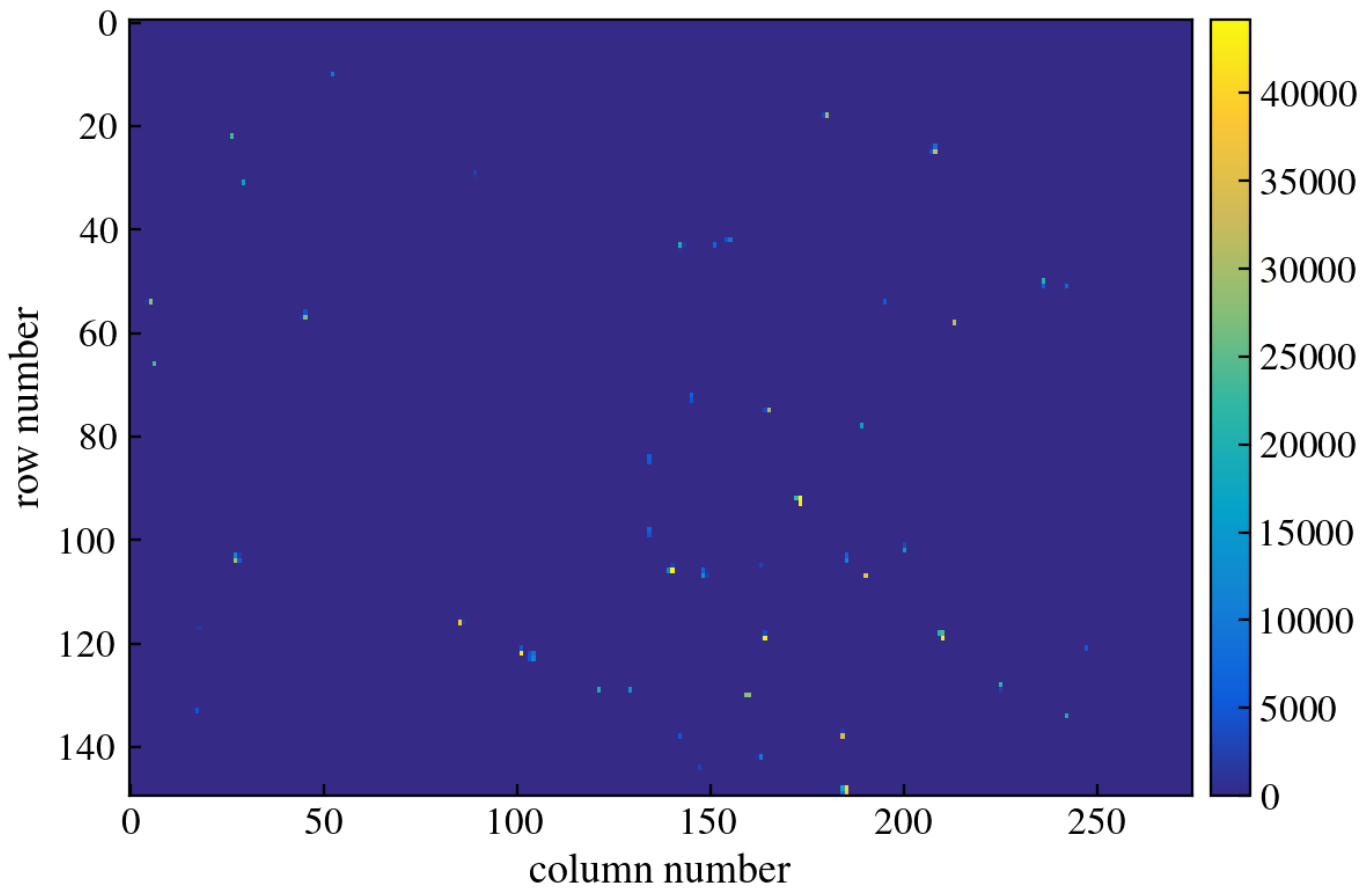


Figure 374: CCD Image

CCD Image: run 454, image 47  
[class MECCDImage]

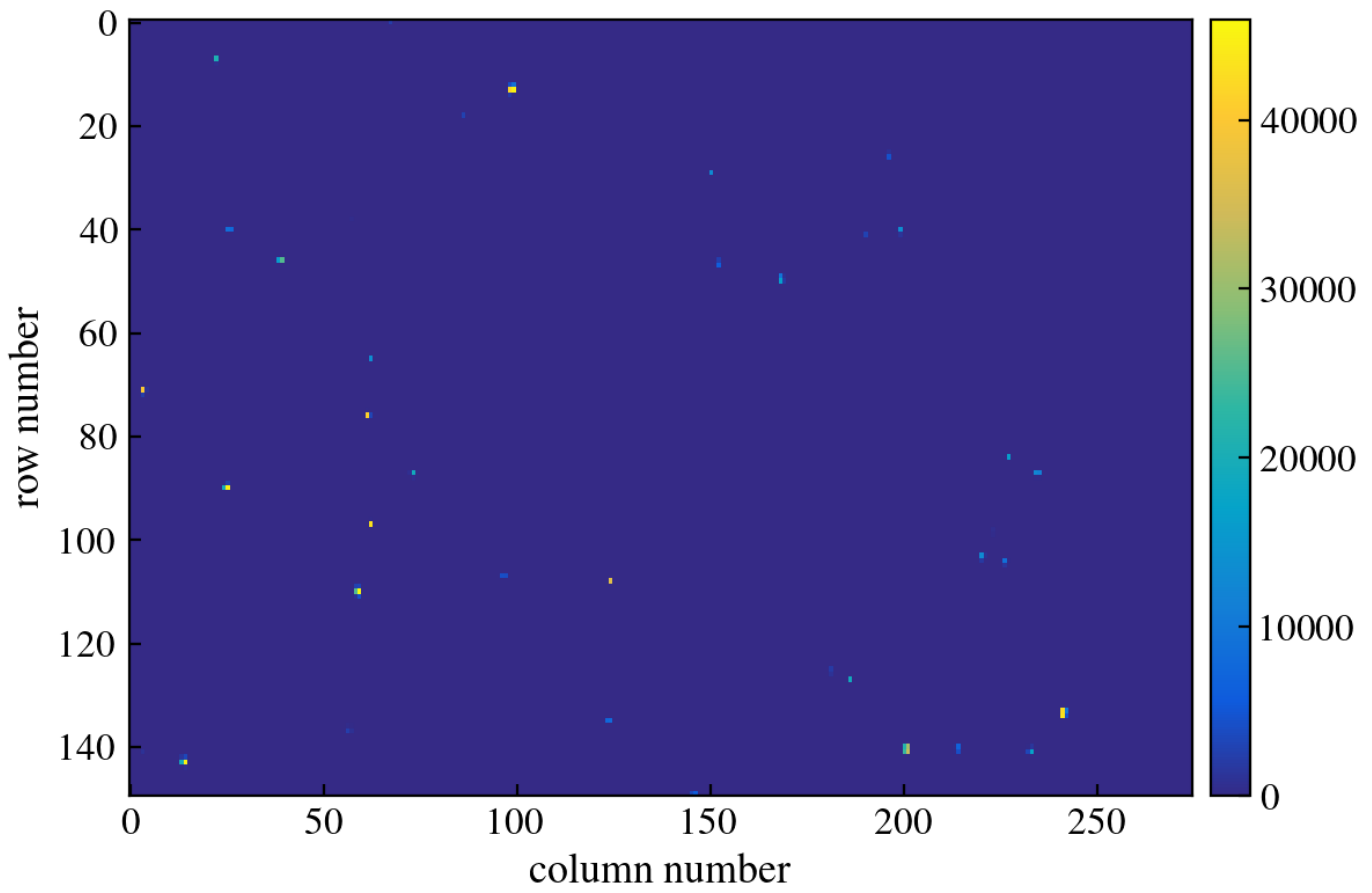


Figure 375: CCD Image



CCD Image: run 454, image 48  
[class MECCDImage]

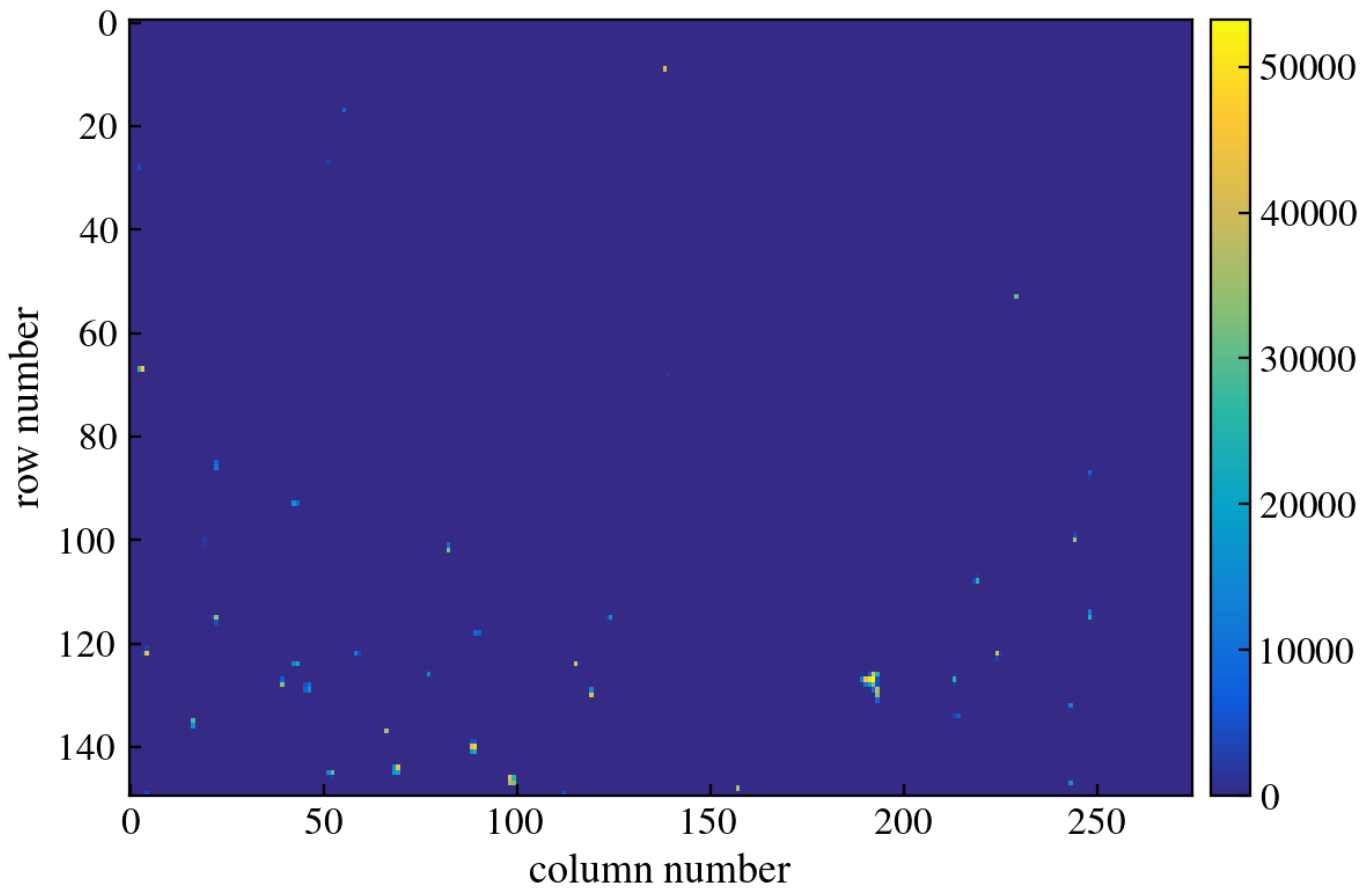


Figure 376: CCD Image

CCD Image: run 454, image 49  
[class MECCDImage]

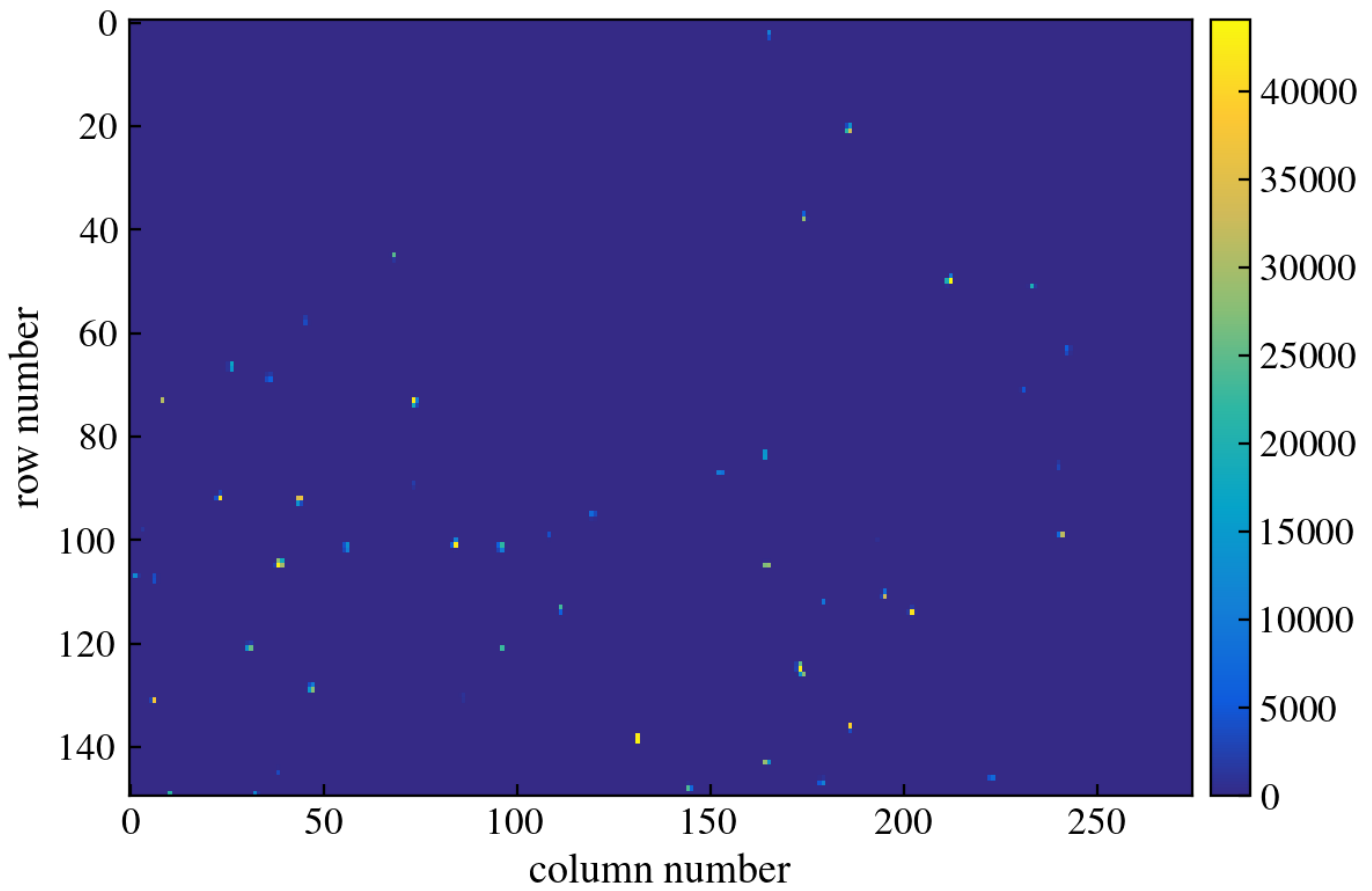


Figure 377: CCD Image

CCD Image: run 454, image 5  
[class MECCDImage]

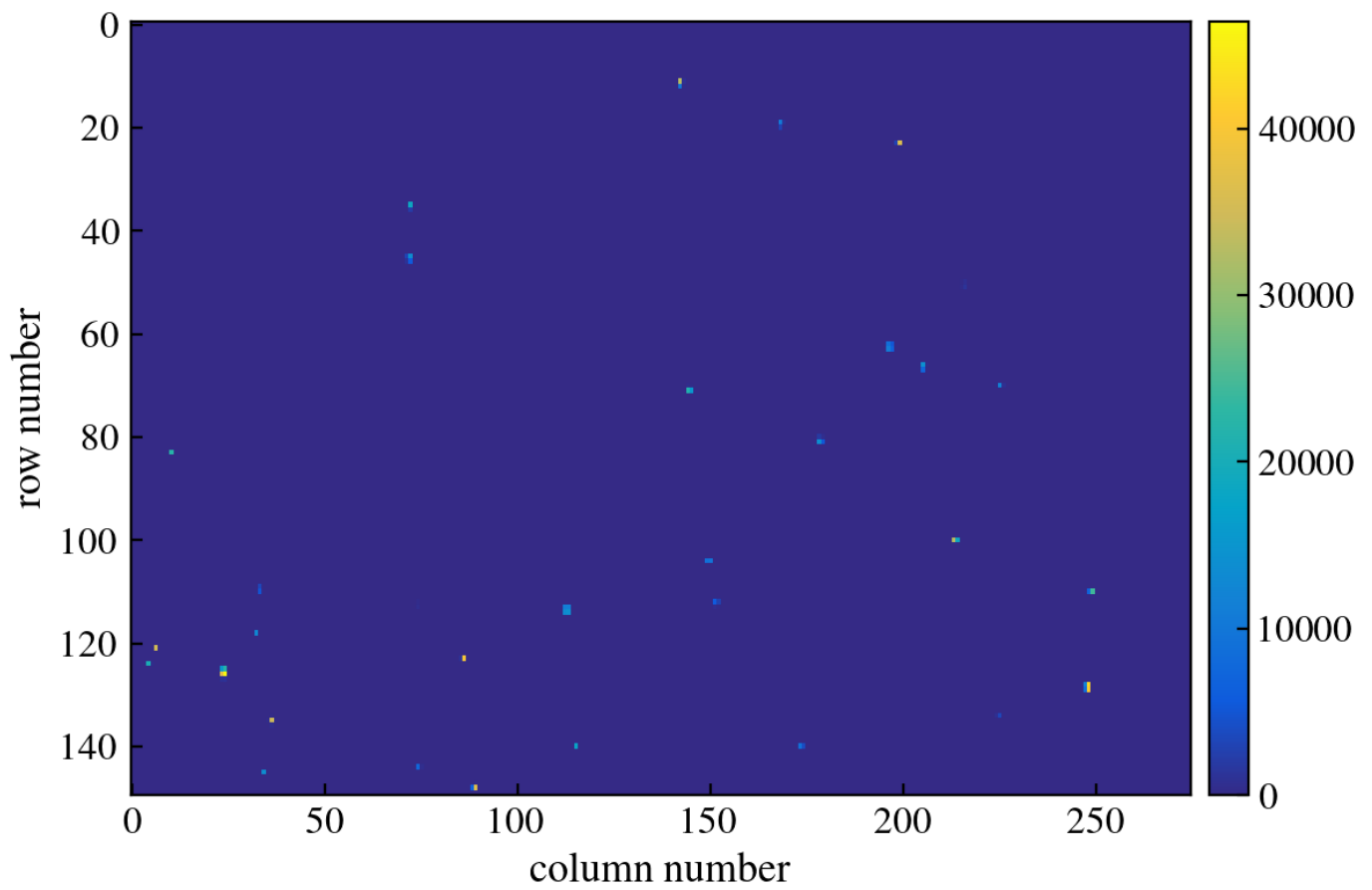


Figure 378: CCD Image

CCD Image: run 454, image 50  
[class MECCDImage]

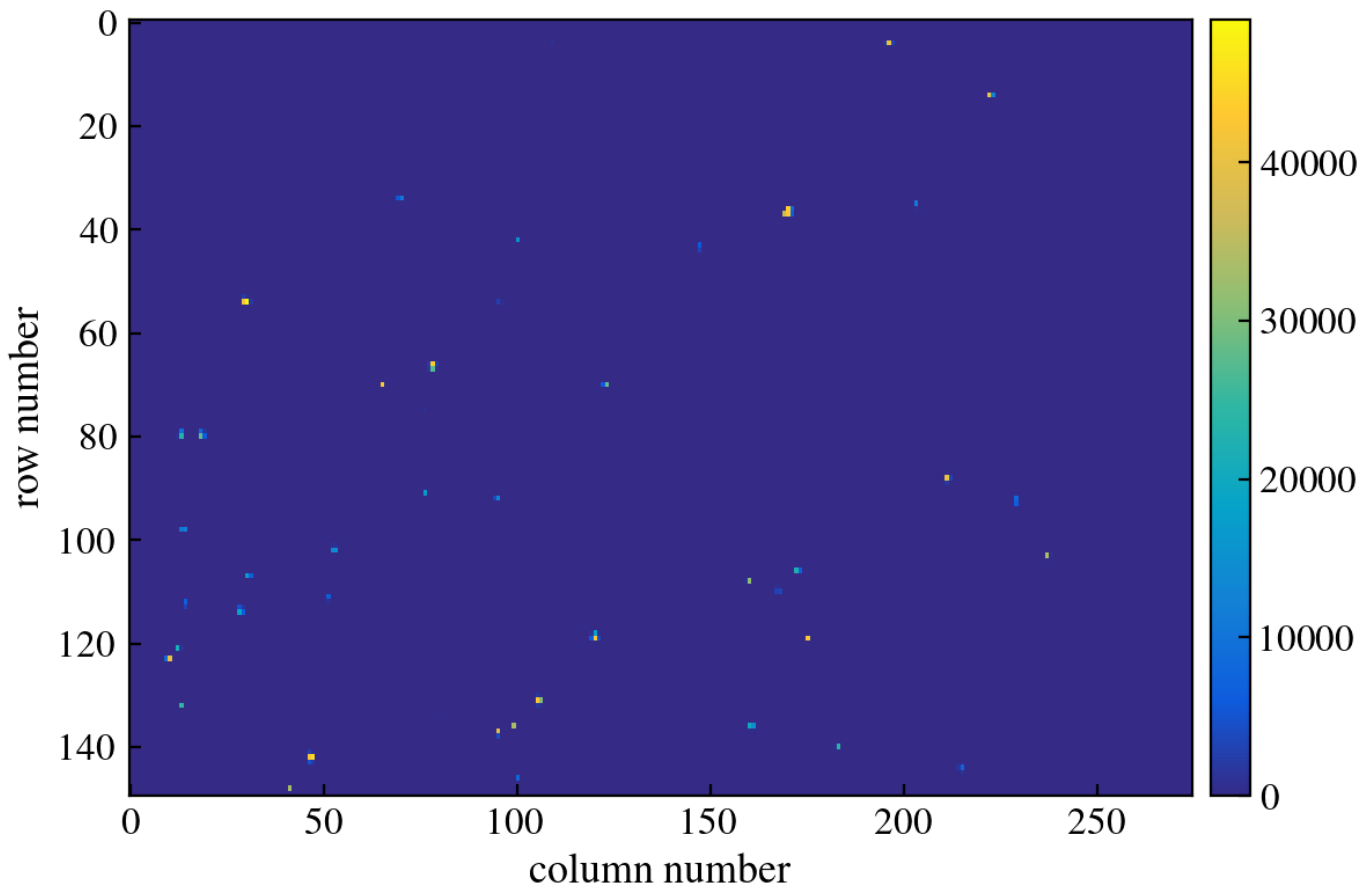


Figure 379: CCD Image

CCD Image: run 454, image 51  
[class MECCDImage]

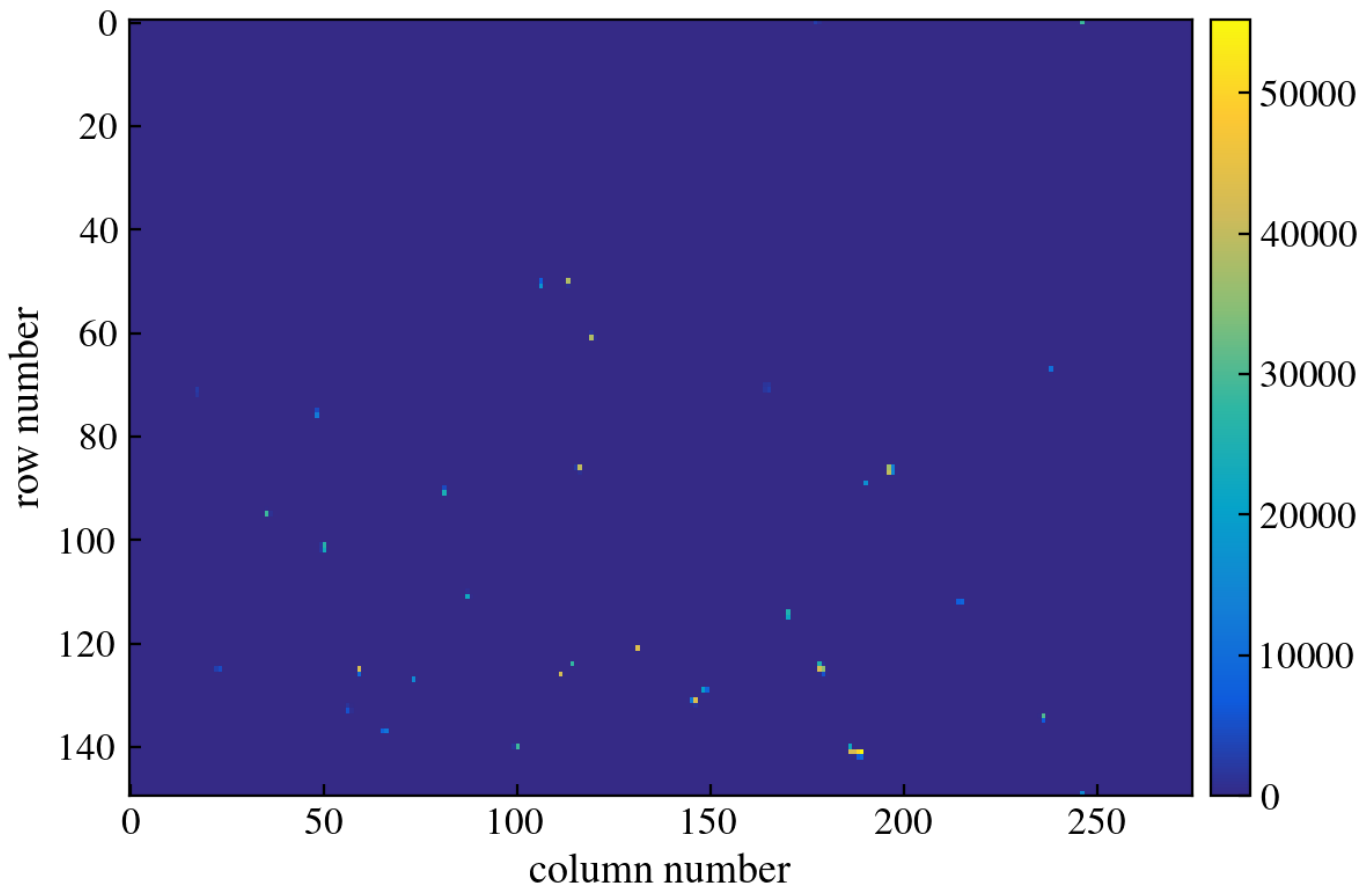


Figure 380: CCD Image

CCD Image: run 454, image 52  
[class MECCDImage]

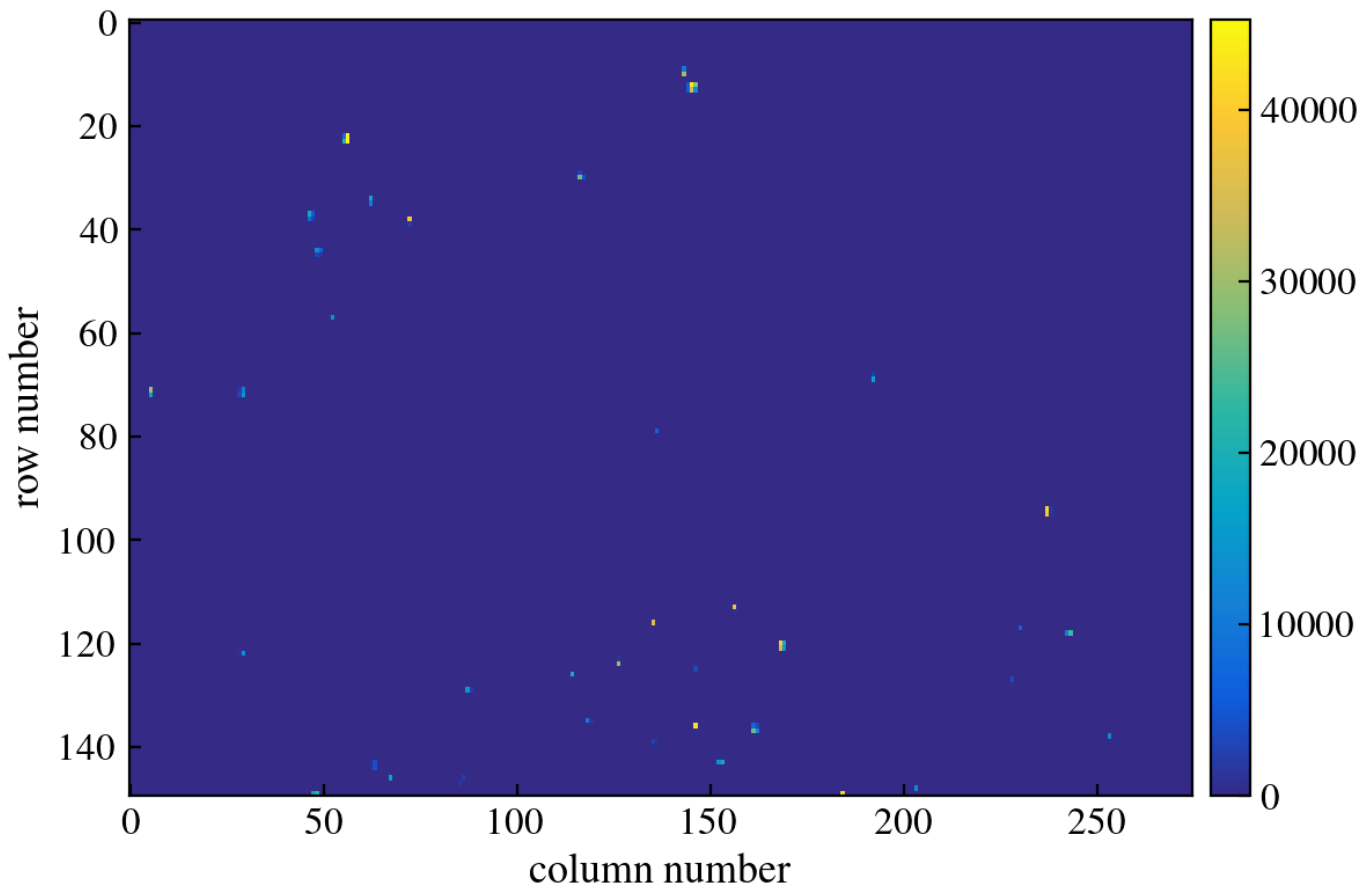


Figure 381: CCD Image

CCD Image: run 454, image 53  
[class MECCDImage]

