

# DQM Report for run number 154

pysimdamicm.dqm.dqm\_manager

November 14, 2021

Data directory:

/data/calidaq\_backup/DataTaking/Co57/Run\_154

Output directory:

/data/chicago/ComptonData/WADERS/Co57

Reference used:

None

Total images: 401

## List of Figures

1	Active Area. Median dark current (only $q_{i,j} < q_i^{th}$ ) vs row . . . . .	10
2	Slope DC fit (from MEMeanDCperRow) vs file . . . . .	10
3	Intercept DC fit (from MEMeanDCperRow) vs file . . . . .	11
4	Active area. Baseline vs row . . . . .	11
5	Active area. MAD vs row . . . . .	12
6	Full Image. Baseline vs column . . . . .	12
7	Full Image. MAD vs column . . . . .	13
8	Overscan. Baseline vs row . . . . .	13
9	Overscan. MAD vs row . . . . .	14
10	PedestalSubtractionProcess: mean pedestal vs file (gauss fit) . . . . .	14
11	PedestalSubtractionProcess: mean sigma vs file (gauss fit) . . . . .	15
12	PedestalSubtractionProcess: mean pedestal vs file (gauss fit) . . . . .	15
13	PedestalSubtractionProcess: mean sigma vs file (gauss fit) . . . . .	16
14	Masked pixels . . . . .	17
15	Masked pixels . . . . .	18
16	Number of pixels with $E > 300.0$ eV vs file . . . . .	19
17	Number of pixels with $E > 300.0$ eV vs file . . . . .	19
18	Pixel Charge Distribution . . . . .	20
19	Pixel Charge Distribution . . . . .	21
20	Zero electron peak (from MEFitDC per Row) vs row . . . . .	22
21	Electron Single Resolution (from MEFitDC per Row) vs row . . . . .	23
22	Dark current (from MEFitDC per Row) vs row . . . . .	23
23	Zero electron peak (from MEFitDC) vs Image . . . . .	24
24	Electron Single Resolution (from MEFitDC) vs Image . . . . .	24
25	Dark current (from MEFitDC per Row) vs Image . . . . .	25
26	Calibration constant (from MEFitDC) vs Image . . . . .	25
27	<i>Overscan. PCD Gaussian fit: <math>\mu_0</math></i> . . . . .	26
28	<i>Overscan. PCD Gaussian fit: <math>\sigma_0</math></i> . . . . .	26
29	Electronic column transient showing an exponential behaviour . . . . .	27
30	Column transient decay constant (from MEColTransient) vs Image . . . . .	27
31	Column transient amplitude (from MEColTransient) vs Image . . . . .	28
32	CCD Image . . . . .	29
33	CCD Image . . . . .	30
34	CCD Image . . . . .	31
35	CCD Image . . . . .	32

36	CCD Image . . . . .	33
37	CCD Image . . . . .	34
38	CCD Image . . . . .	35
39	CCD Image . . . . .	36
40	CCD Image . . . . .	37
41	CCD Image . . . . .	38
42	CCD Image . . . . .	39
43	CCD Image . . . . .	40
44	CCD Image . . . . .	41
45	CCD Image . . . . .	42
46	CCD Image . . . . .	43
47	CCD Image . . . . .	44
48	CCD Image . . . . .	45
49	CCD Image . . . . .	46
50	CCD Image . . . . .	47
51	CCD Image . . . . .	48
52	CCD Image . . . . .	49
53	CCD Image . . . . .	50
54	CCD Image . . . . .	51
55	CCD Image . . . . .	52
56	CCD Image . . . . .	53
57	CCD Image . . . . .	54
58	CCD Image . . . . .	55
59	CCD Image . . . . .	56
60	CCD Image . . . . .	57
61	CCD Image . . . . .	58
62	CCD Image . . . . .	59
63	CCD Image . . . . .	60
64	CCD Image . . . . .	61
65	CCD Image . . . . .	62
66	CCD Image . . . . .	63
67	CCD Image . . . . .	64
68	CCD Image . . . . .	65
69	CCD Image . . . . .	66
70	CCD Image . . . . .	67
71	CCD Image . . . . .	68
72	CCD Image . . . . .	69
73	CCD Image . . . . .	70
74	CCD Image . . . . .	71
75	CCD Image . . . . .	72
76	CCD Image . . . . .	73
77	CCD Image . . . . .	74
78	CCD Image . . . . .	75
79	CCD Image . . . . .	76
80	CCD Image . . . . .	77
81	CCD Image . . . . .	78
82	CCD Image . . . . .	79
83	CCD Image . . . . .	80
84	CCD Image . . . . .	81
85	CCD Image . . . . .	82
86	CCD Image . . . . .	83
87	CCD Image . . . . .	84
88	CCD Image . . . . .	85
89	CCD Image . . . . .	86
90	CCD Image . . . . .	87
91	CCD Image . . . . .	88

92	CCD Image	89
93	CCD Image	90
94	CCD Image	91
95	CCD Image	92
96	CCD Image	93
97	CCD Image	94
98	CCD Image	95
99	CCD Image	96
100	CCD Image	97
101	CCD Image	98
102	CCD Image	99
103	CCD Image	100
104	CCD Image	101
105	CCD Image	102
106	CCD Image	103
107	CCD Image	104
108	CCD Image	105
109	CCD Image	106
110	CCD Image	107
111	CCD Image	108
112	CCD Image	109
113	CCD Image	110
114	CCD Image	111
115	CCD Image	112
116	CCD Image	113
117	CCD Image	114
118	CCD Image	115
119	CCD Image	116
120	CCD Image	117
121	CCD Image	118
122	CCD Image	119
123	CCD Image	120
124	CCD Image	121
125	CCD Image	122
126	CCD Image	123
127	CCD Image	124
128	CCD Image	125
129	CCD Image	126
130	CCD Image	127
131	CCD Image	128
132	CCD Image	129
133	CCD Image	130
134	CCD Image	131
135	CCD Image	132
136	CCD Image	133
137	CCD Image	134
138	CCD Image	135
139	CCD Image	136
140	CCD Image	137
141	CCD Image	138
142	CCD Image	139
143	CCD Image	140
144	CCD Image	141
145	CCD Image	142
146	CCD Image	143
147	CCD Image	144

148	CCD Image	145
149	CCD Image	146
150	CCD Image	147
151	CCD Image	148
152	CCD Image	149
153	CCD Image	150
154	CCD Image	151
155	CCD Image	152
156	CCD Image	153
157	CCD Image	154
158	CCD Image	155
159	CCD Image	156
160	CCD Image	157
161	CCD Image	158
162	CCD Image	159
163	CCD Image	160
164	CCD Image	161
165	CCD Image	162
166	CCD Image	163
167	CCD Image	164
168	CCD Image	165
169	CCD Image	166
170	CCD Image	167
171	CCD Image	168
172	CCD Image	169
173	CCD Image	170
174	CCD Image	171
175	CCD Image	172
176	CCD Image	173
177	CCD Image	174
178	CCD Image	175
179	CCD Image	176
180	CCD Image	177
181	CCD Image	178
182	CCD Image	179
183	CCD Image	180
184	CCD Image	181
185	CCD Image	182
186	CCD Image	183
187	CCD Image	184
188	CCD Image	185
189	CCD Image	186
190	CCD Image	187
191	CCD Image	188
192	CCD Image	189
193	CCD Image	190
194	CCD Image	191
195	CCD Image	192
196	CCD Image	193
197	CCD Image	194
198	CCD Image	195
199	CCD Image	196
200	CCD Image	197
201	CCD Image	198
202	CCD Image	199
203	CCD Image	200

204	CCD Image	201
205	CCD Image	202
206	CCD Image	203
207	CCD Image	204
208	CCD Image	205
209	CCD Image	206
210	CCD Image	207
211	CCD Image	208
212	CCD Image	209
213	CCD Image	210
214	CCD Image	211
215	CCD Image	212
216	CCD Image	213
217	CCD Image	214
218	CCD Image	215
219	CCD Image	216
220	CCD Image	217
221	CCD Image	218
222	CCD Image	219
223	CCD Image	220
224	CCD Image	221
225	CCD Image	222
226	CCD Image	223
227	CCD Image	224
228	CCD Image	225
229	CCD Image	226
230	CCD Image	227
231	CCD Image	228
232	CCD Image	229
233	CCD Image	230
234	CCD Image	231
235	CCD Image	232
236	CCD Image	233
237	CCD Image	234
238	CCD Image	235
239	CCD Image	236
240	CCD Image	237
241	CCD Image	238
242	CCD Image	239
243	CCD Image	240
244	CCD Image	241
245	CCD Image	242
246	CCD Image	243
247	CCD Image	244
248	CCD Image	245
249	CCD Image	246
250	CCD Image	247
251	CCD Image	248
252	CCD Image	249
253	CCD Image	250
254	CCD Image	251
255	CCD Image	252
256	CCD Image	253
257	CCD Image	254
258	CCD Image	255
259	CCD Image	256

260	CCD Image	257
261	CCD Image	258
262	CCD Image	259
263	CCD Image	260
264	CCD Image	261
265	CCD Image	262
266	CCD Image	263
267	CCD Image	264
268	CCD Image	265
269	CCD Image	266
270	CCD Image	267
271	CCD Image	268
272	CCD Image	269
273	CCD Image	270
274	CCD Image	271
275	CCD Image	272
276	CCD Image	273
277	CCD Image	274
278	CCD Image	275
279	CCD Image	276
280	CCD Image	277
281	CCD Image	278
282	CCD Image	279
283	CCD Image	280
284	CCD Image	281
285	CCD Image	282
286	CCD Image	283
287	CCD Image	284
288	CCD Image	285
289	CCD Image	286
290	CCD Image	287
291	CCD Image	288
292	CCD Image	289
293	CCD Image	290
294	CCD Image	291
295	CCD Image	292
296	CCD Image	293
297	CCD Image	294
298	CCD Image	295
299	CCD Image	296
300	CCD Image	297
301	CCD Image	298
302	CCD Image	299
303	CCD Image	300
304	CCD Image	301
305	CCD Image	302
306	CCD Image	303
307	CCD Image	304
308	CCD Image	305
309	CCD Image	306
310	CCD Image	307
311	CCD Image	308
312	CCD Image	309
313	CCD Image	310
314	CCD Image	311
315	CCD Image	312

316	CCD Image	313
317	CCD Image	314
318	CCD Image	315
319	CCD Image	316
320	CCD Image	317
321	CCD Image	318
322	CCD Image	319
323	CCD Image	320
324	CCD Image	321
325	CCD Image	322
326	CCD Image	323
327	CCD Image	324
328	CCD Image	325
329	CCD Image	326
330	CCD Image	327
331	CCD Image	328
332	CCD Image	329
333	CCD Image	330
334	CCD Image	331
335	CCD Image	332
336	CCD Image	333
337	CCD Image	334
338	CCD Image	335
339	CCD Image	336
340	CCD Image	337
341	CCD Image	338
342	CCD Image	339
343	CCD Image	340
344	CCD Image	341
345	CCD Image	342
346	CCD Image	343
347	CCD Image	344
348	CCD Image	345
349	CCD Image	346
350	CCD Image	347
351	CCD Image	348
352	CCD Image	349
353	CCD Image	350
354	CCD Image	351
355	CCD Image	352
356	CCD Image	353
357	CCD Image	354
358	CCD Image	355
359	CCD Image	356
360	CCD Image	357
361	CCD Image	358
362	CCD Image	359
363	CCD Image	360
364	CCD Image	361
365	CCD Image	362
366	CCD Image	363
367	CCD Image	364
368	CCD Image	365
369	CCD Image	366
370	CCD Image	367
371	CCD Image	368

372	CCD Image	369
373	CCD Image	370
374	CCD Image	371
375	CCD Image	372
376	CCD Image	373
377	CCD Image	374
378	CCD Image	375
379	CCD Image	376
380	CCD Image	377
381	CCD Image	378
382	CCD Image	379
383	CCD Image	380
384	CCD Image	381
385	CCD Image	382
386	CCD Image	383
387	CCD Image	384
388	CCD Image	385
389	CCD Image	386
390	CCD Image	387
391	CCD Image	388
392	CCD Image	389
393	CCD Image	390
394	CCD Image	391
395	CCD Image	392
396	CCD Image	393
397	CCD Image	394
398	CCD Image	395
399	CCD Image	396
400	CCD Image	397
401	CCD Image	398
402	CCD Image	399
403	CCD Image	400
404	CCD Image	401
405	CCD Image	402
406	CCD Image	403
407	CCD Image	404
408	CCD Image	405
409	CCD Image	406
410	CCD Image	407
411	CCD Image	408
412	CCD Image	409
413	CCD Image	410
414	CCD Image	411
415	CCD Image	412
416	CCD Image	413
417	CCD Image	414
418	CCD Image	415
419	CCD Image	416
420	CCD Image	417
421	CCD Image	418
422	CCD Image	419
423	CCD Image	420
424	CCD Image	421
425	CCD Image	422
426	CCD Image	423
427	CCD Image	424



428	CCD Image . . . . .	425
429	CCD Image . . . . .	426
430	CCD Image . . . . .	427
431	CCD Image . . . . .	428
432	CCD Image . . . . .	429
433	Overscan. Baseline Shift Status vs Image . . . . .	430
434	Overscan. Horizontal Clusters vs Image . . . . .	430
435	Overscan. Miscellaneous Noise Found Status . . . . .	431

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

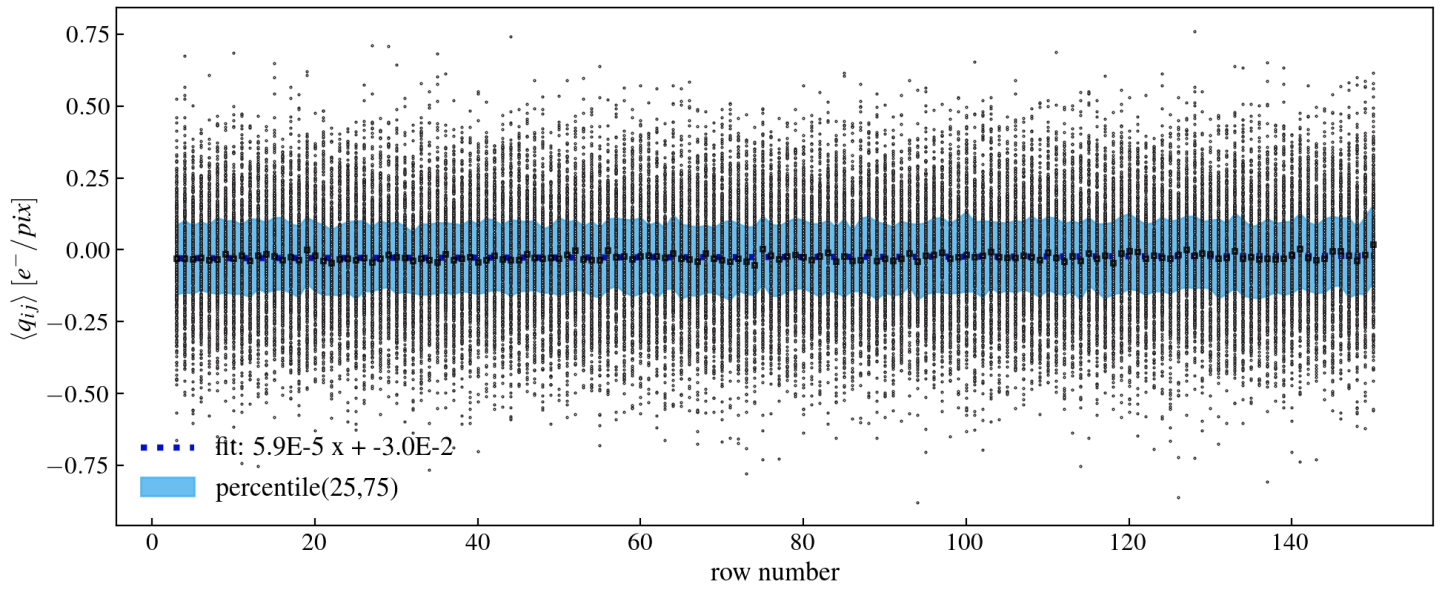


Figure 1: Active Area. Median dark current (only  $q_{i,j} < q_i^{th}$ ) vs row

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

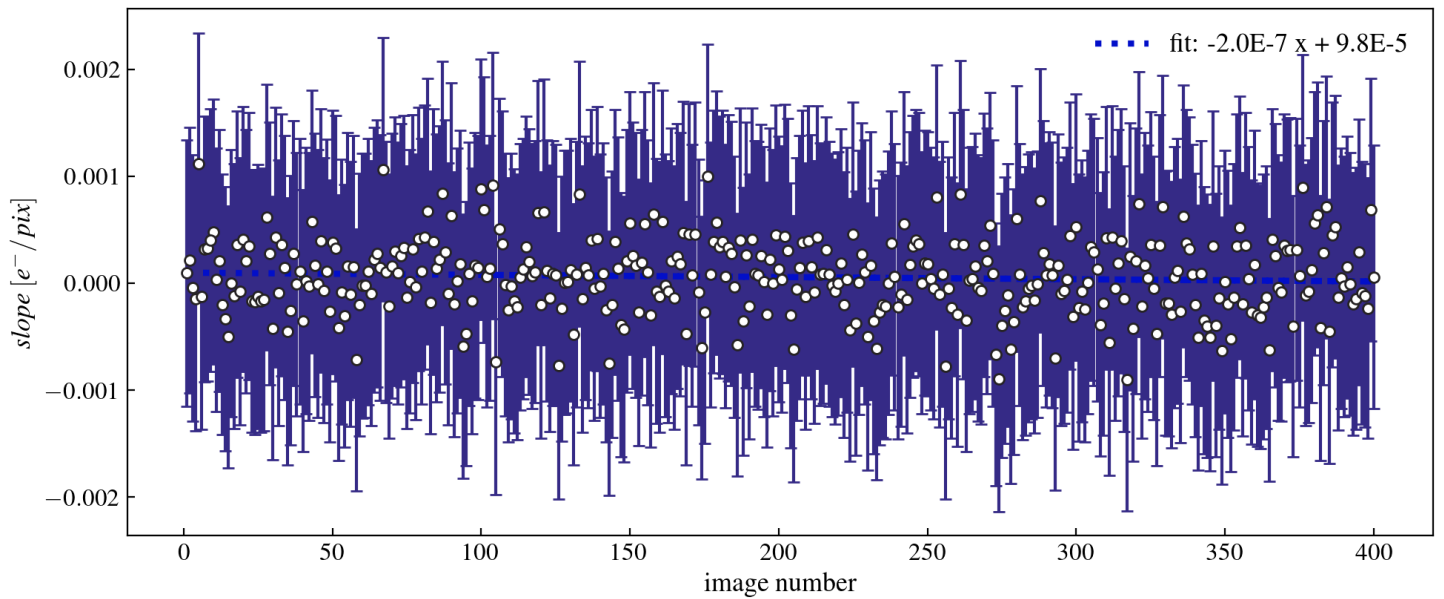


Figure 2: Slope DC fit (from MEMeanDCperRow) vs file

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

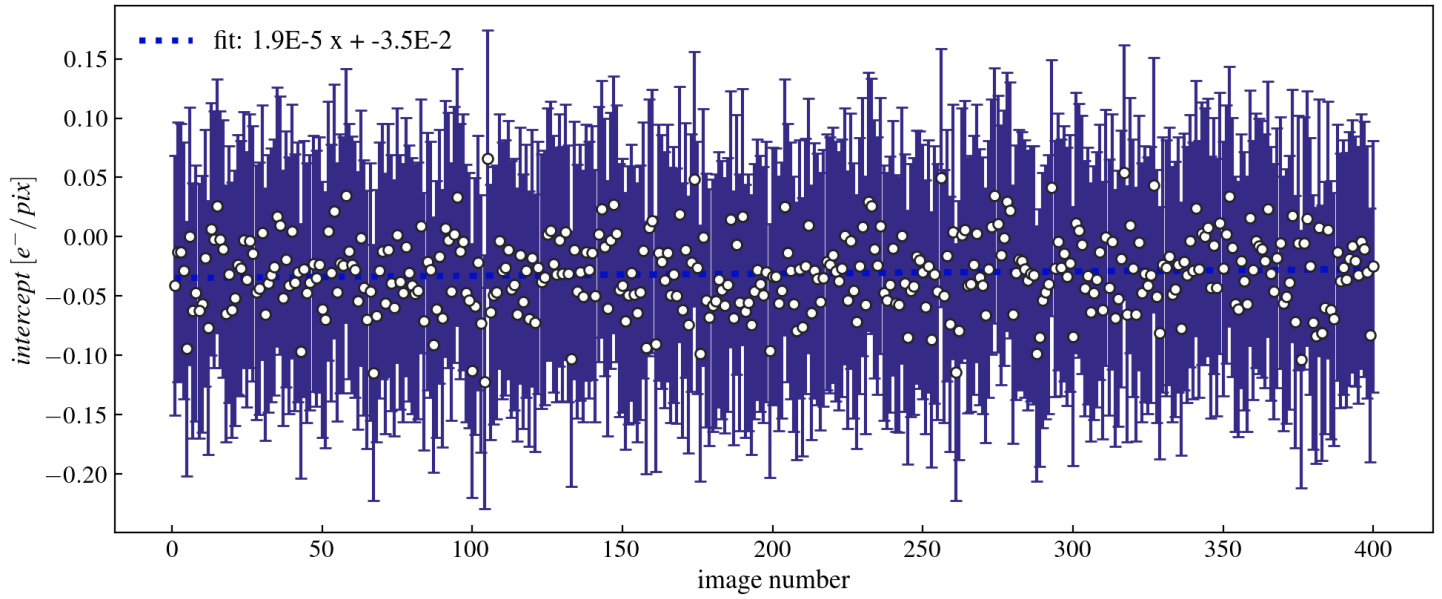


Figure 3: Intercept DC fit (from MEMeanDCperRow) vs file

Active area. Baseline vs row  
[class MESensorMedianperRow]

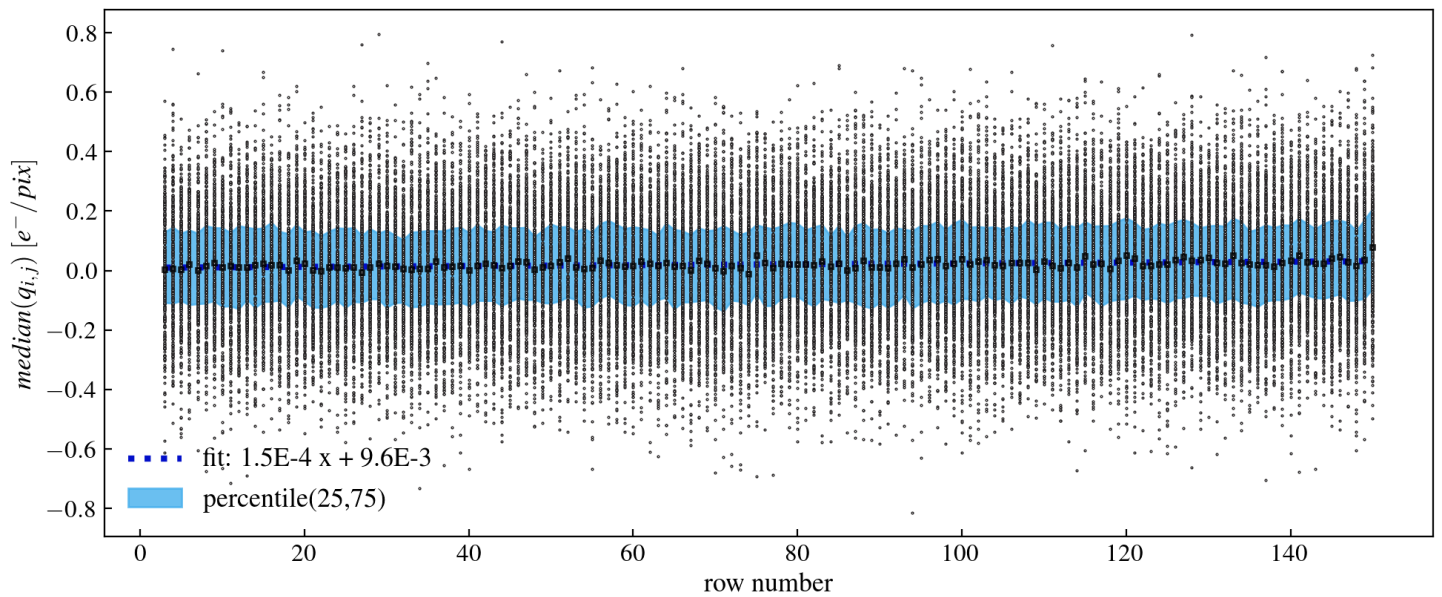


Figure 4: Active area. Baseline vs row

Active area. MAD vs row  
[class MESensorMADperRow]