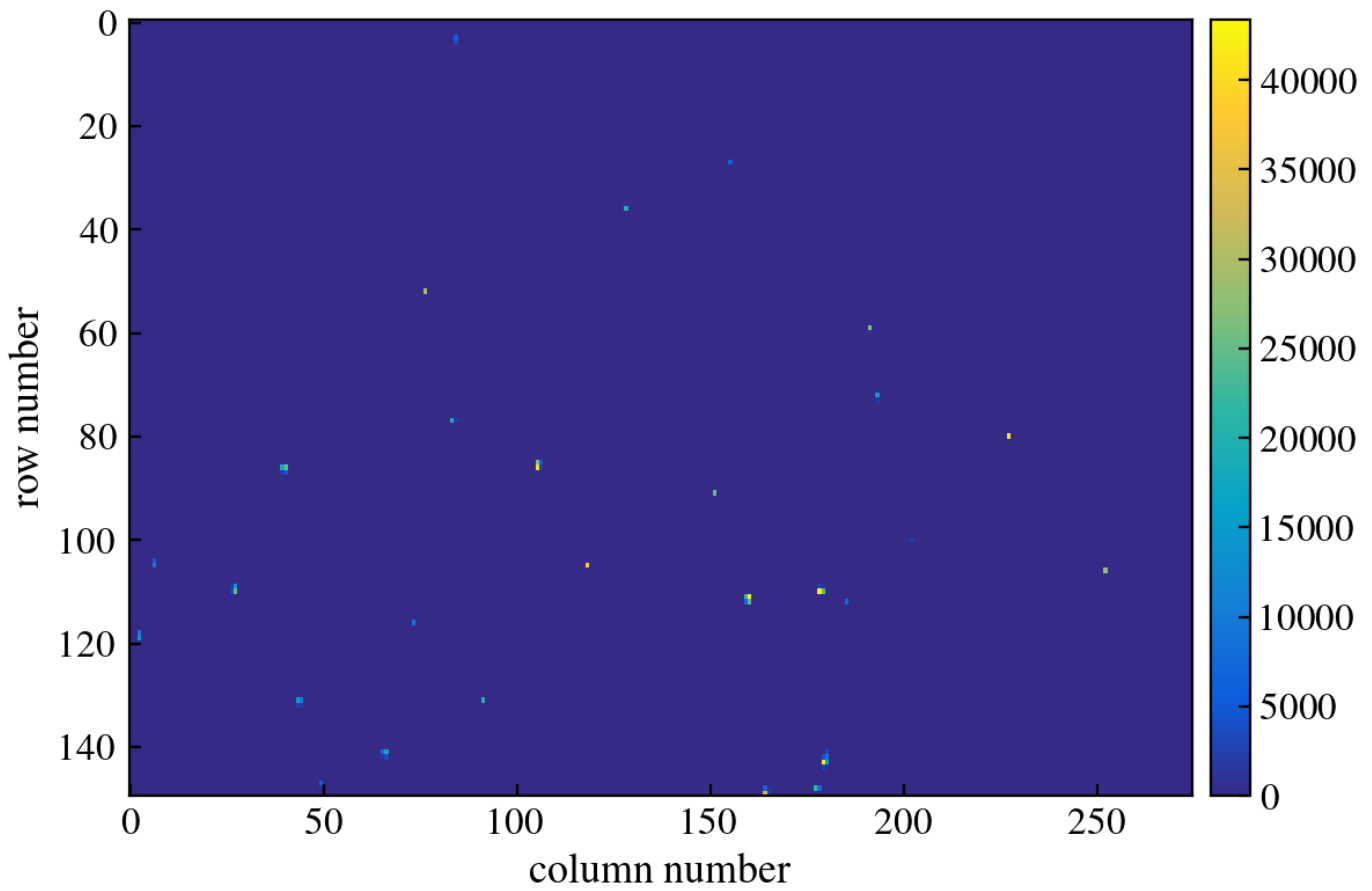


Figure 382: CCD Image

CCD Image: run 454, image 54  
[class MECCDImage]

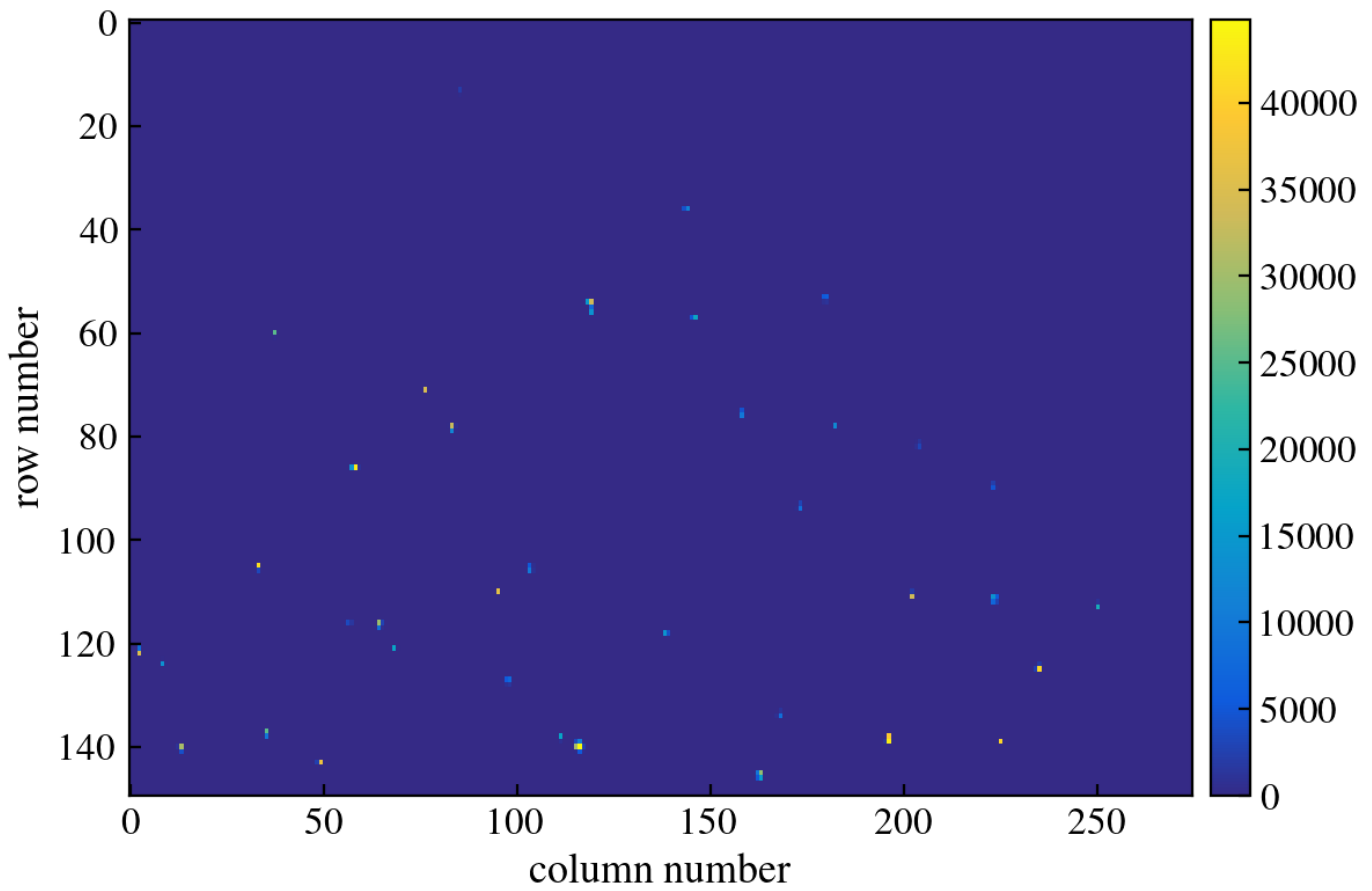


Figure 383: CCD Image



CCD Image: run 454, image 55  
[class MECCDImage]

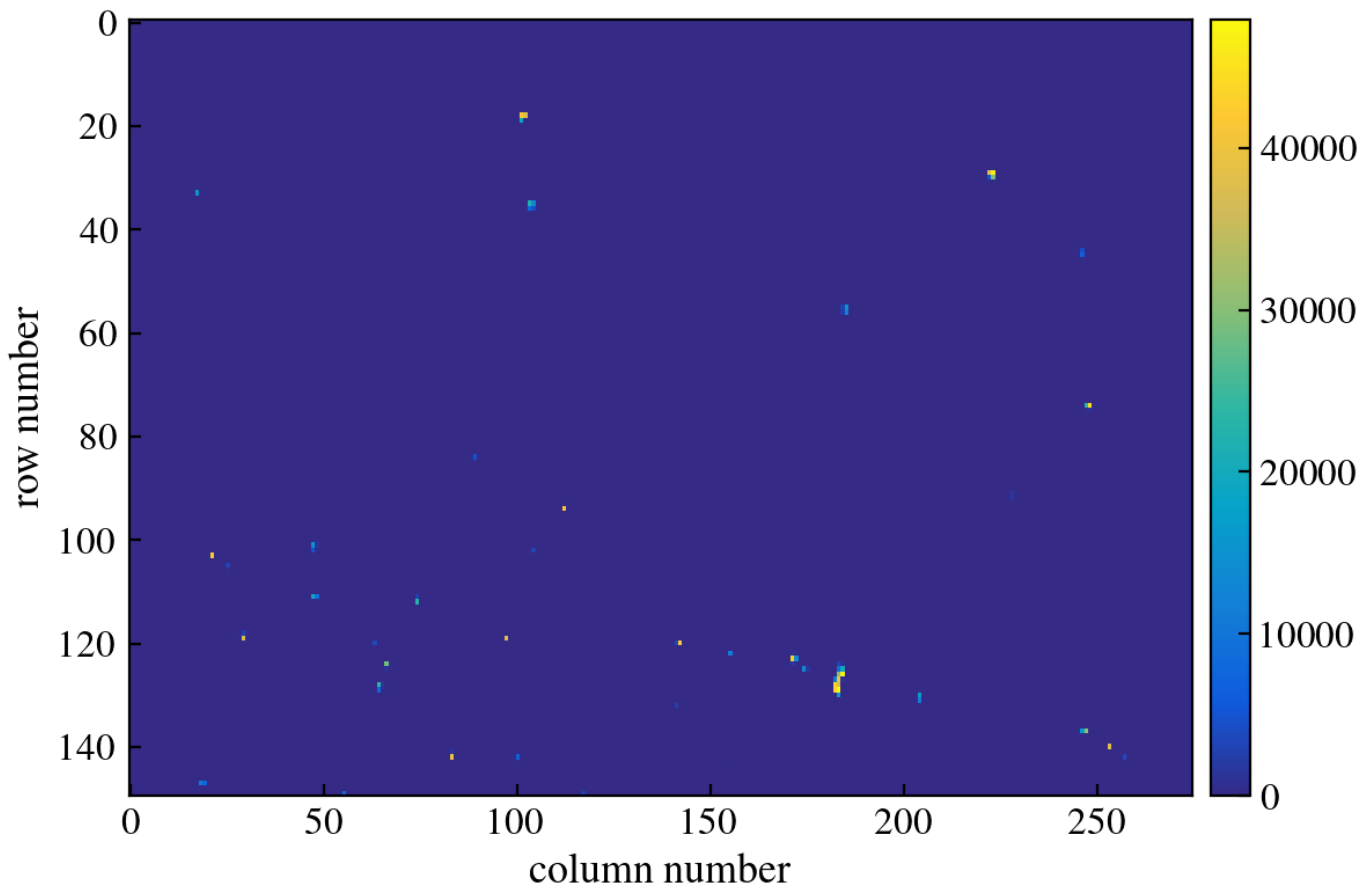


Figure 384: CCD Image

CCD Image: run 454, image 56  
[class MECCDImage]

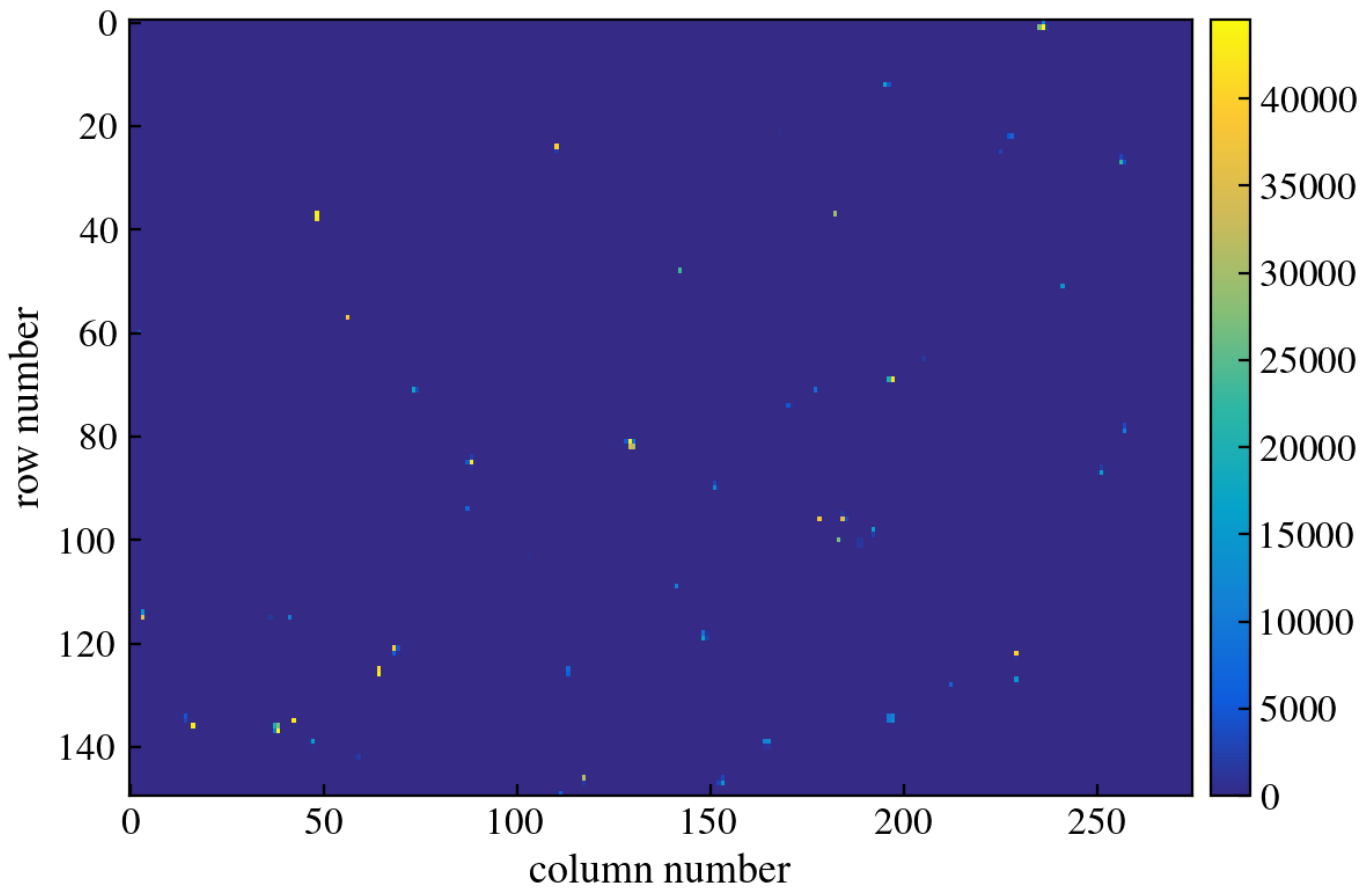


Figure 385: CCD Image

CCD Image: run 454, image 57  
[class MECCDImage]

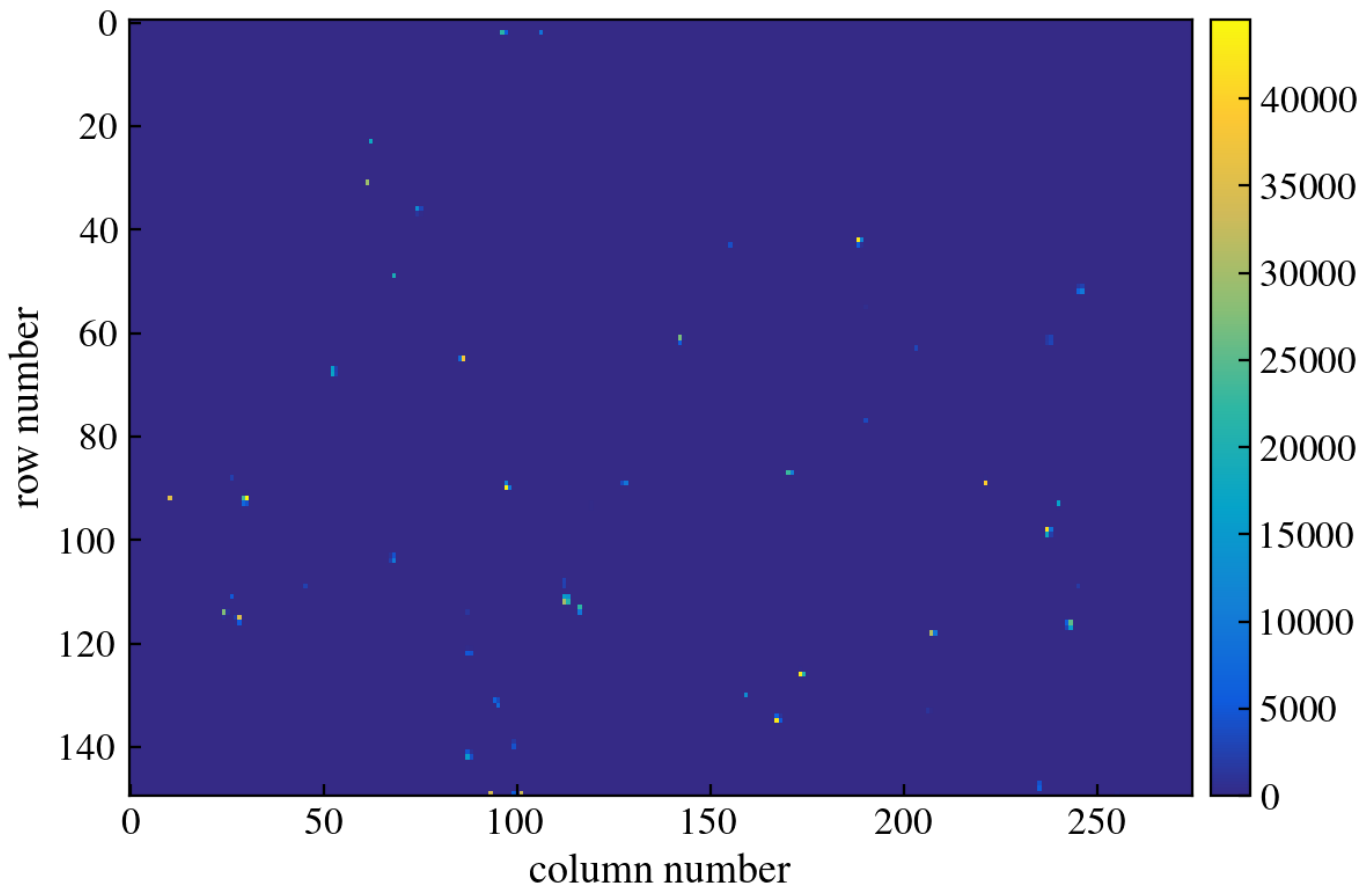


Figure 386: CCD Image

CCD Image: run 454, image 58  
[class MECCDImage]

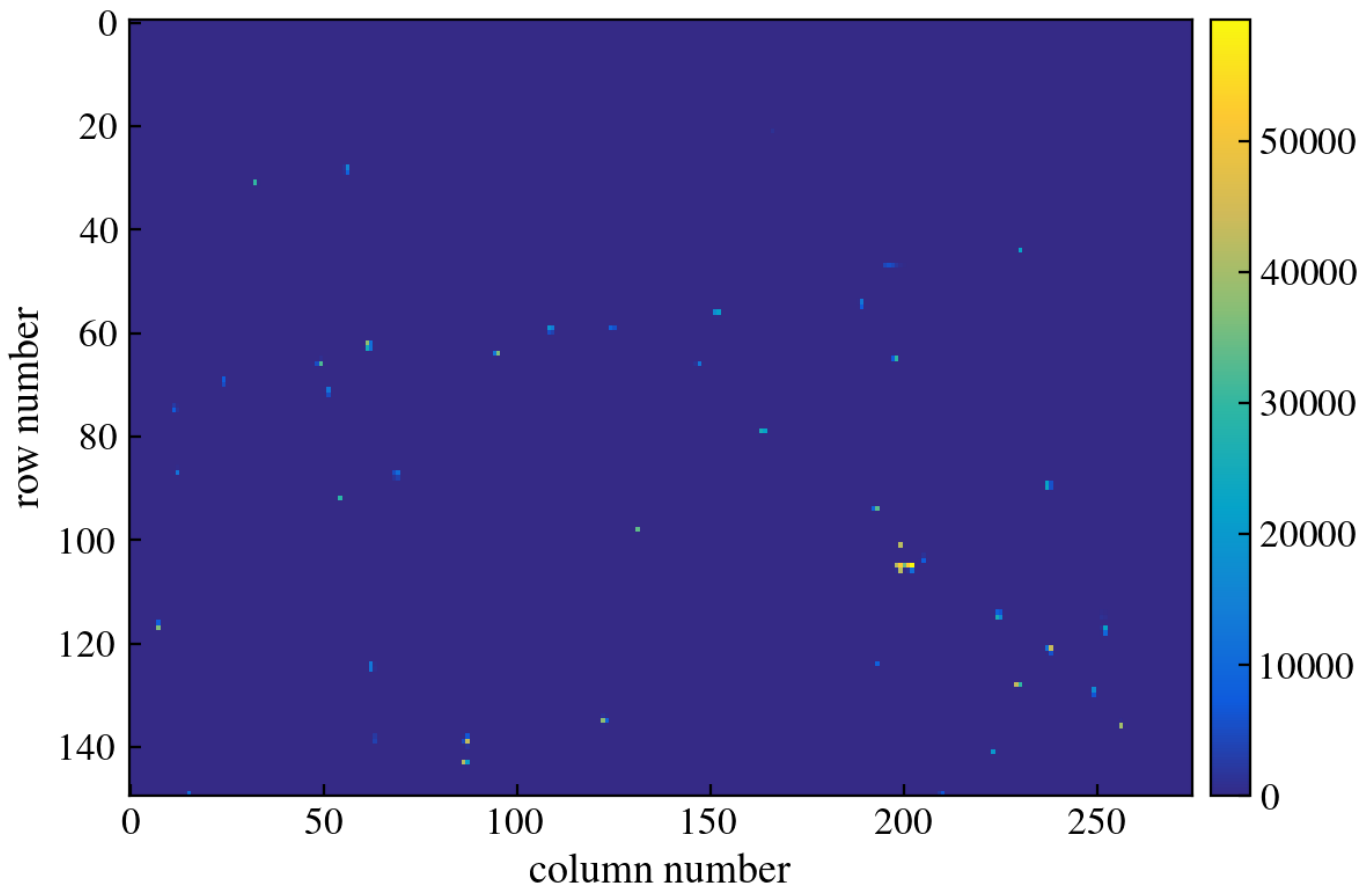


Figure 387: CCD Image

CCD Image: run 454, image 59  
[class MECCDImage]

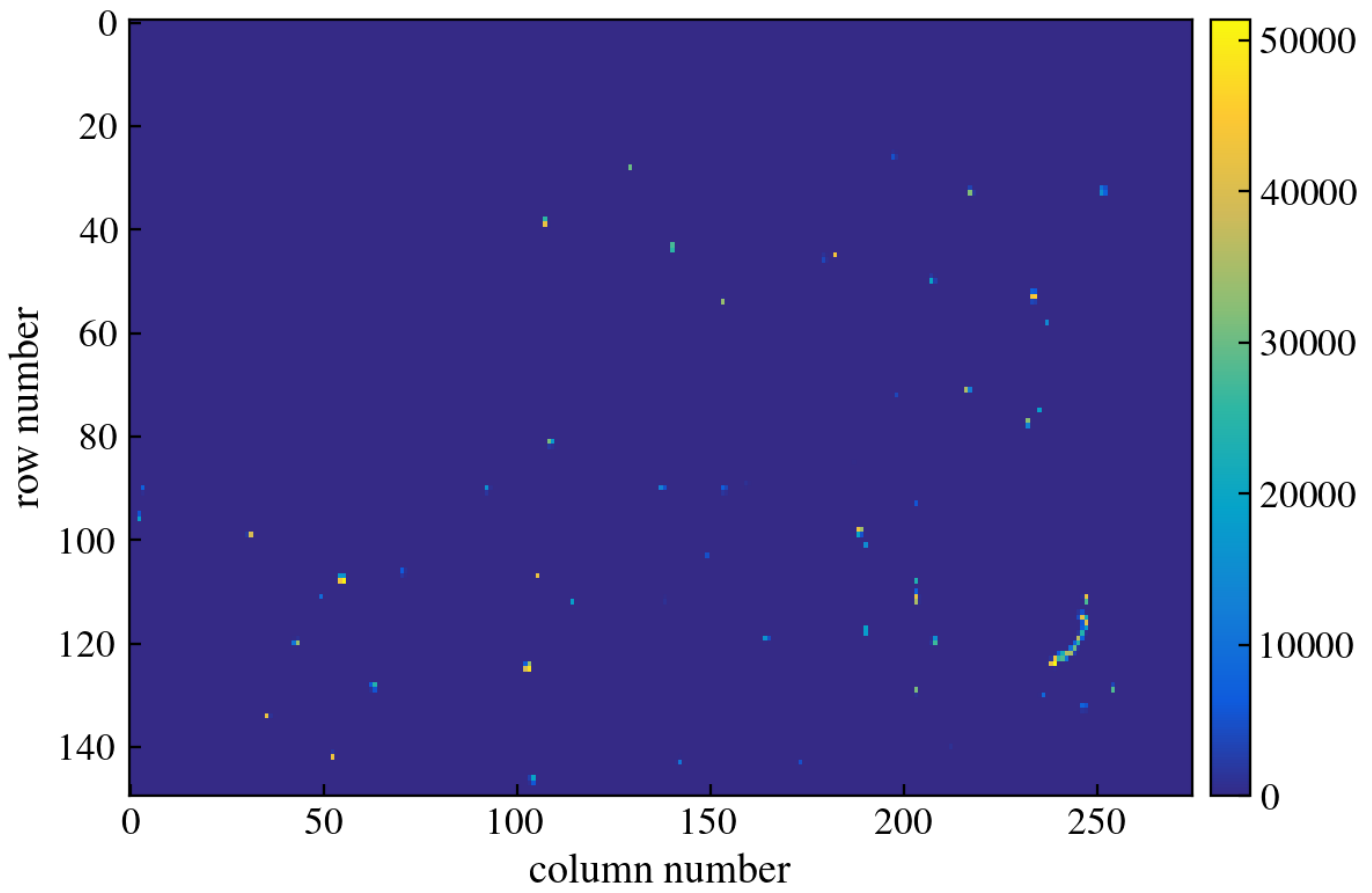


Figure 388: CCD Image

CCD Image: run 454, image 6  
[class MECCDImage]