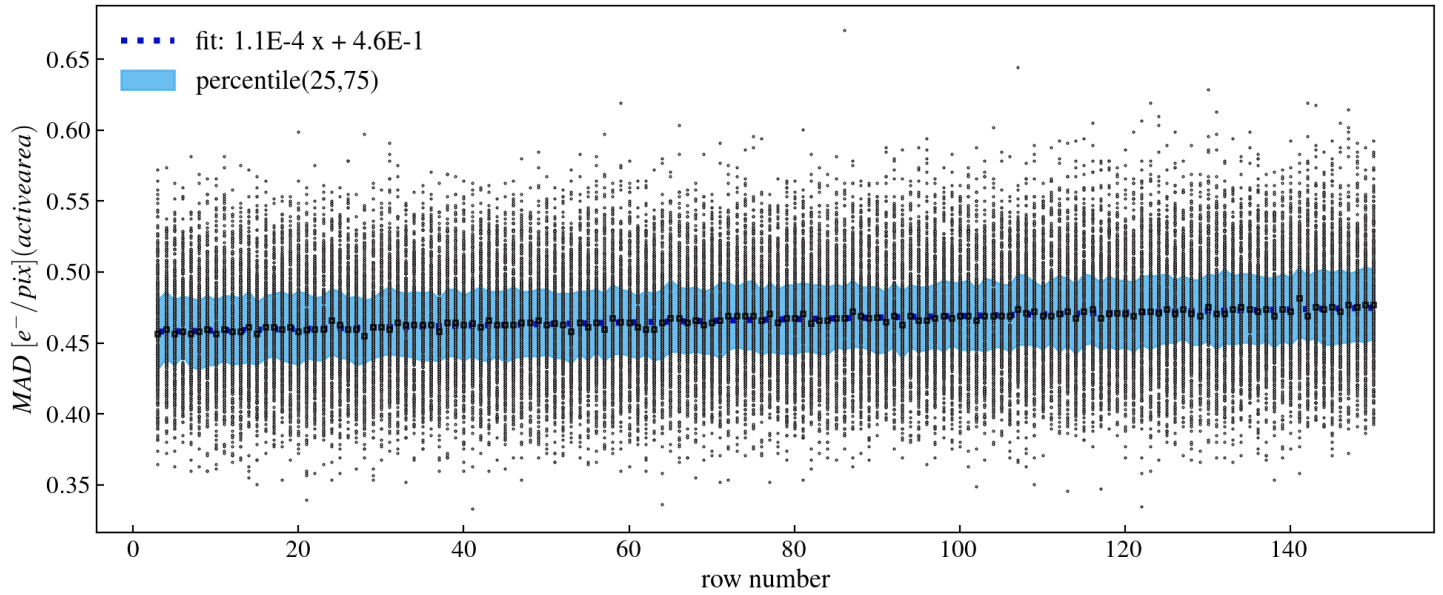


Figure 5: Active area. MAD vs row

Full Image. Baseline vs column  
[class MEImageMedianperCol]

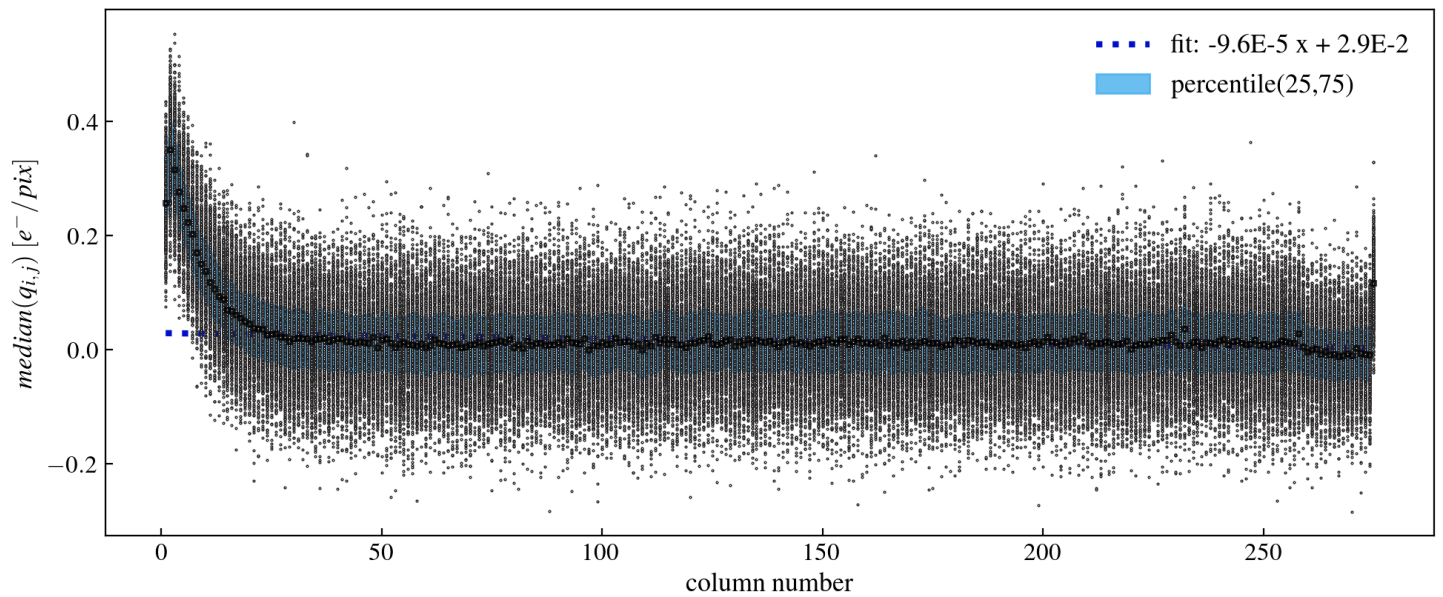


Figure 6: Full Image. Baseline vs column

Full Image. MAD vs column  
[class MEImageMADperCol]

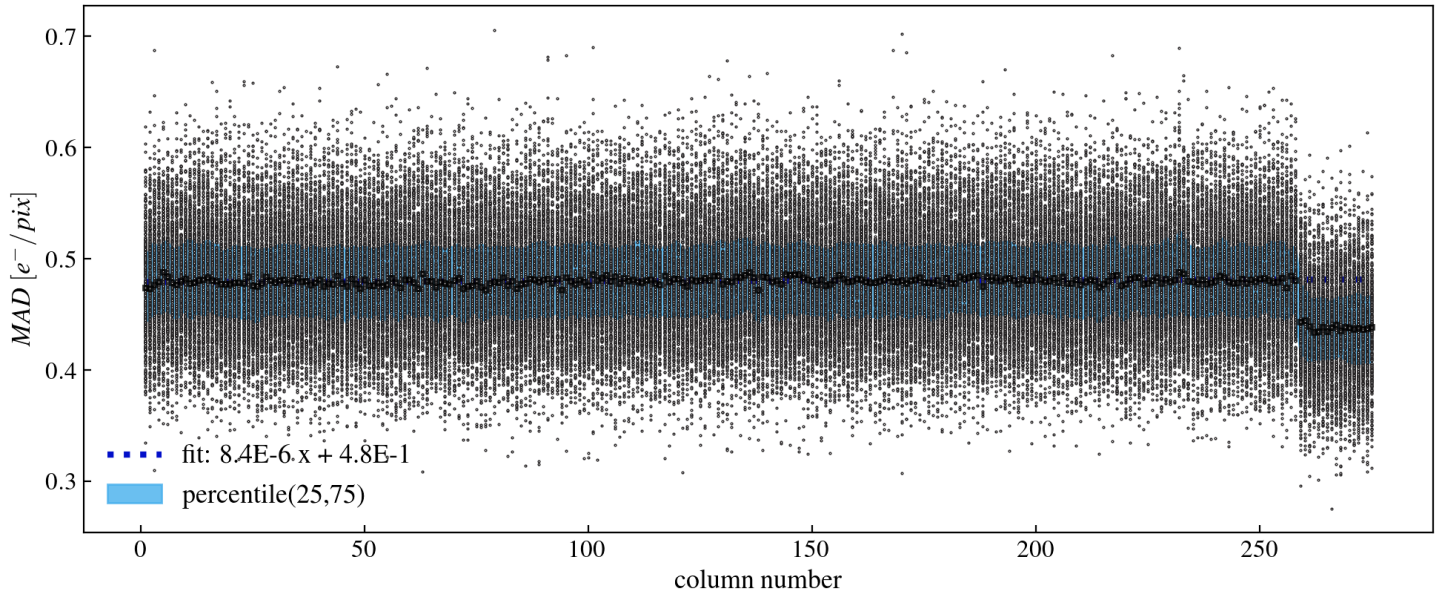


Figure 7: Full Image. MAD vs column

Overscan. Baseline vs row  
[class MEOverscanMedianperRow]

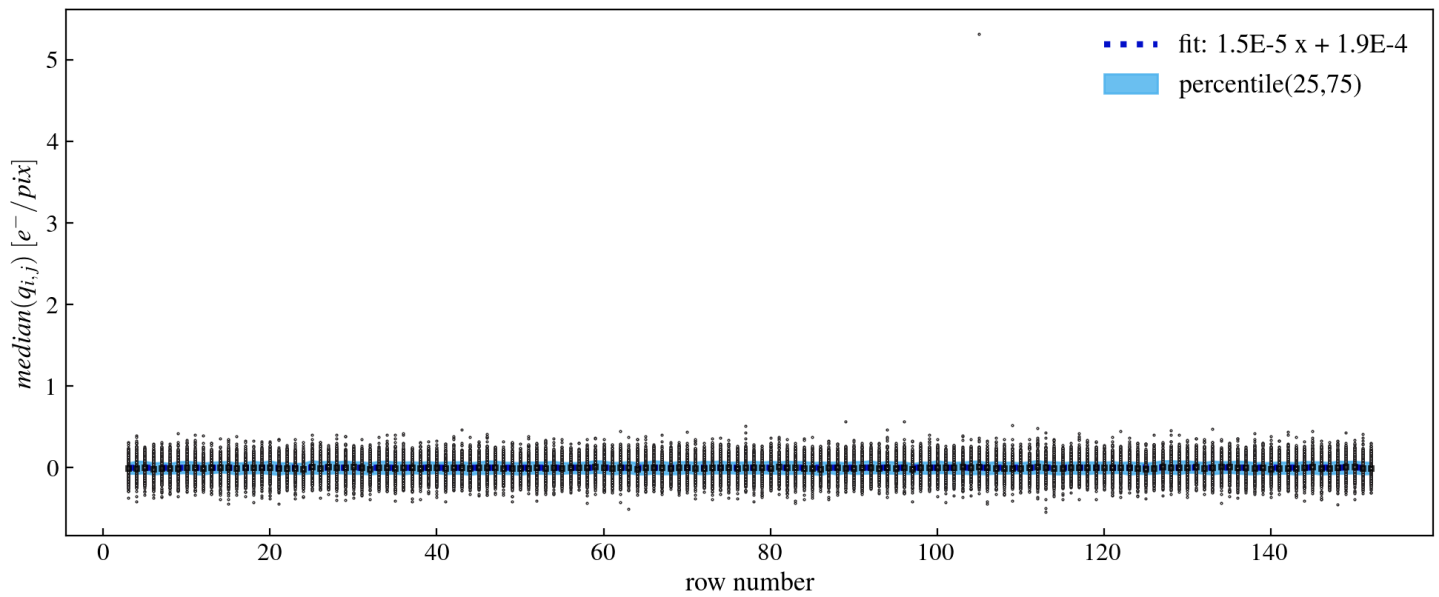


Figure 8: Overscan. Baseline vs row

Overscan. MAD vs row  
[class MEOverscanMADperRow]

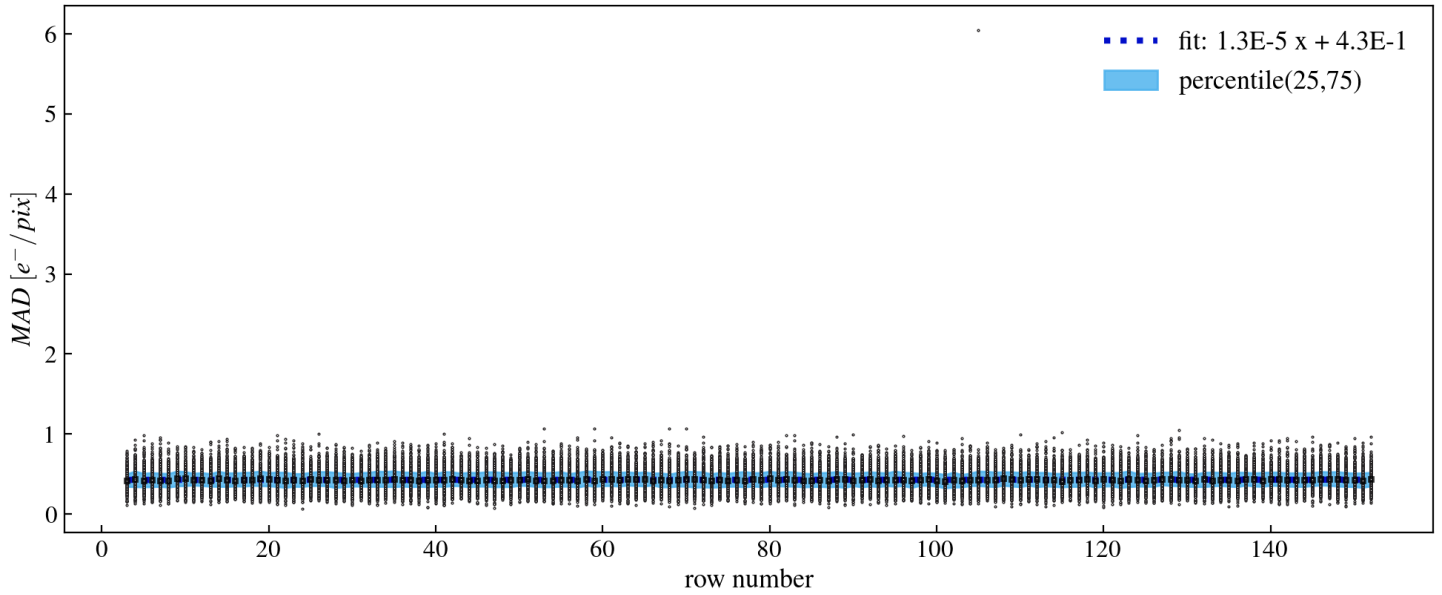


Figure 9: Overscan. MAD vs row

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

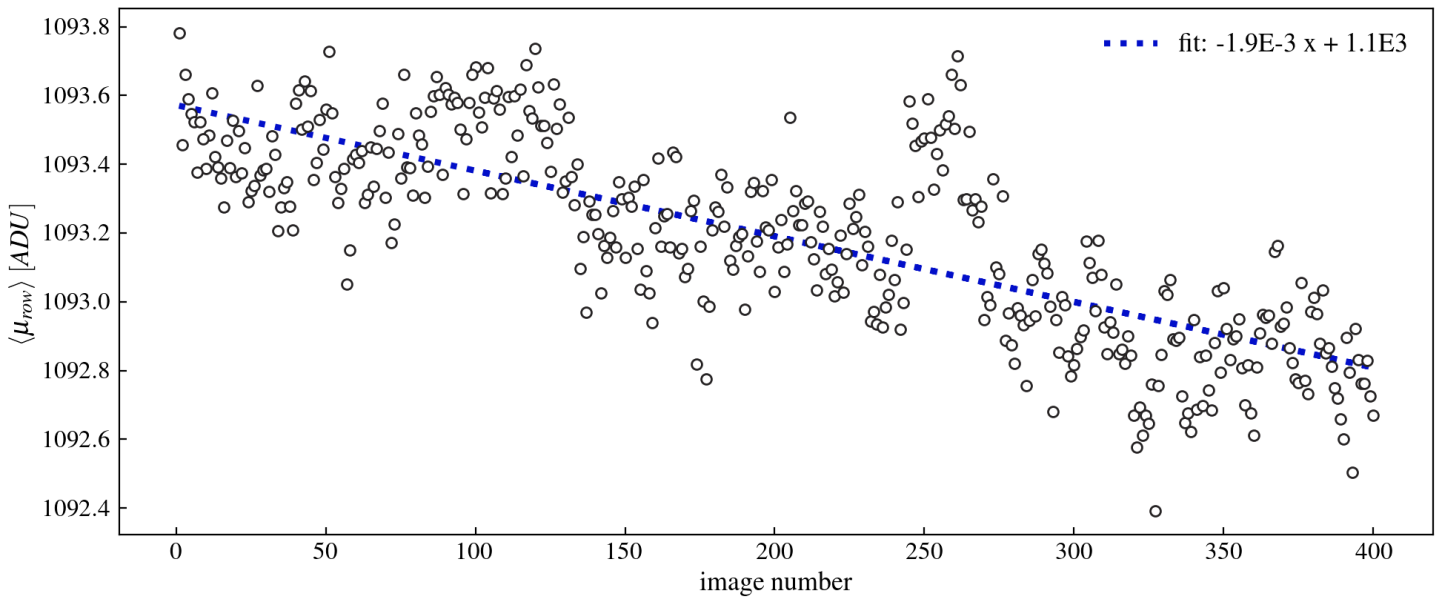


Figure 10: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

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

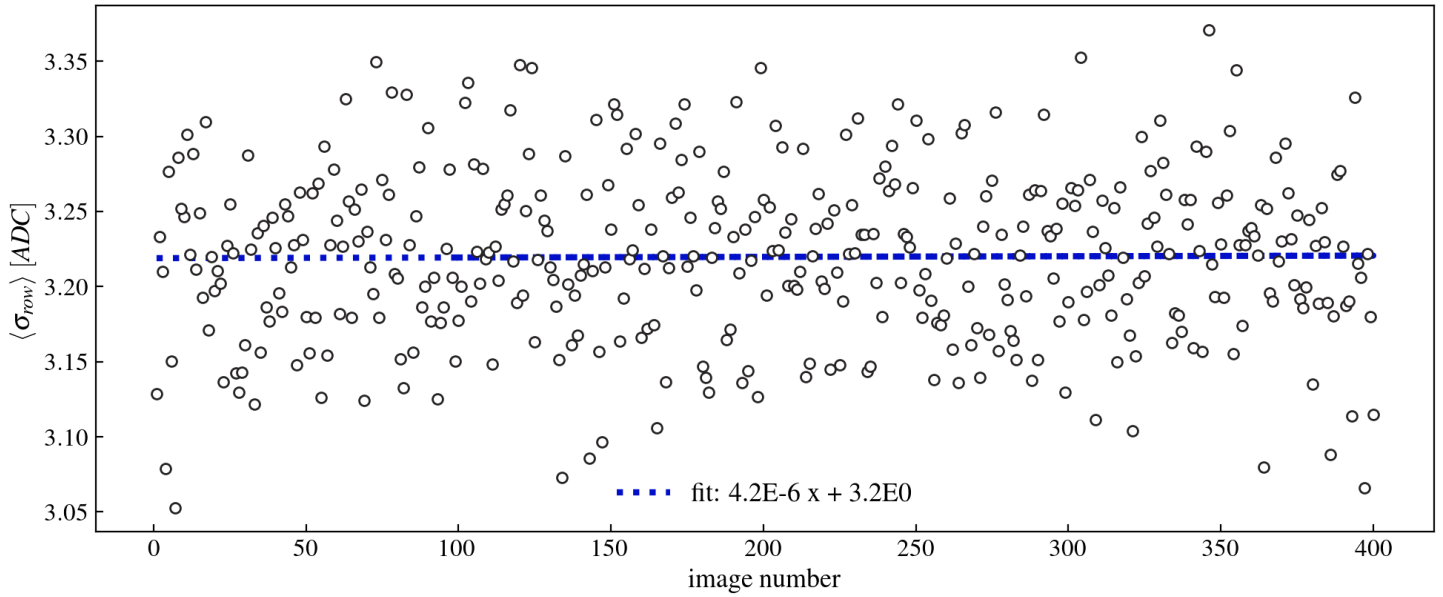


Figure 11: PedestalSubtractionProcess: mean sigma vs file (gauss fit)

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

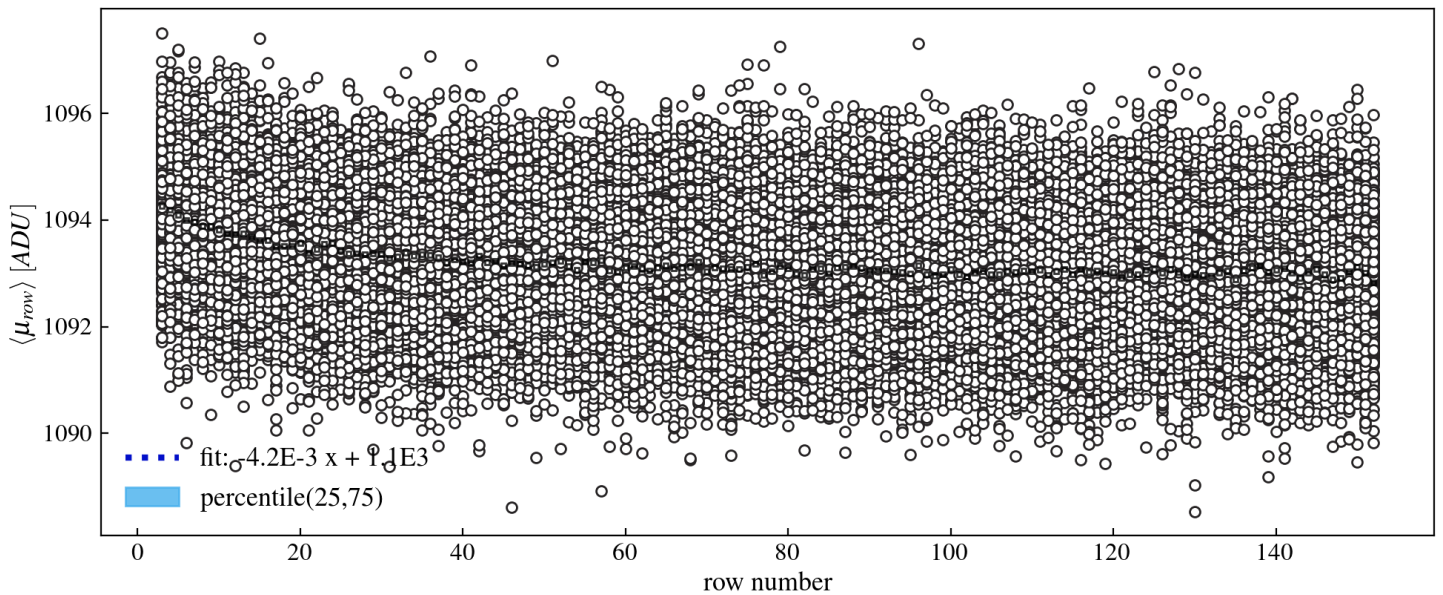


Figure 12: PedestalSubtractionProcess: mean pedestal vs file (gauss fit)

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

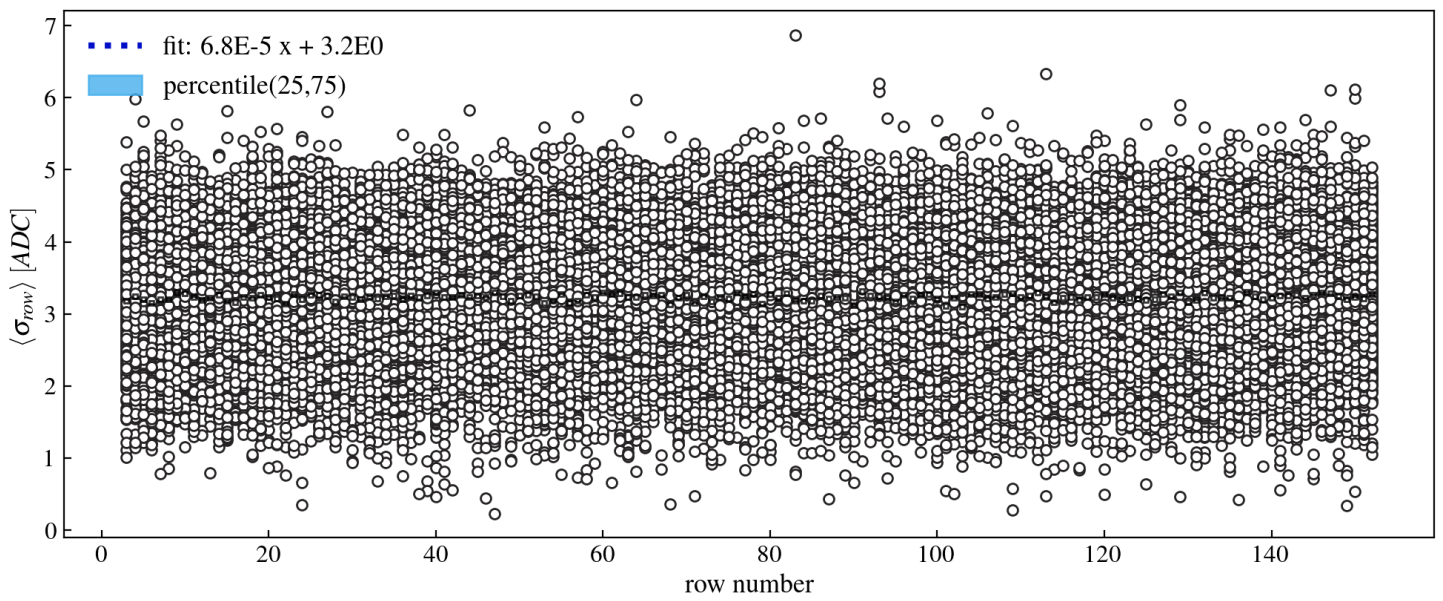


Figure 13: PedestalSubtractionProcess: mean sigma vs file (gauss fit)



Masked pixels [run 154]: frequency  
[class MEMaskedPixels]