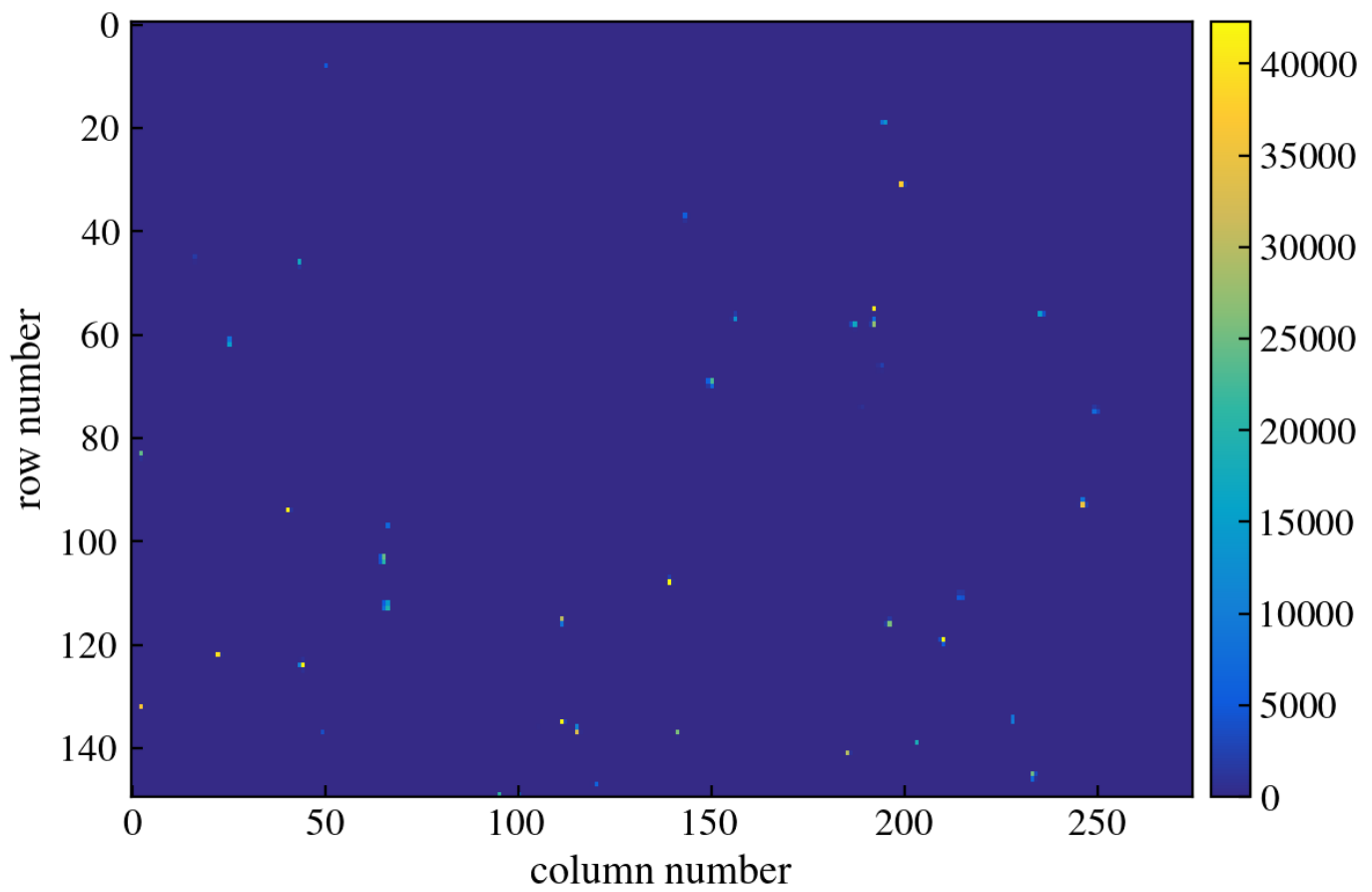


Figure 389: CCD Image

CCD Image: run 454, image 60  
[class MECCDImage]

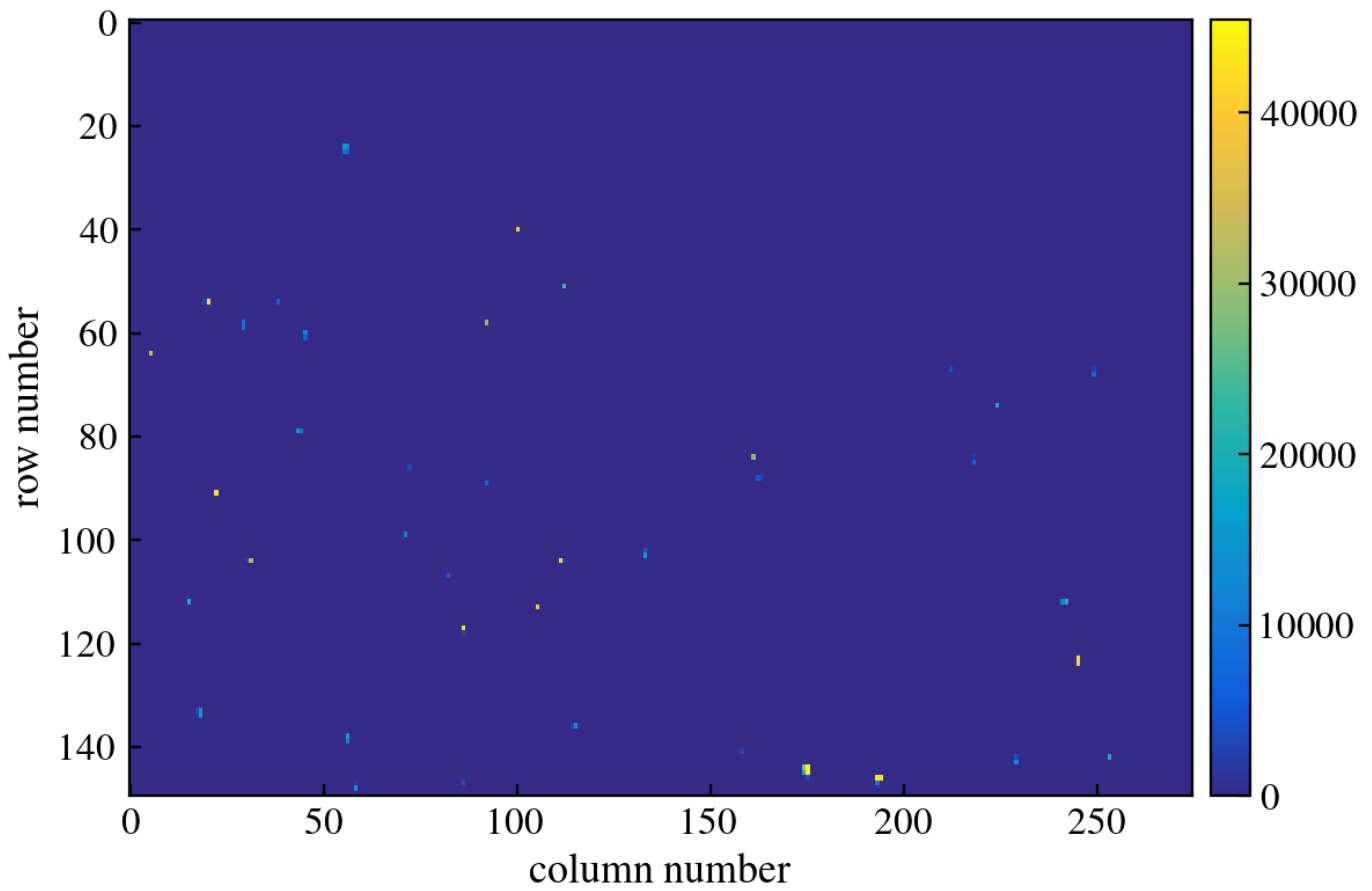


Figure 390: CCD Image

CCD Image: run 454, image 61  
[class MECCDImage]

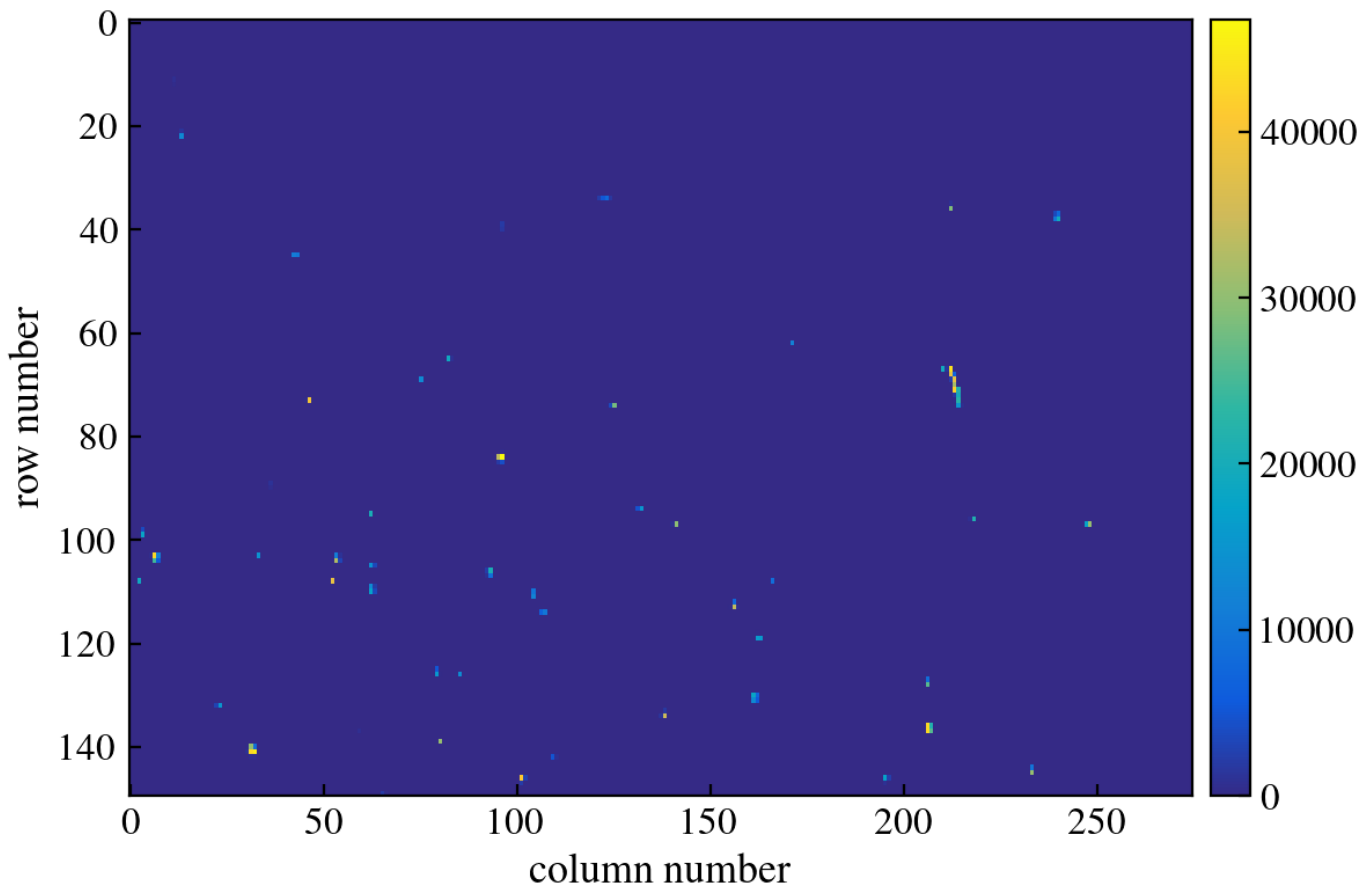


Figure 391: CCD Image



CCD Image: run 454, image 62  
[class MECCDImage]

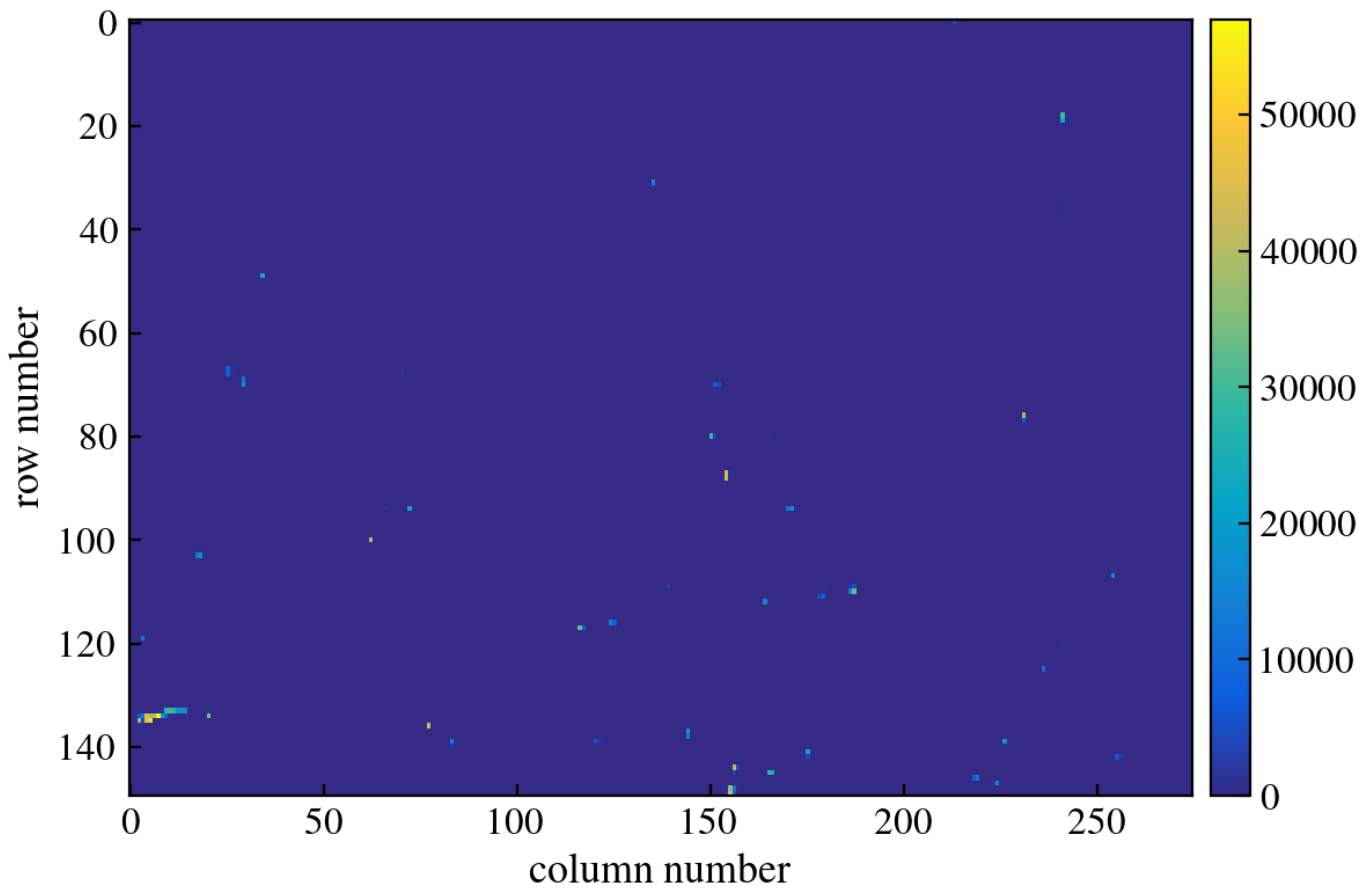


Figure 392: CCD Image

CCD Image: run 454, image 63  
[class MECCDImage]

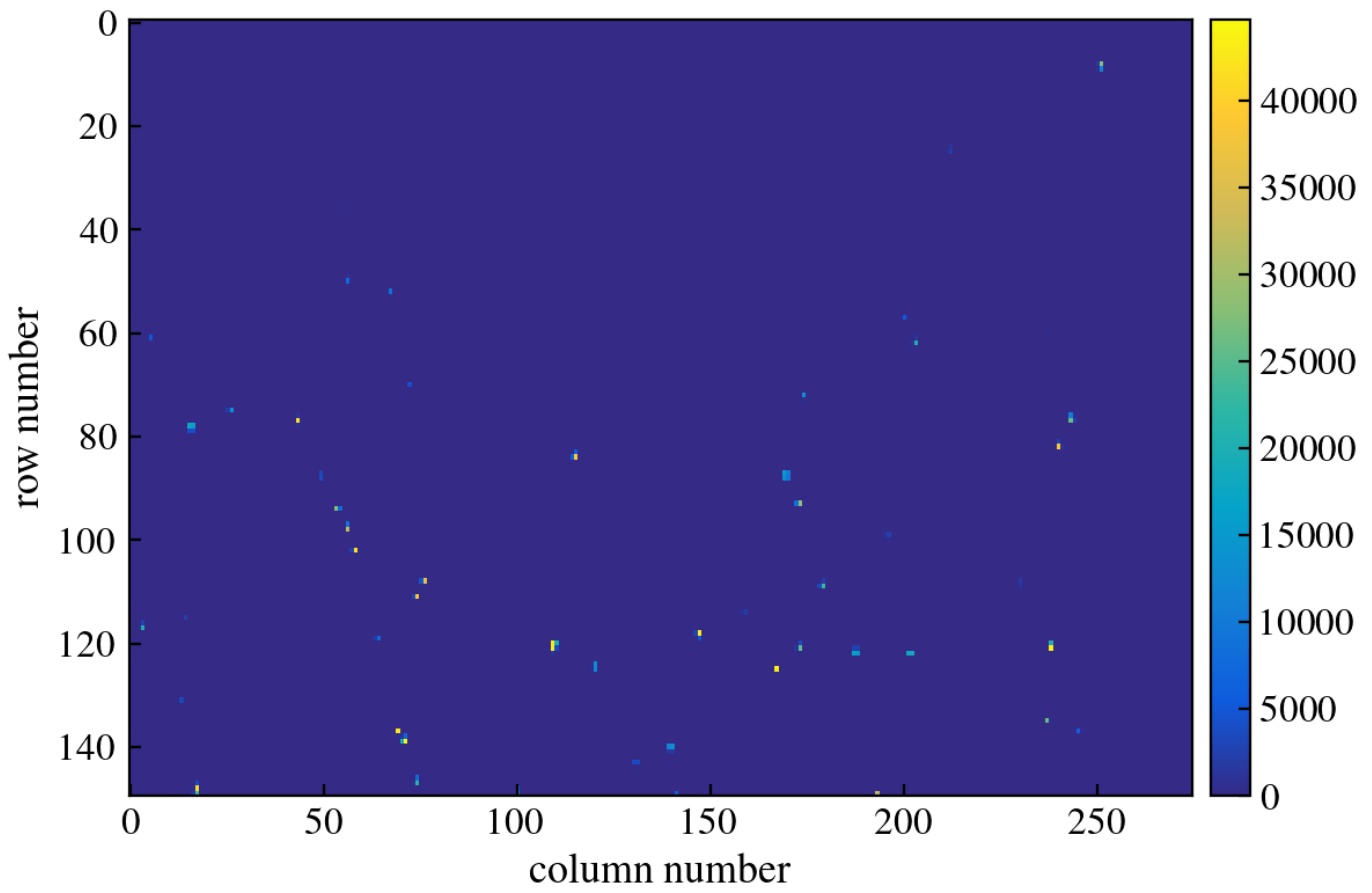


Figure 393: CCD Image

CCD Image: run 454, image 64  
[class MECCDImage]

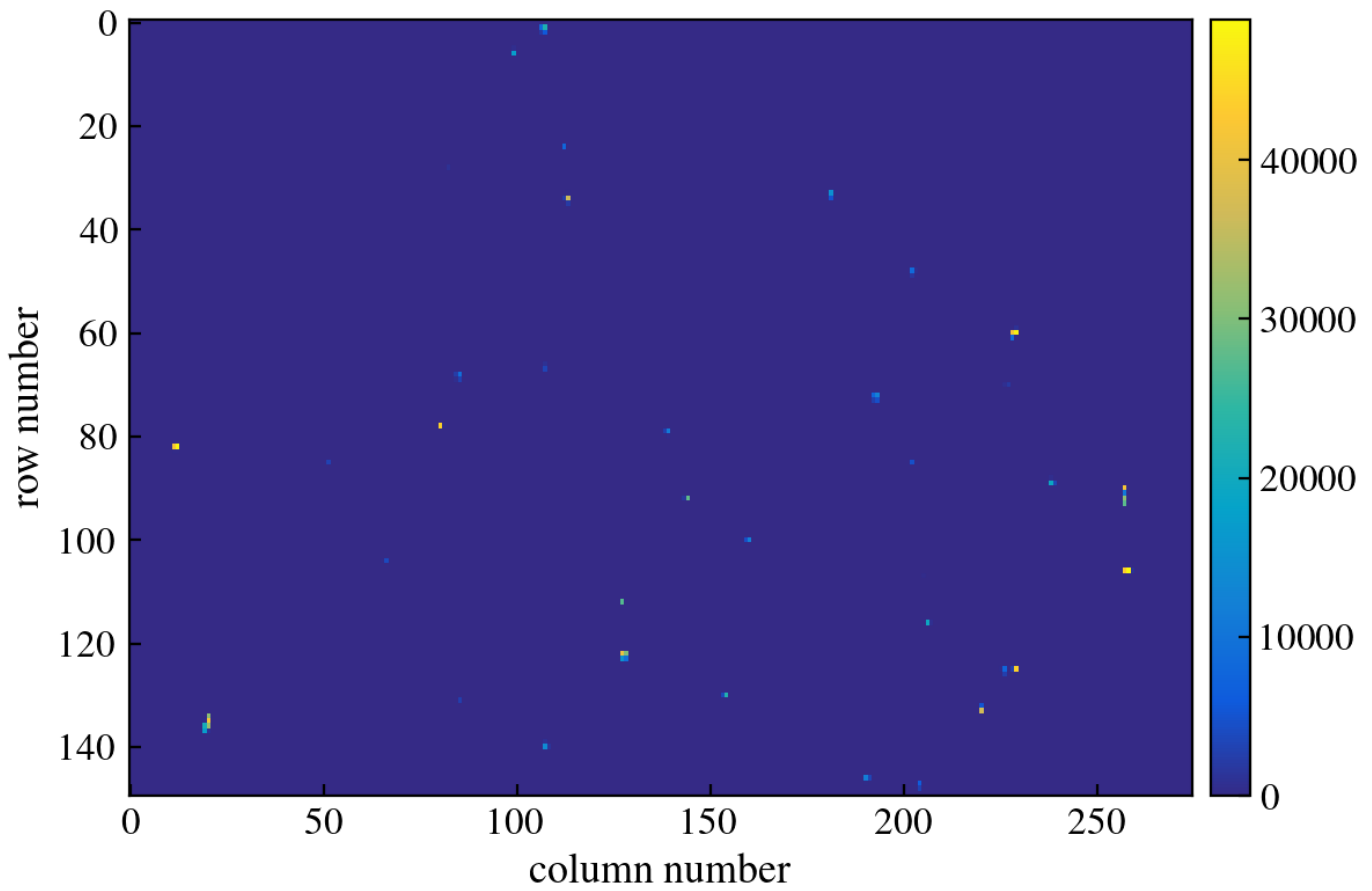


Figure 394: CCD Image

CCD Image: run 454, image 65  
[class MECCDImage]

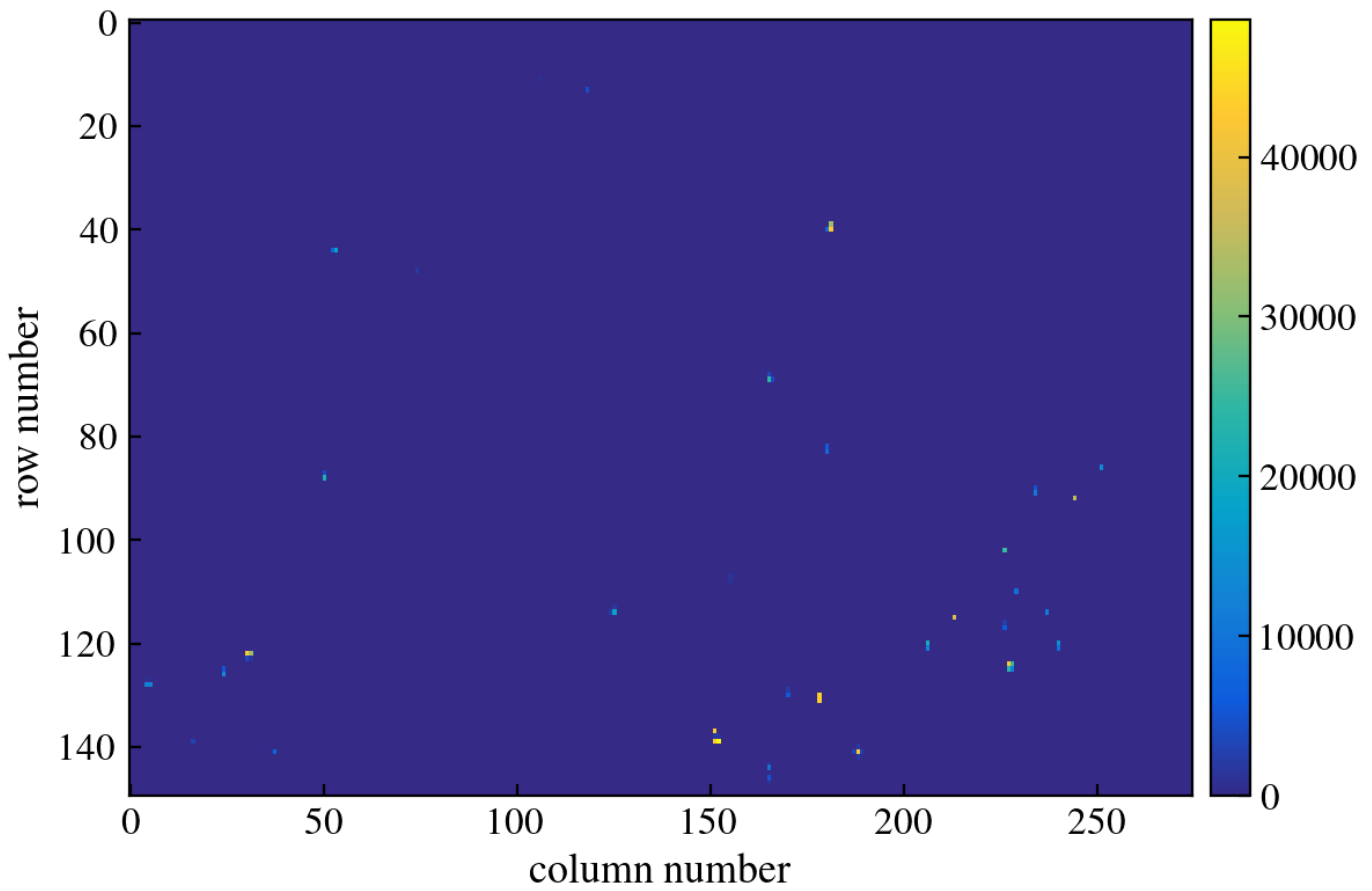


Figure 395: CCD Image

CCD Image: run 454, image 66  
[class MECCDImage]

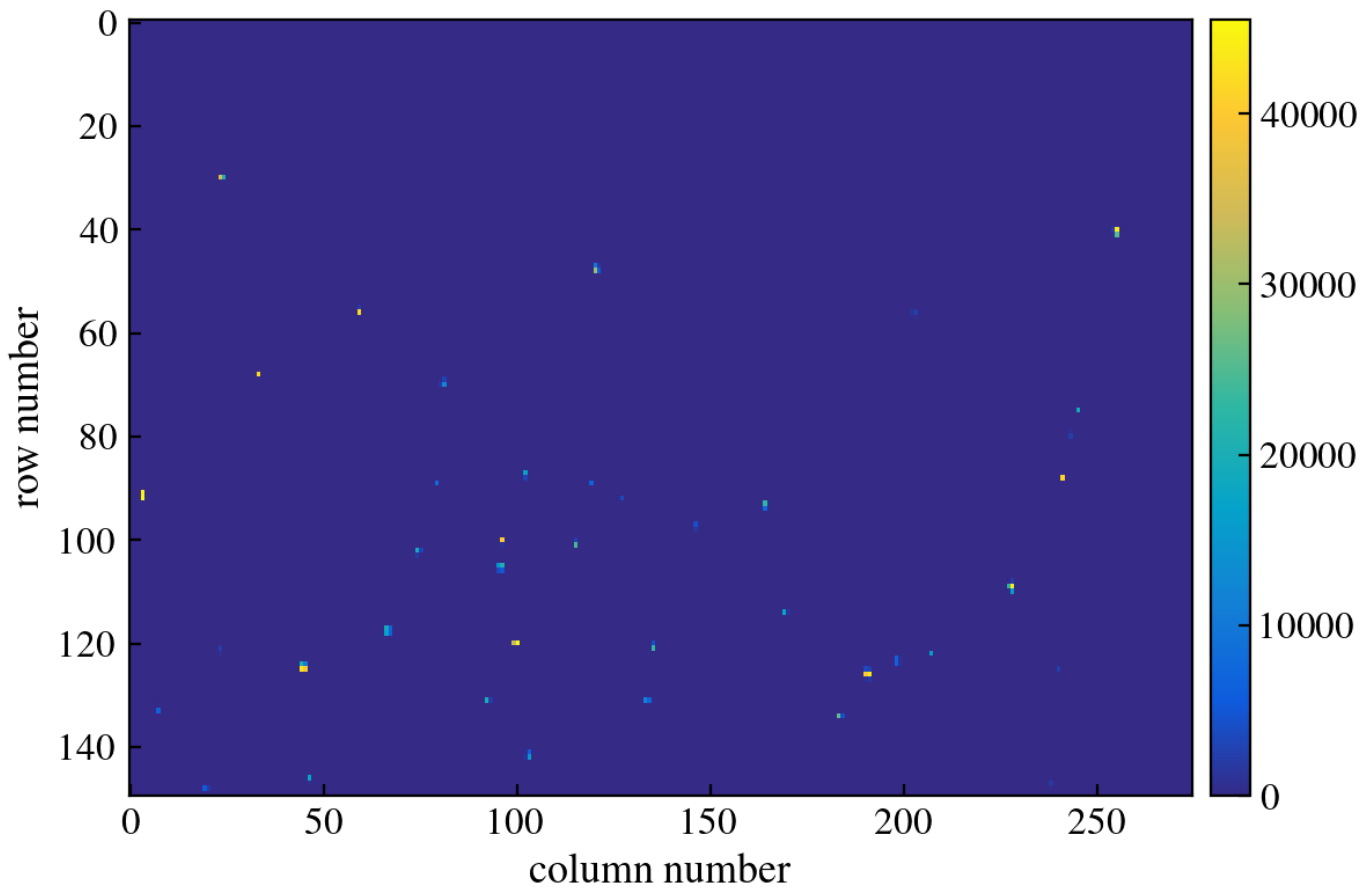


Figure 396: CCD Image

CCD Image: run 454, image 67  
[class MECCDImage]