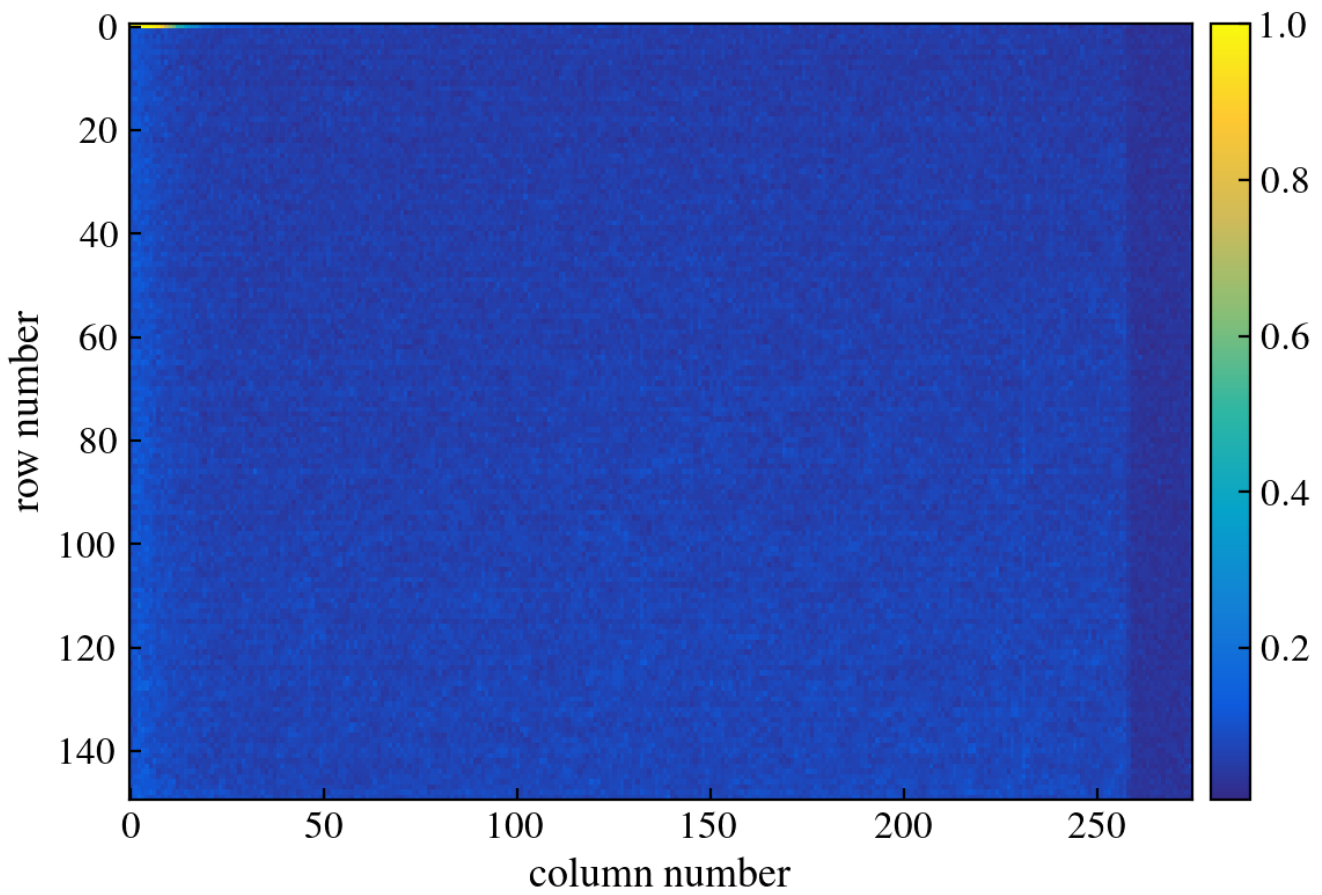


Figure 14: Masked pixels

Masked pixels [run 154]: mask  
[12] masked pixels  
[class MEMaskedPixels]

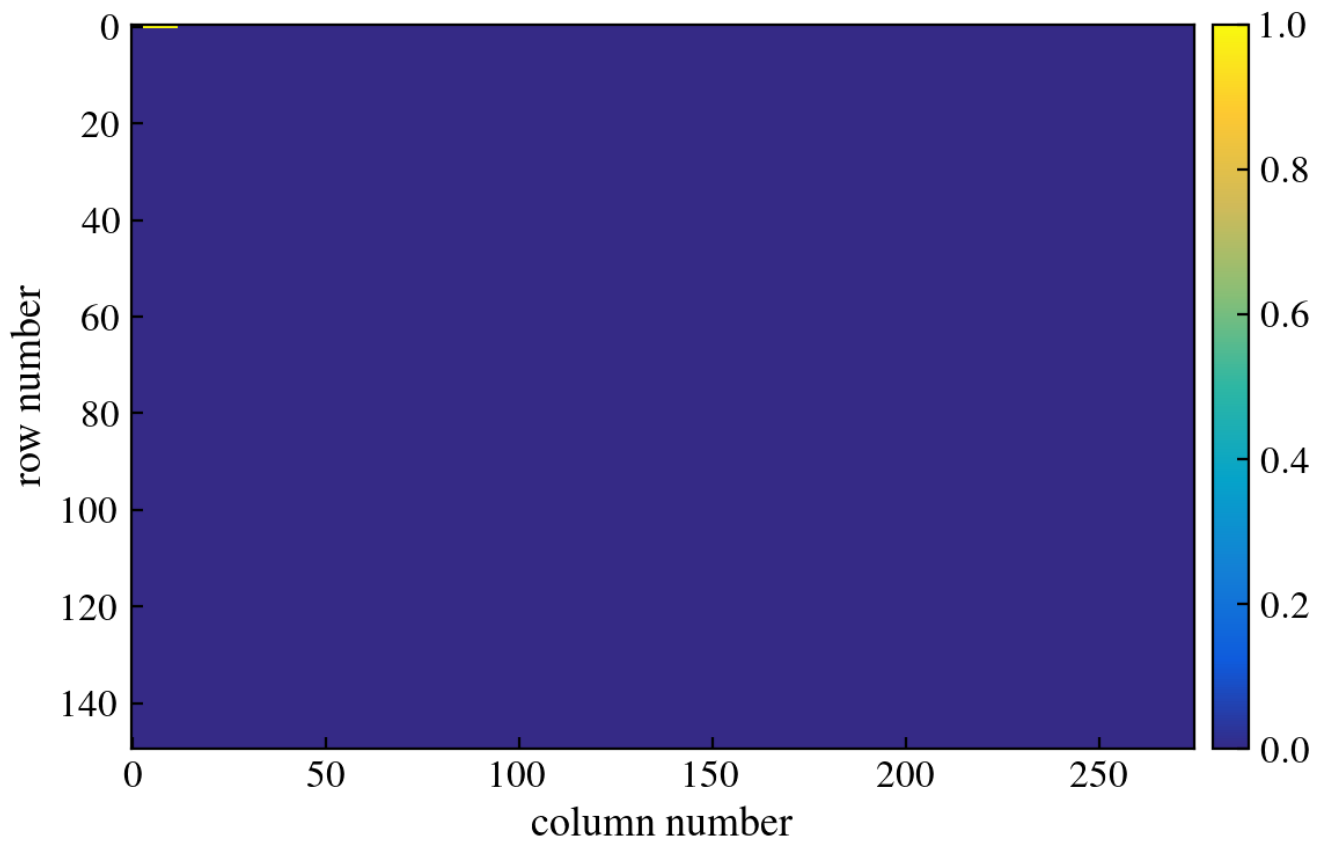


Figure 15: Masked pixels

Single Pixel Energy Distribution [w/ 5.24 ADC/e- and 3.77eV/e-]  
[class MESinglePED]

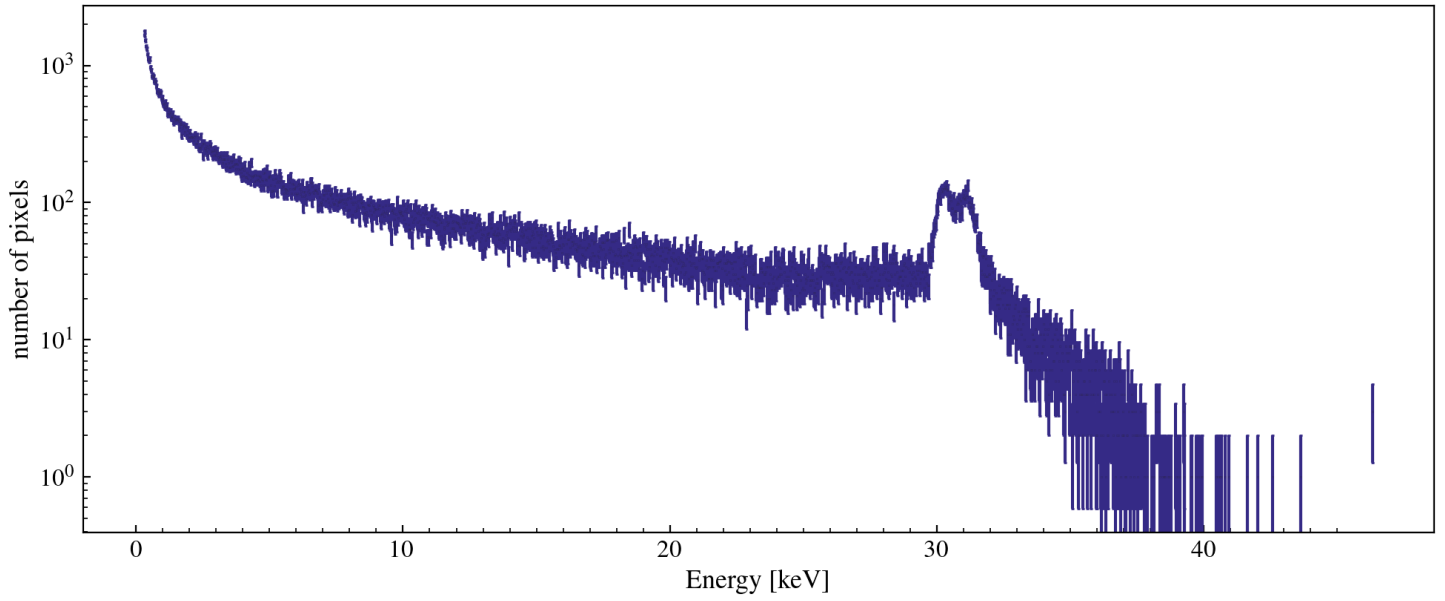


Figure 16: Number of pixels with  $E > 300.0$  eV vs file

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

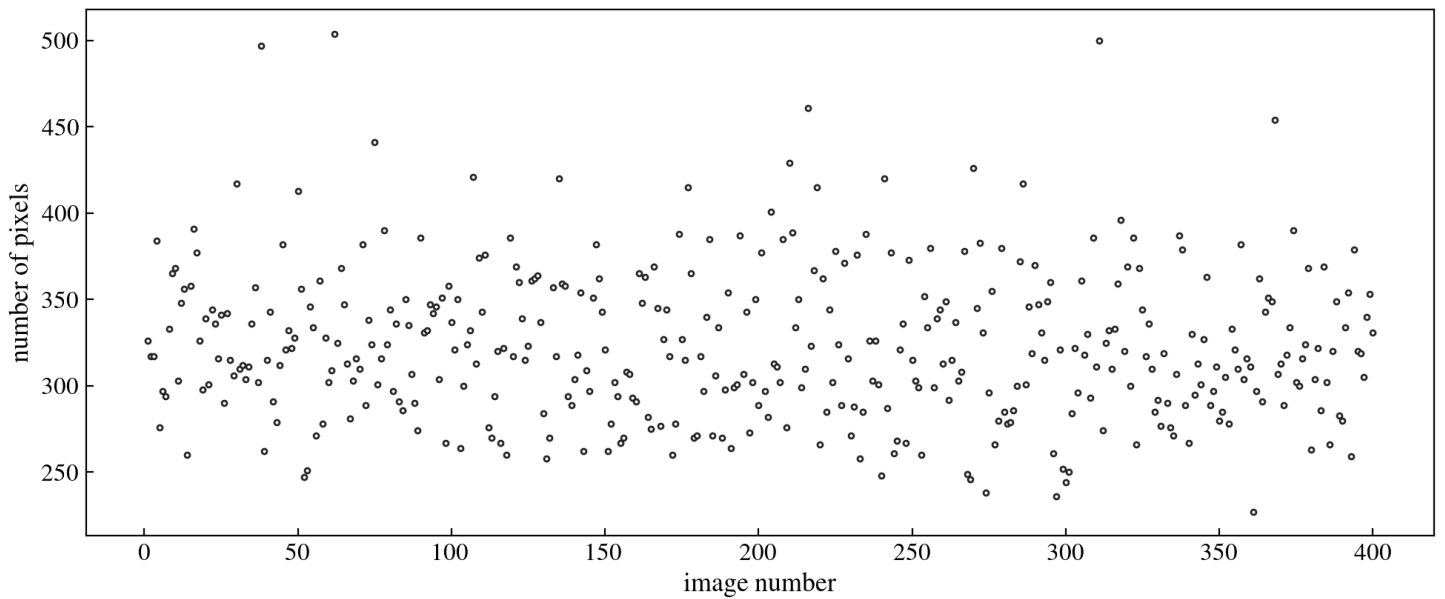


Figure 17: Number of pixels with  $E > 300.0$  eV vs file

## Pixel Charge Distribution

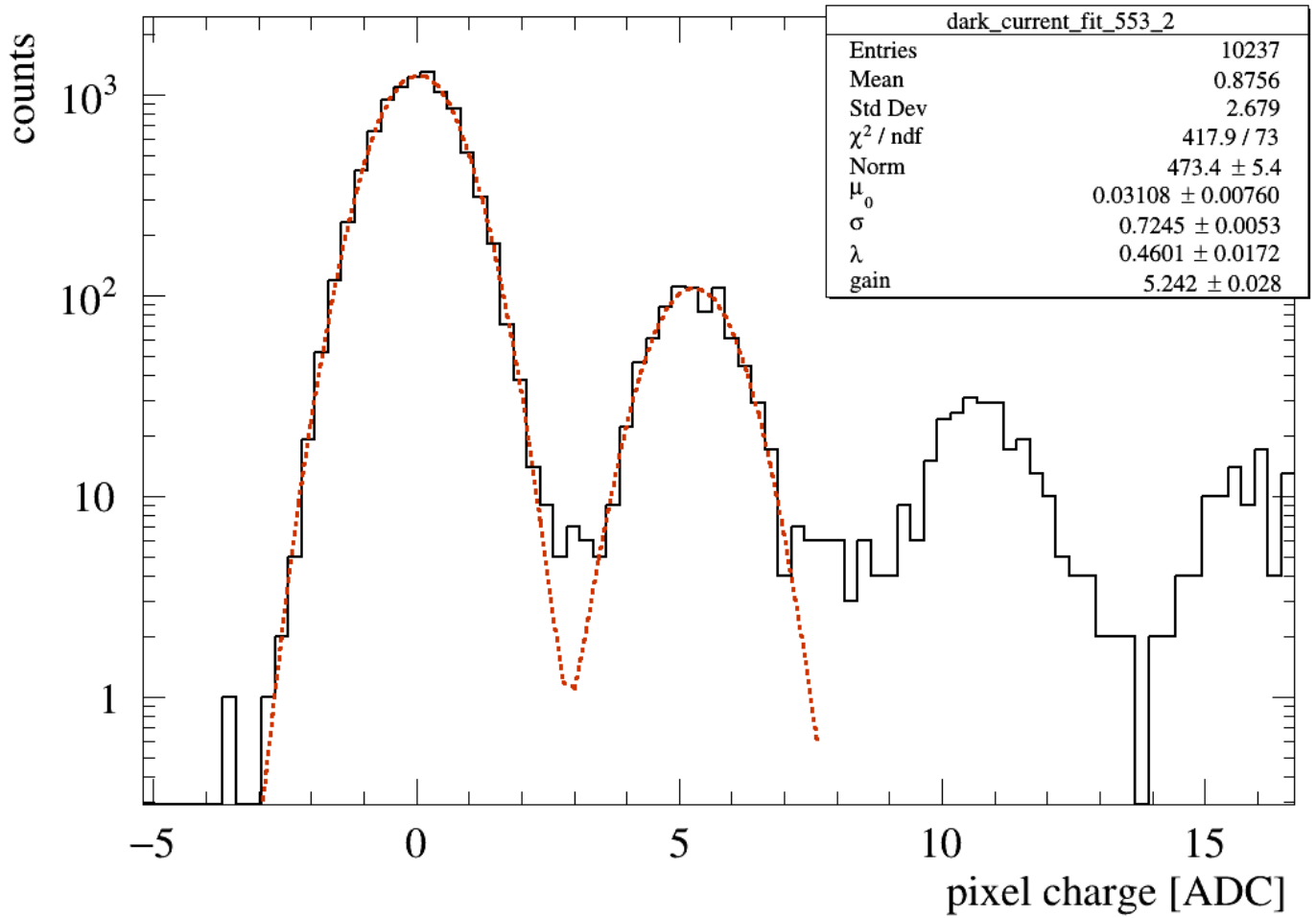


Figure 18: Pixel Charge Distribution

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

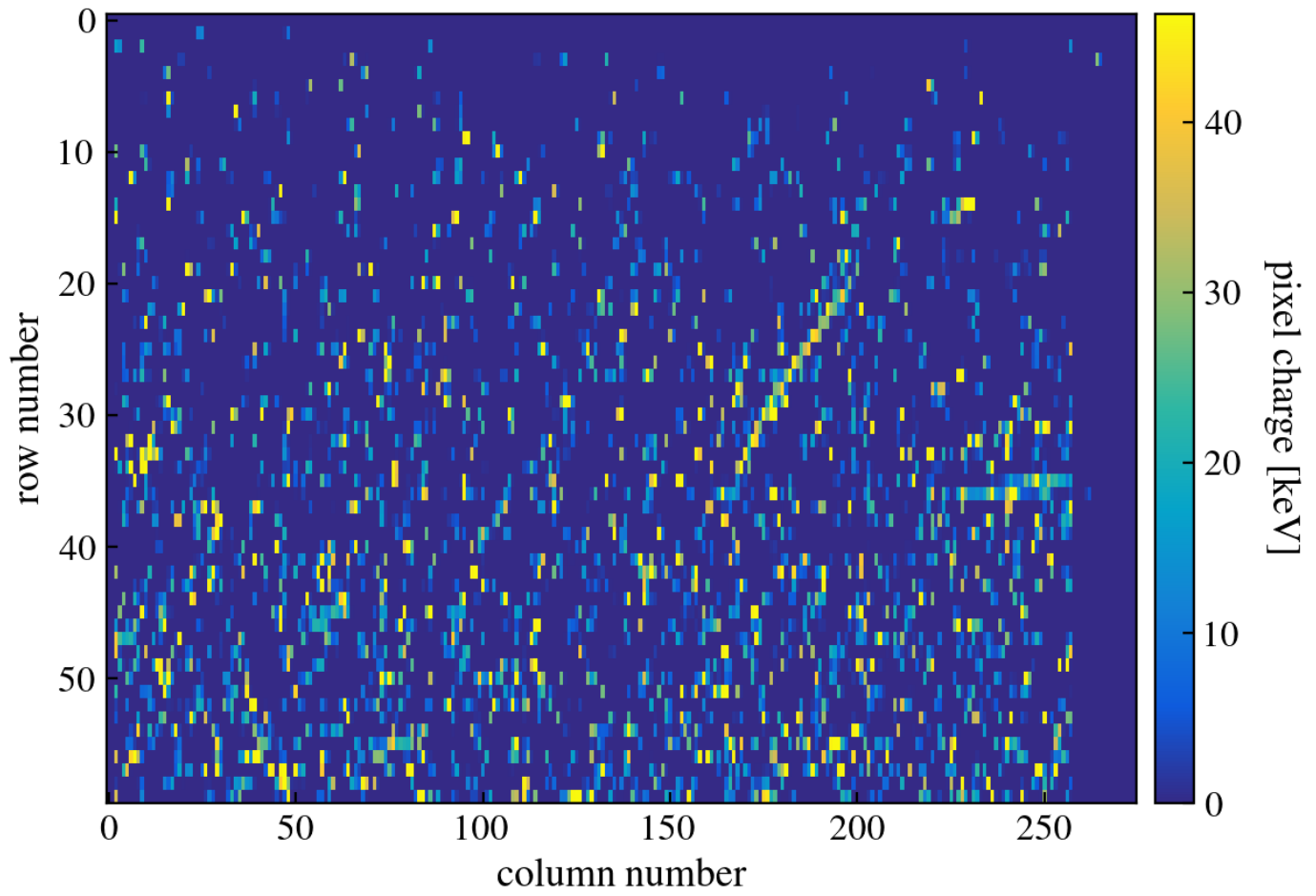


Figure 19: Pixel Charge Distribution

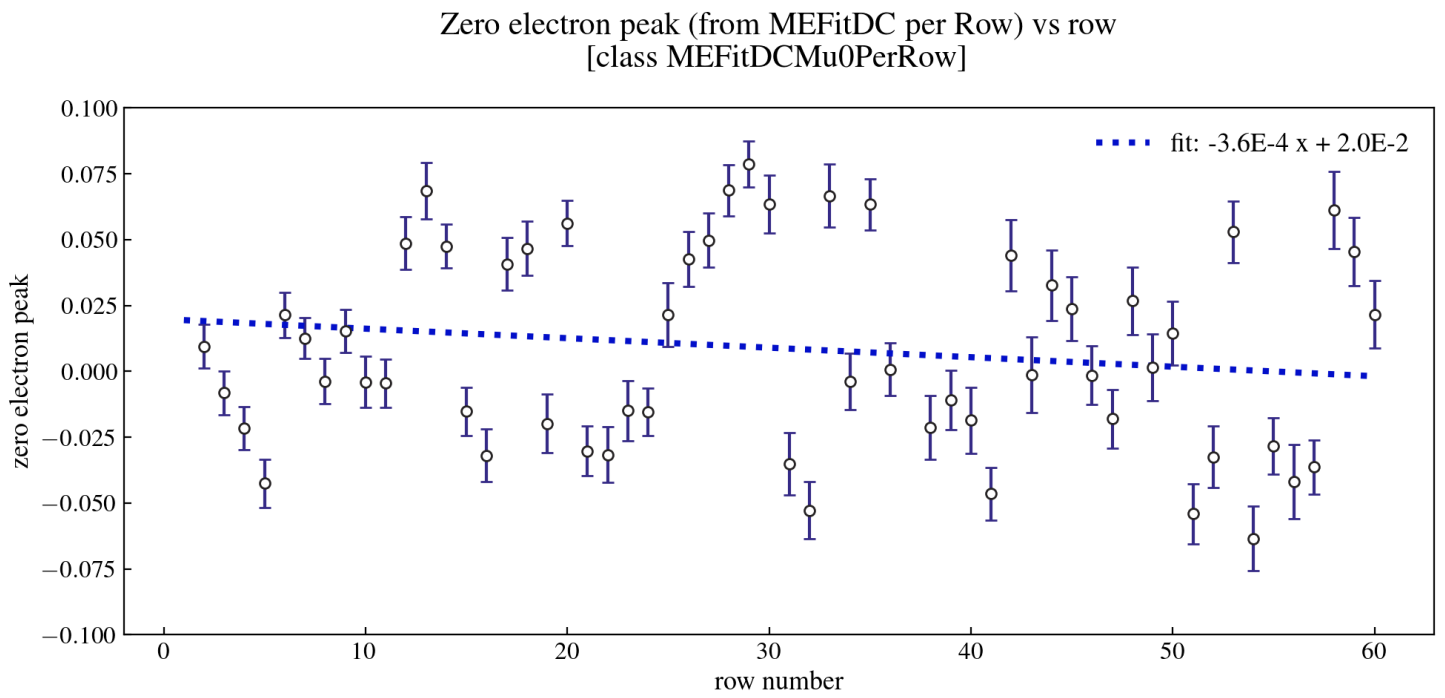


Figure 20: Zero electron peak (from MEFitDC per Row) vs row

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

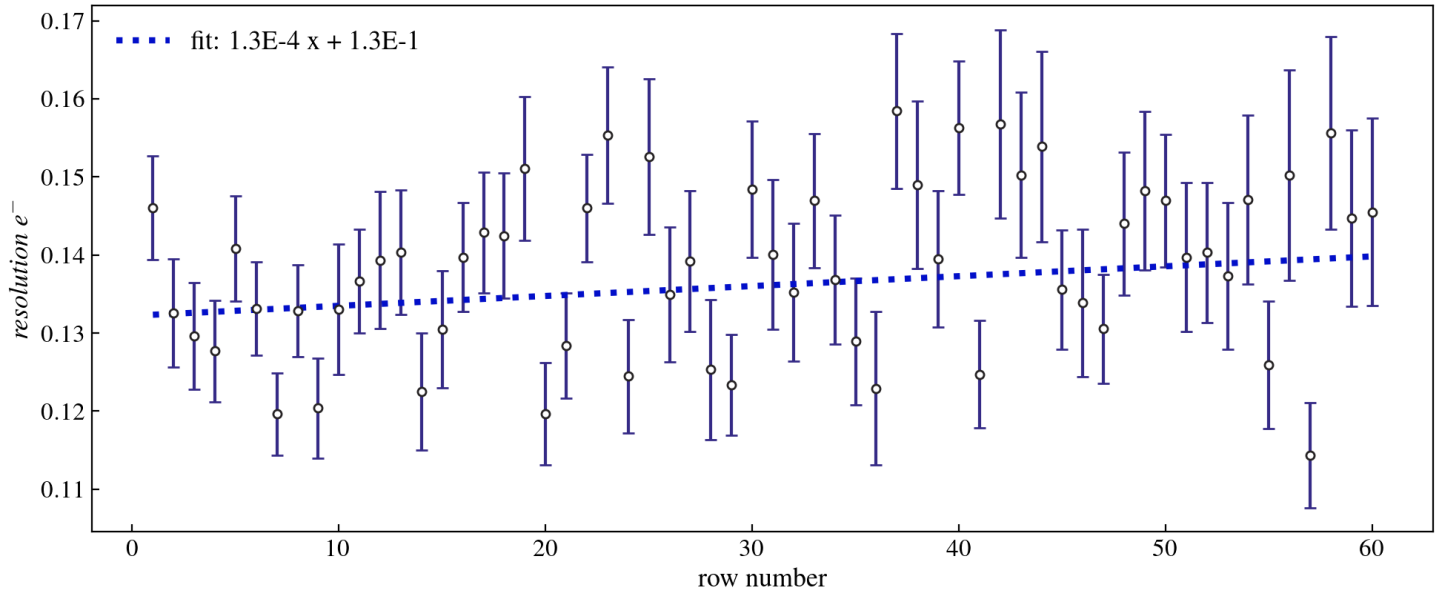


Figure 21: Electron Single Resolution (from MEFitDC per Row) vs row

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

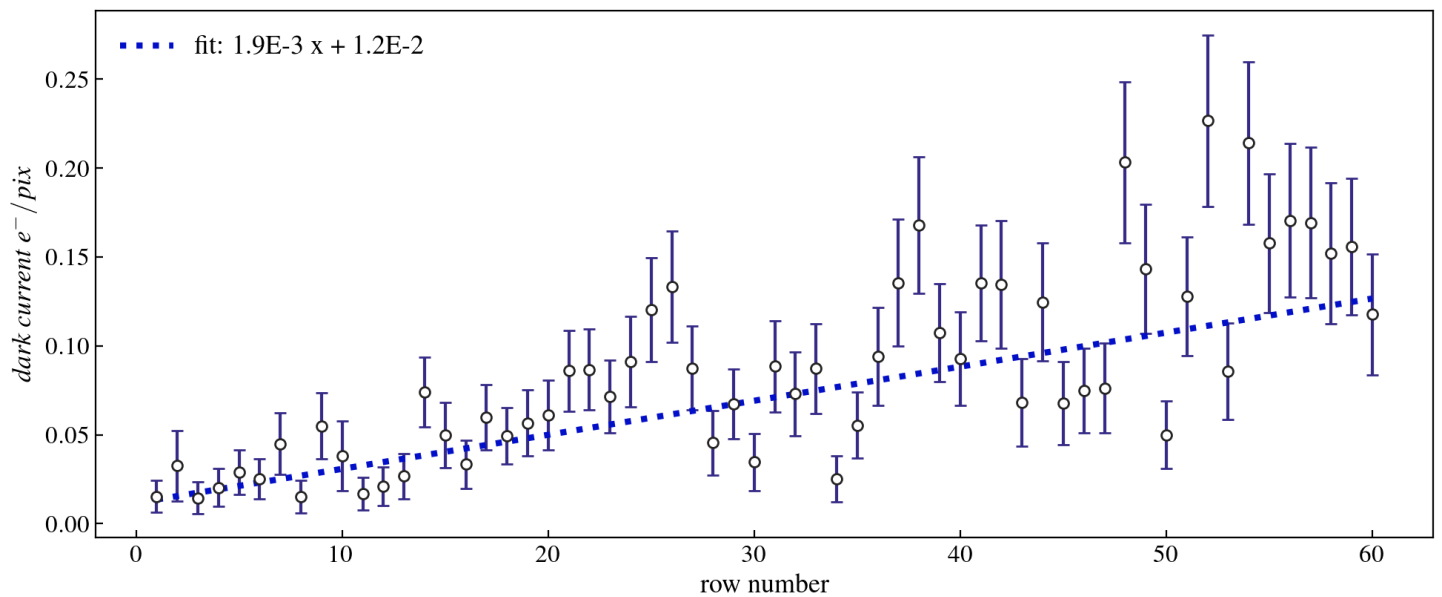


Figure 22: Dark current (from MEFitDC per Row) vs row

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

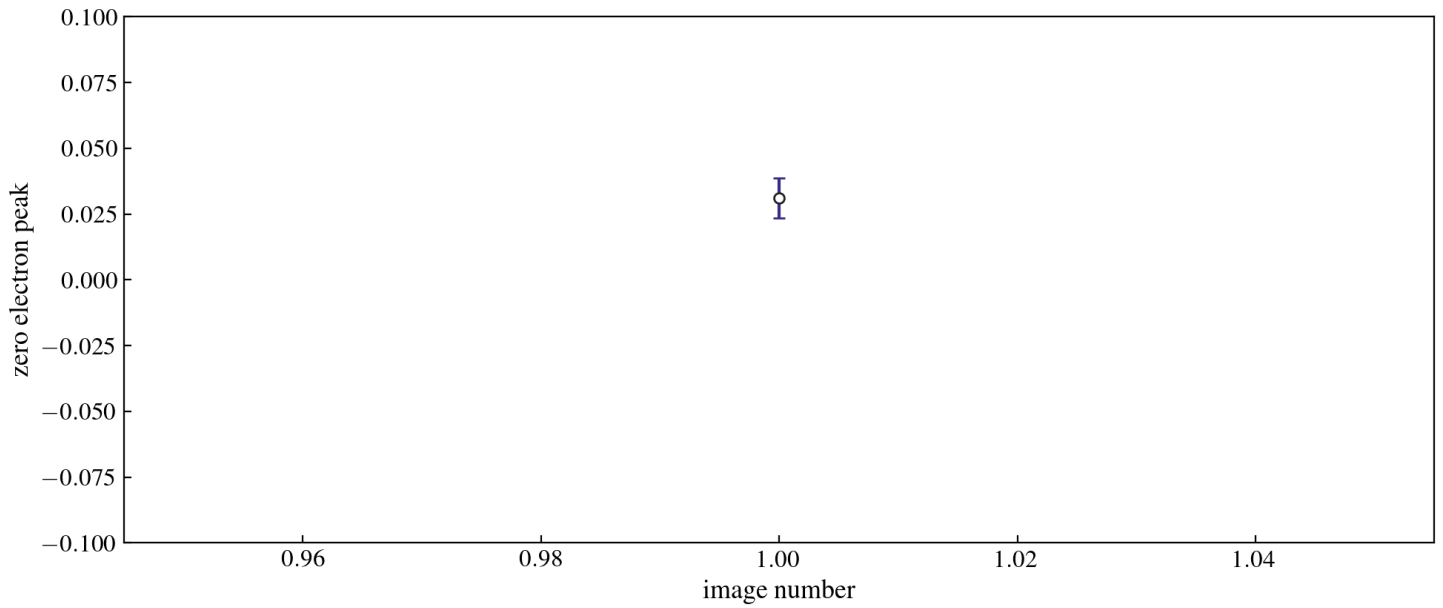


Figure 23: Zero electron peak (from MEFitDC) vs Image

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

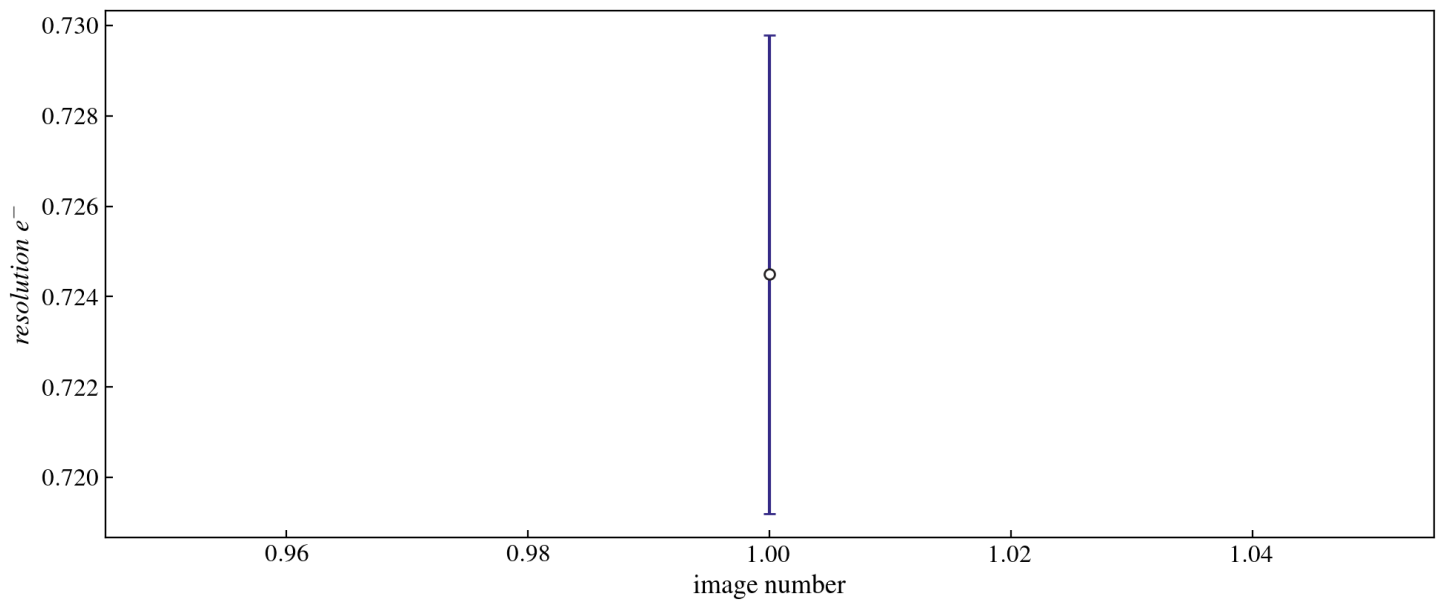


Figure 24: Electron Single Resolution (from MEFitDC) vs Image



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

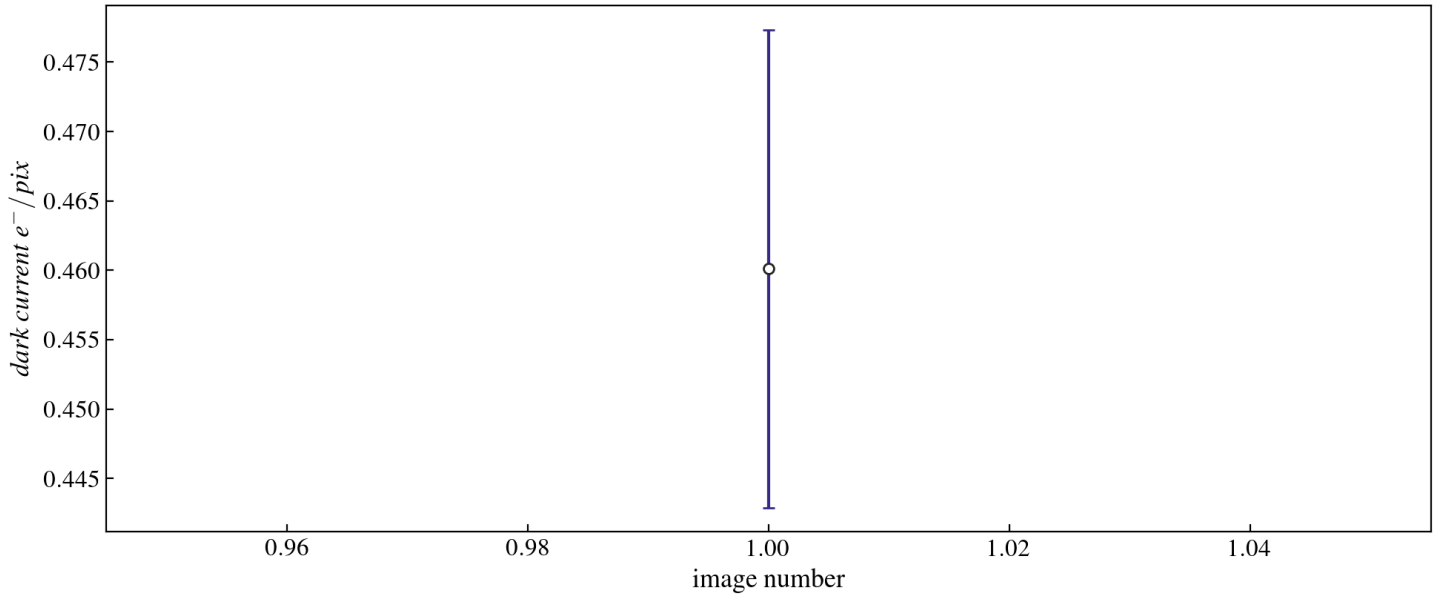


Figure 25: Dark current (from MEFitDC per Row) vs Image

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

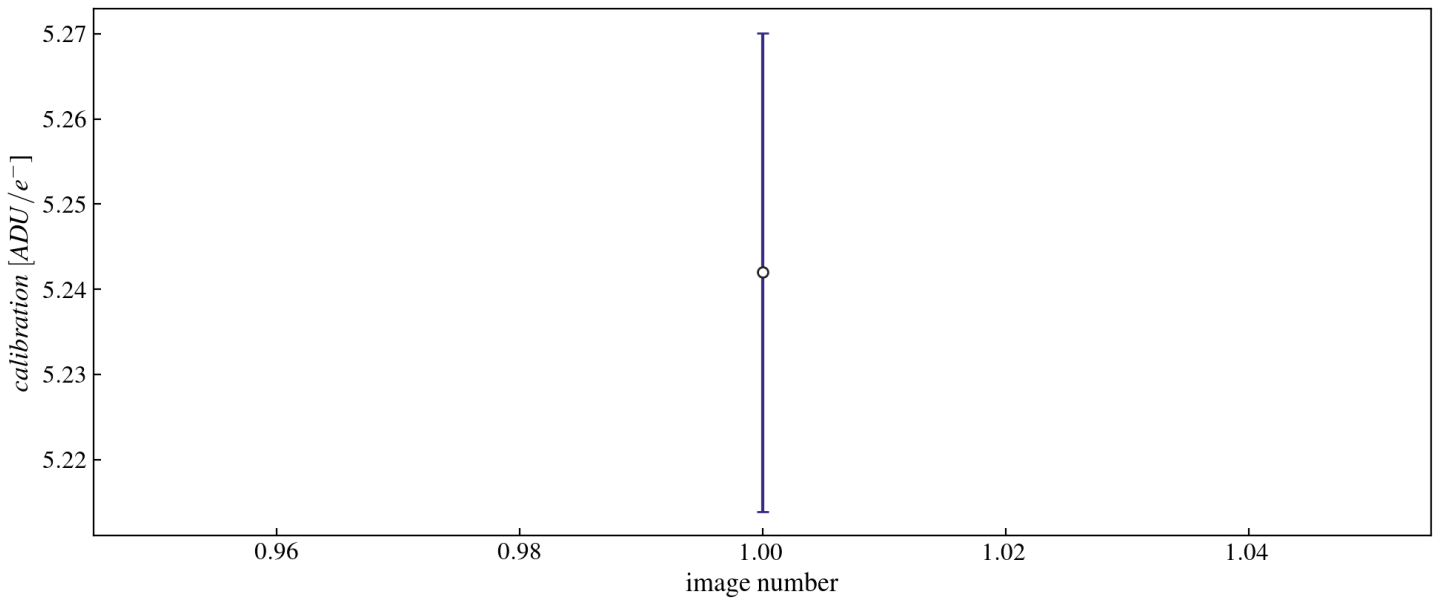


Figure 26: Calibration constant (from MEFitDC) vs Image

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

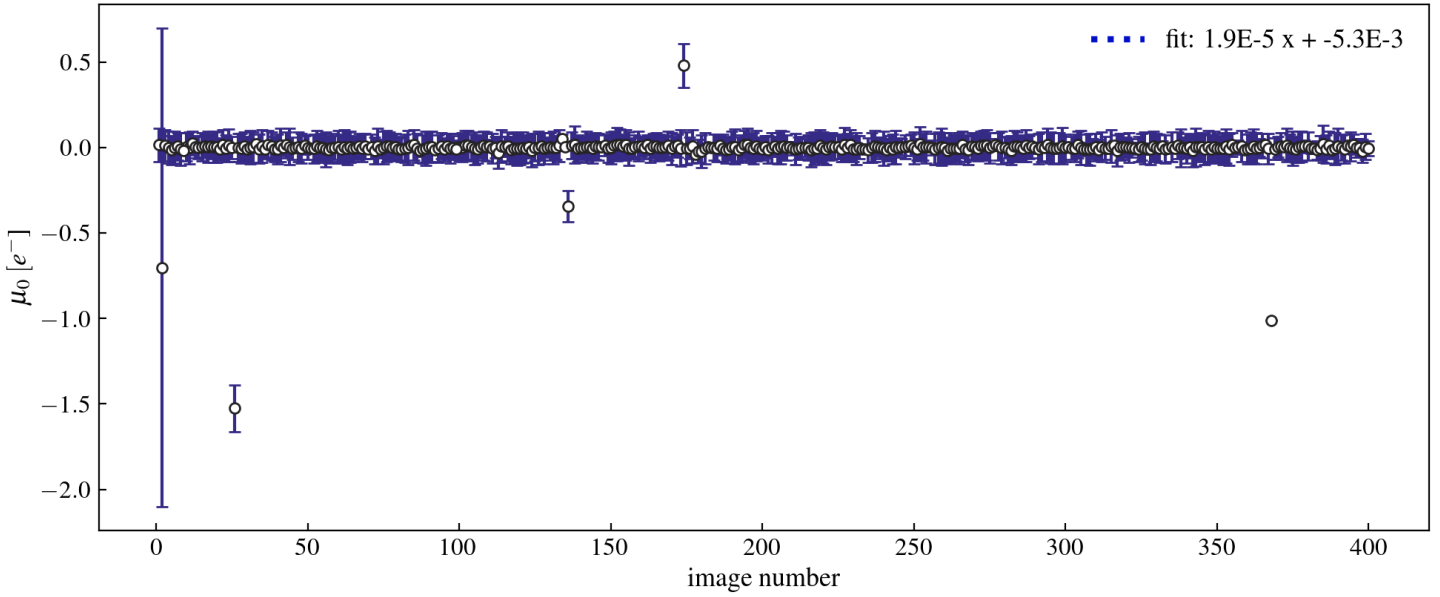


Figure 27: Overscan. PCD Gaussian fit:  $\mu_0$

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

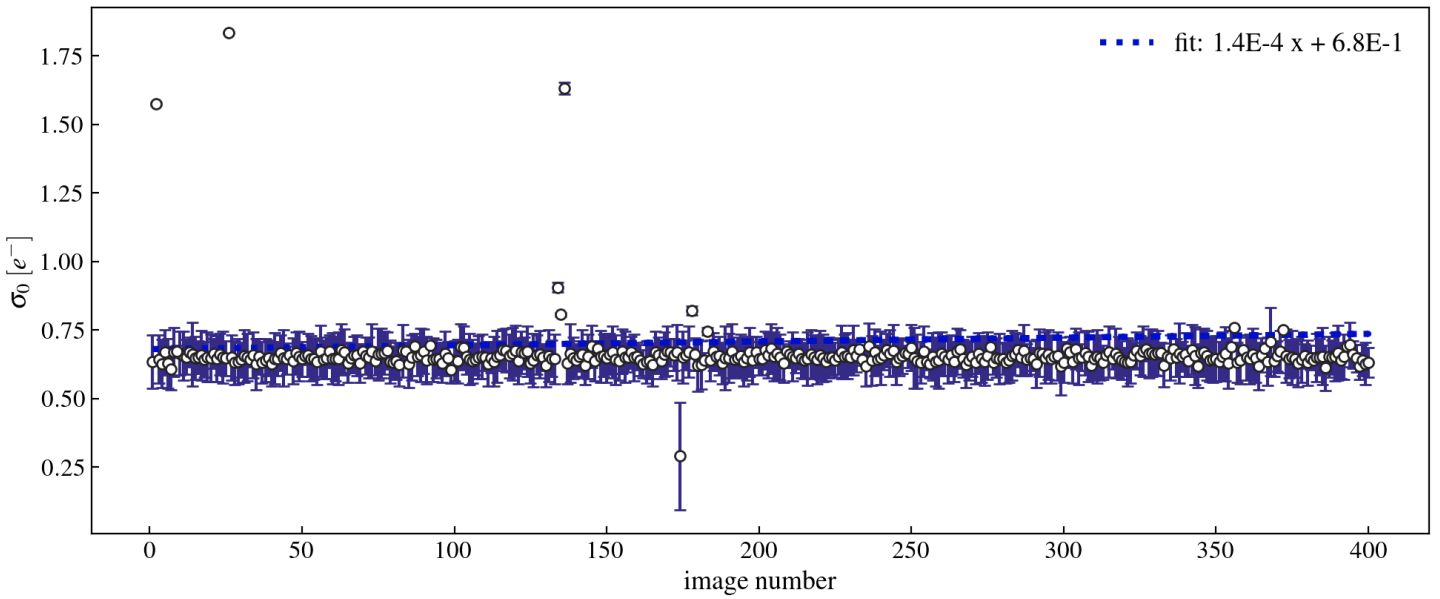


Figure 28: Overscan. PCD Gaussian fit:  $\sigma_0$

Electronic column transient showing an exponential behaviour  
[class MEColTransient]

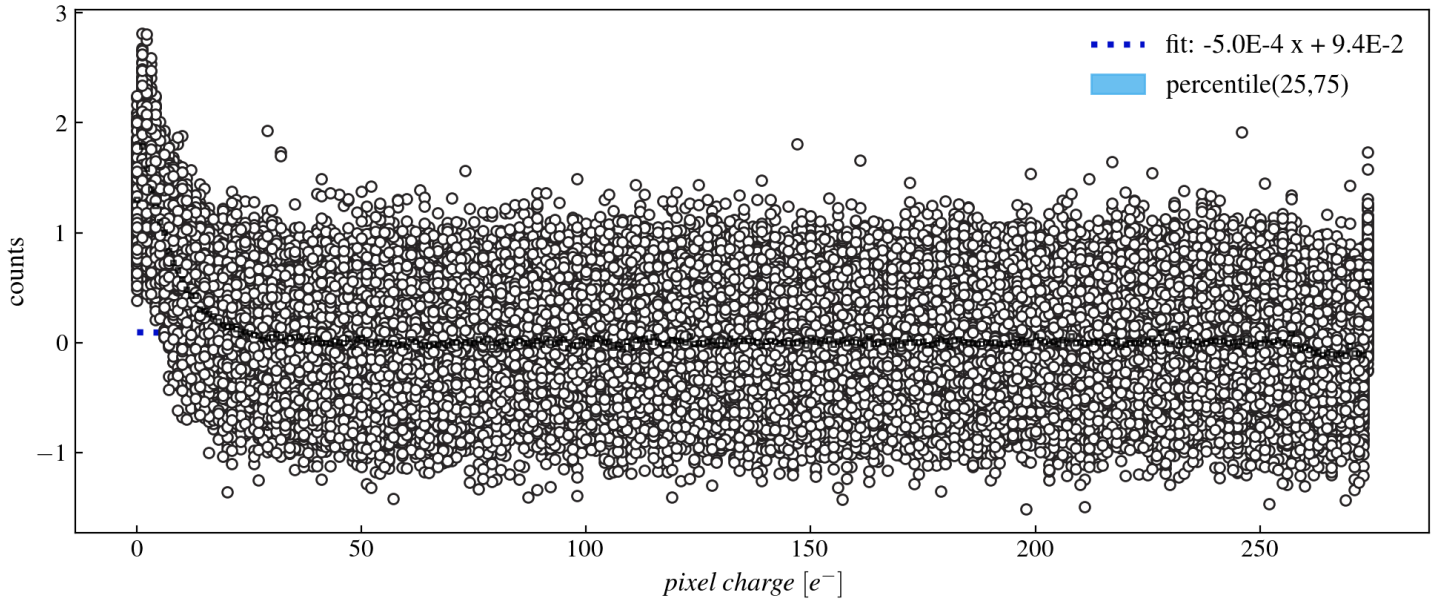


Figure 29: Electronic column transient showing an exponential behaviour

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

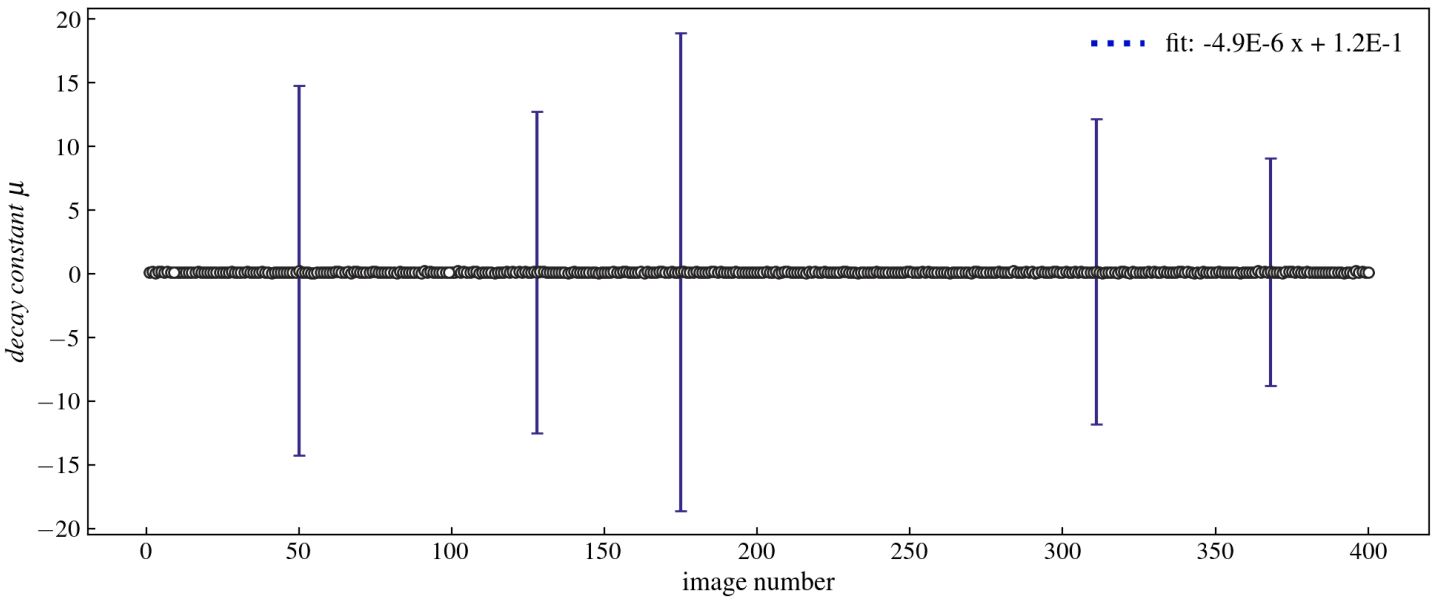


Figure 30: Column transient decay constant (from MEColTransient) vs Image

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

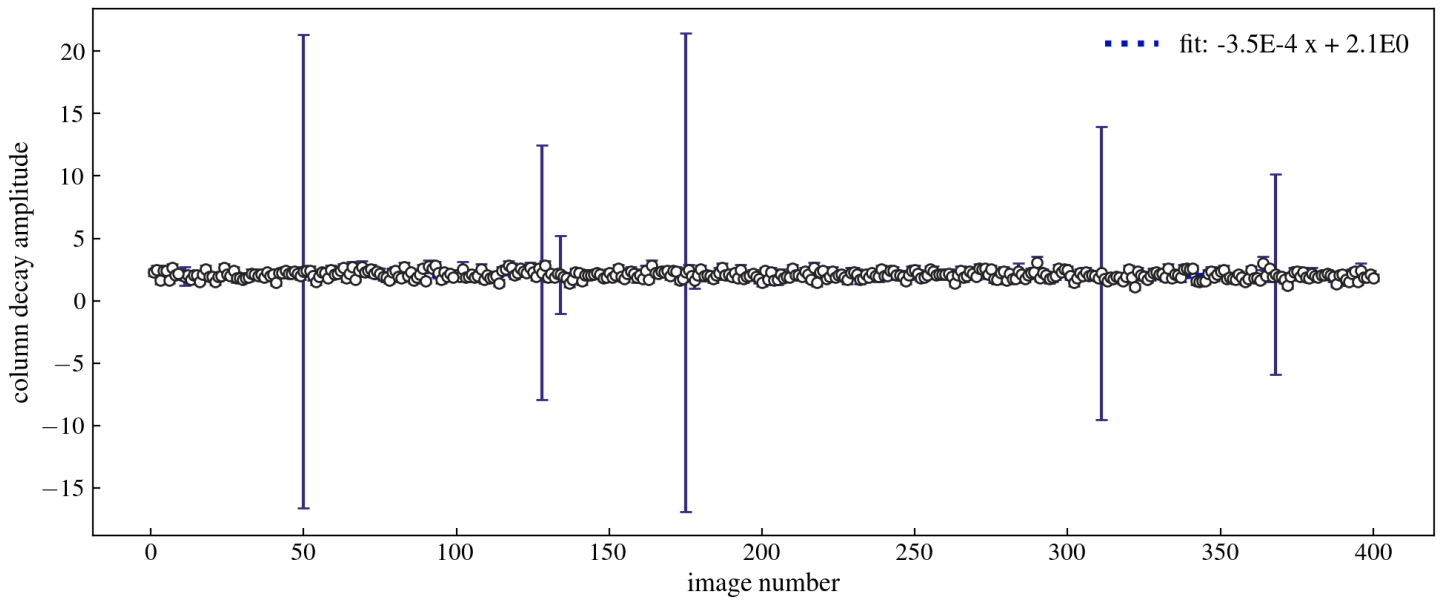


Figure 31: Column transient amplitude (from MEColTransient) vs Image

CCD Image: run 154, image 1  
[class MECCDImage]