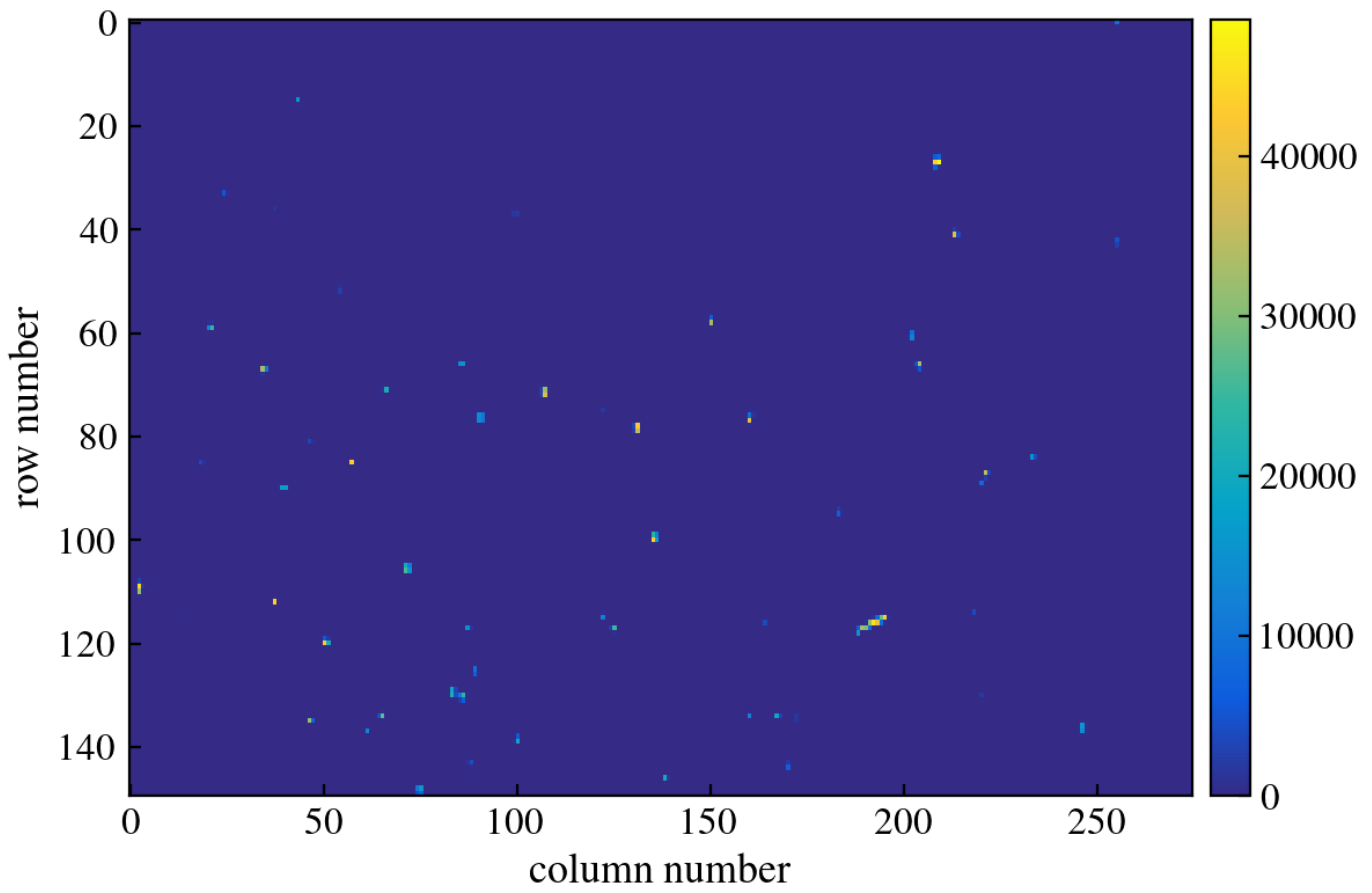


Figure 397: CCD Image

CCD Image: run 454, image 68  
[class MECCDImage]

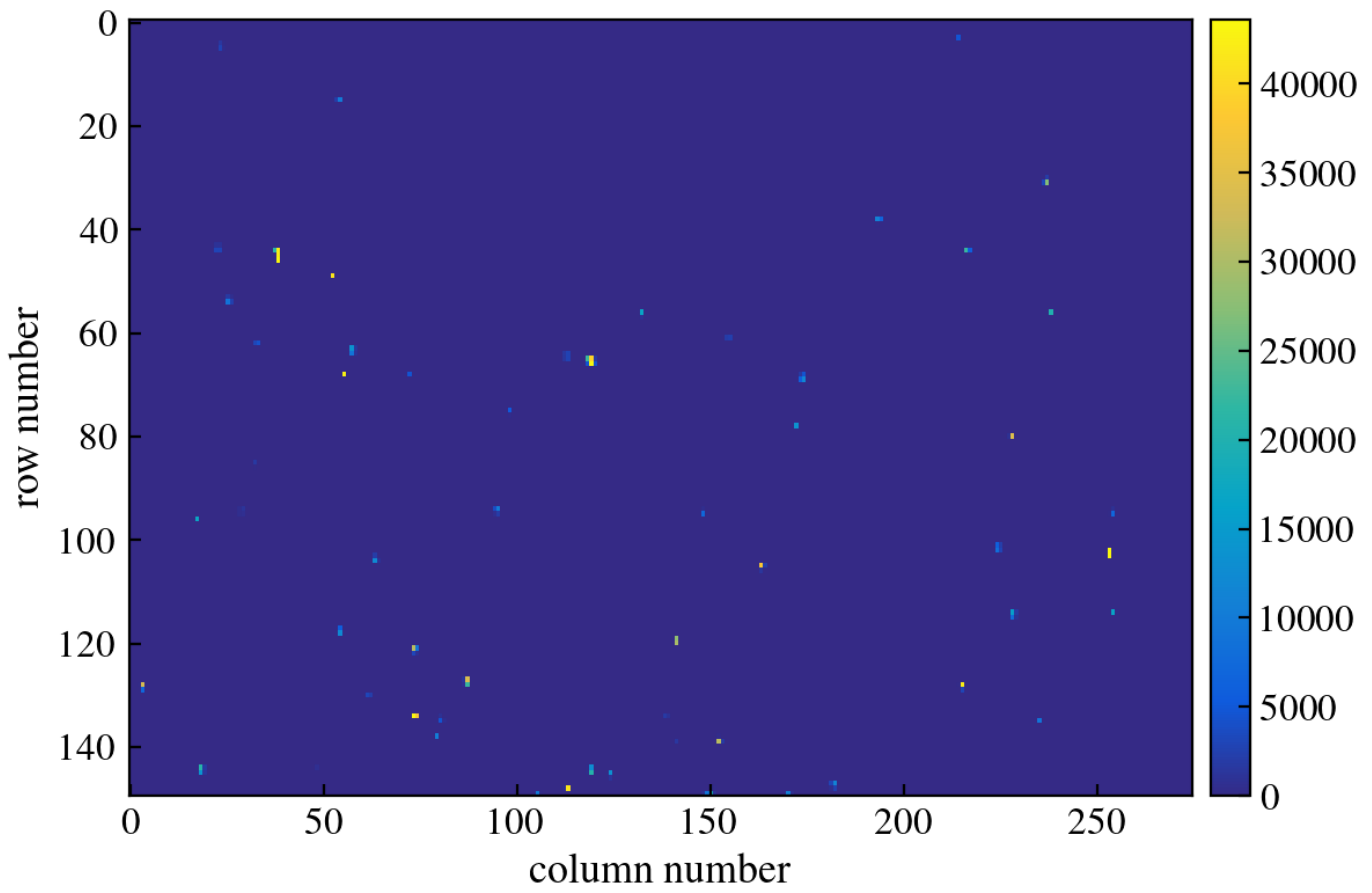


Figure 398: CCD Image

CCD Image: run 454, image 69  
[class MECCDImage]

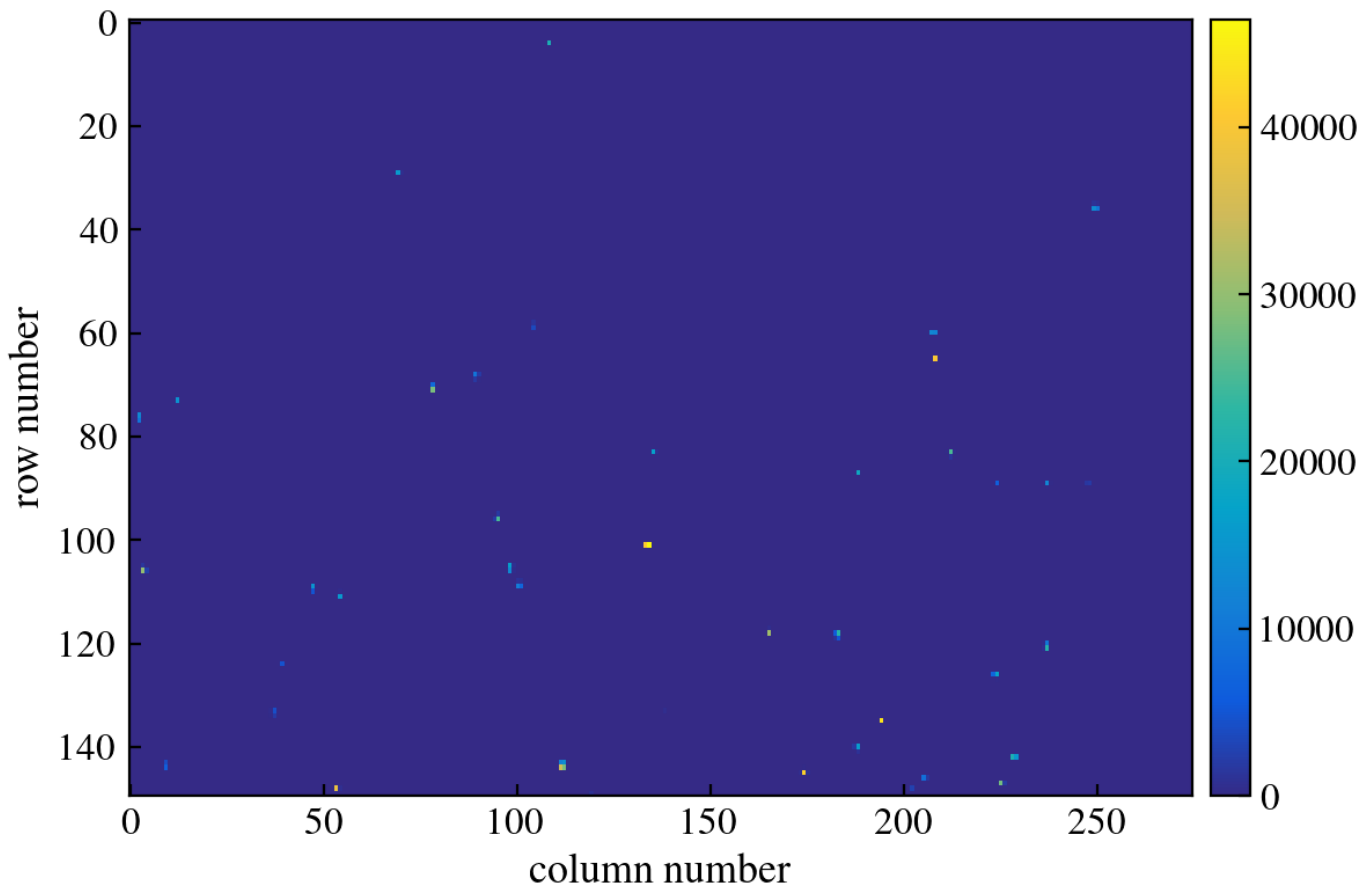


Figure 399: CCD Image



CCD Image: run 454, image 7  
[class MECCDImage]

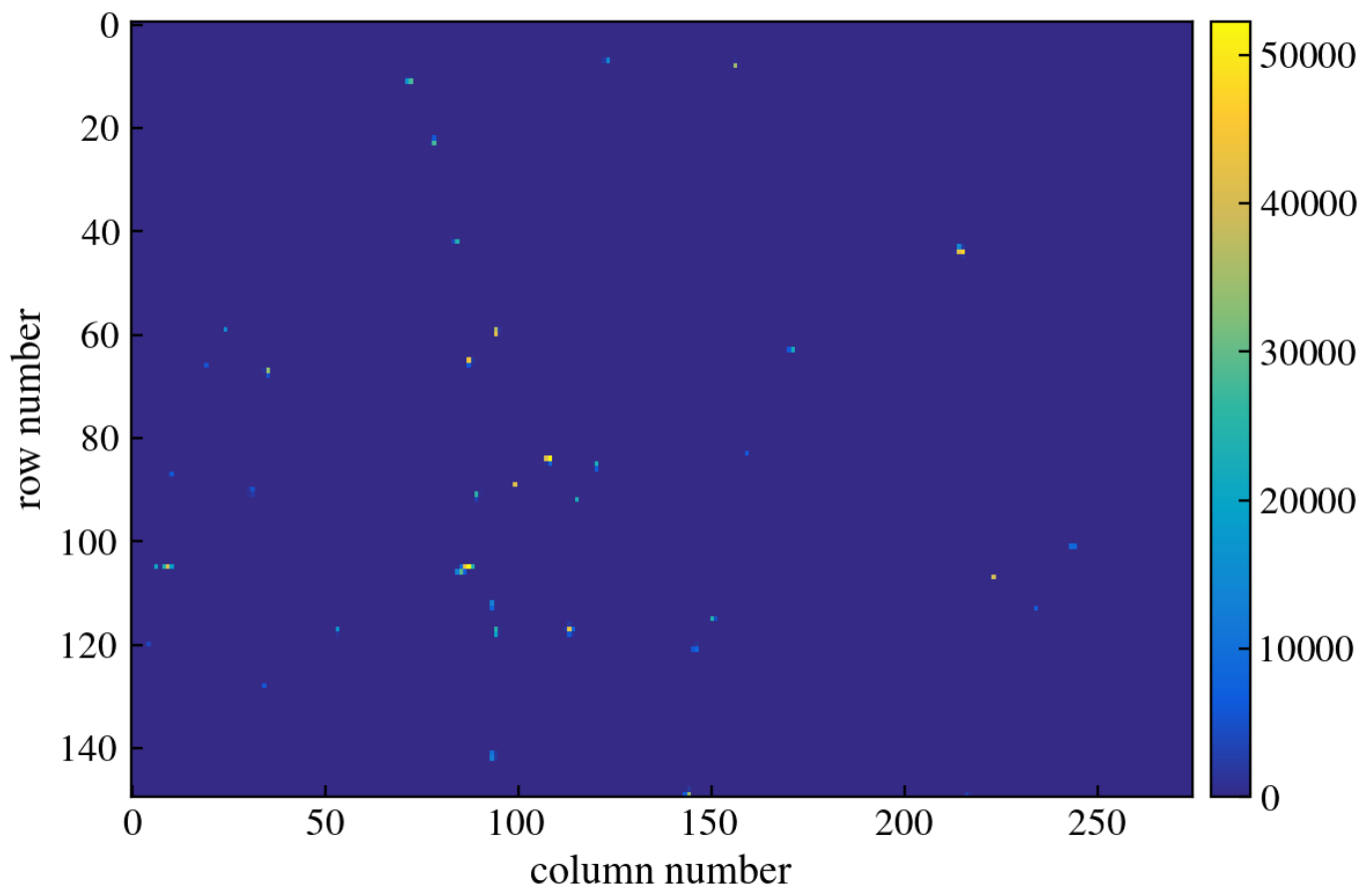


Figure 400: CCD Image

CCD Image: run 454, image 70  
[class MECCDImage]

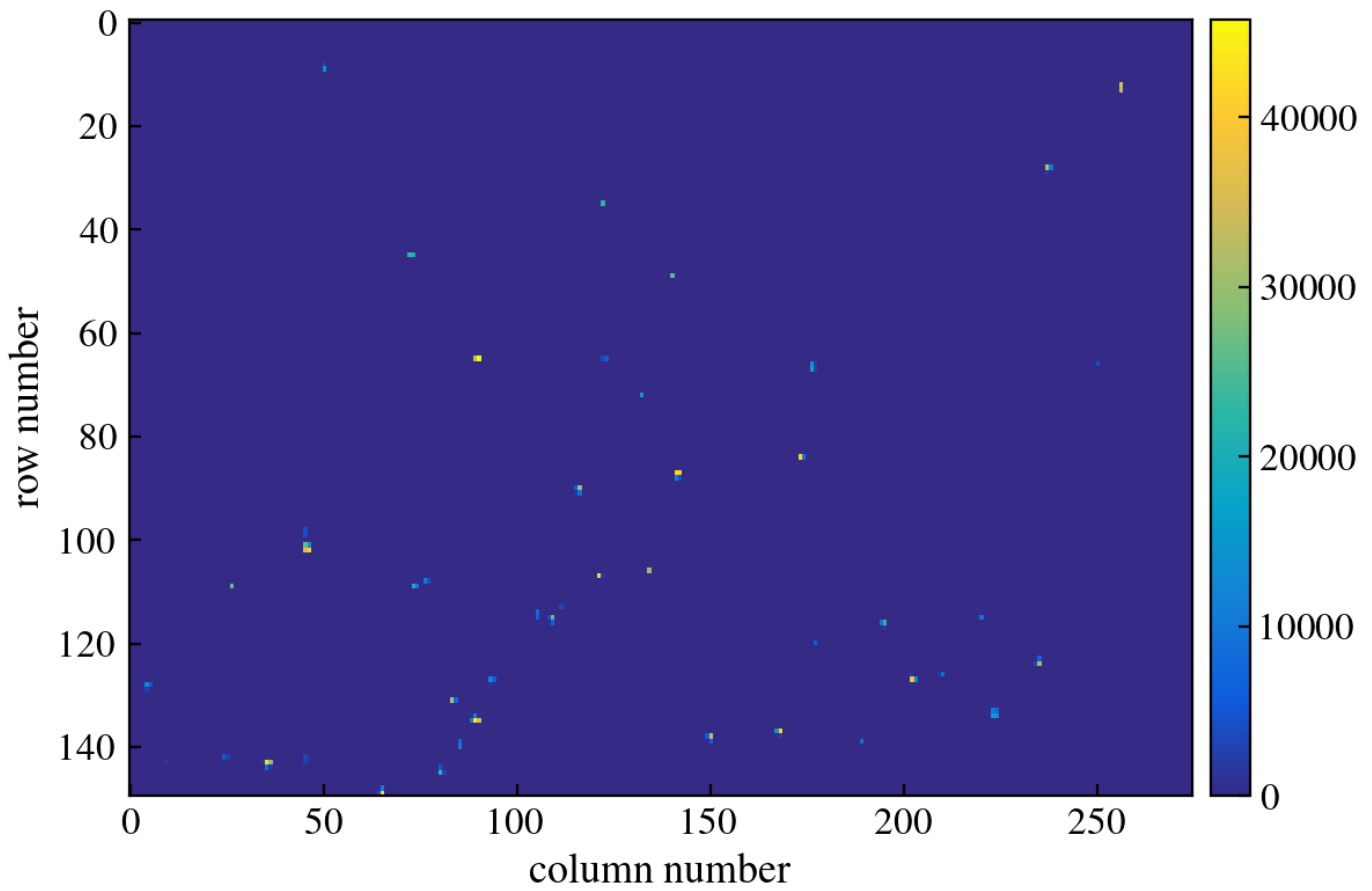


Figure 401: CCD Image

CCD Image: run 454, image 71  
[class MECCDImage]

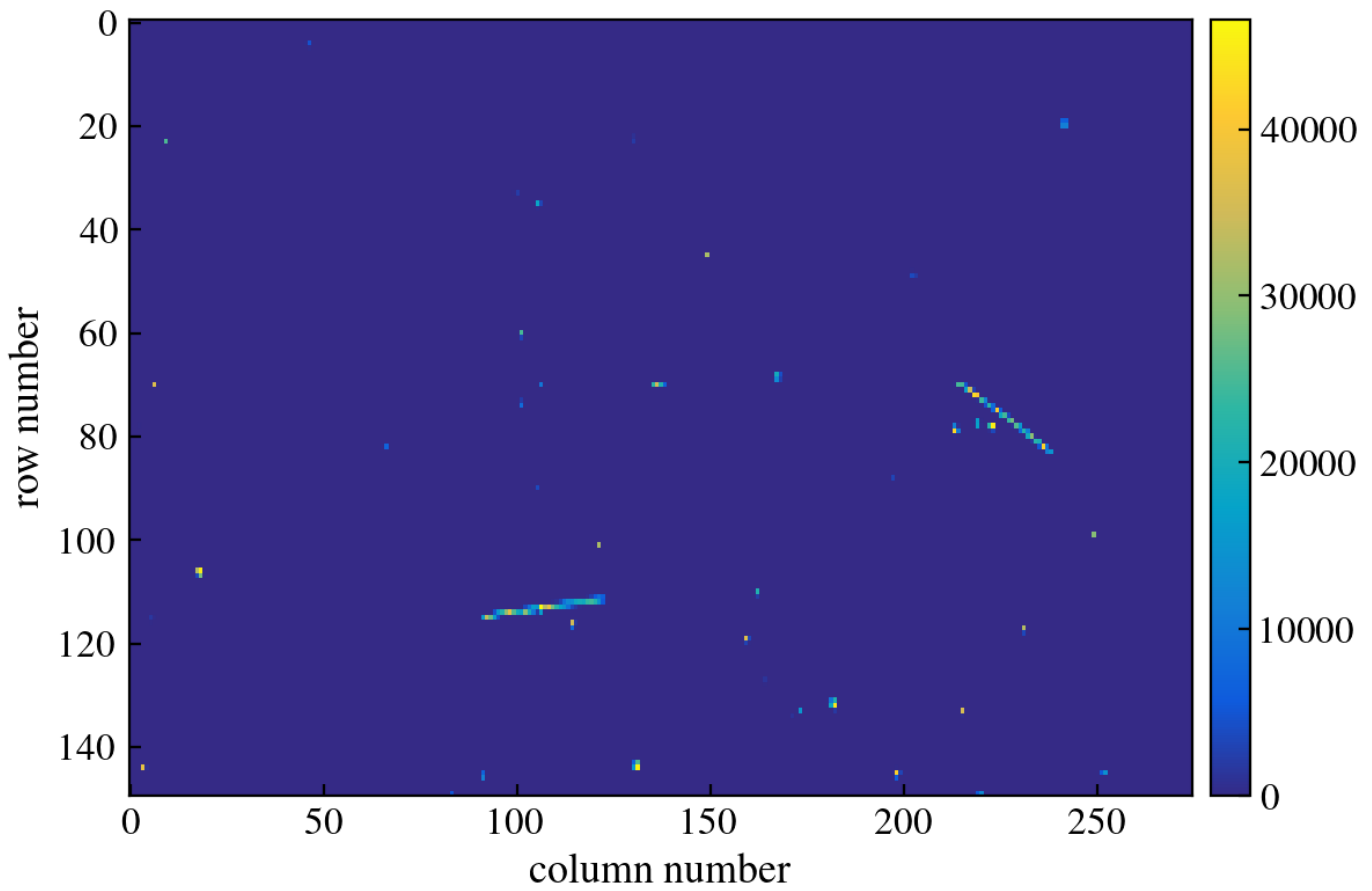


Figure 402: CCD Image

CCD Image: run 454, image 72  
[class MECCDImage]

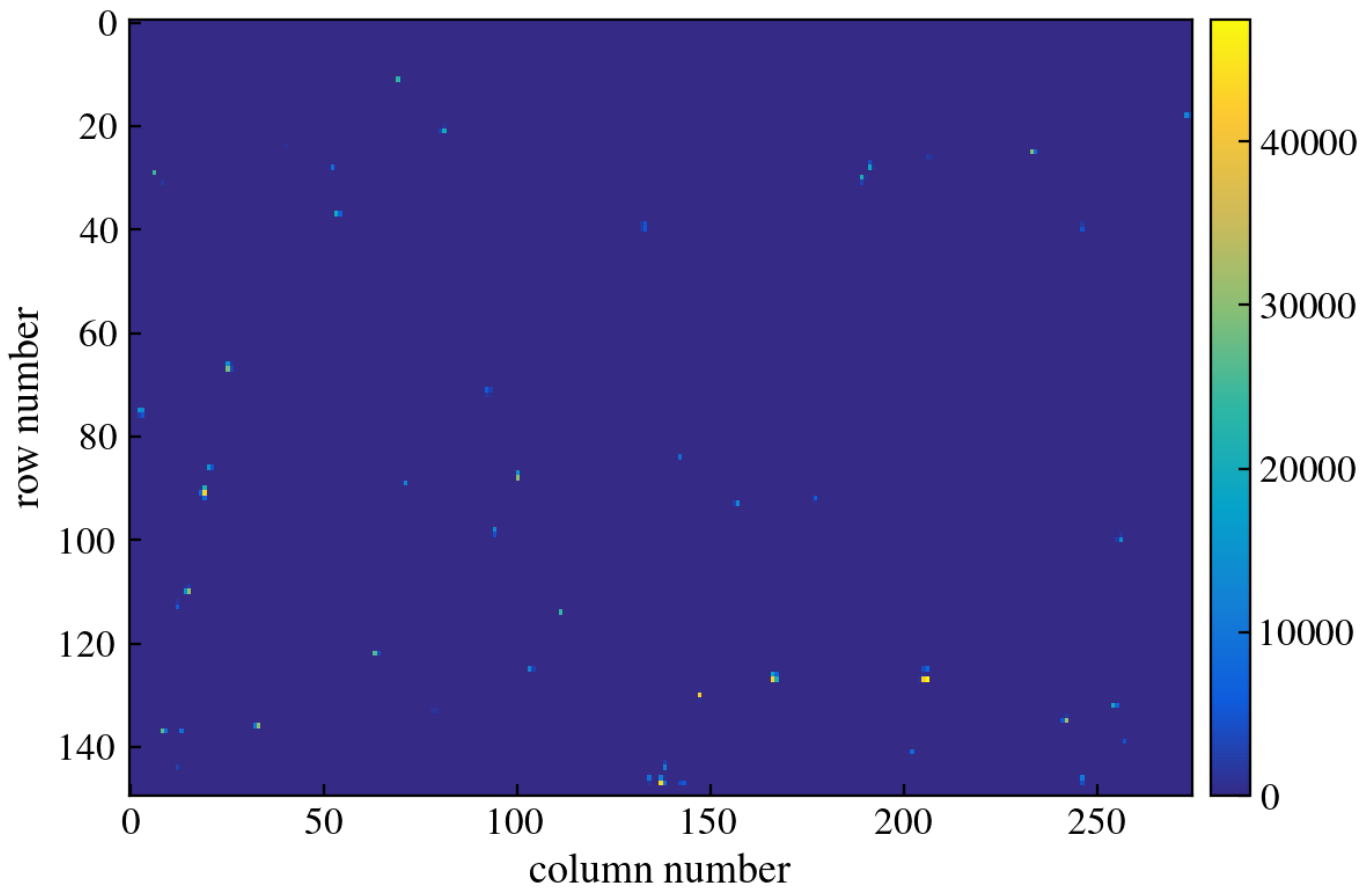


Figure 403: CCD Image

CCD Image: run 454, image 73  
[class MECCDImage]