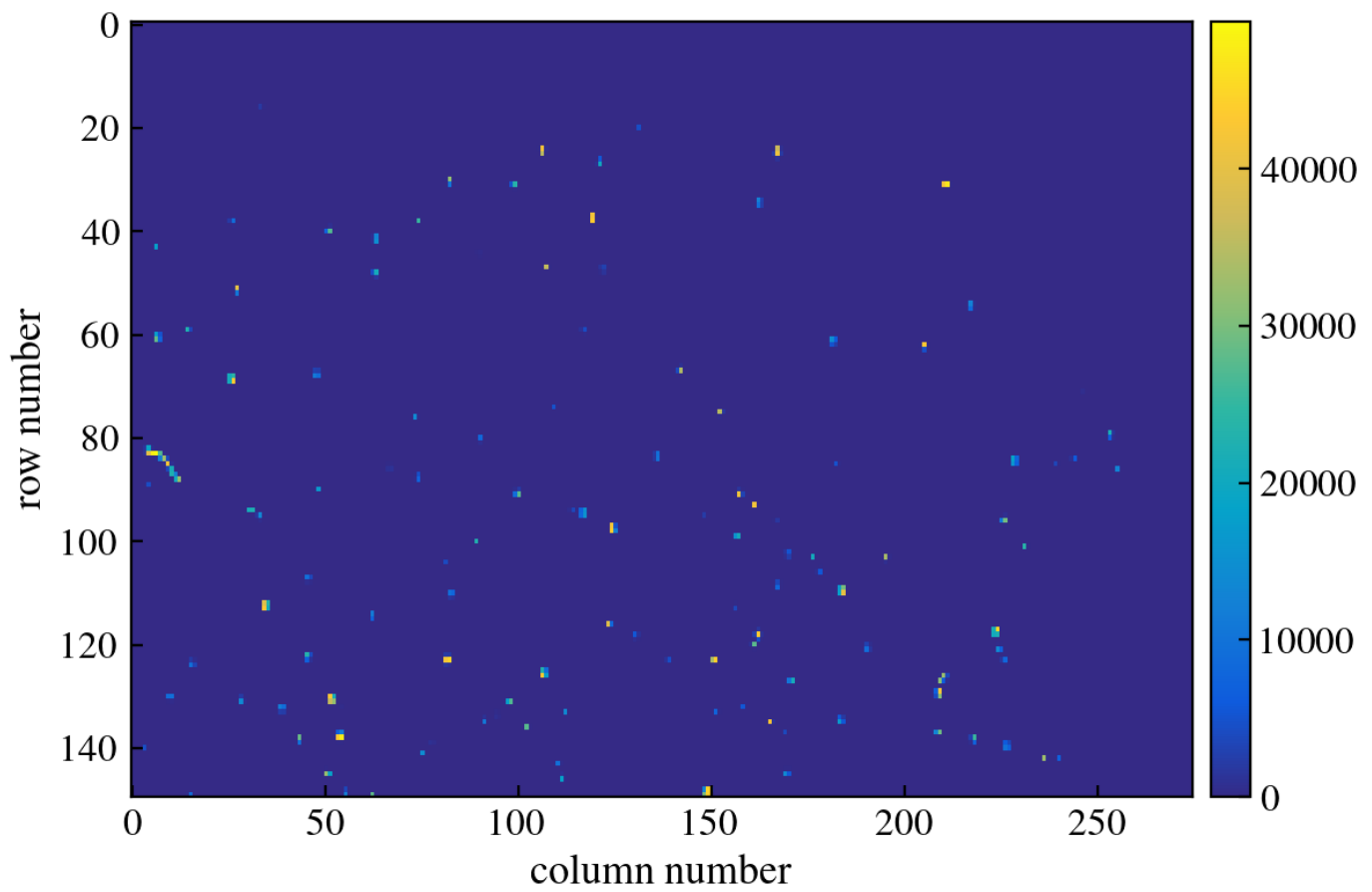


Figure 32: CCD Image

CCD Image: run 154, image 1  
[class MECCDImage]

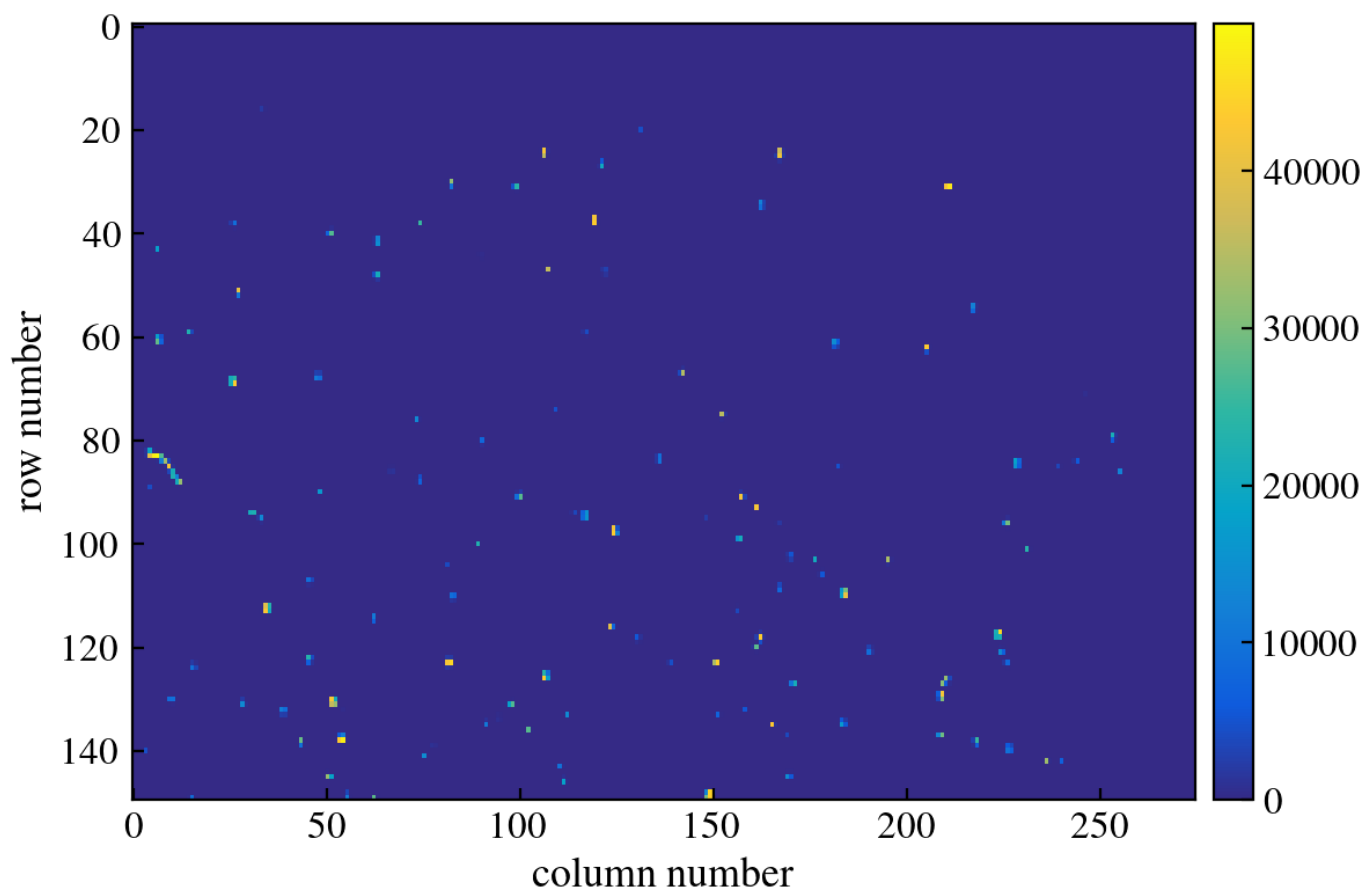


Figure 33: CCD Image

CCD Image: run 154, image 10  
[class MECCDImage]

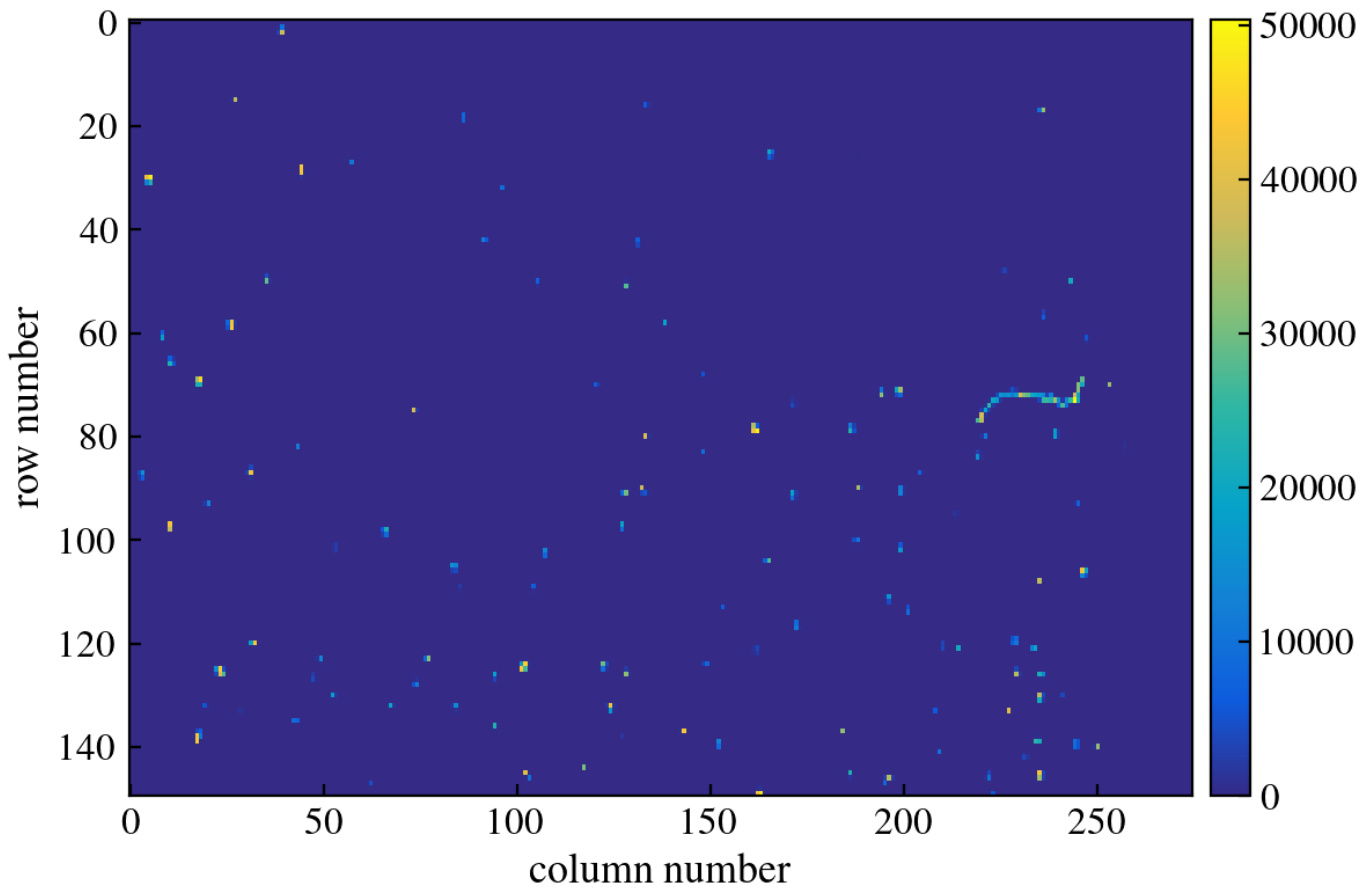


Figure 34: CCD Image

CCD Image: run 154, image 100  
[class MECCDImage]

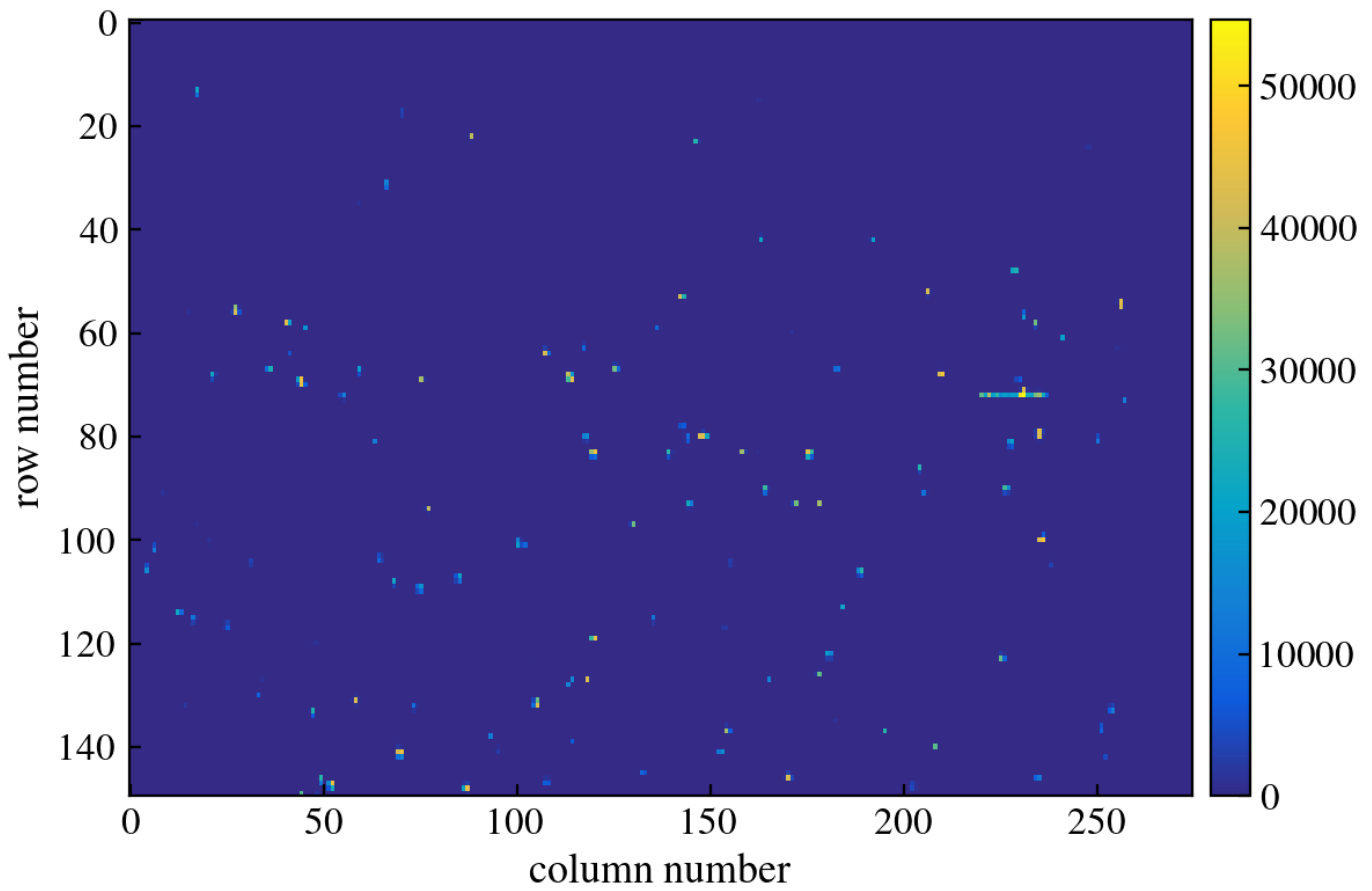


Figure 35: CCD Image



CCD Image: run 154, image 101  
[class MECCDImage]

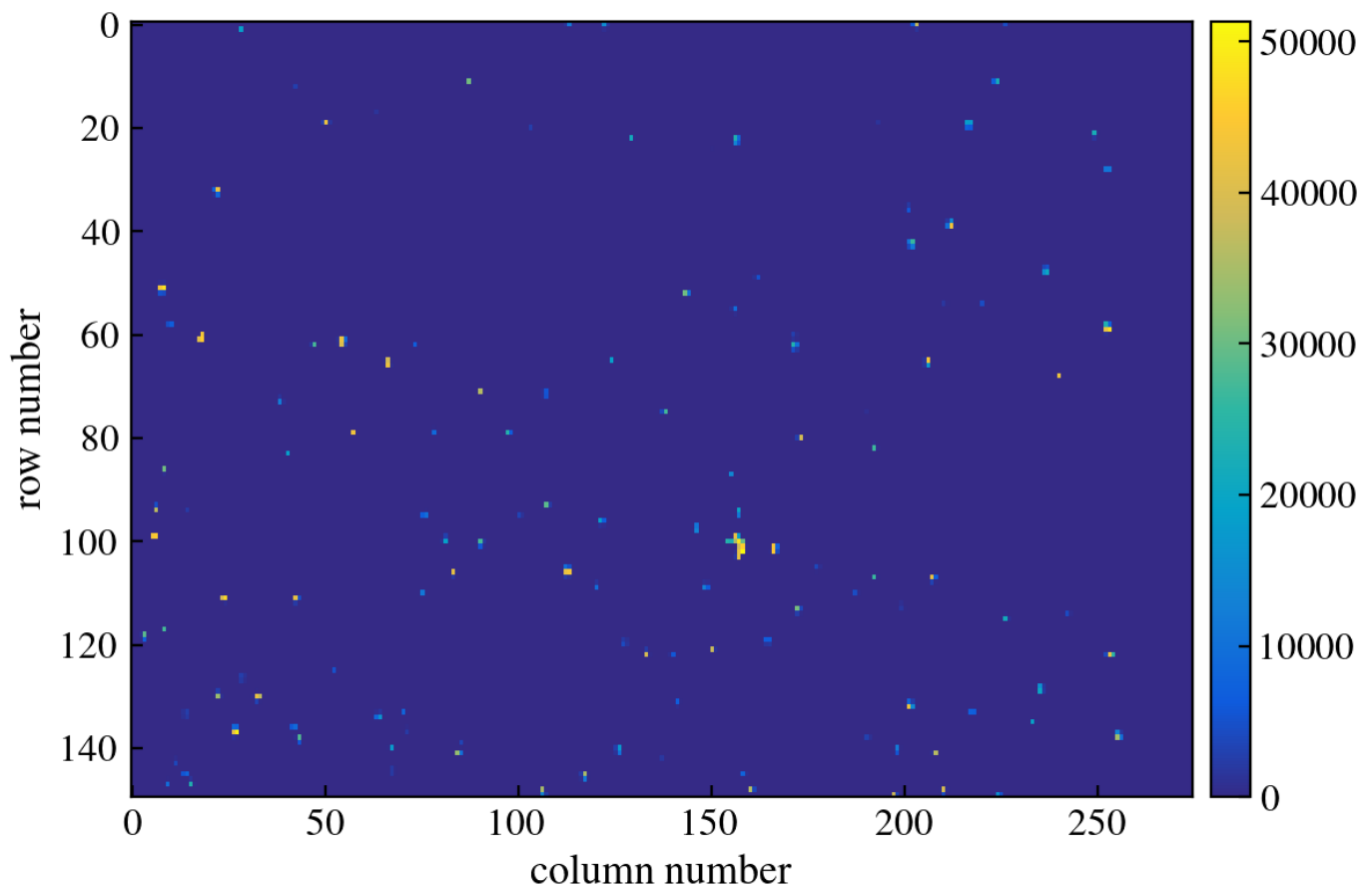


Figure 36: CCD Image

CCD Image: run 154, image 102  
[class MECCDImage]

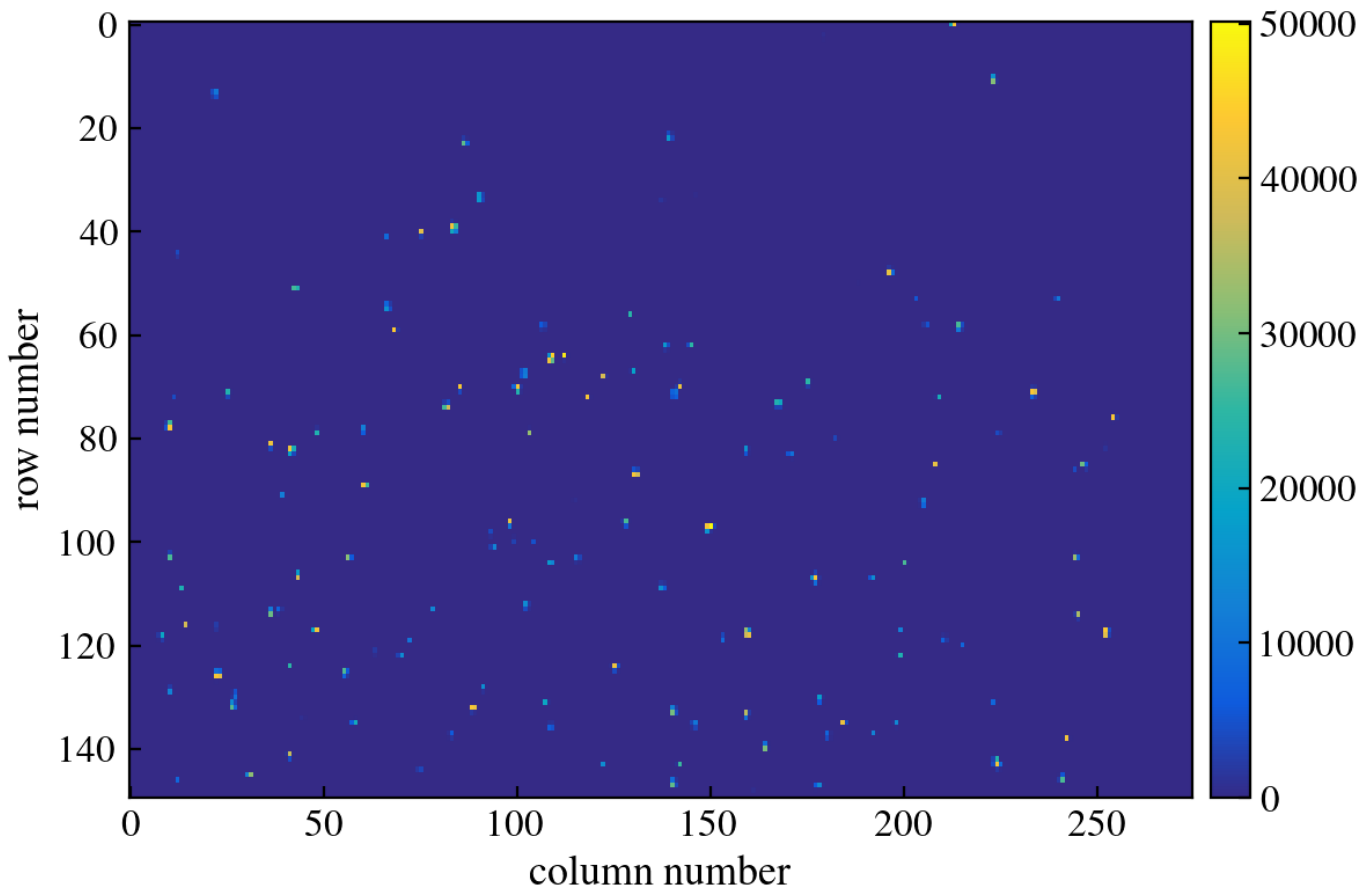


Figure 37: CCD Image

CCD Image: run 154, image 103  
[class MECCDImage]

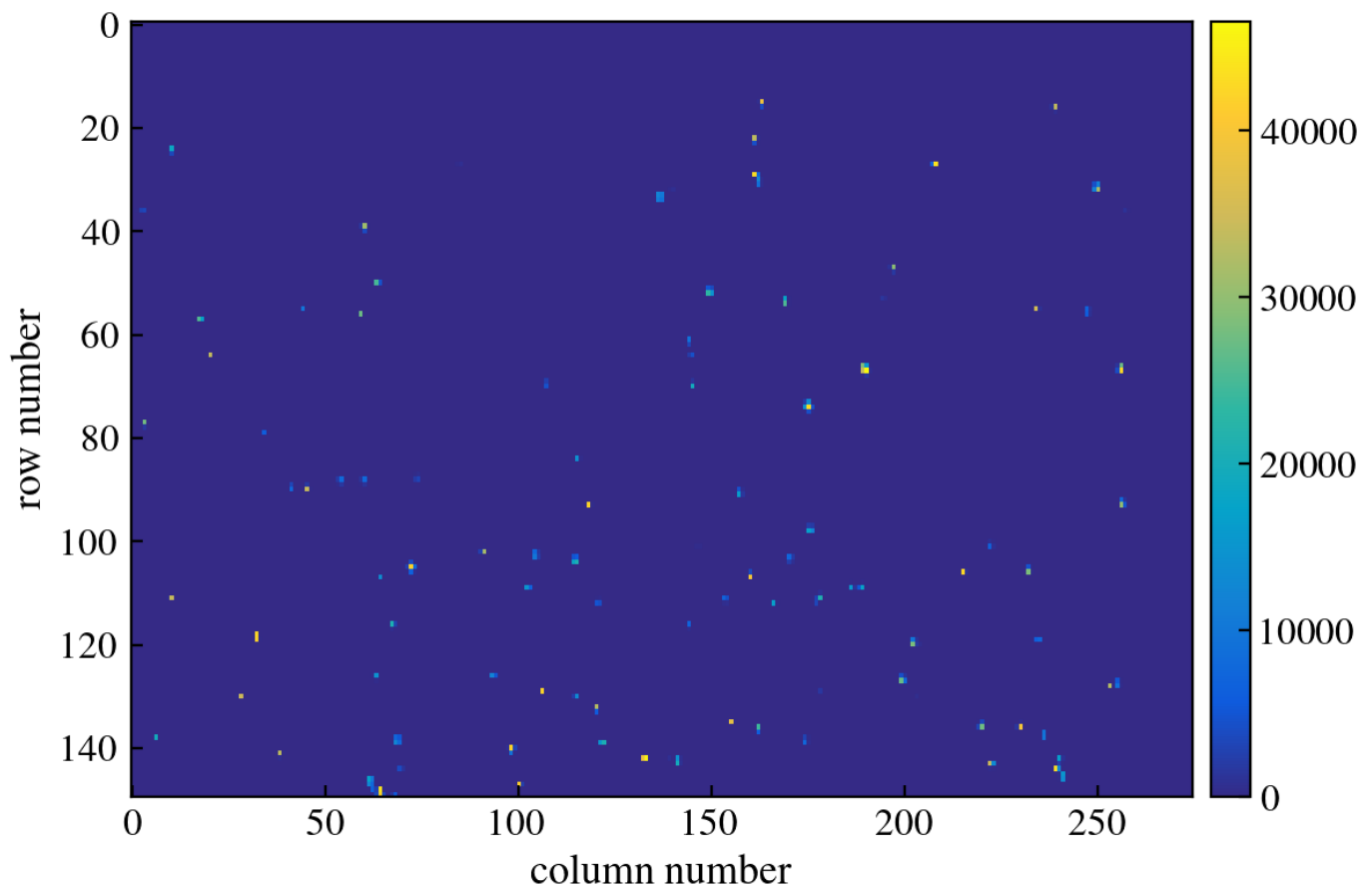


Figure 38: CCD Image

CCD Image: run 154, image 104  
[class MECCDImage]

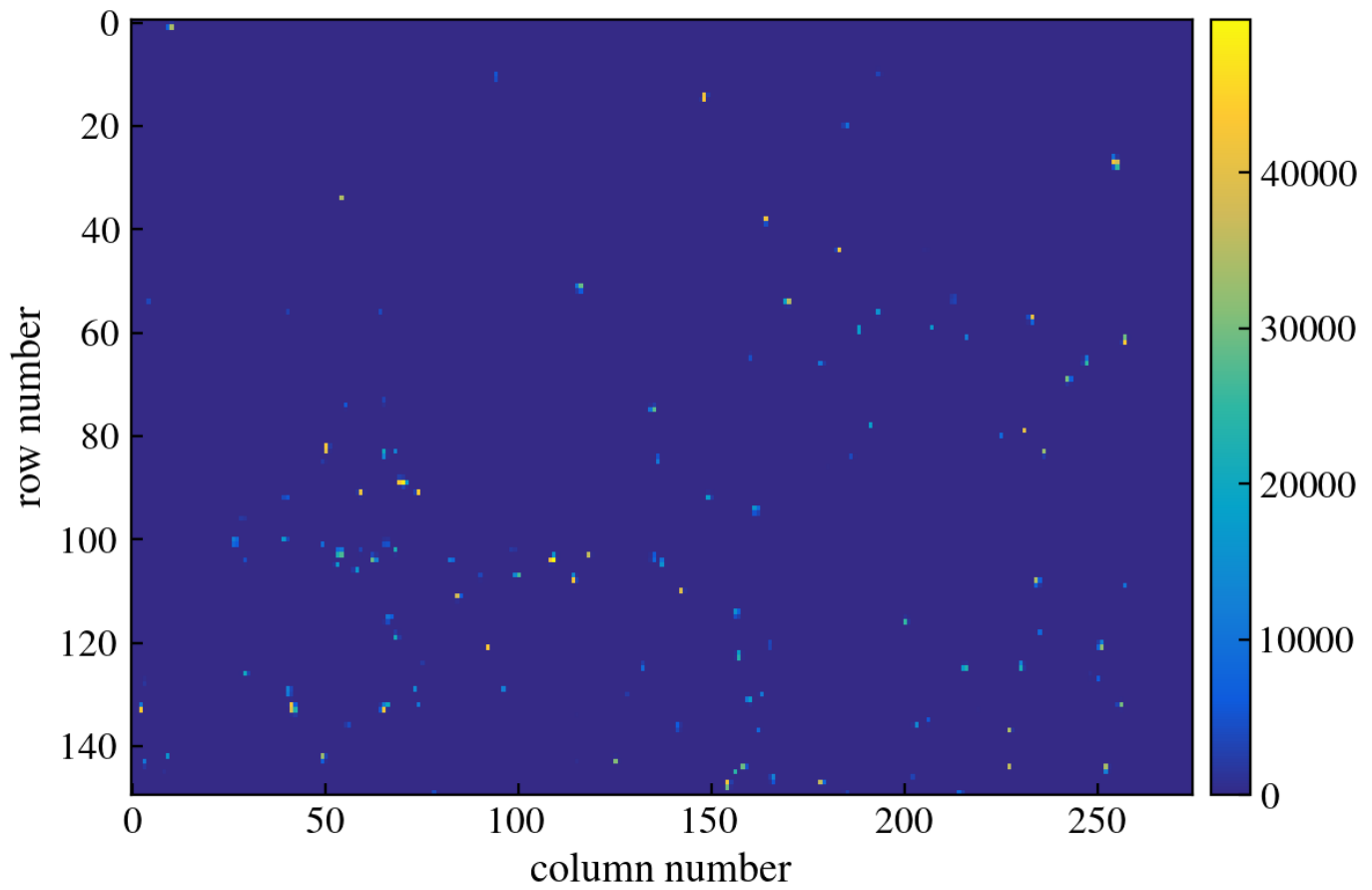


Figure 39: CCD Image

CCD Image: run 154, image 105  
[class MECCDImage]

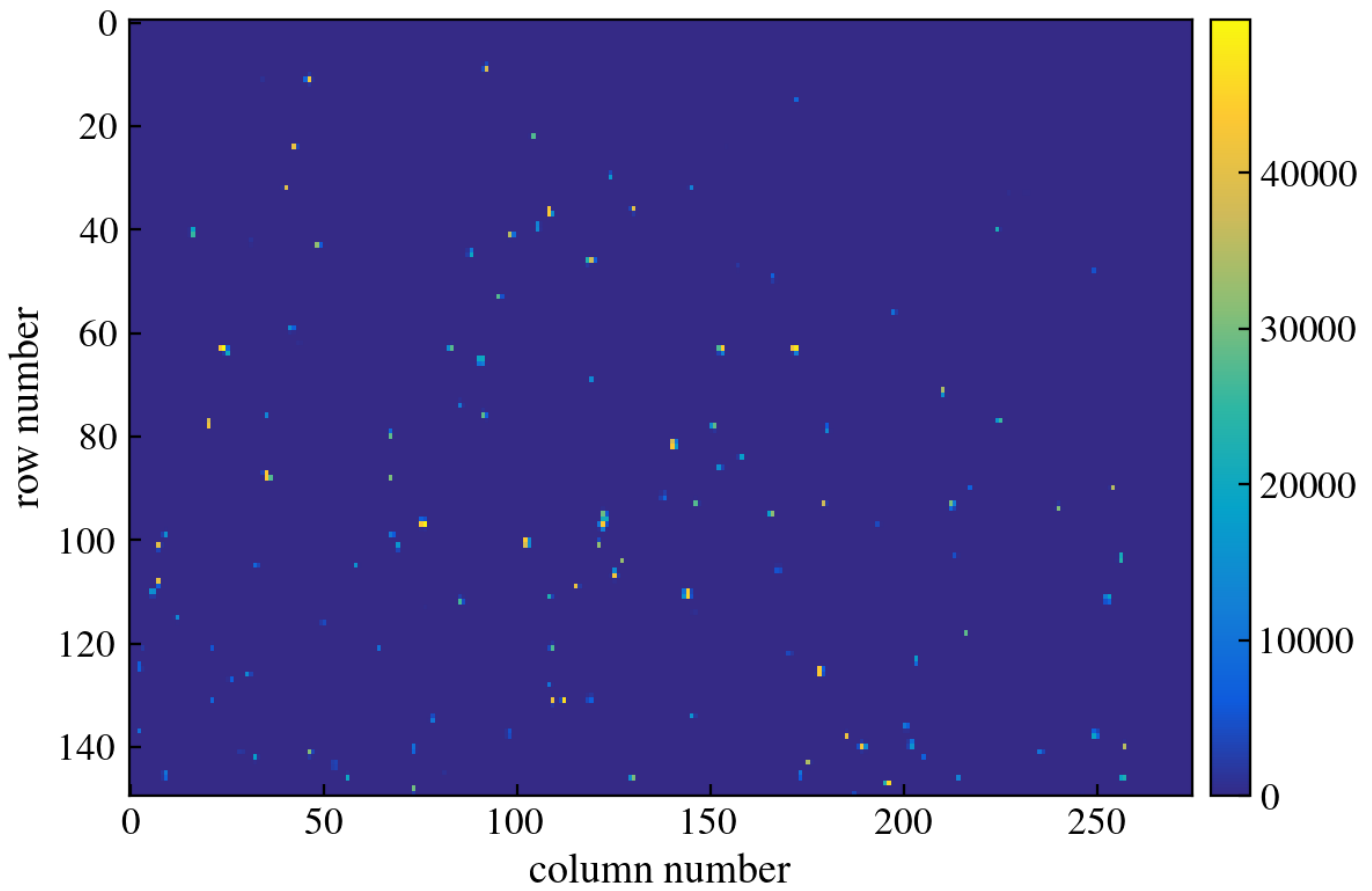


Figure 40: CCD Image

CCD Image: run 154, image 106  
[class MECCDImage]

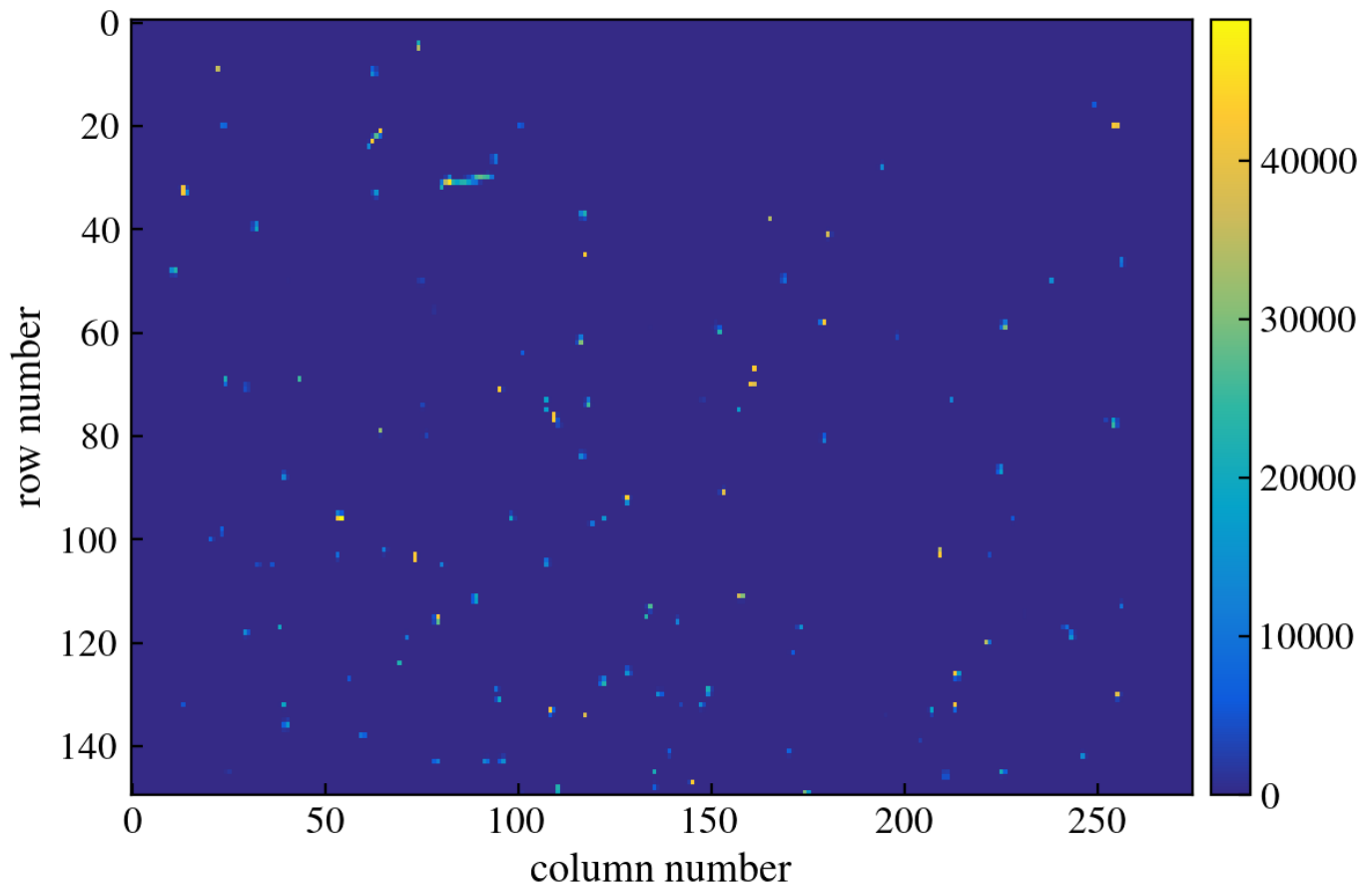


Figure 41: CCD Image

CCD Image: run 154, image 107  
[class MECCDImage]

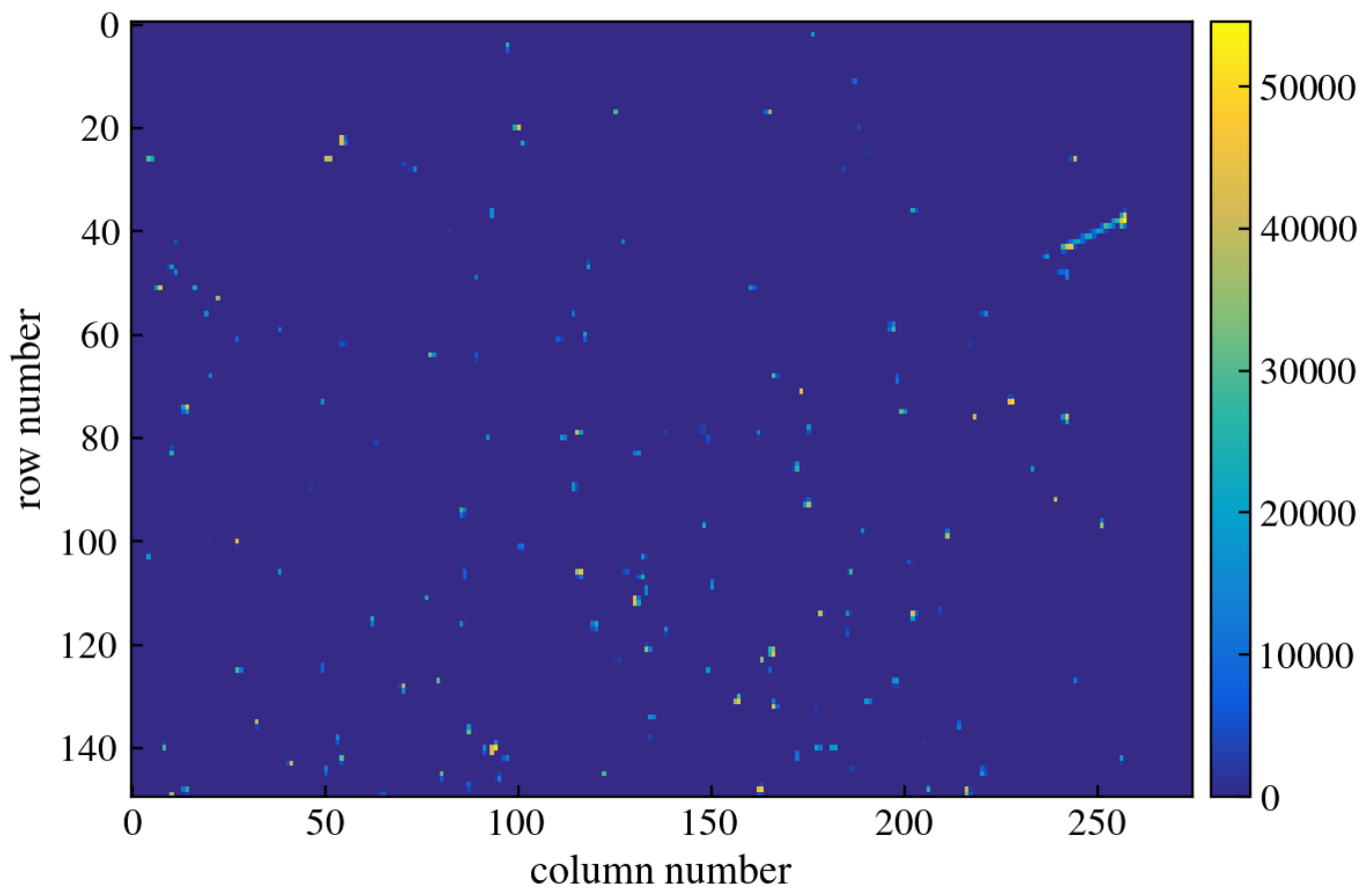


Figure 42: CCD Image

CCD Image: run 154, image 108  
[class MECCDImage]

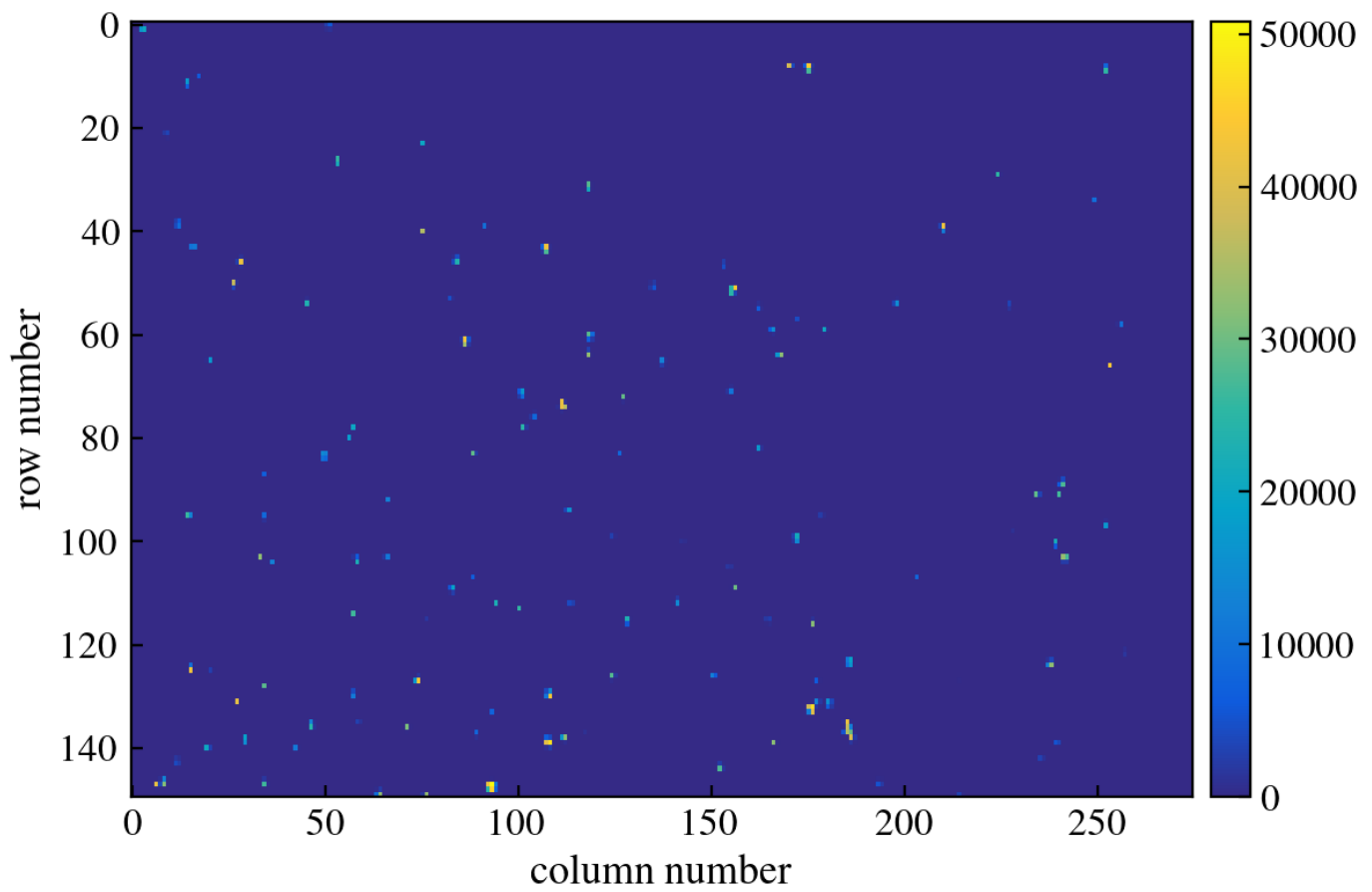


Figure 43: CCD Image



CCD Image: run 154, image 109  
[class MECCDImage]

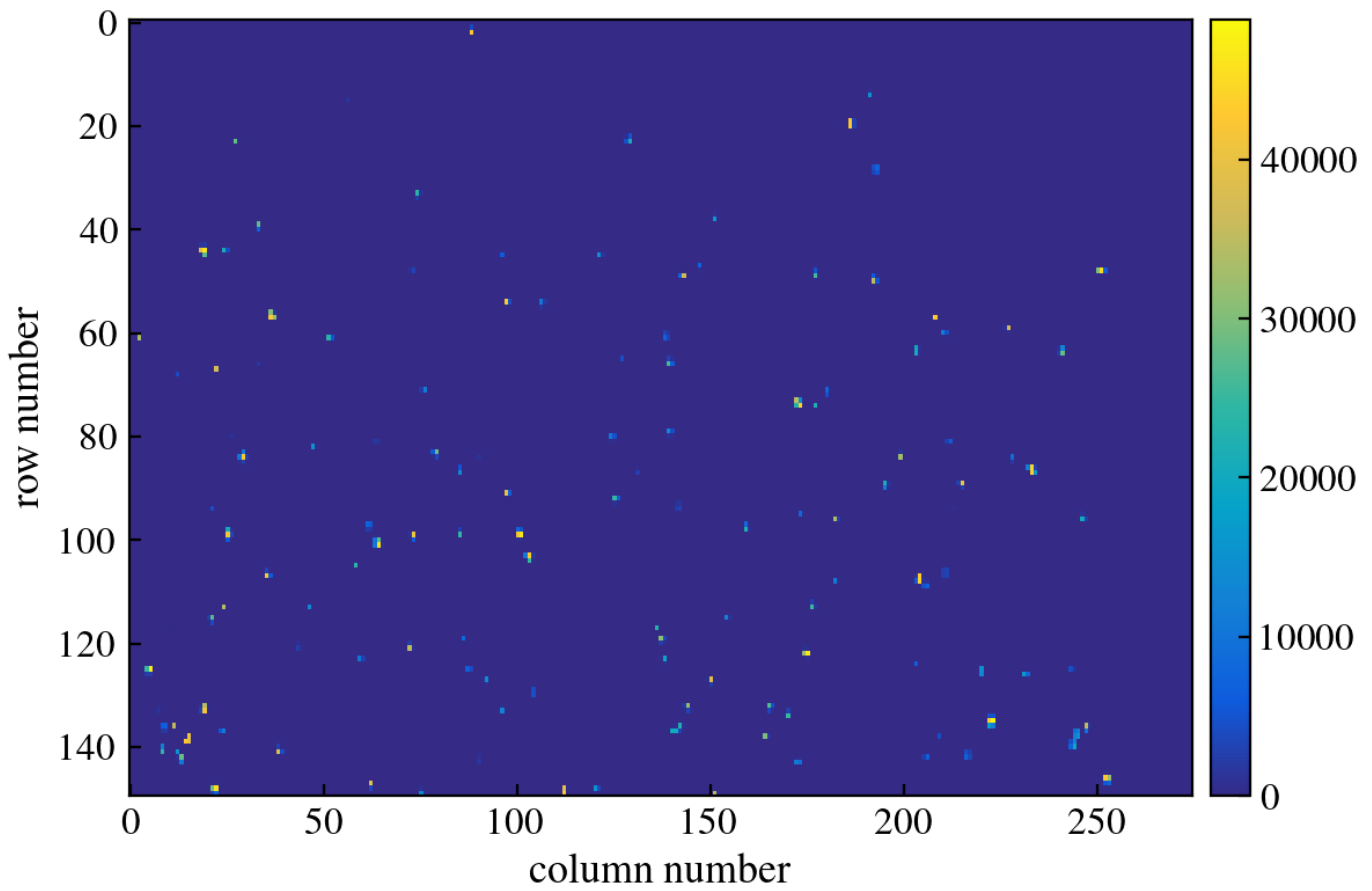


Figure 44: CCD Image

CCD Image: run 154, image 11  
[class MECCDImage]