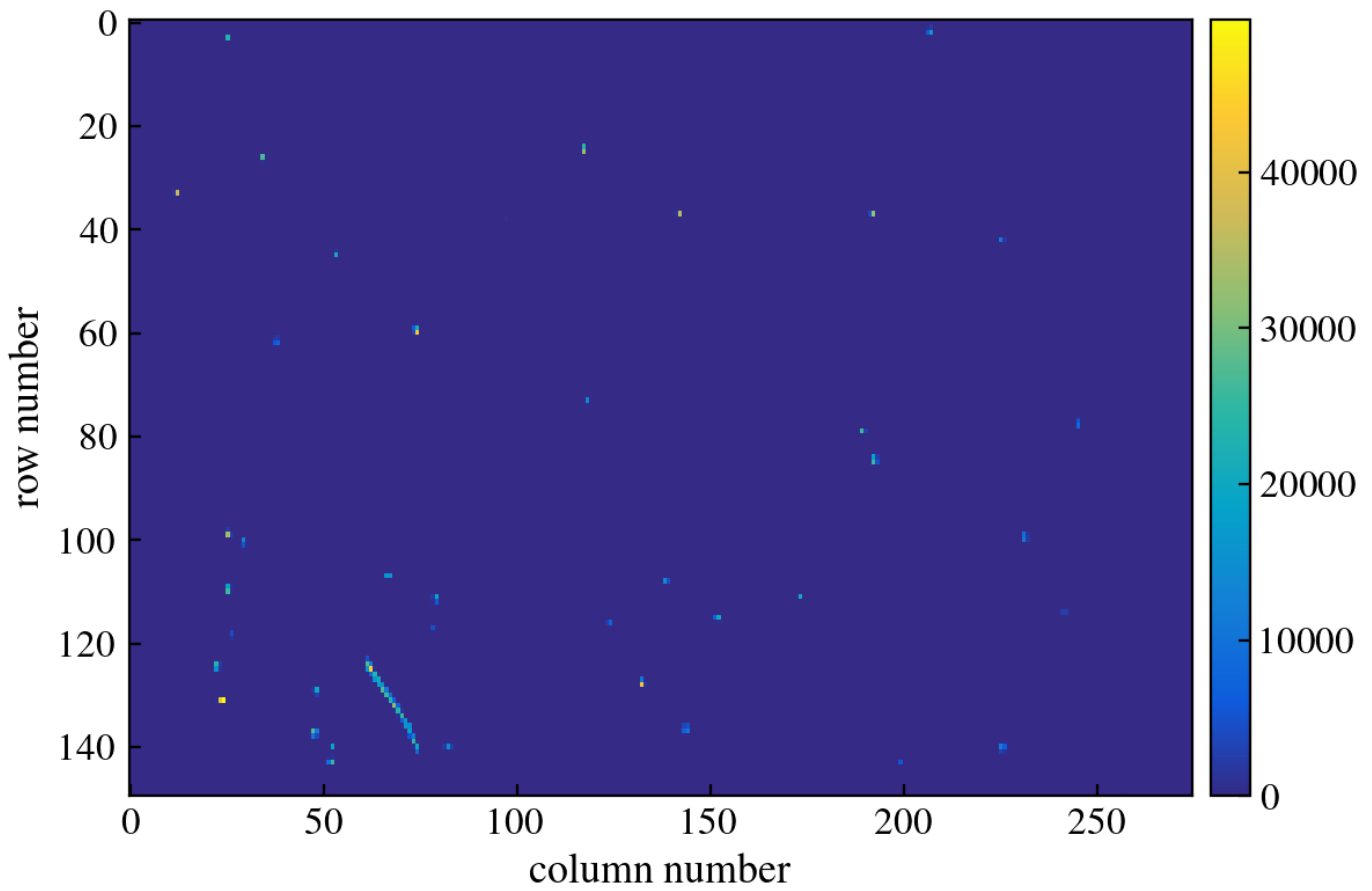


Figure 404: CCD Image

CCD Image: run 454, image 74  
[class MECCDImage]

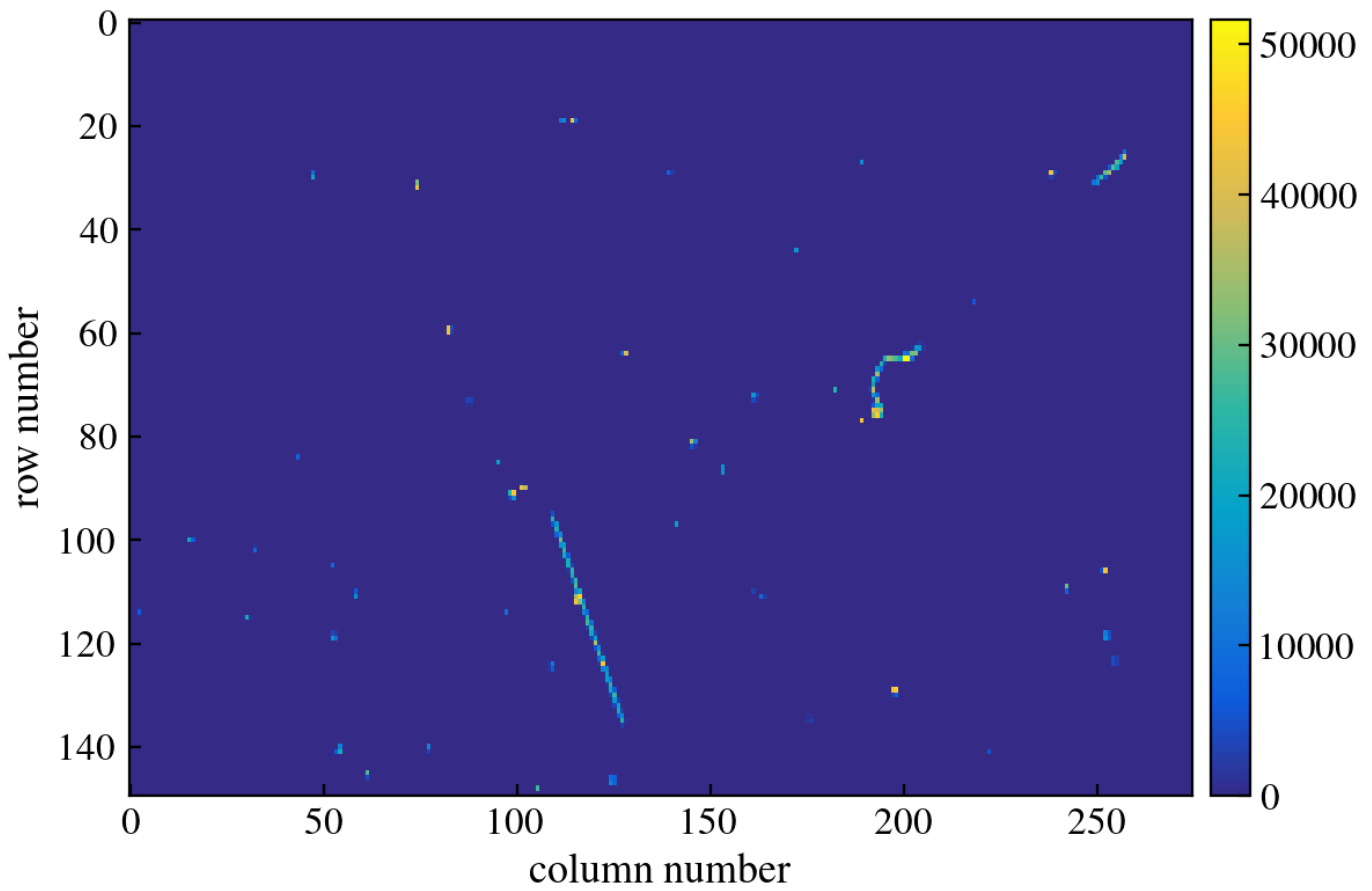


Figure 405: CCD Image

CCD Image: run 454, image 75  
[class MECCDImage]

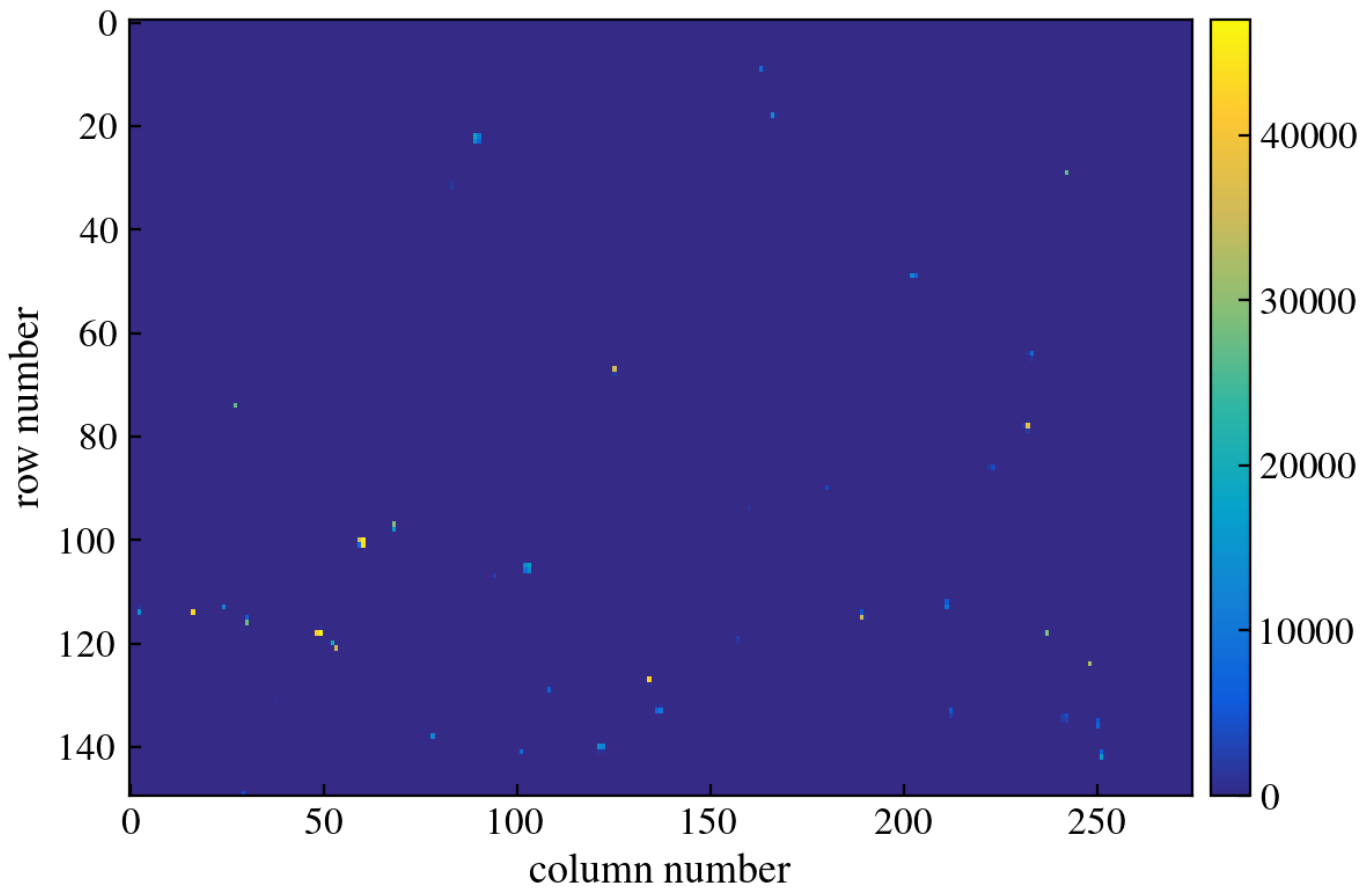


Figure 406: CCD Image

CCD Image: run 454, image 76  
[class MECCDImage]

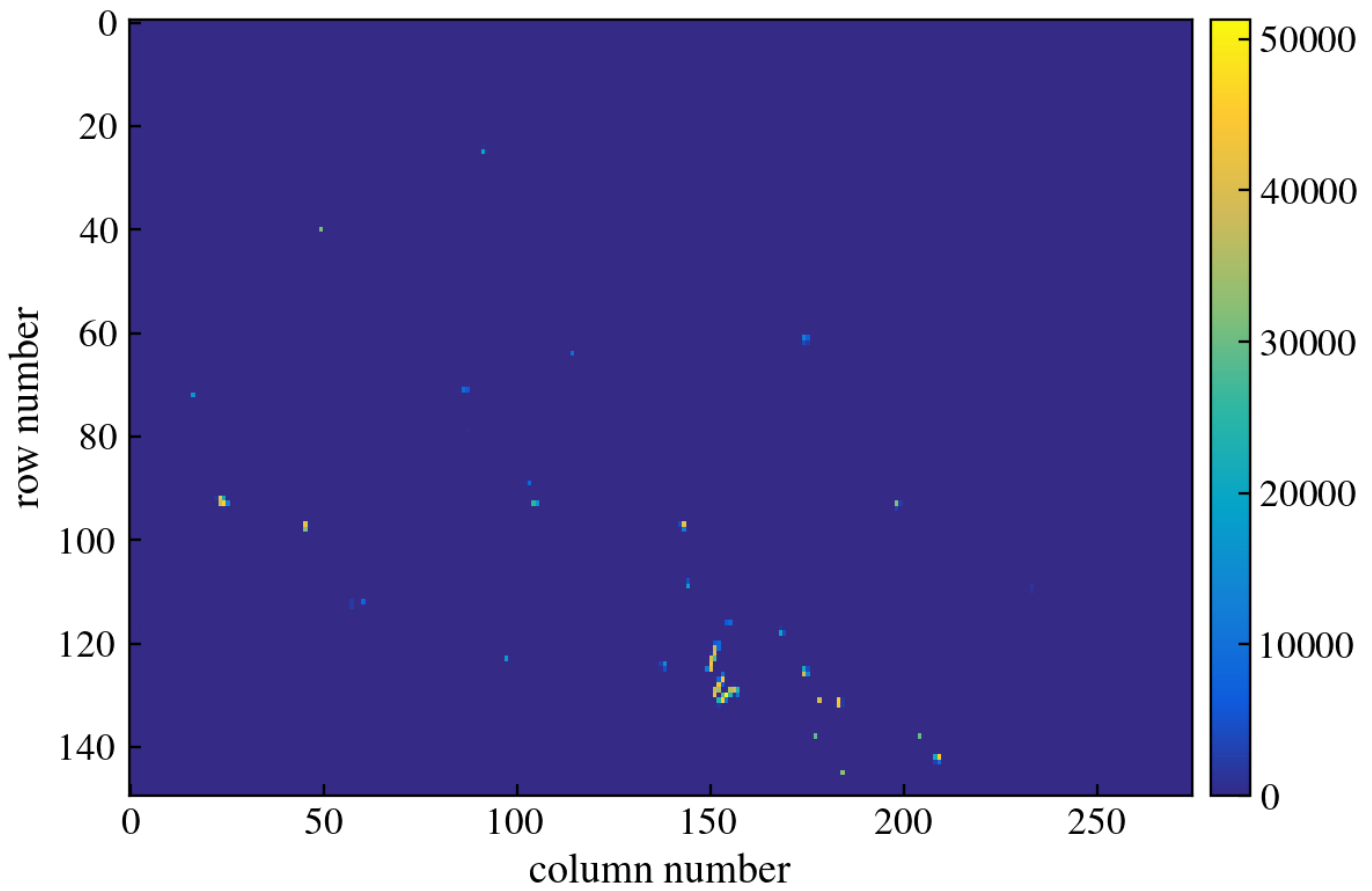


Figure 407: CCD Image



CCD Image: run 454, image 77  
[class MECCDImage]

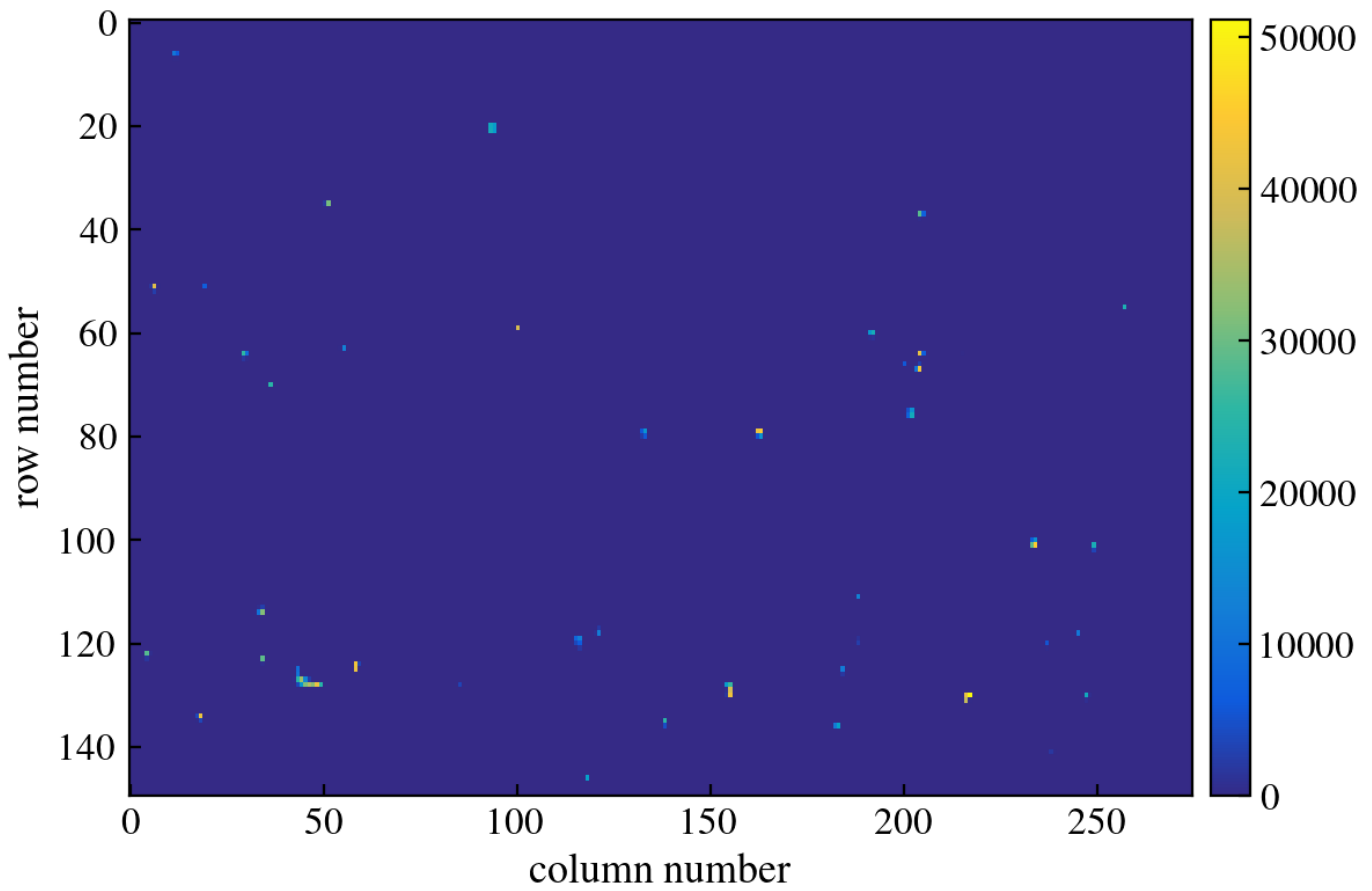


Figure 408: CCD Image

CCD Image: run 454, image 78  
[class MECCDImage]

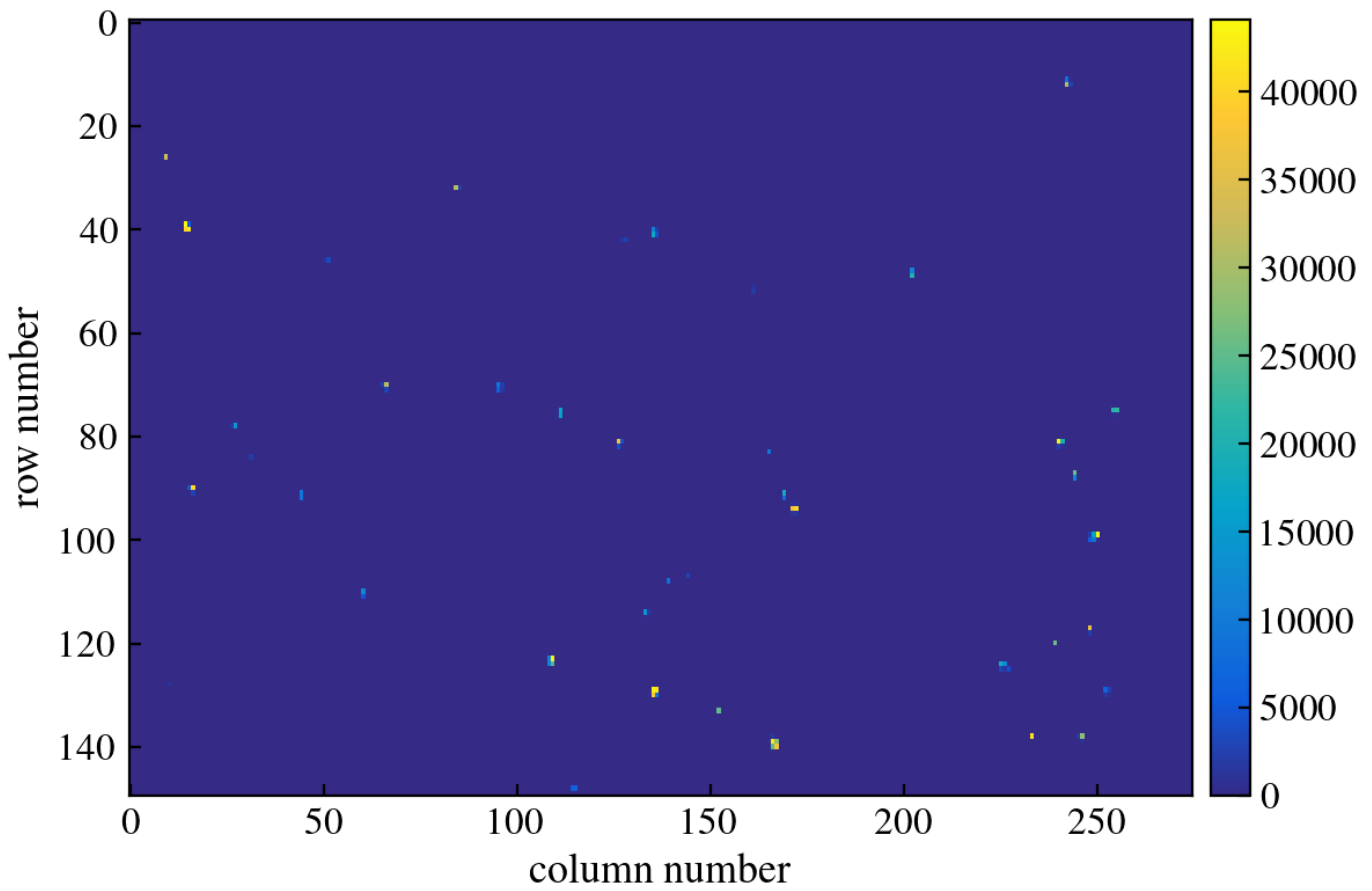


Figure 409: CCD Image

CCD Image: run 454, image 79  
[class MECCDImage]

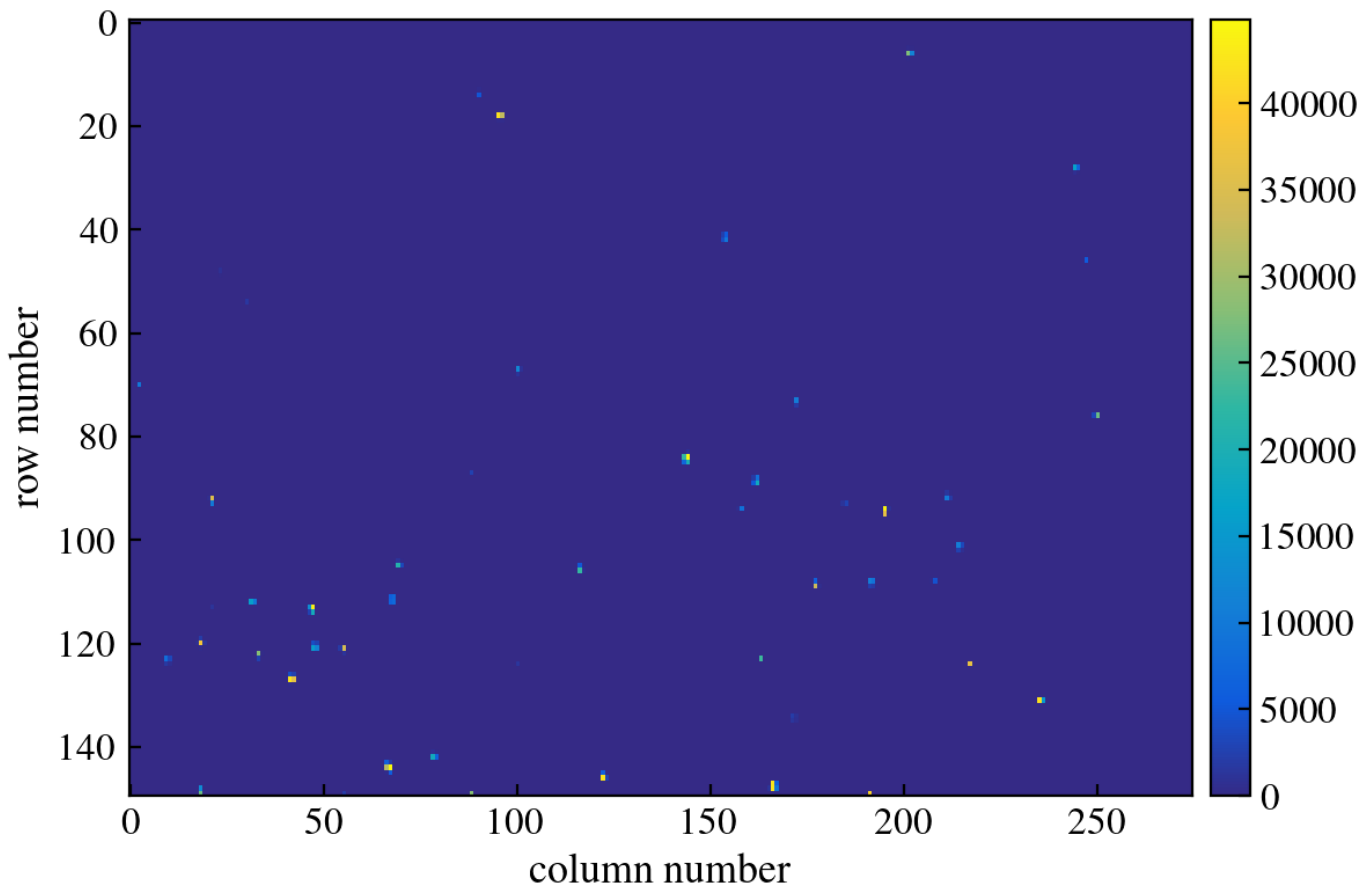


Figure 410: CCD Image

CCD Image: run 454, image 8  
[class MECCDImage]

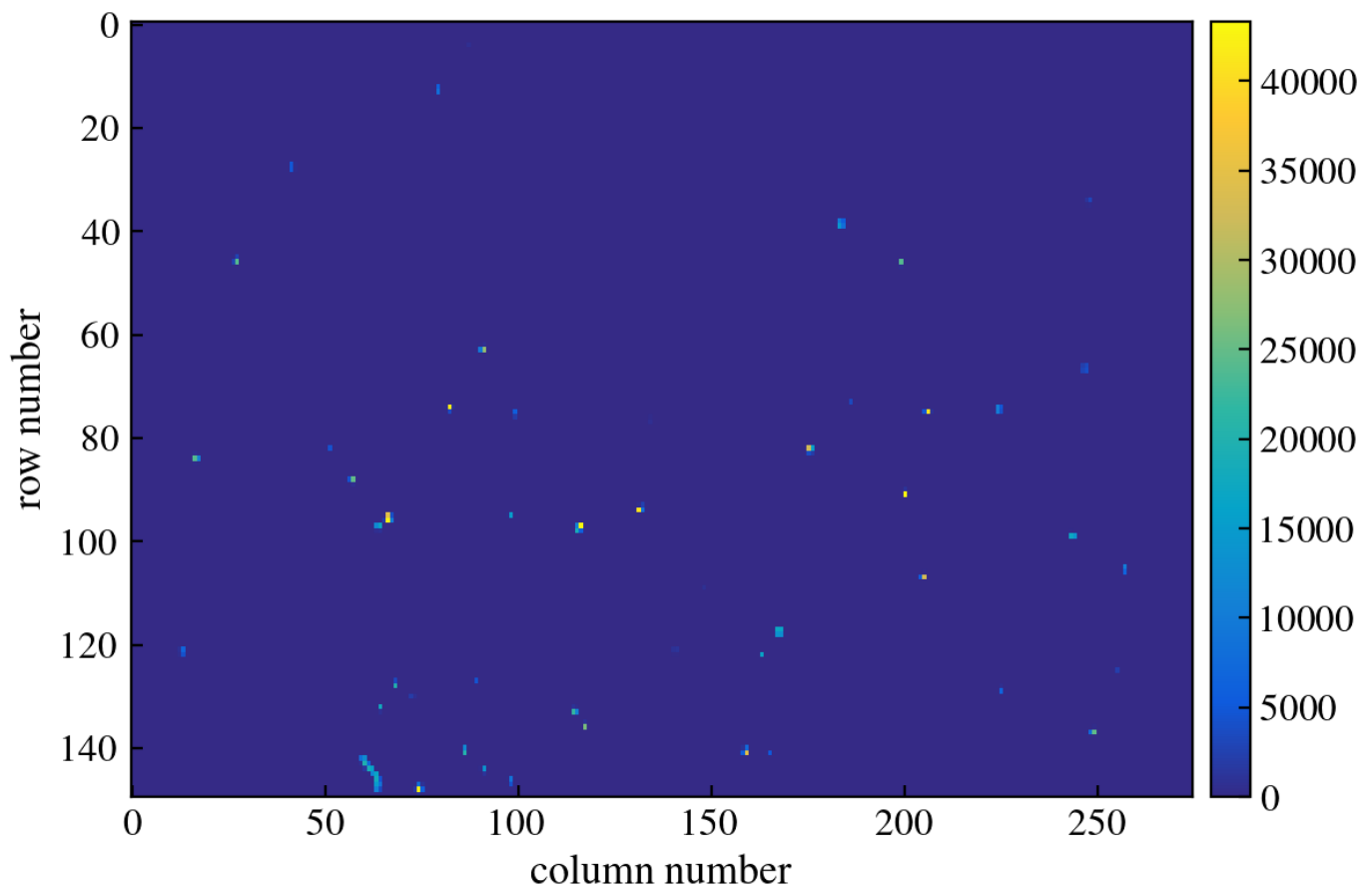


Figure 411: CCD Image

CCD Image: run 454, image 80  
[class MECCDImage]

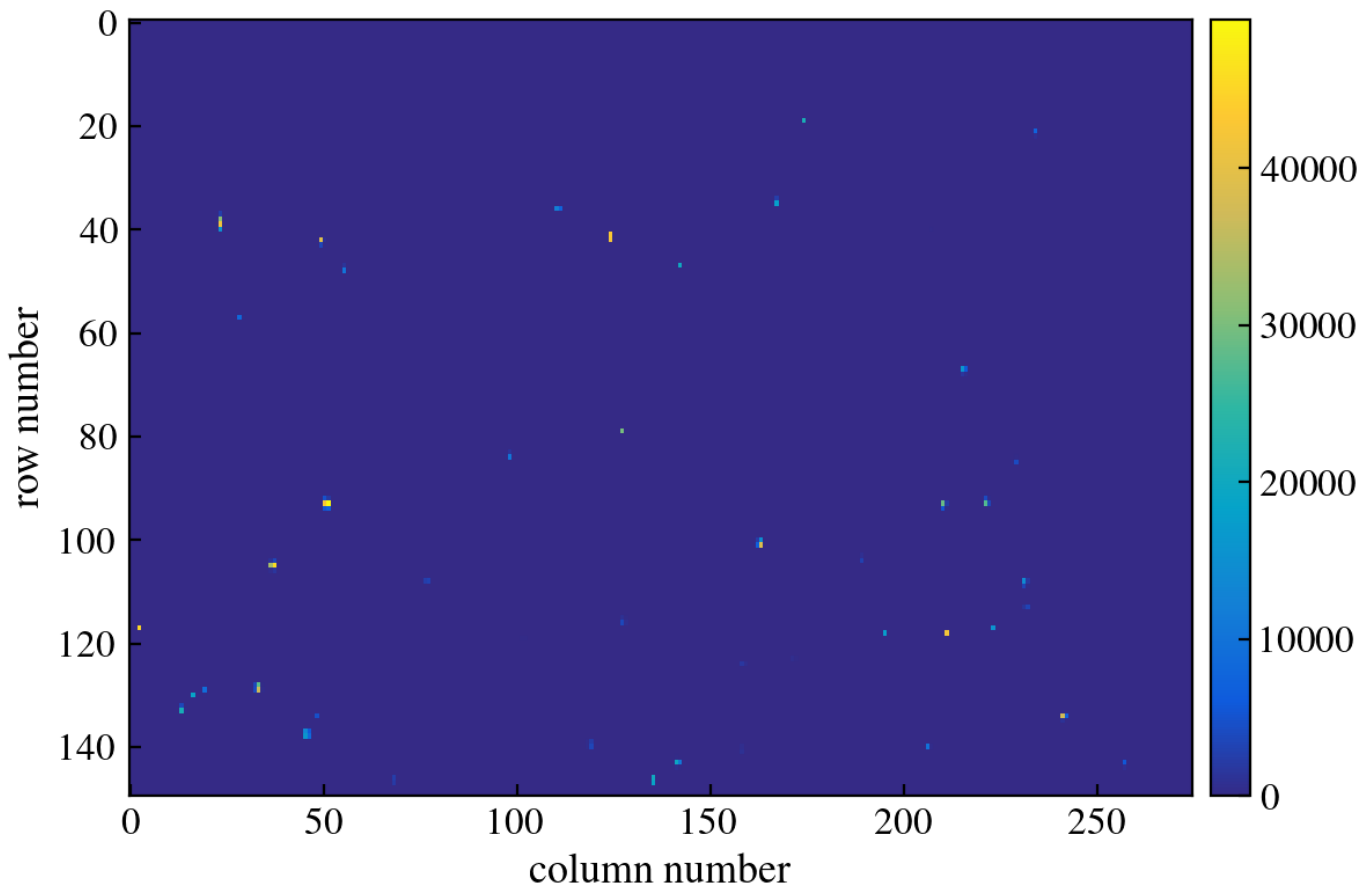


Figure 412: CCD Image

CCD Image: run 454, image 81  
[class MECCDImage]

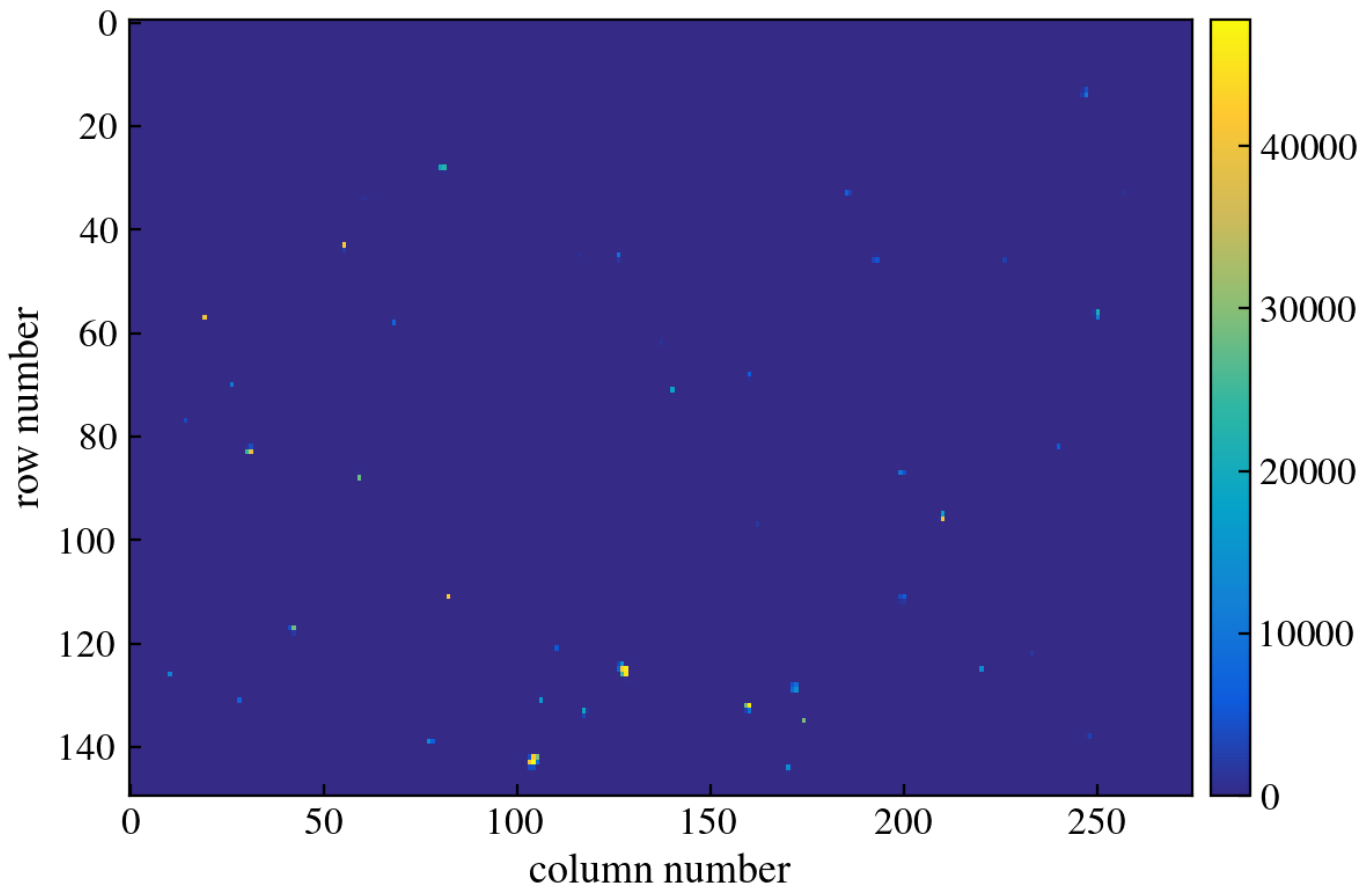


Figure 413: CCD Image

CCD Image: run 454, image 82  
[class MECCDImage]

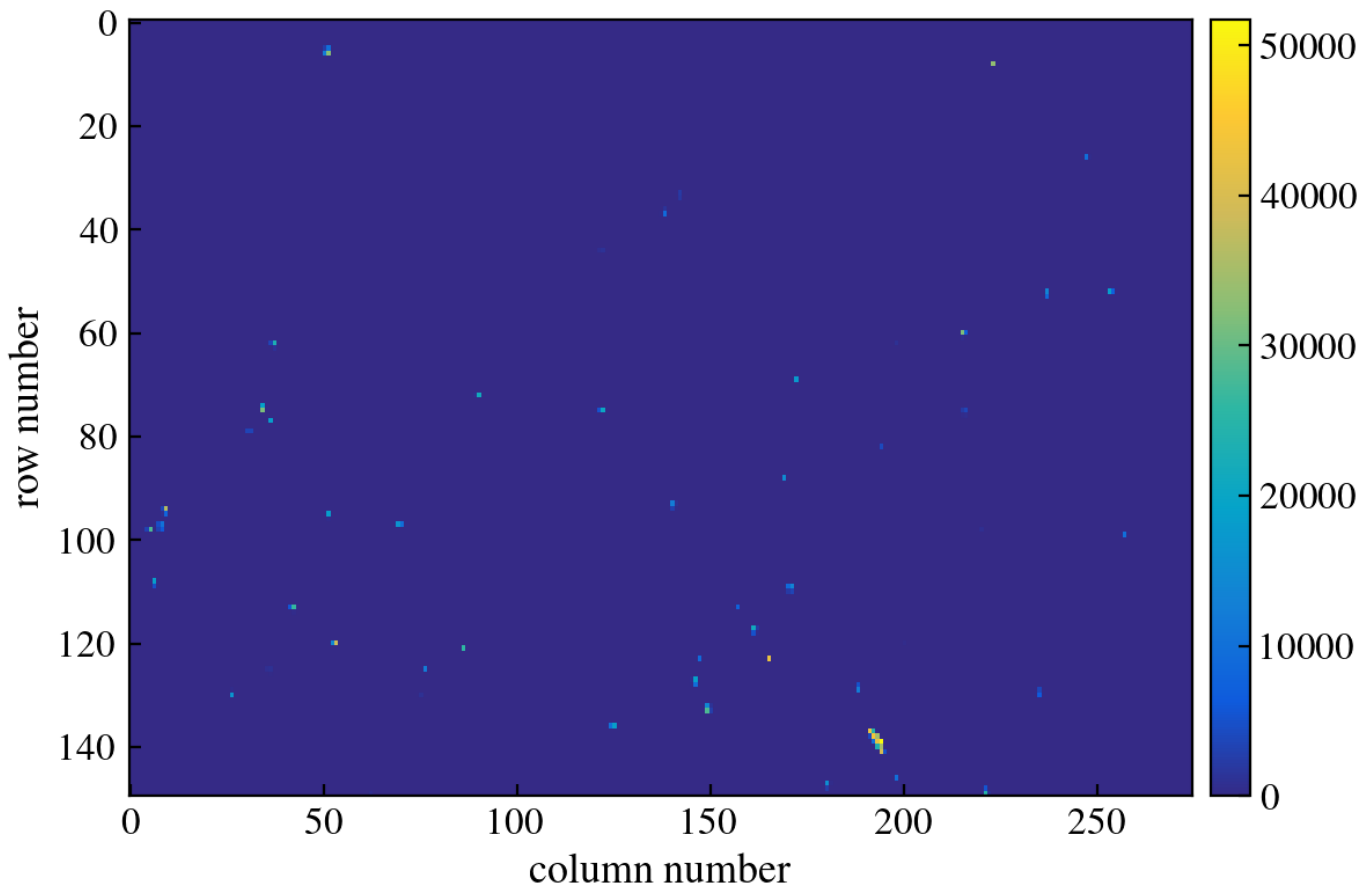


Figure 414: CCD Image

CCD Image: run 454, image 83  
[class MECCDImage]

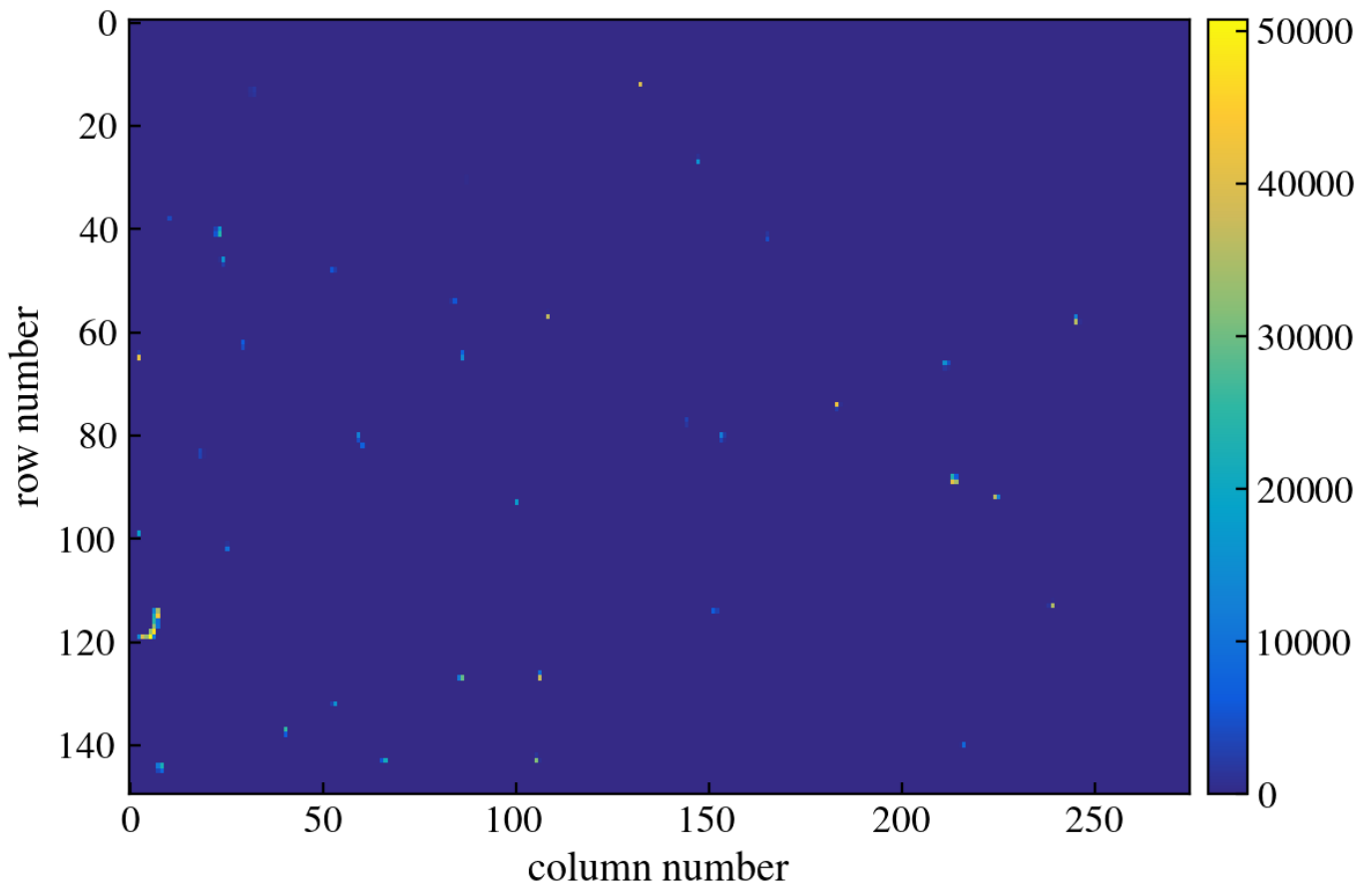


Figure 415: CCD Image



CCD Image: run 454, image 84  
[class MECCDImage]

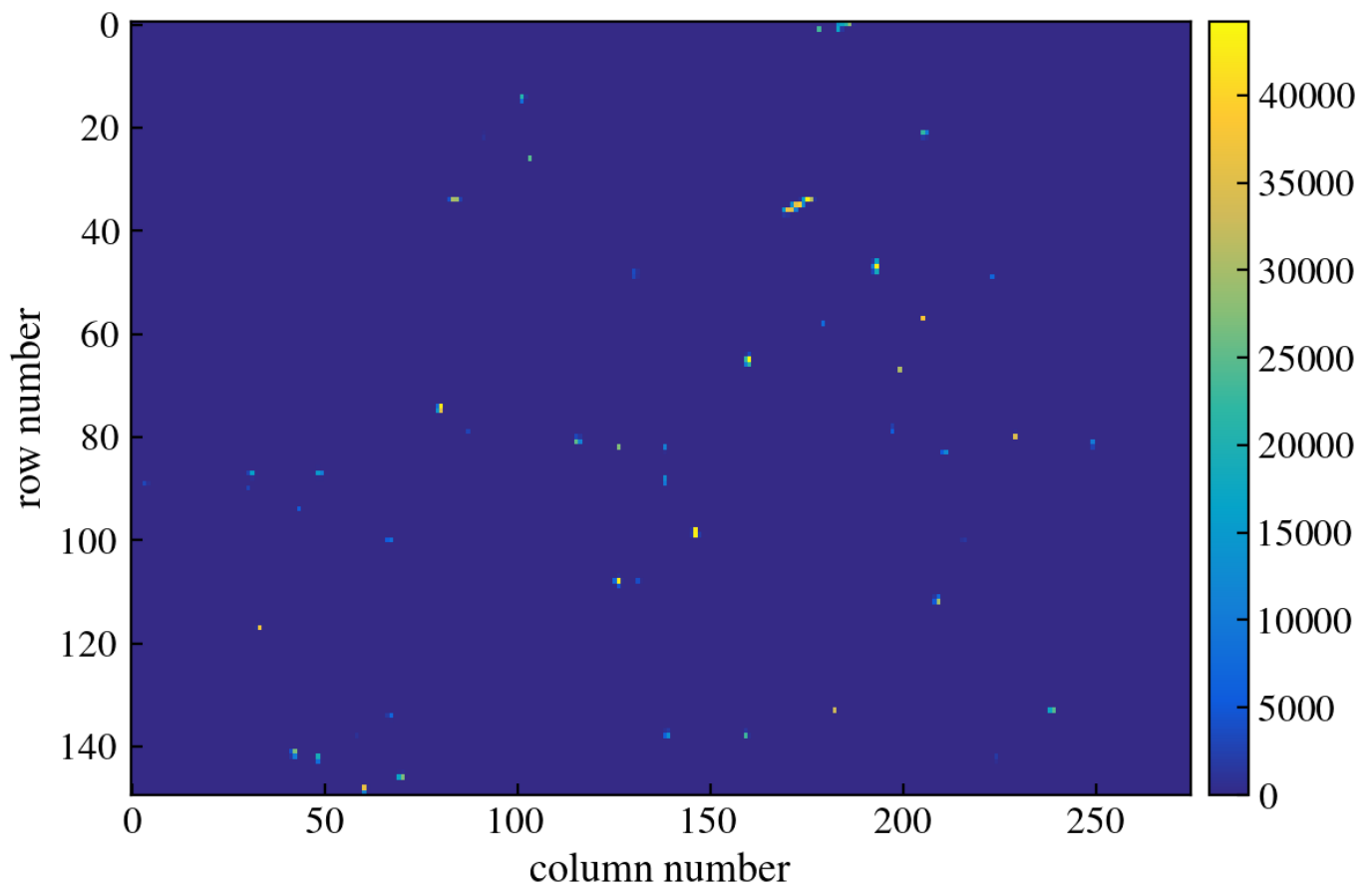


Figure 416: CCD Image

CCD Image: run 454, image 85  
[class MECCDImage]

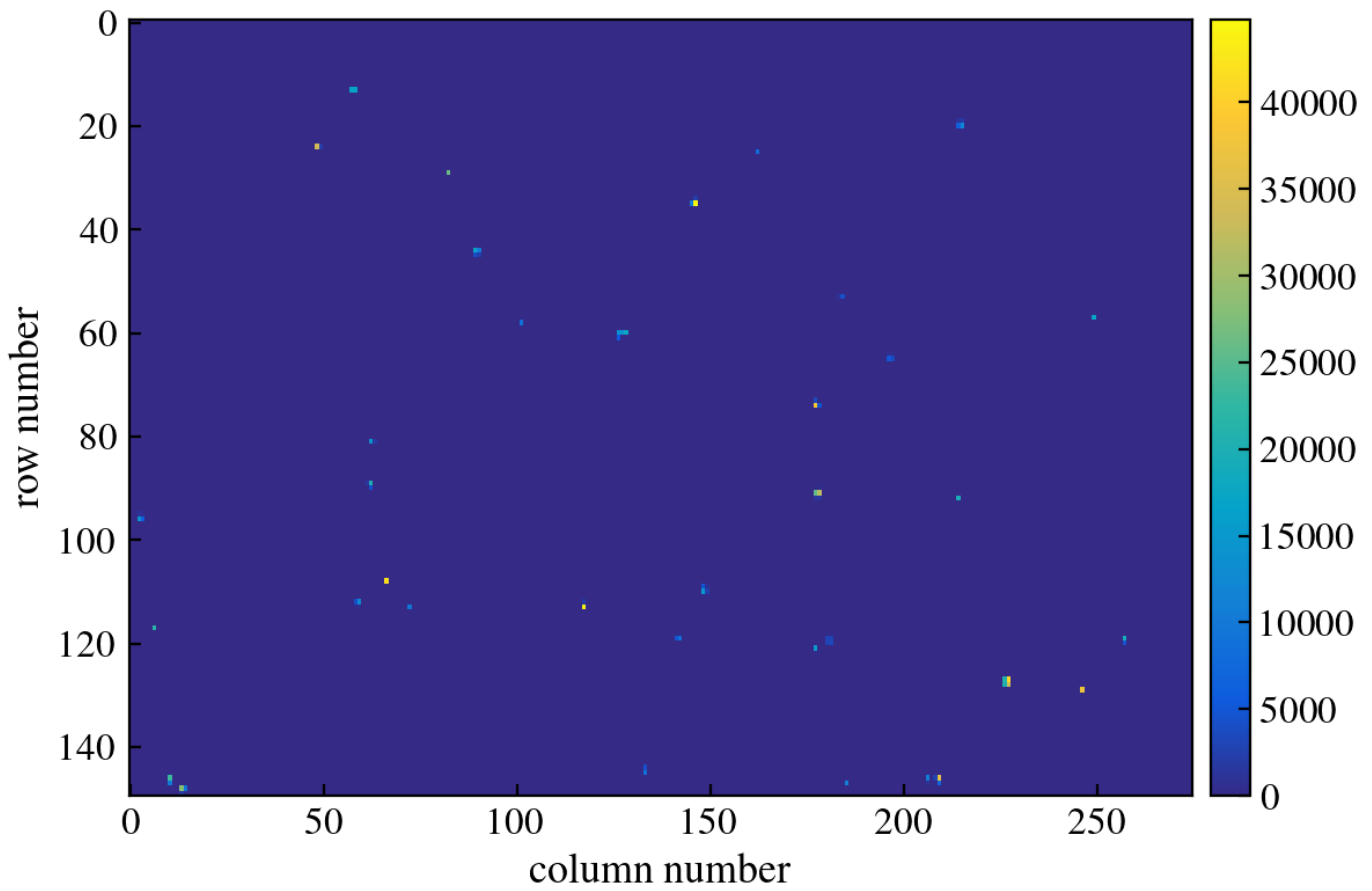


Figure 417: CCD Image

CCD Image: run 454, image 86  
[class MECCDImage]

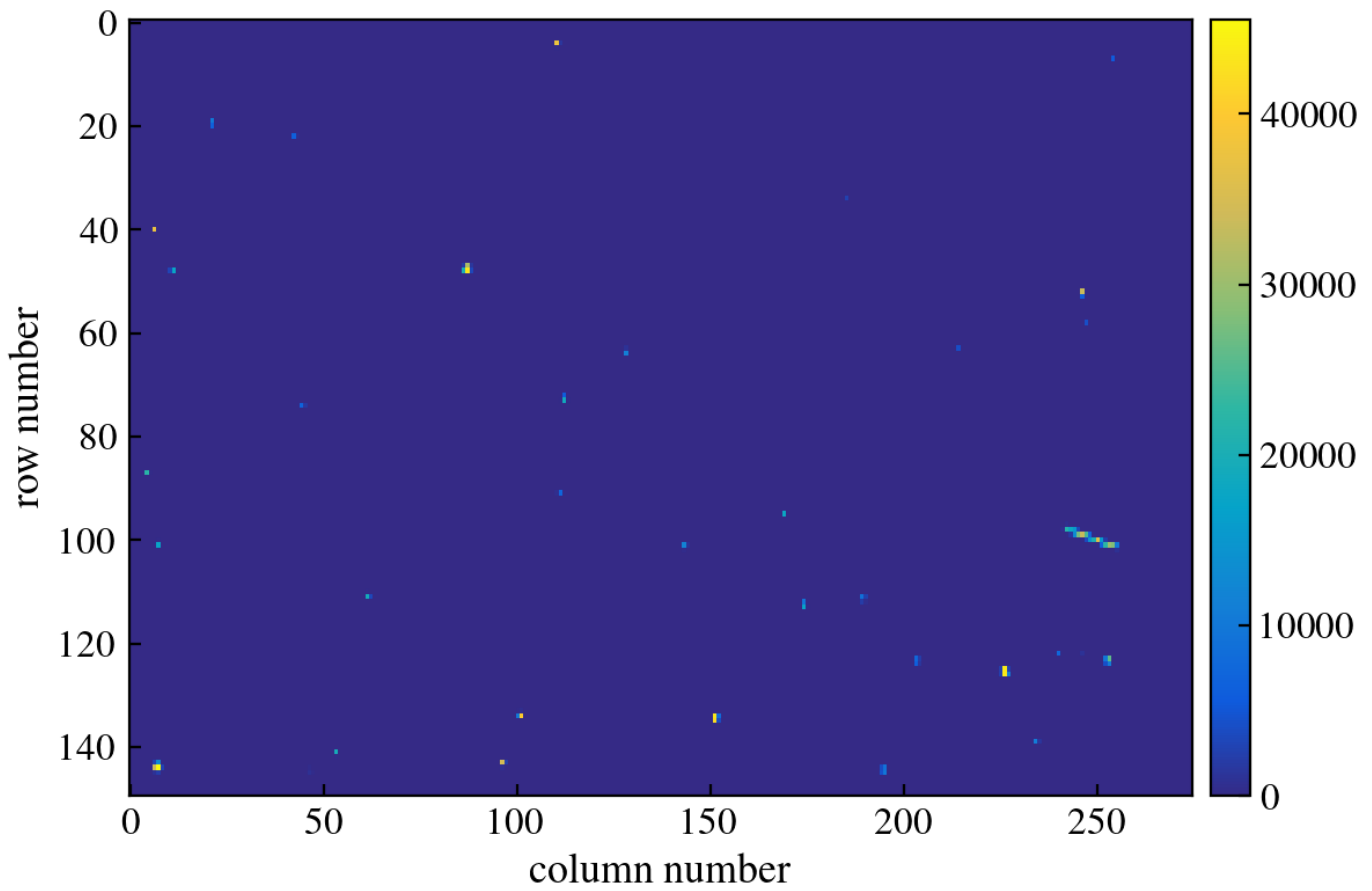


Figure 418: CCD Image

CCD Image: run 454, image 87  
[class MECCDImage]