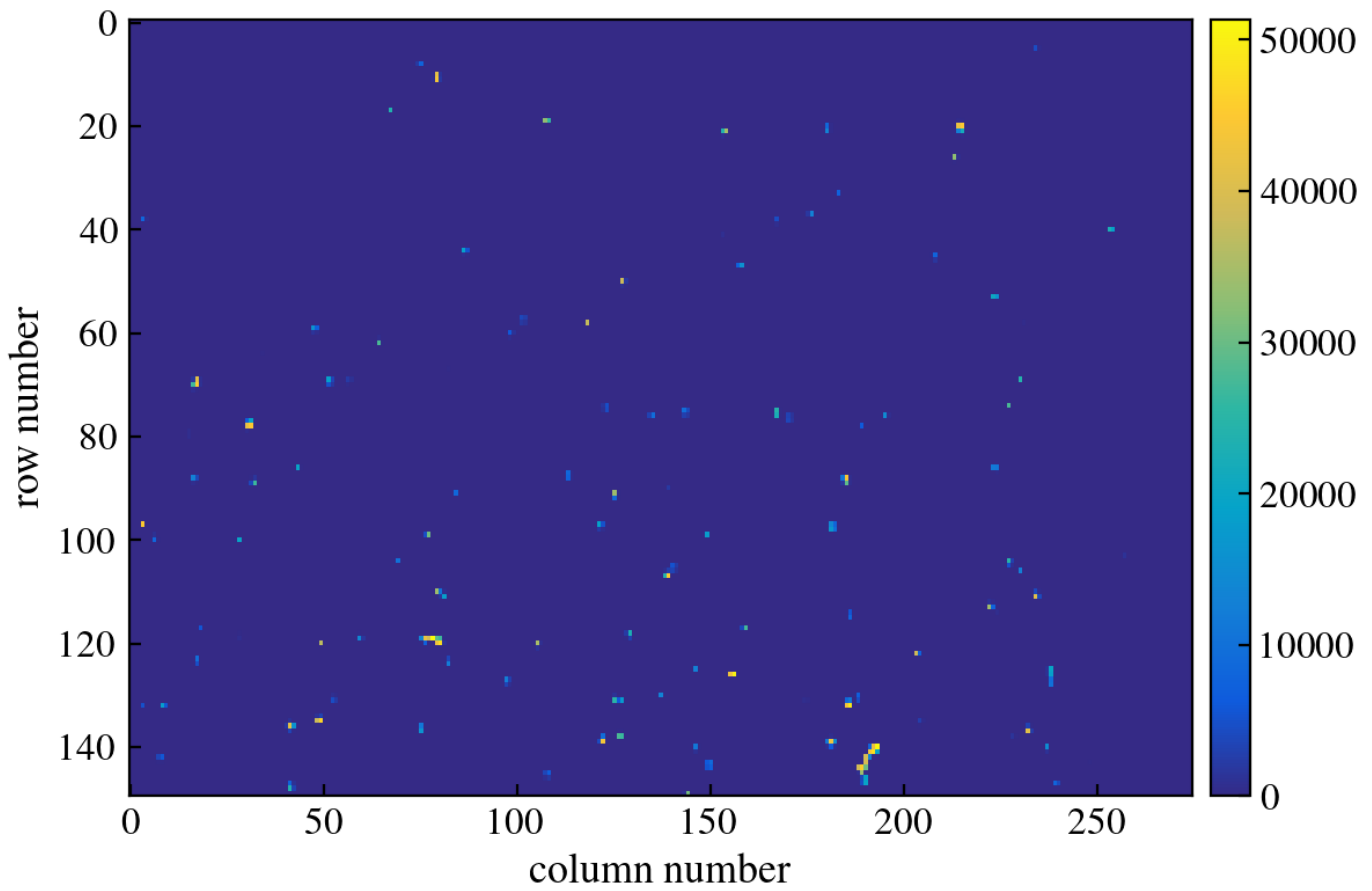


Figure 45: CCD Image

CCD Image: run 154, image 110  
[class MECCDImage]

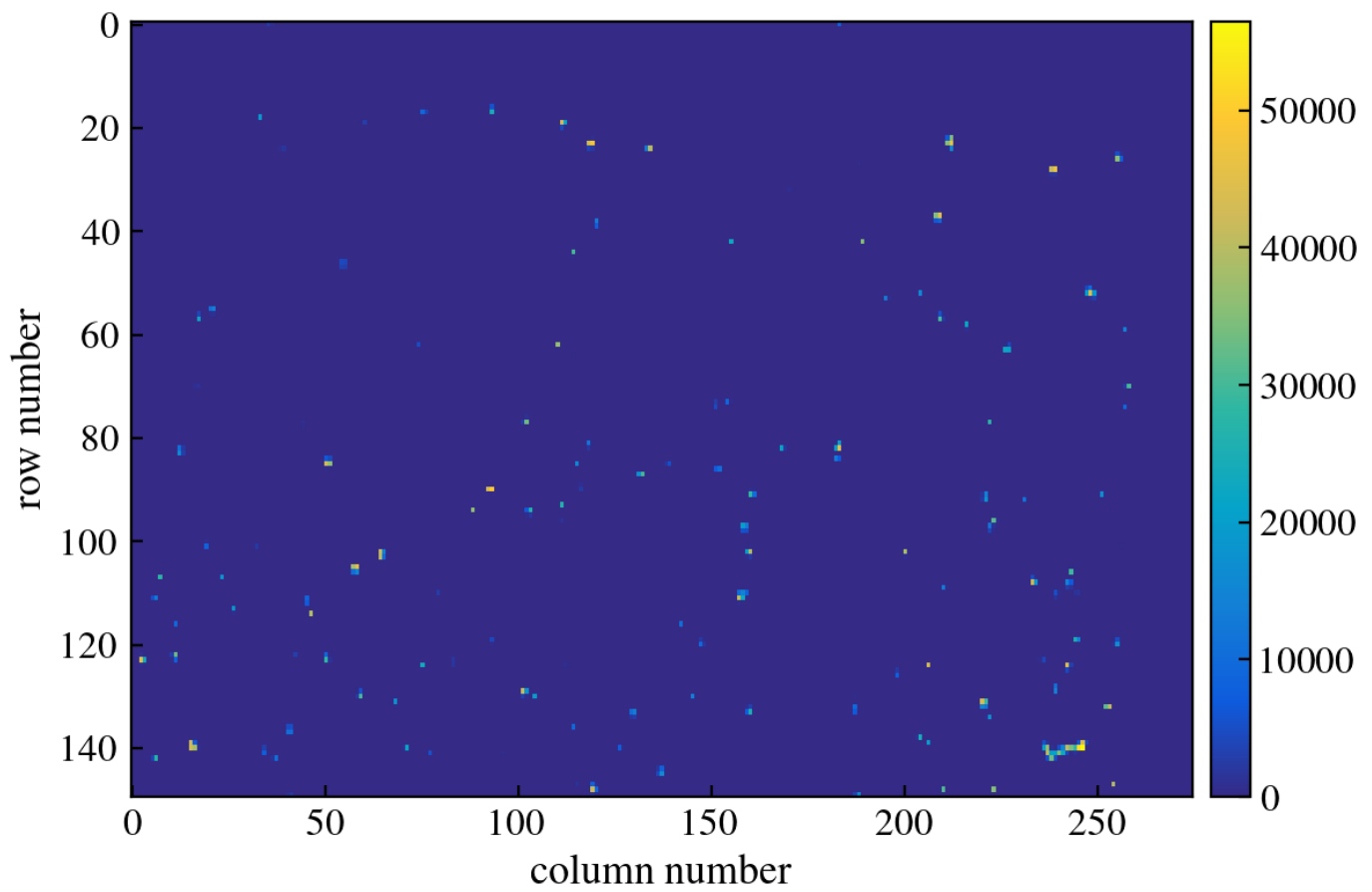


Figure 46: CCD Image

CCD Image: run 154, image 111  
[class MECCDImage]

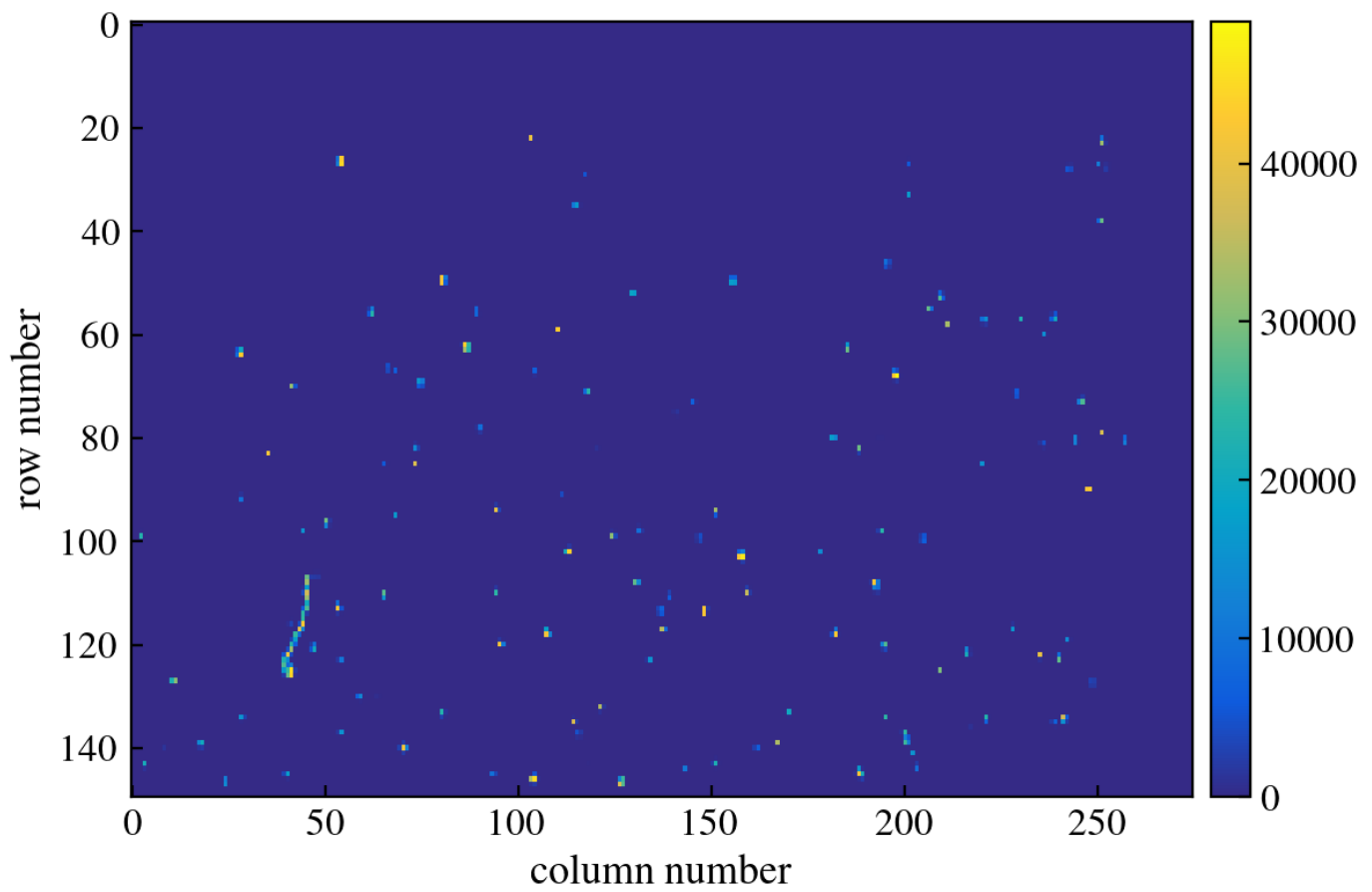


Figure 47: CCD Image

CCD Image: run 154, image 112  
[class MECCDImage]

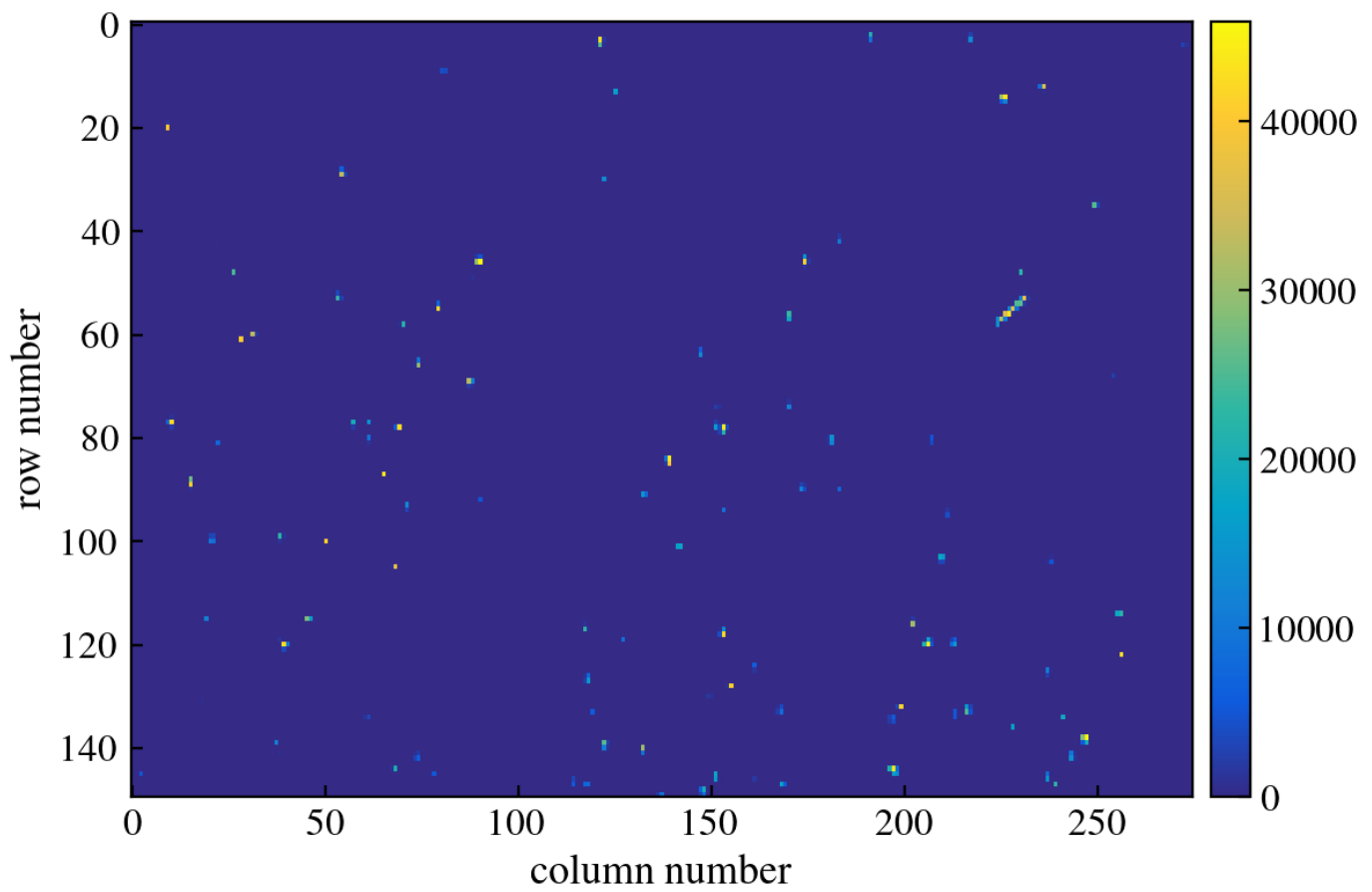


Figure 48: CCD Image

CCD Image: run 154, image 113  
[class MECCDImage]

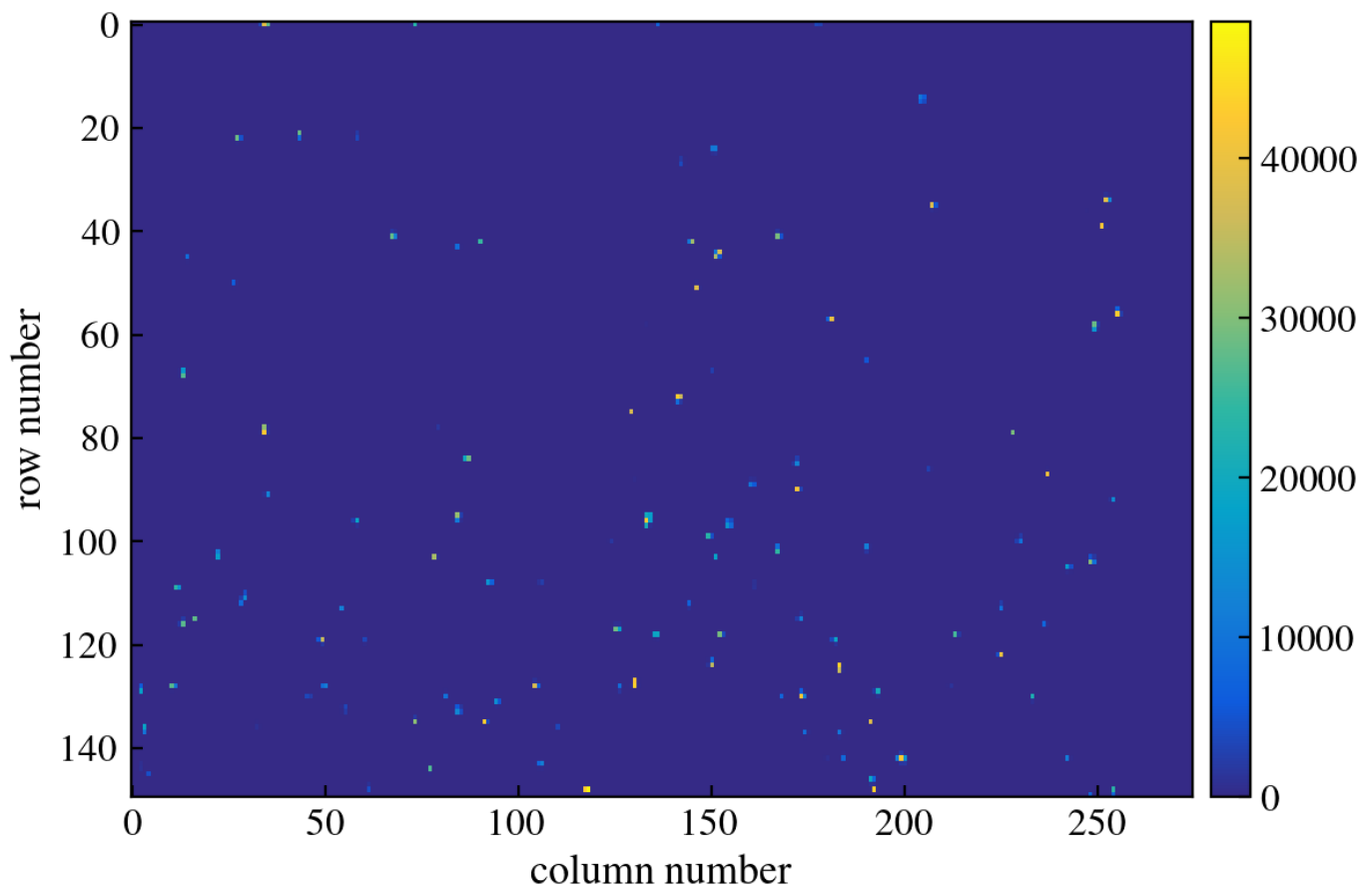


Figure 49: CCD Image

CCD Image: run 154, image 114  
[class MECCDImage]

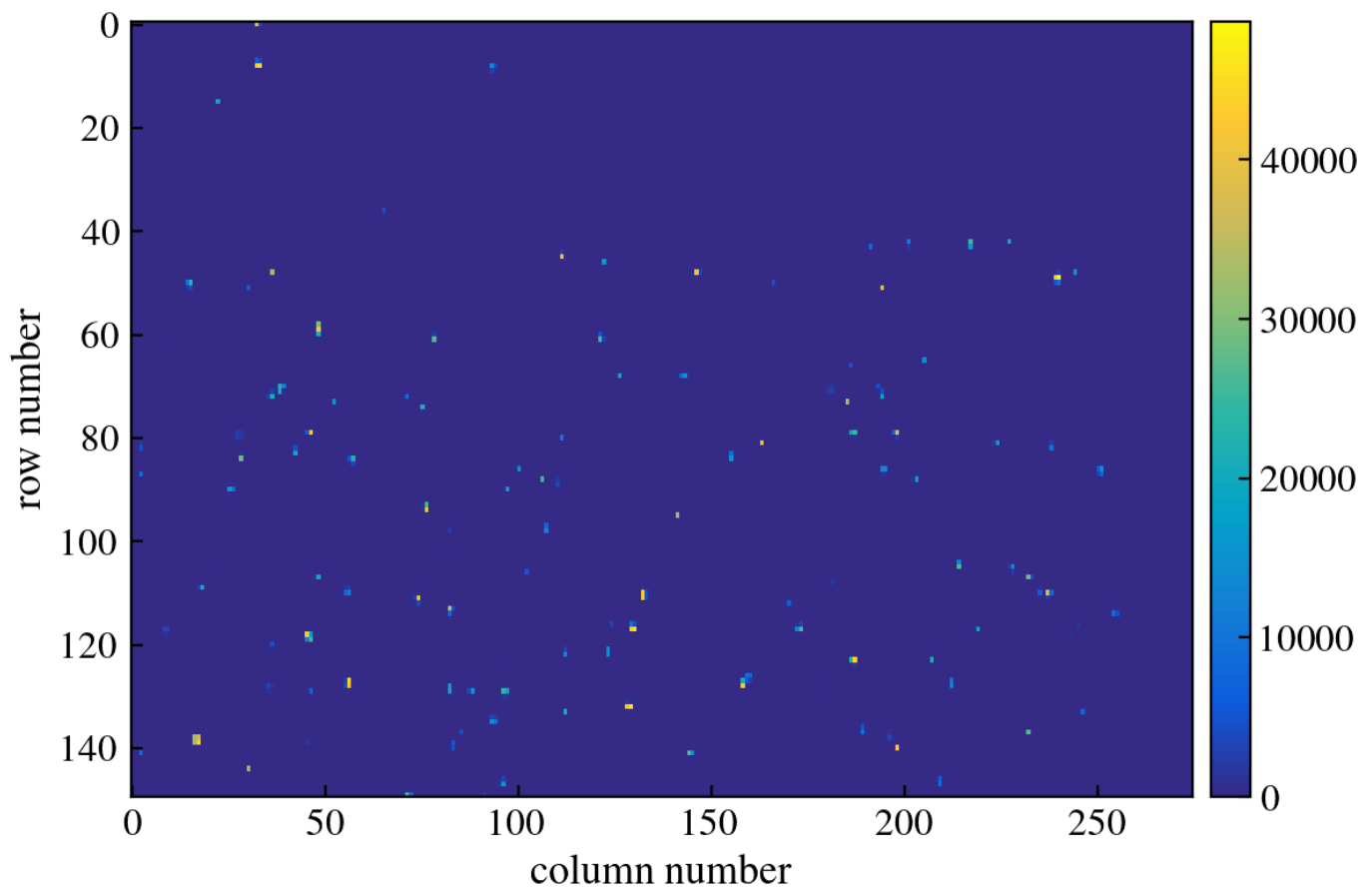


Figure 50: CCD Image

CCD Image: run 154, image 115  
[class MECCDImage]