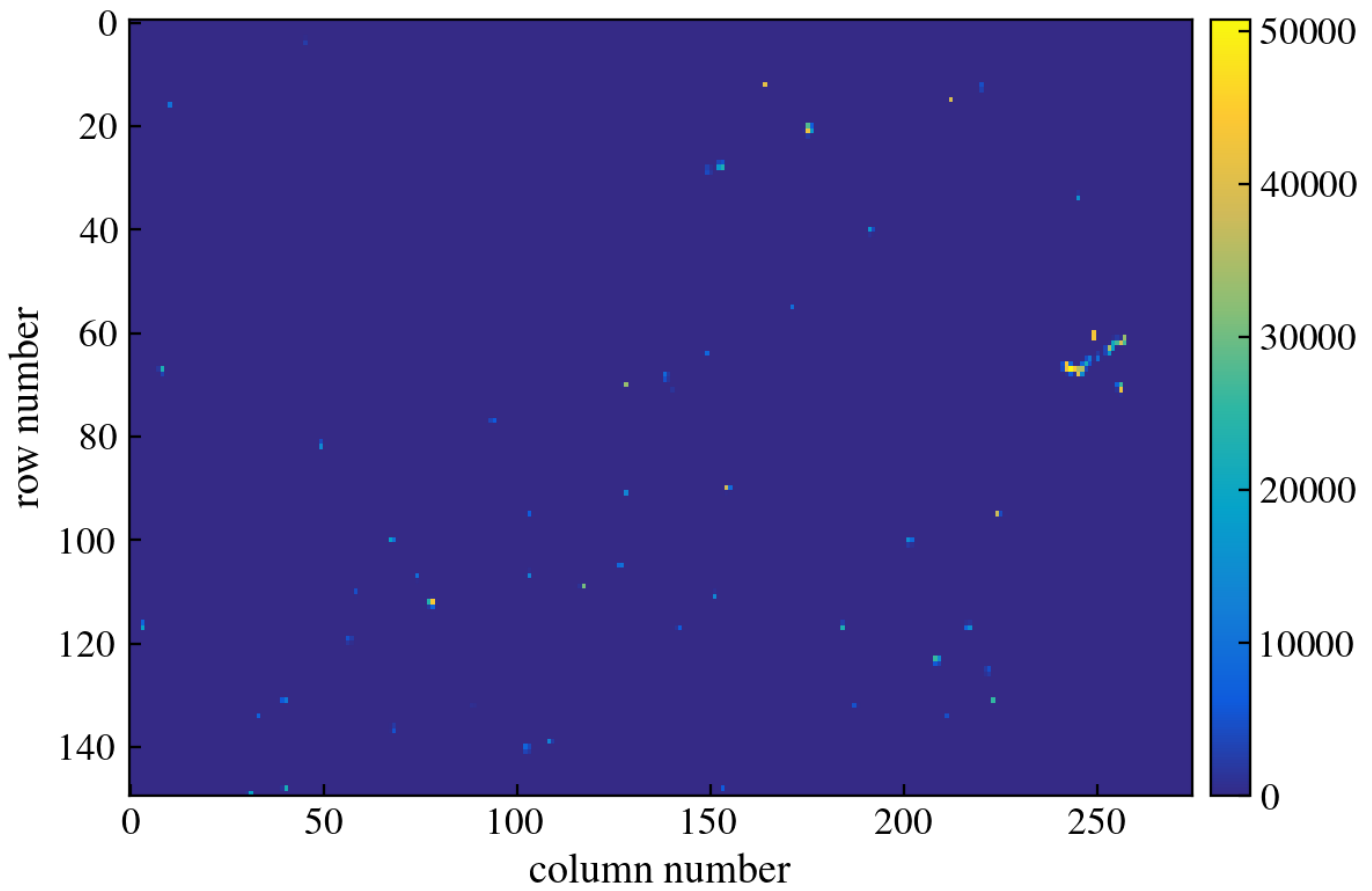


Figure 419: CCD Image

CCD Image: run 454, image 88  
[class MECCDImage]

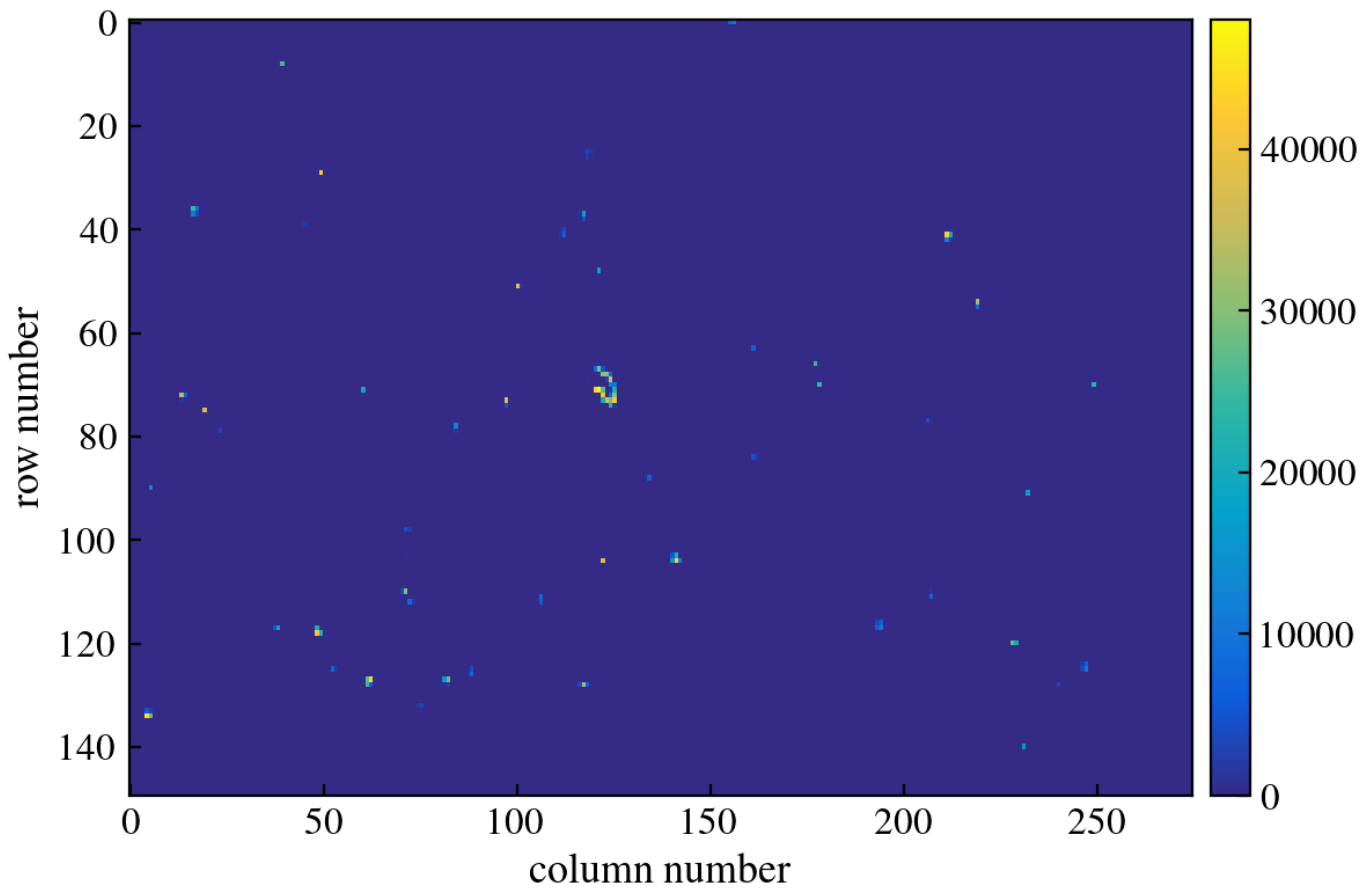


Figure 420: CCD Image

CCD Image: run 454, image 89  
[class MECCDImage]

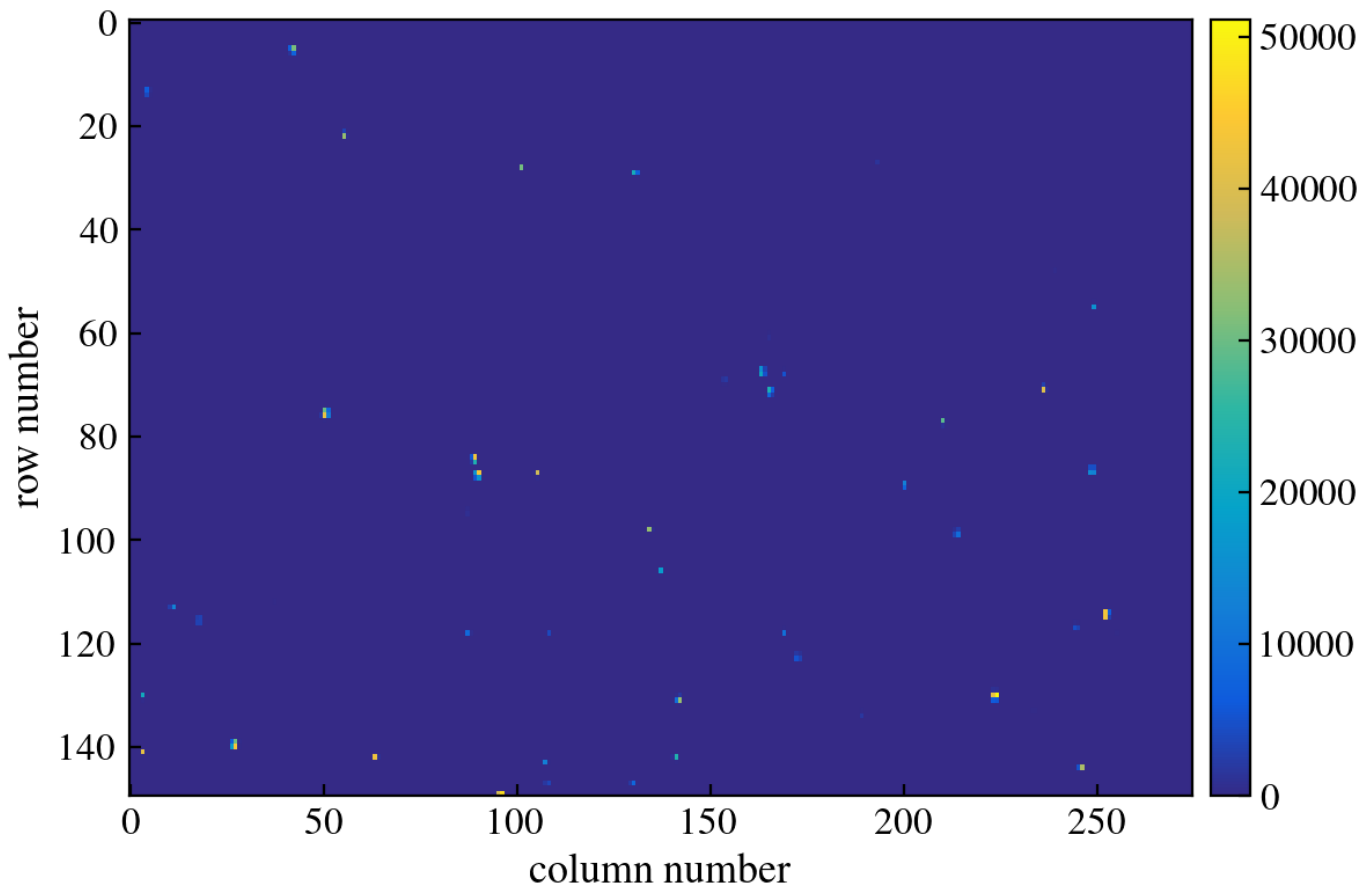


Figure 421: CCD Image

CCD Image: run 454, image 9  
[class MECCDImage]

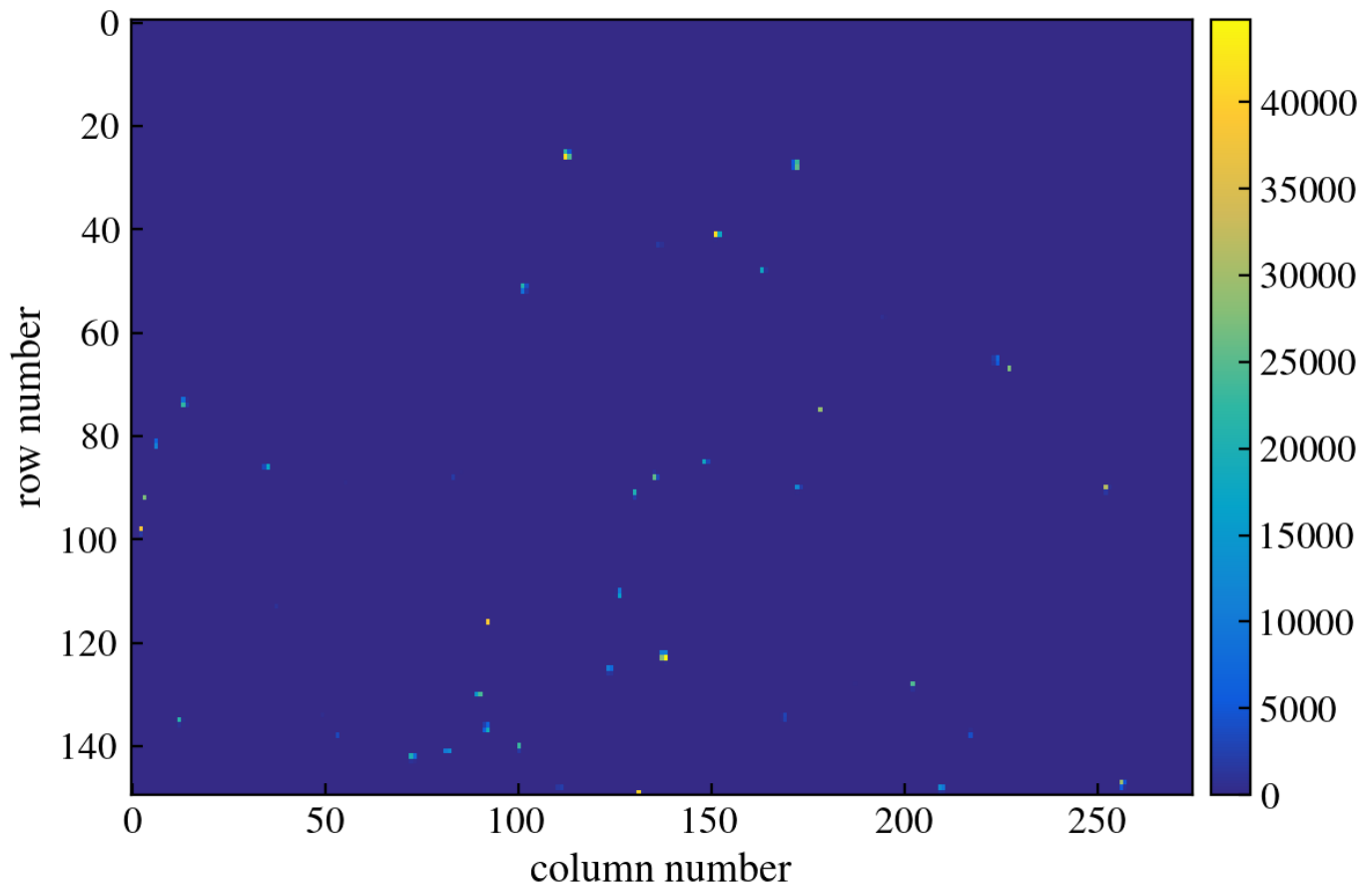


Figure 422: CCD Image

CCD Image: run 454, image 90  
[class MECCDImage]

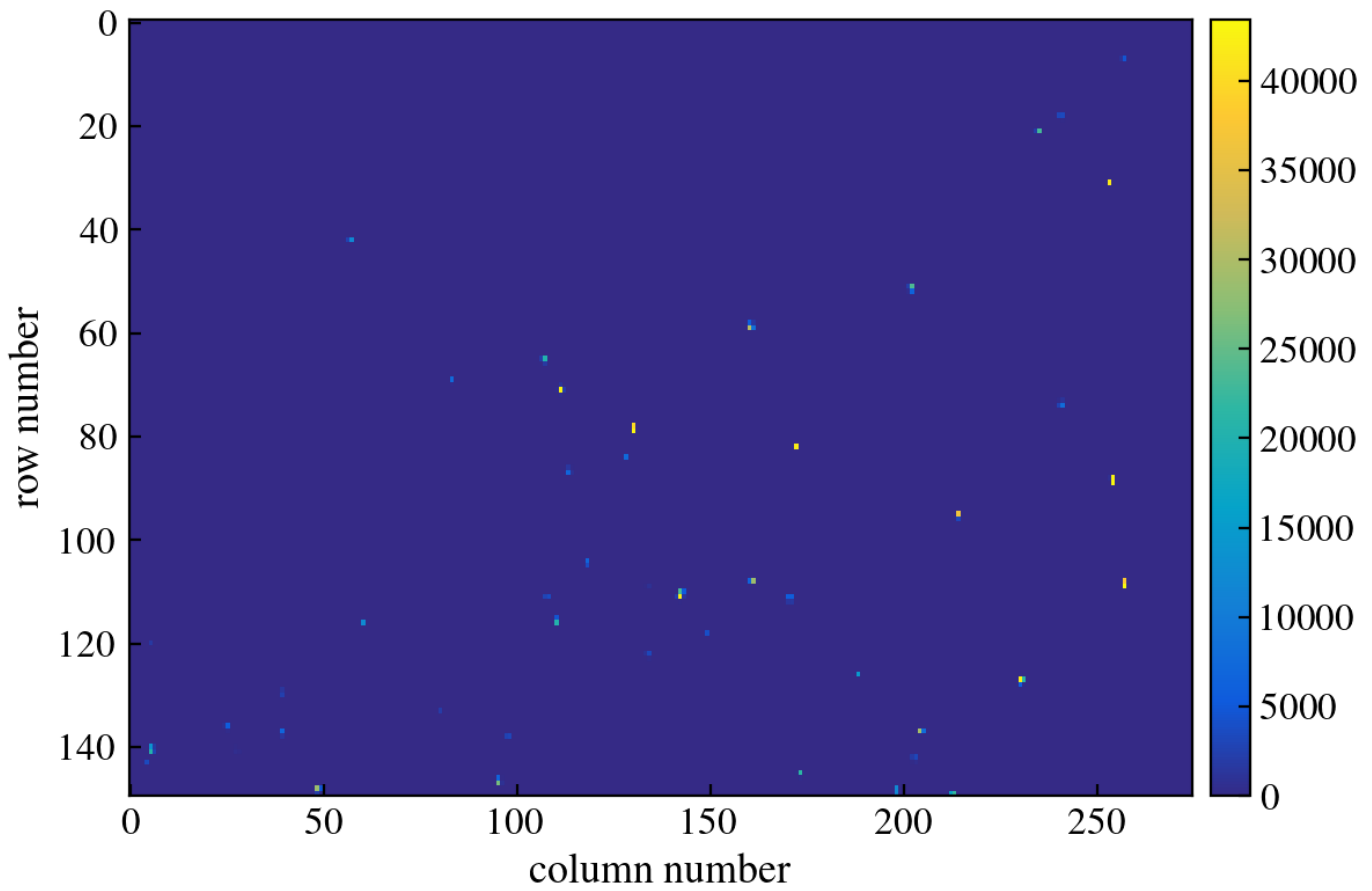


Figure 423: CCD Image



CCD Image: run 454, image 91  
[class MECCDImage]

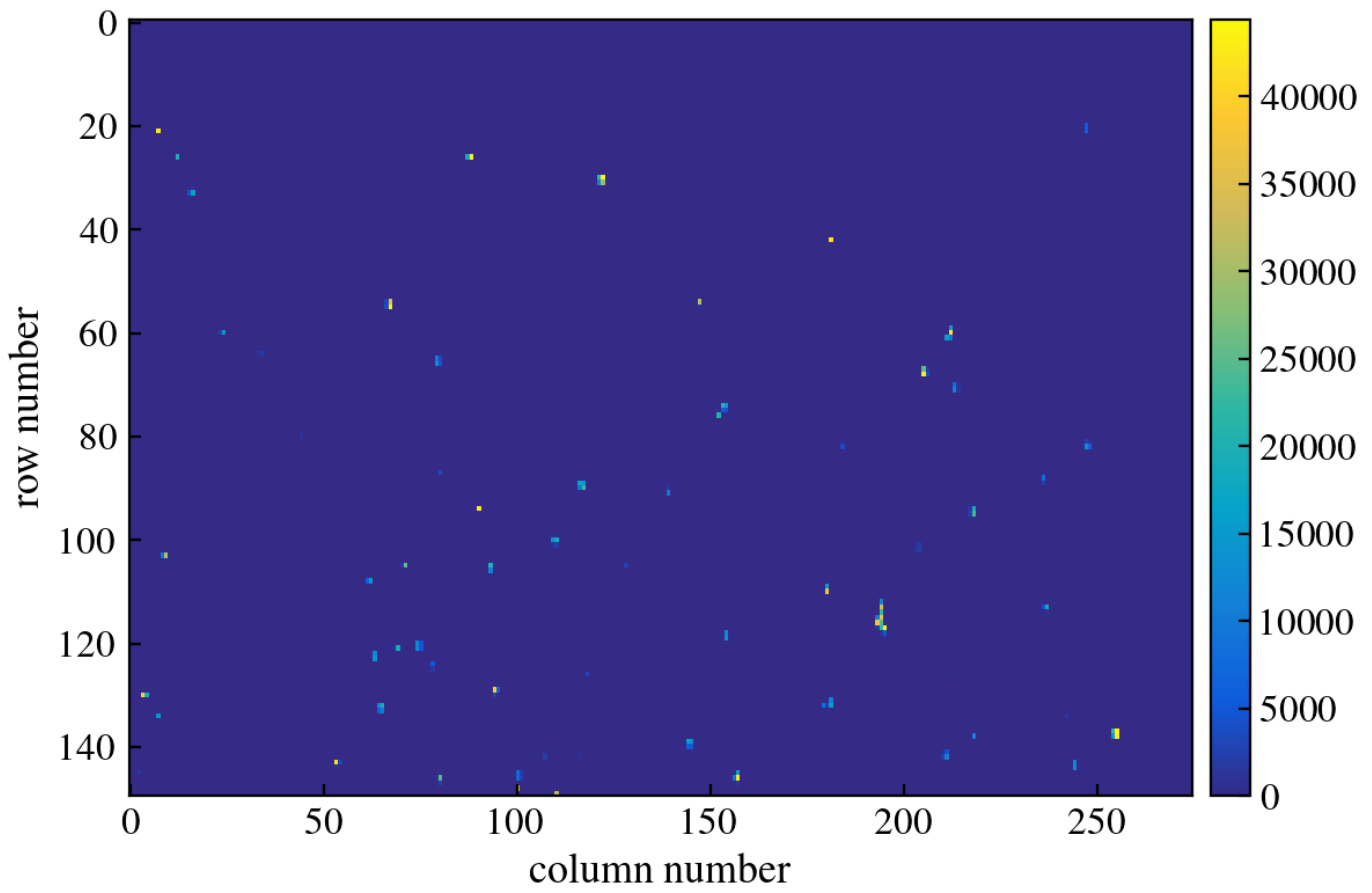


Figure 424: CCD Image

CCD Image: run 454, image 92  
[class MECCDImage]

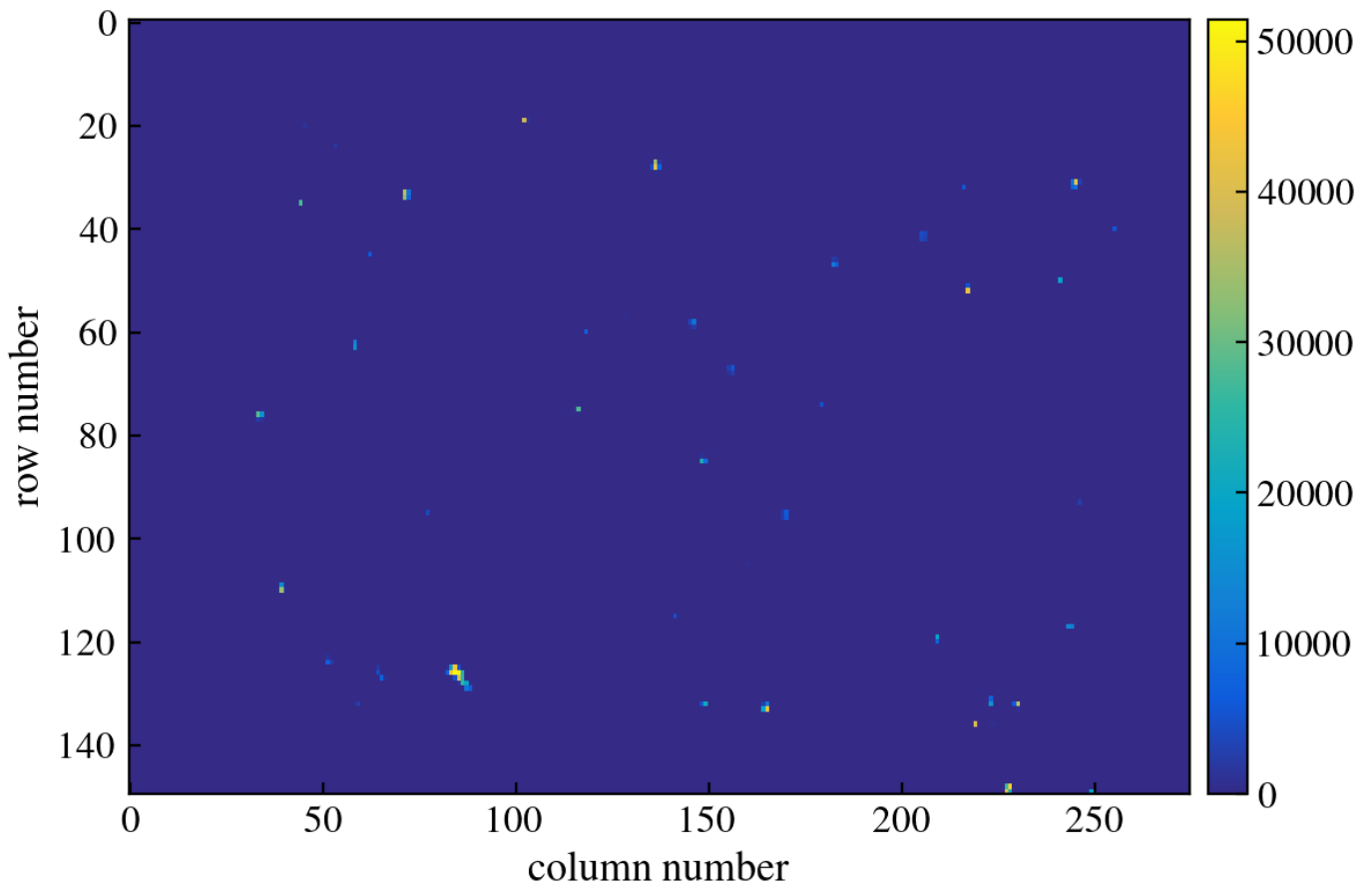


Figure 425: CCD Image

CCD Image: run 454, image 93  
[class MECCDImage]

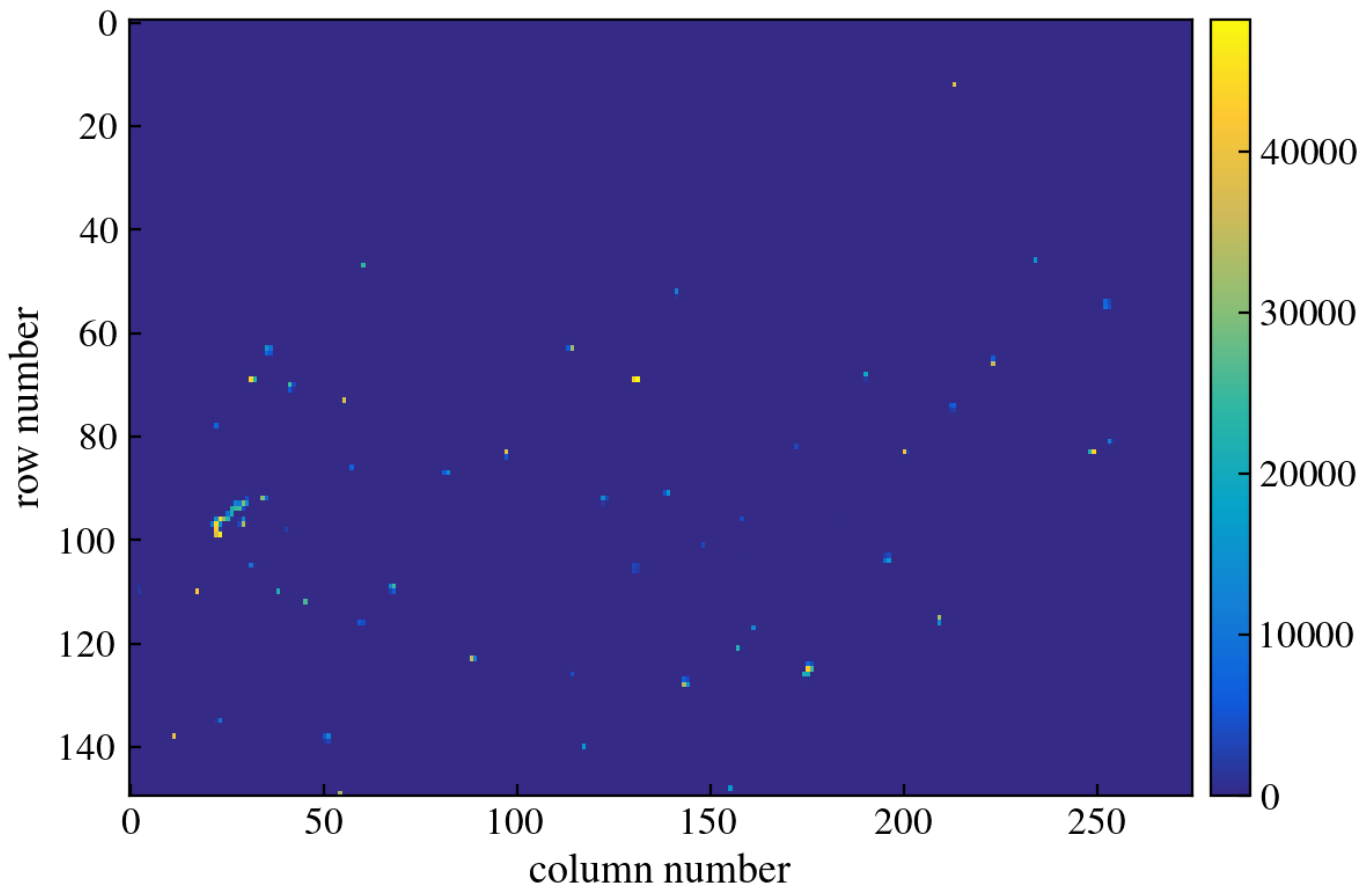


Figure 426: CCD Image

CCD Image: run 454, image 94  
[class MECCDImage]

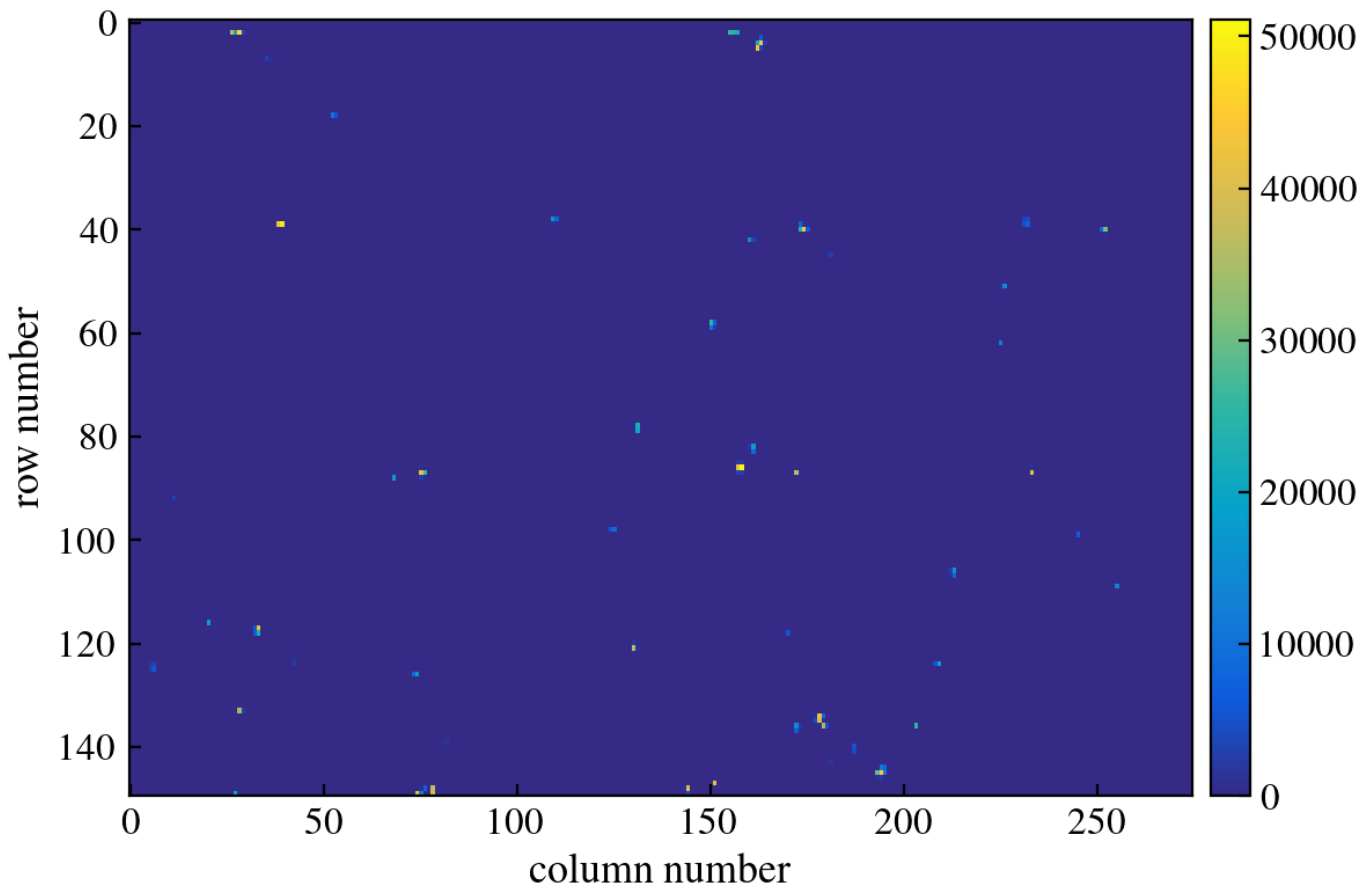


Figure 427: CCD Image

CCD Image: run 454, image 95  
[class MECCDImage]

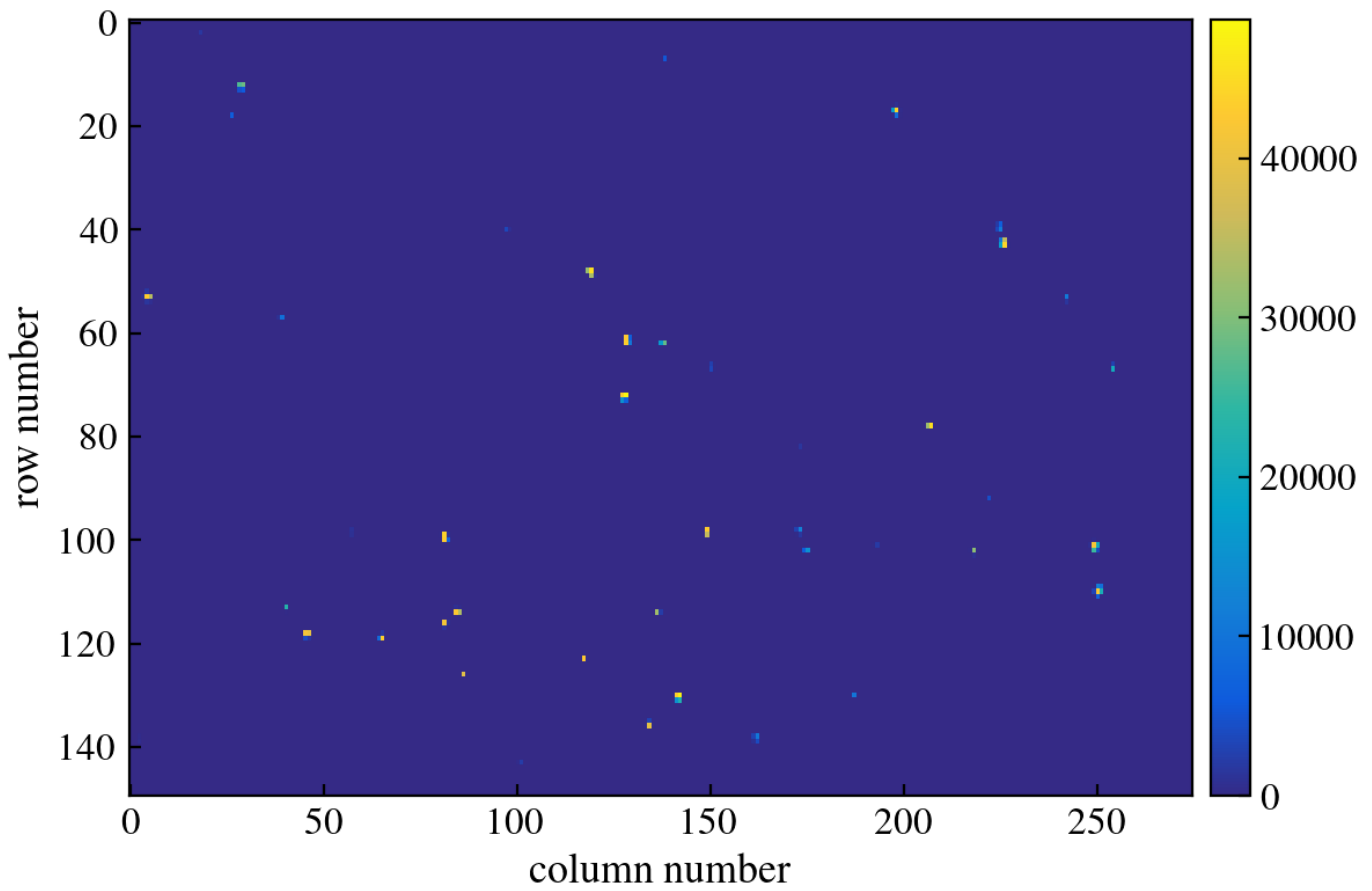


Figure 428: CCD Image

CCD Image: run 454, image 96  
[class MECCDImage]

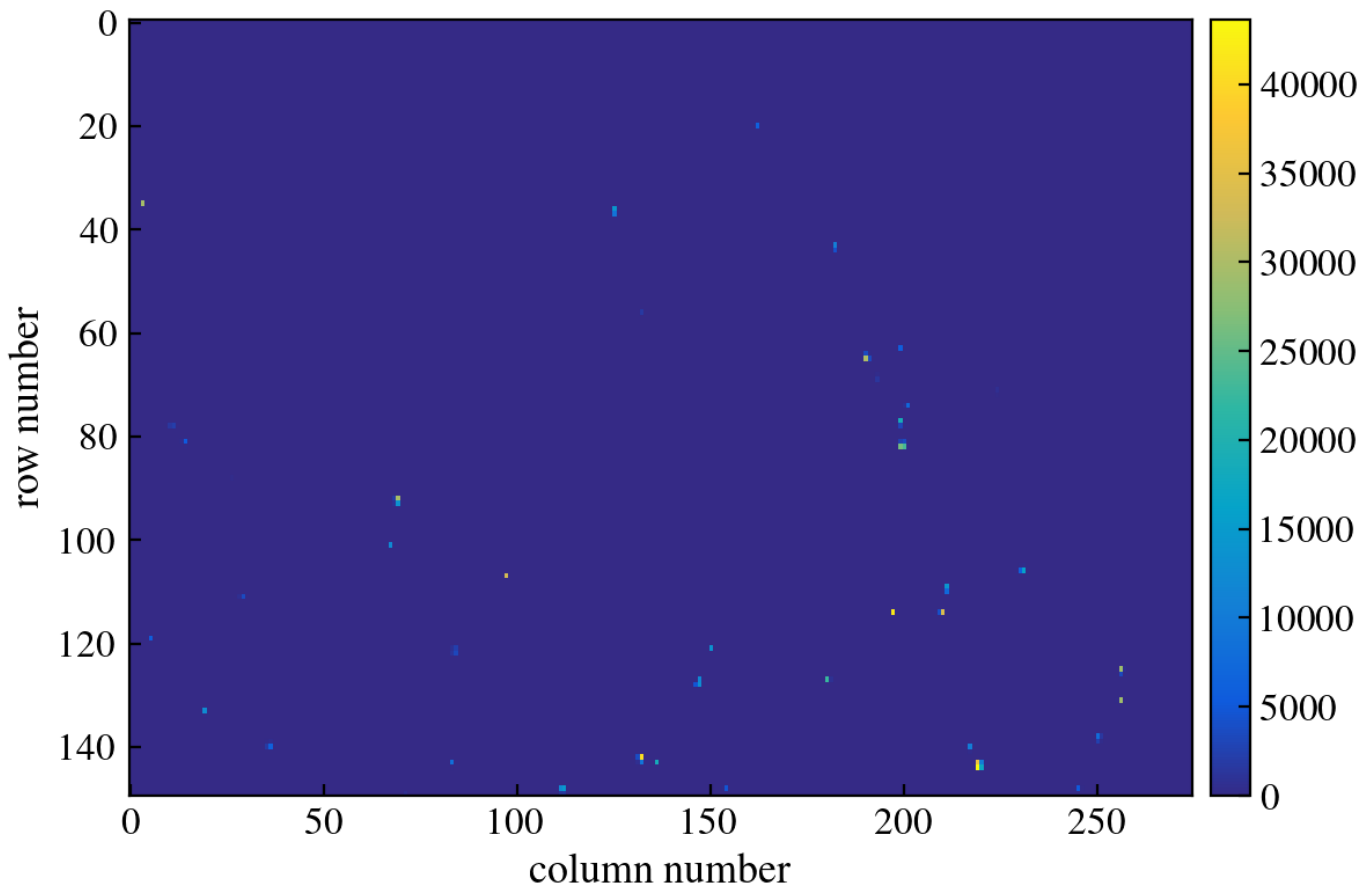


Figure 429: CCD Image

CCD Image: run 454, image 97  
[class MECCDImage]

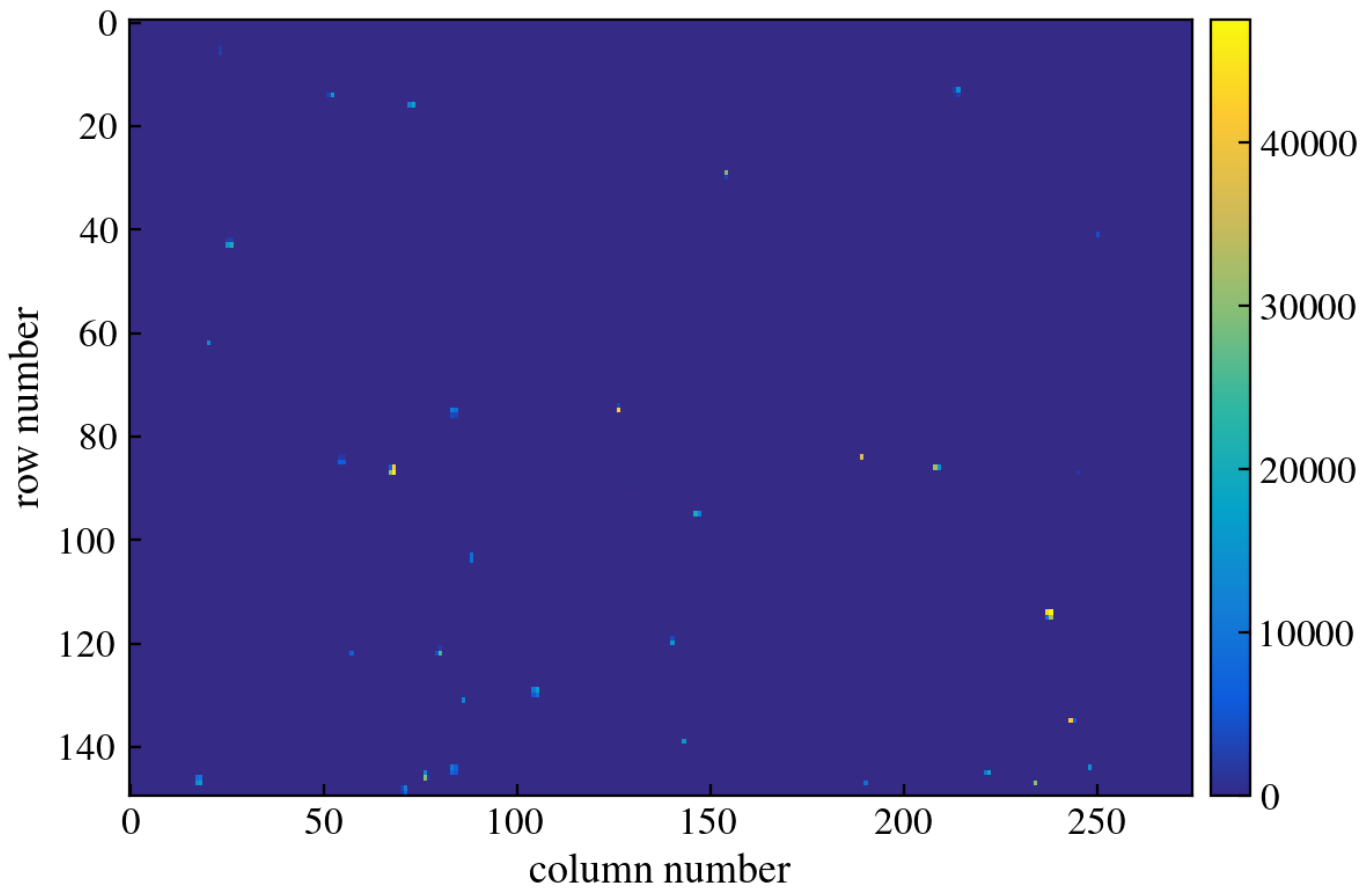


Figure 430: CCD Image

CCD Image: run 454, image 98  
[class MECCDImage]

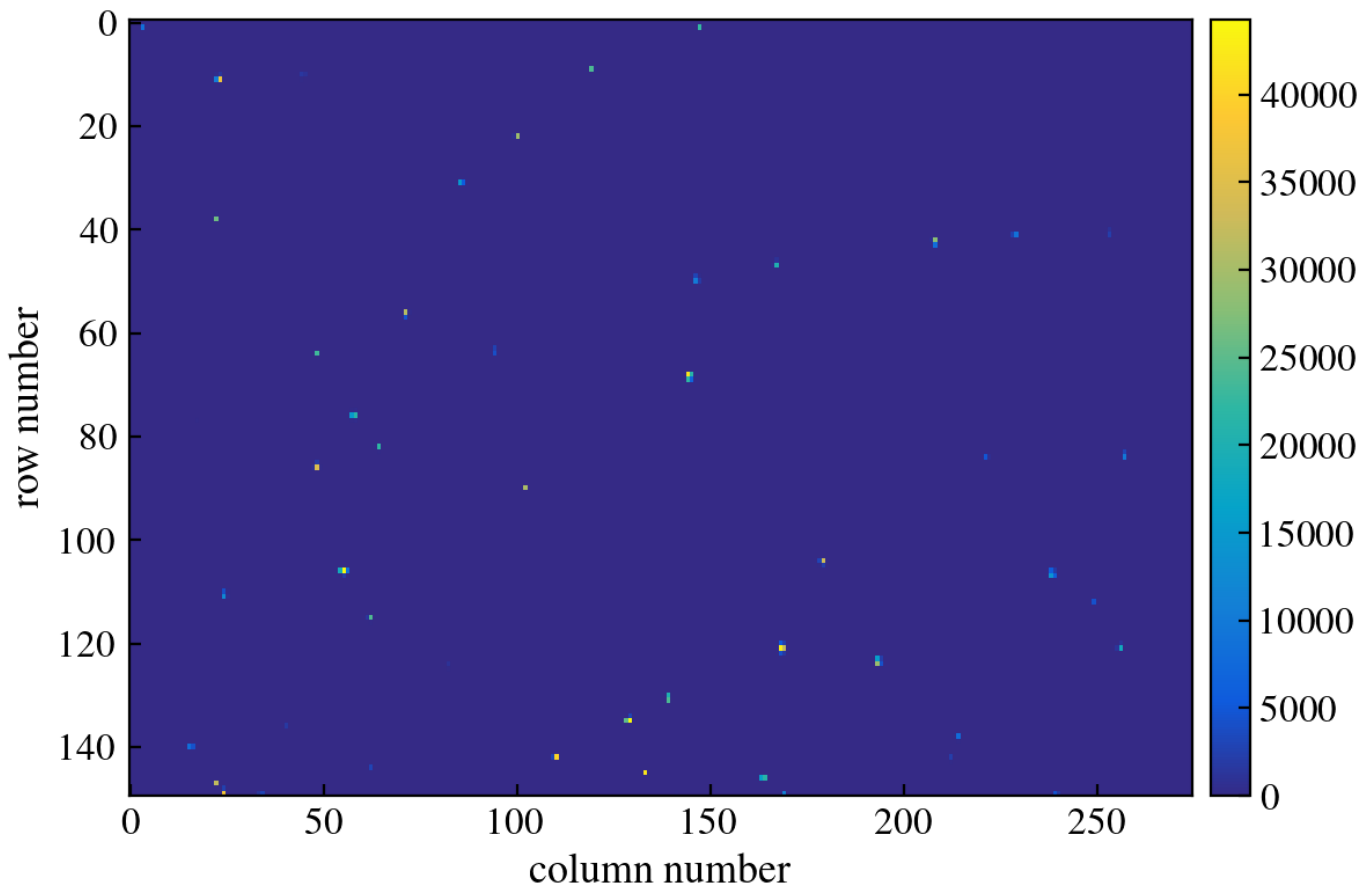


Figure 431: CCD Image



CCD Image: run 454, image 99  
[class MECCDImage]

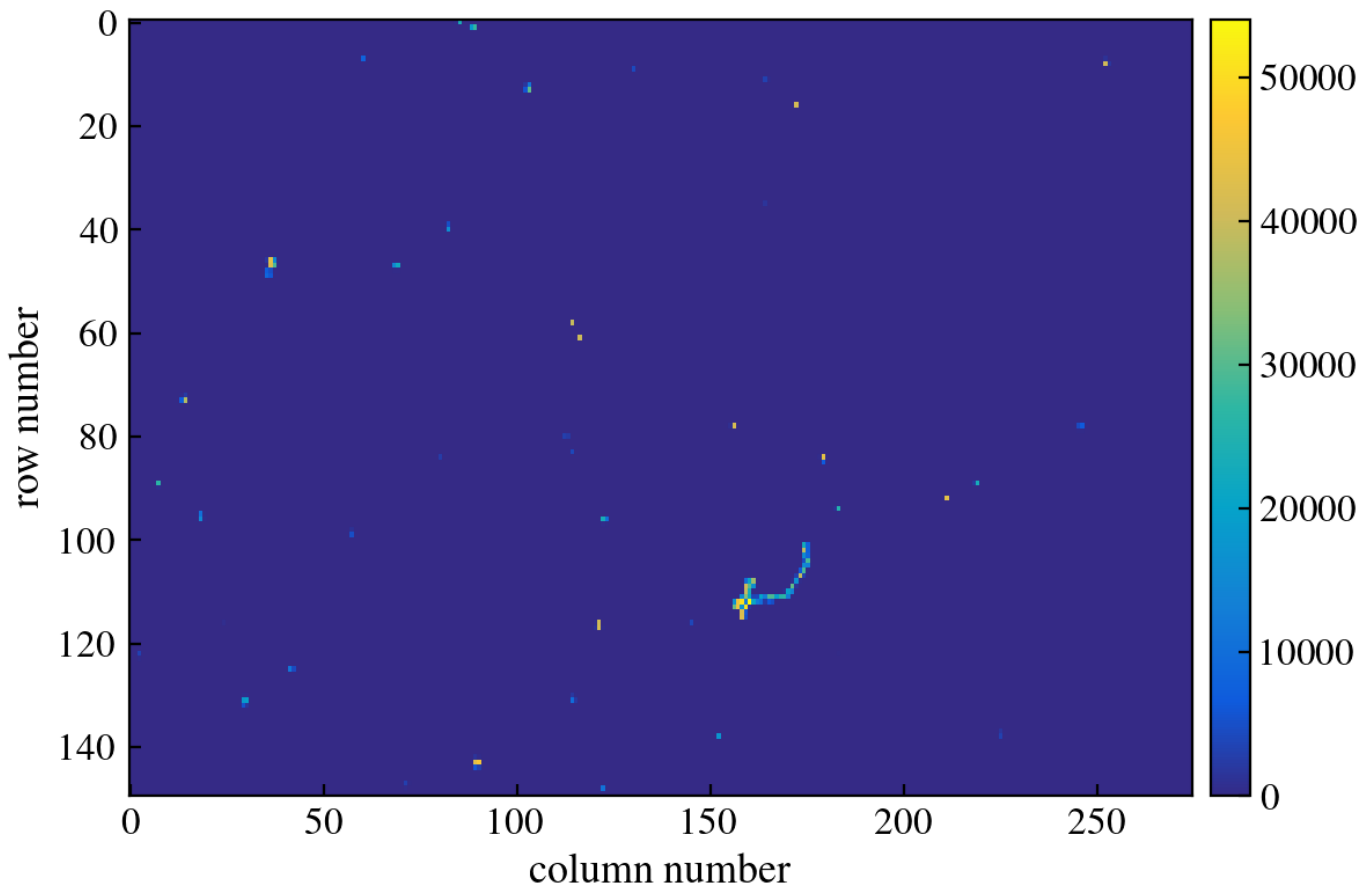


Figure 432: CCD Image

Overscan. Baseline Shift Status vs Image  
[class MEBaselineShift]

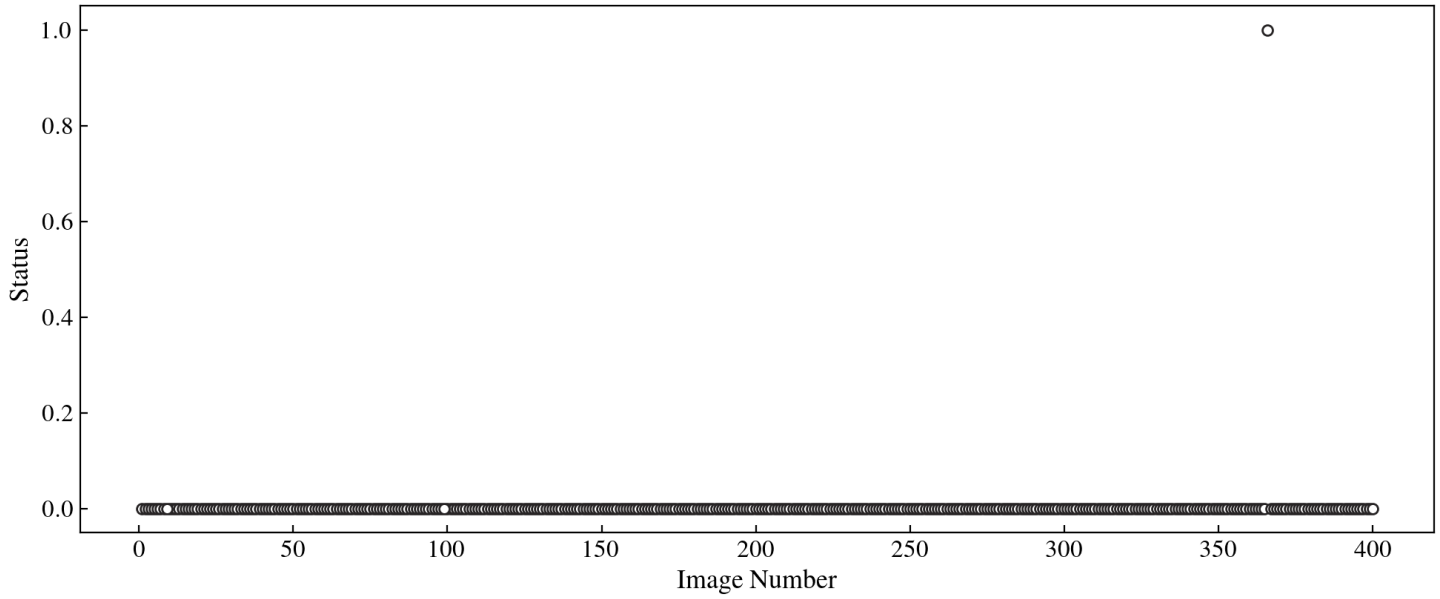


Figure 433: Overscan. Baseline Shift Status vs Image

Overscan. Horizontal Clusters vs Image  
[class MEHorizontalClusters]

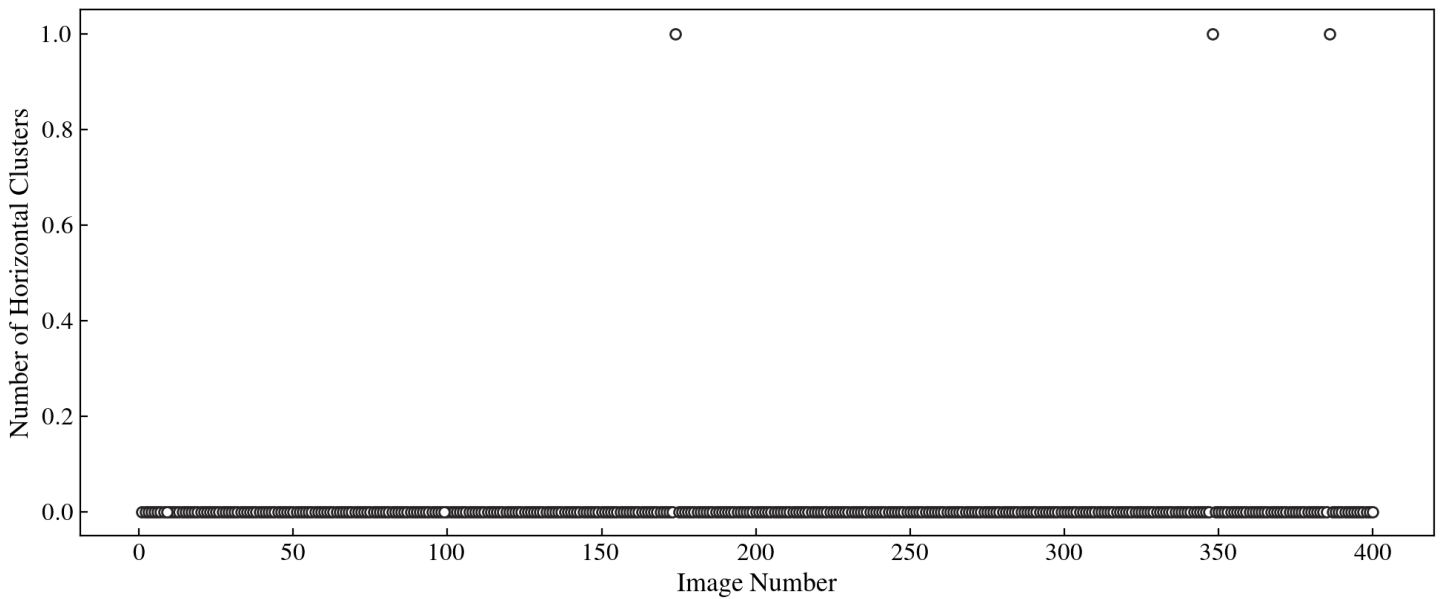


Figure 434: Overscan. Horizontal Clusters vs Image

Overscan. Miscellaneous Noise Found Status  
[class MESigmaCutoffNoise]



Figure 435: Overscan. Miscellaneous Noise Found Status