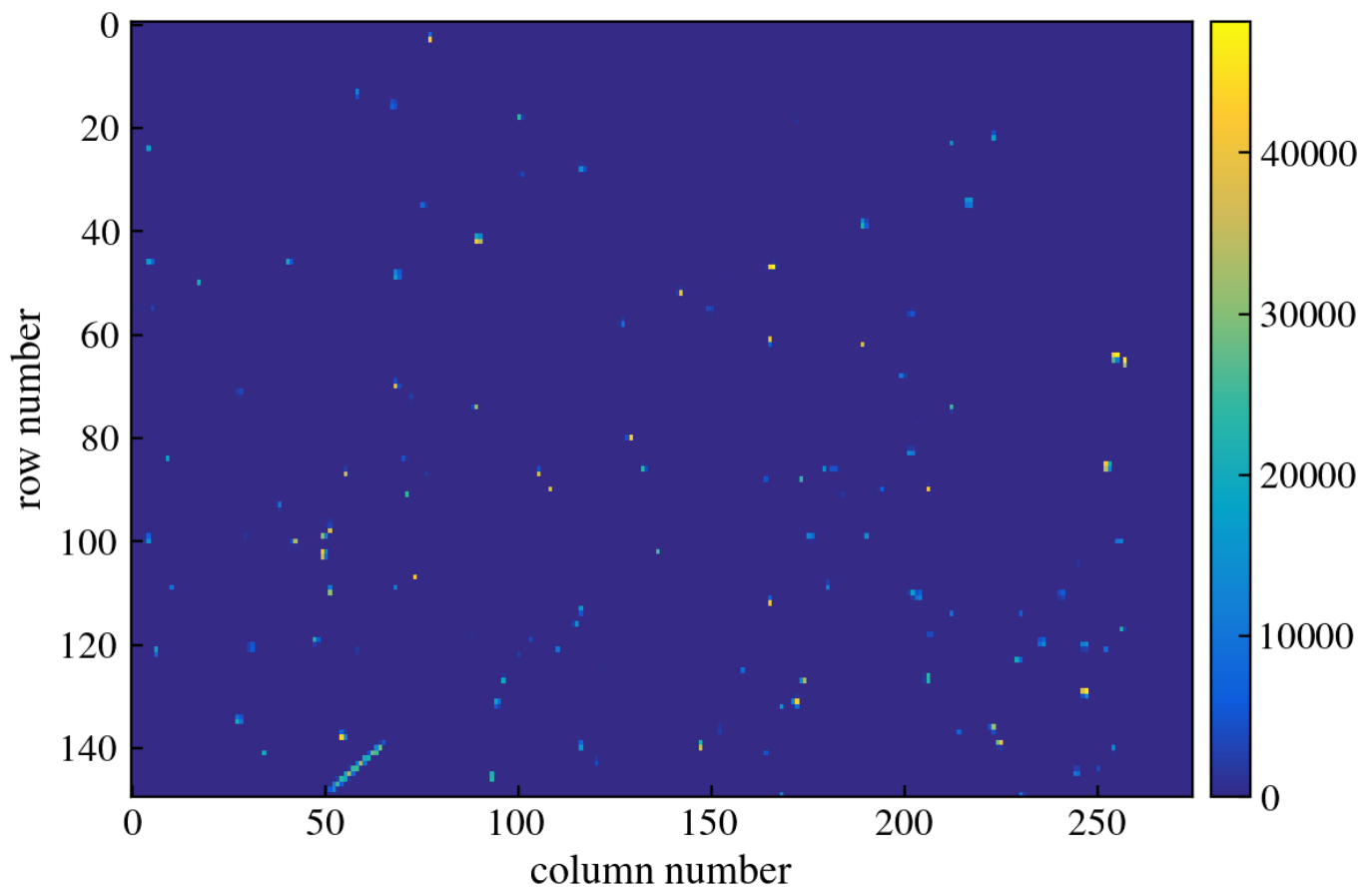


Figure 51: CCD Image



CCD Image: run 154, image 116  
[class MECCDImage]

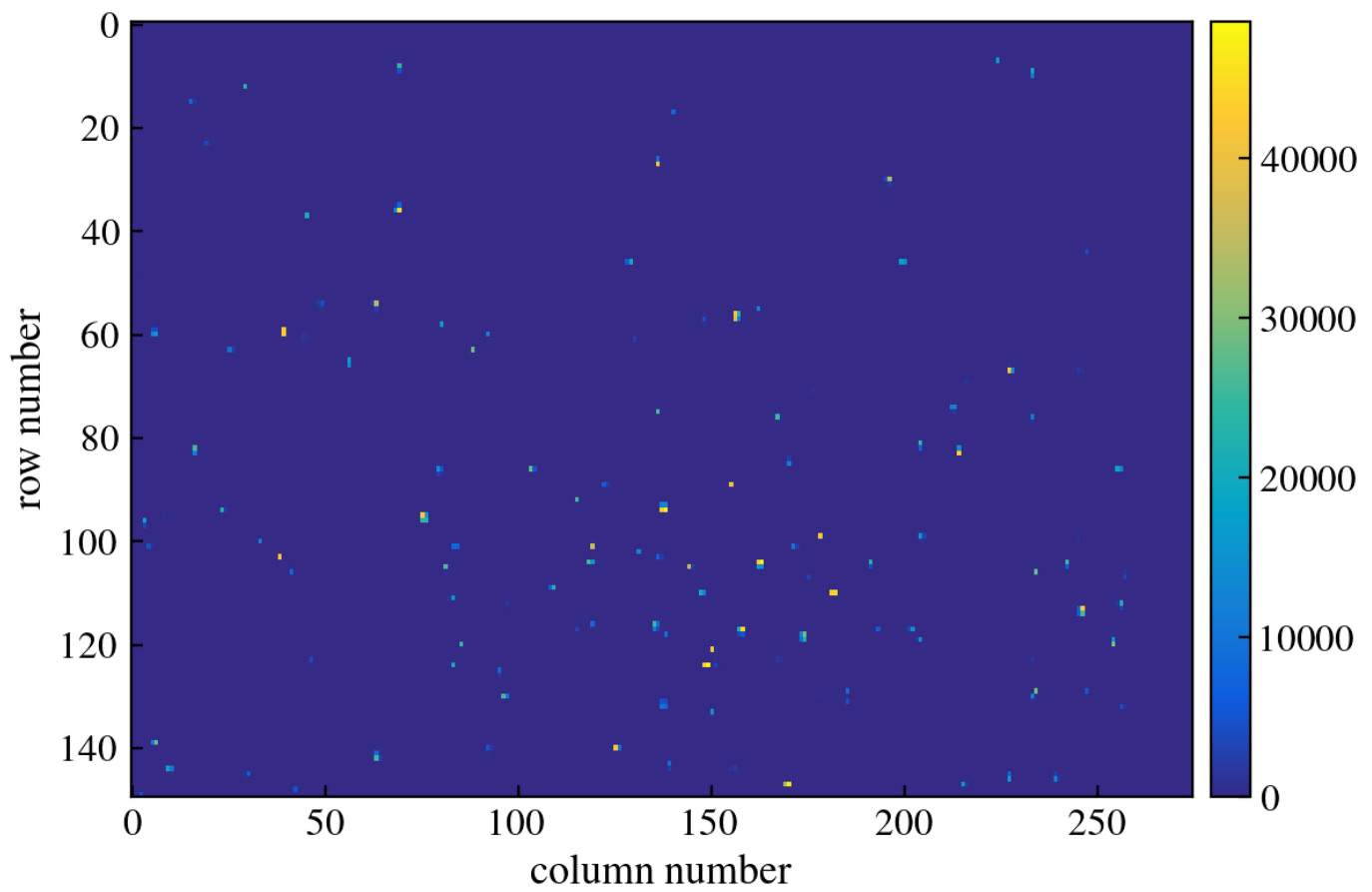


Figure 52: CCD Image

CCD Image: run 154, image 117  
[class MECCDImage]

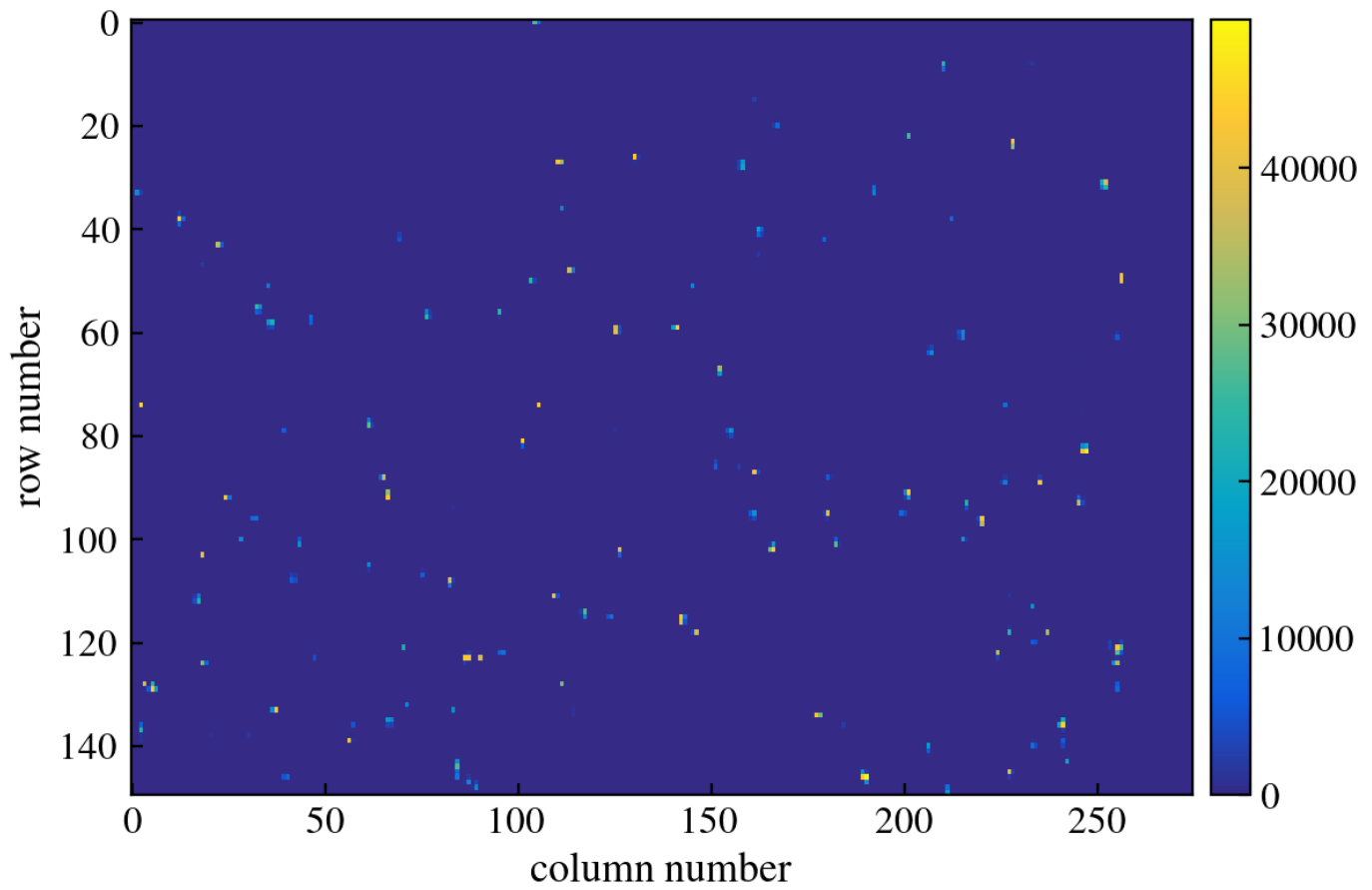


Figure 53: CCD Image

CCD Image: run 154, image 118  
[class MECCDImage]

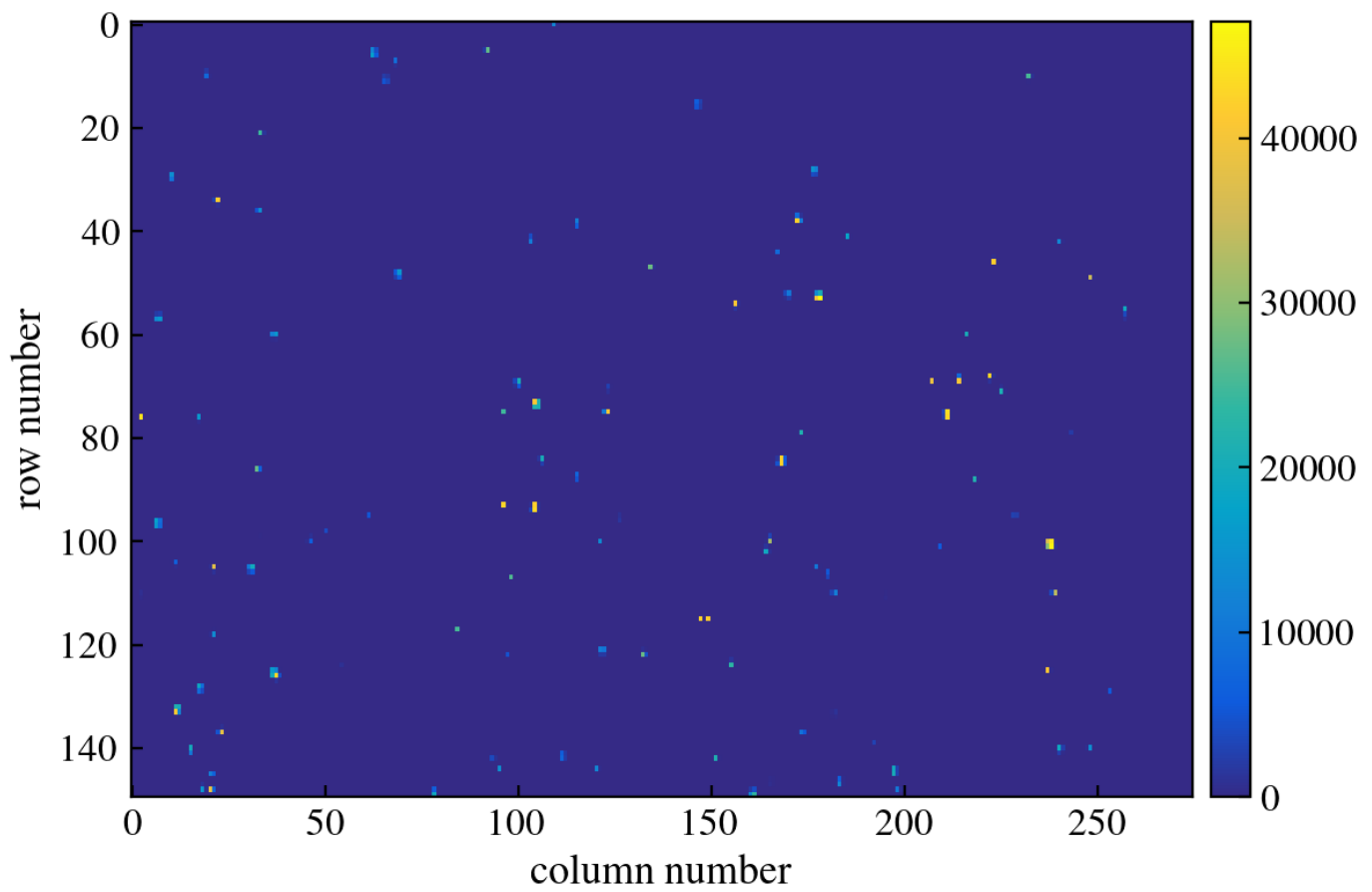


Figure 54: CCD Image

CCD Image: run 154, image 119  
[class MECCDImage]

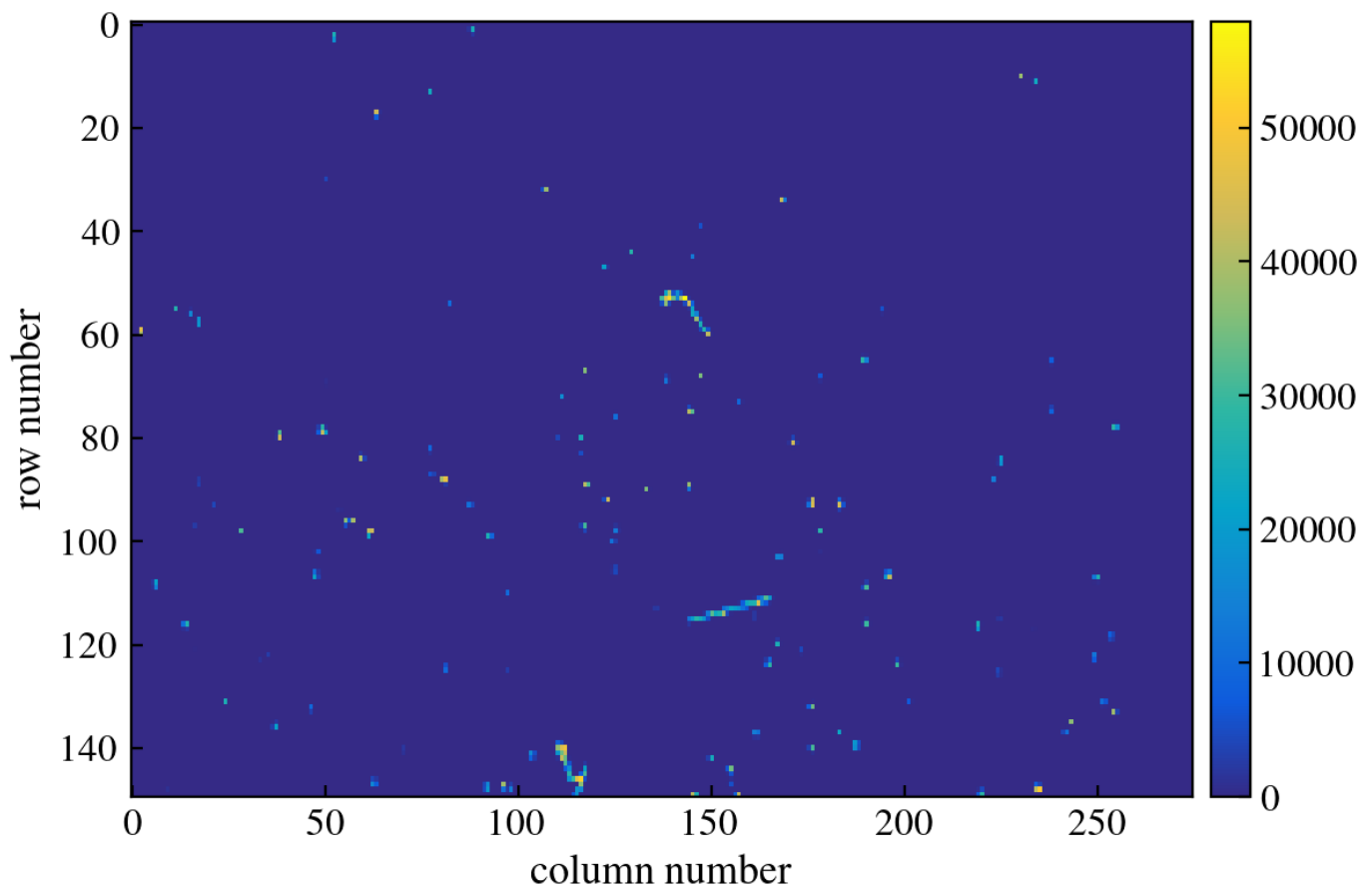


Figure 55: CCD Image

CCD Image: run 154, image 12  
[class MECCDImage]

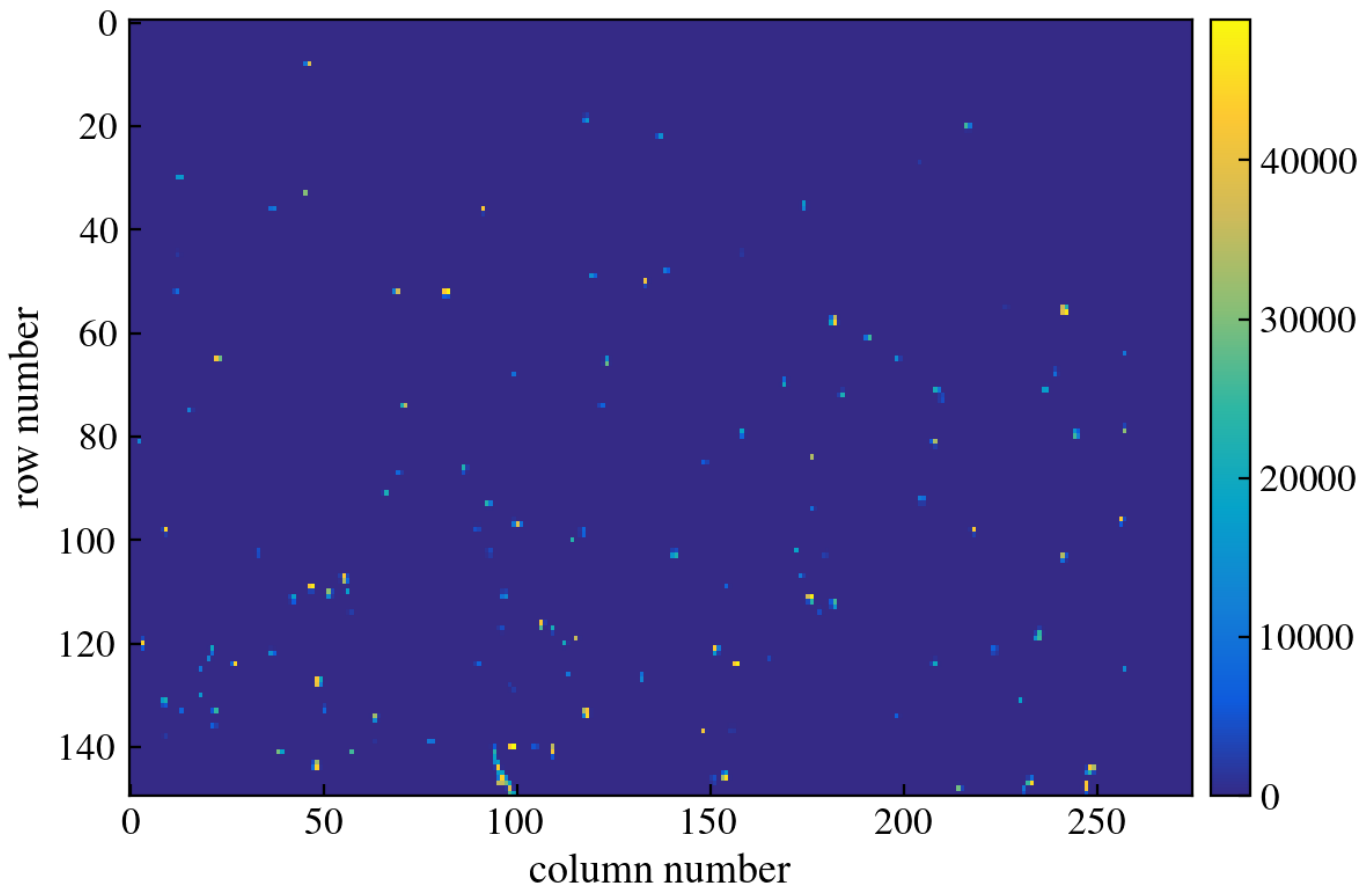


Figure 56: CCD Image

CCD Image: run 154, image 120  
[class MECCDImage]

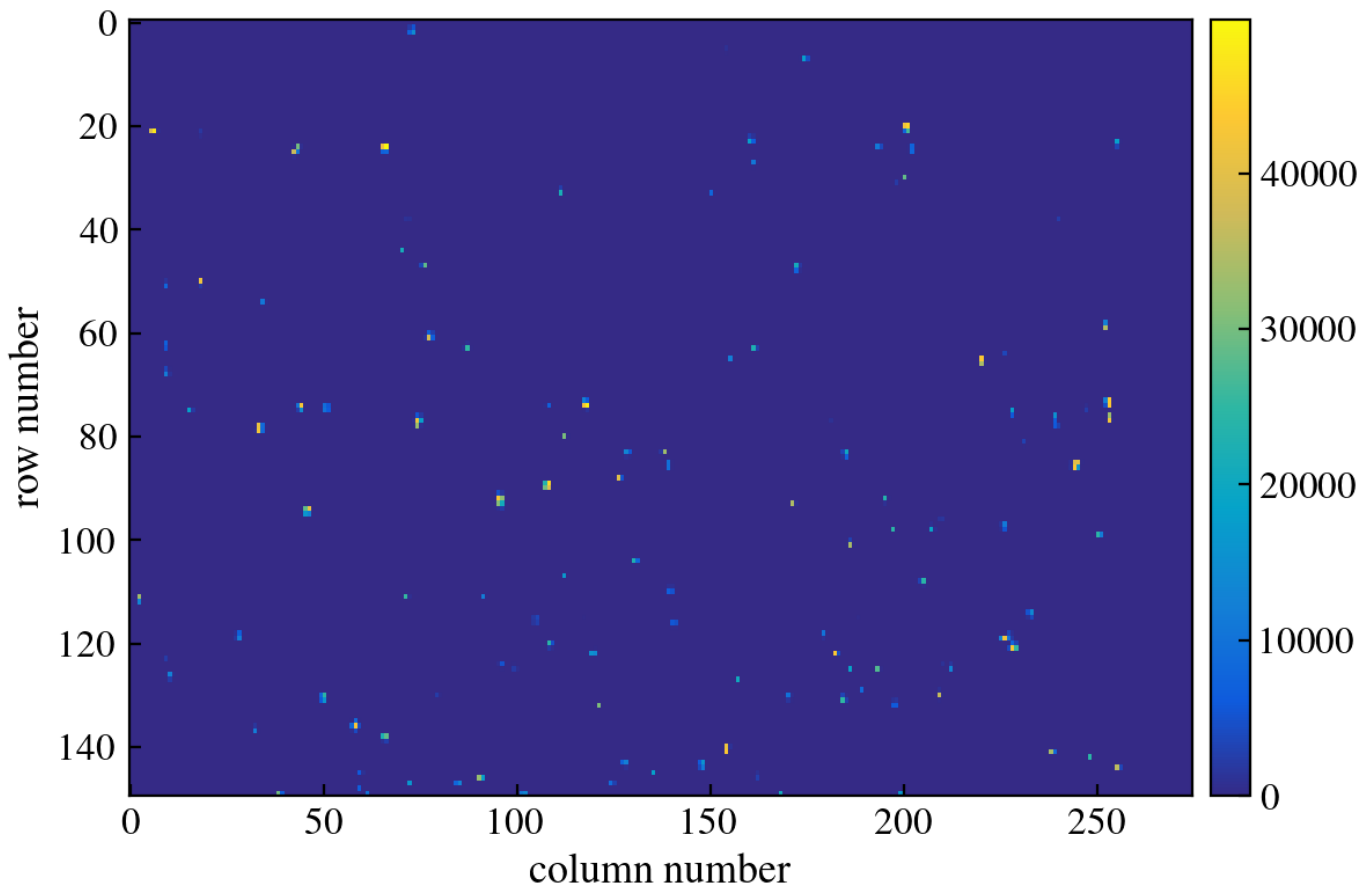


Figure 57: CCD Image

CCD Image: run 154, image 121  
[class MECCDImage]

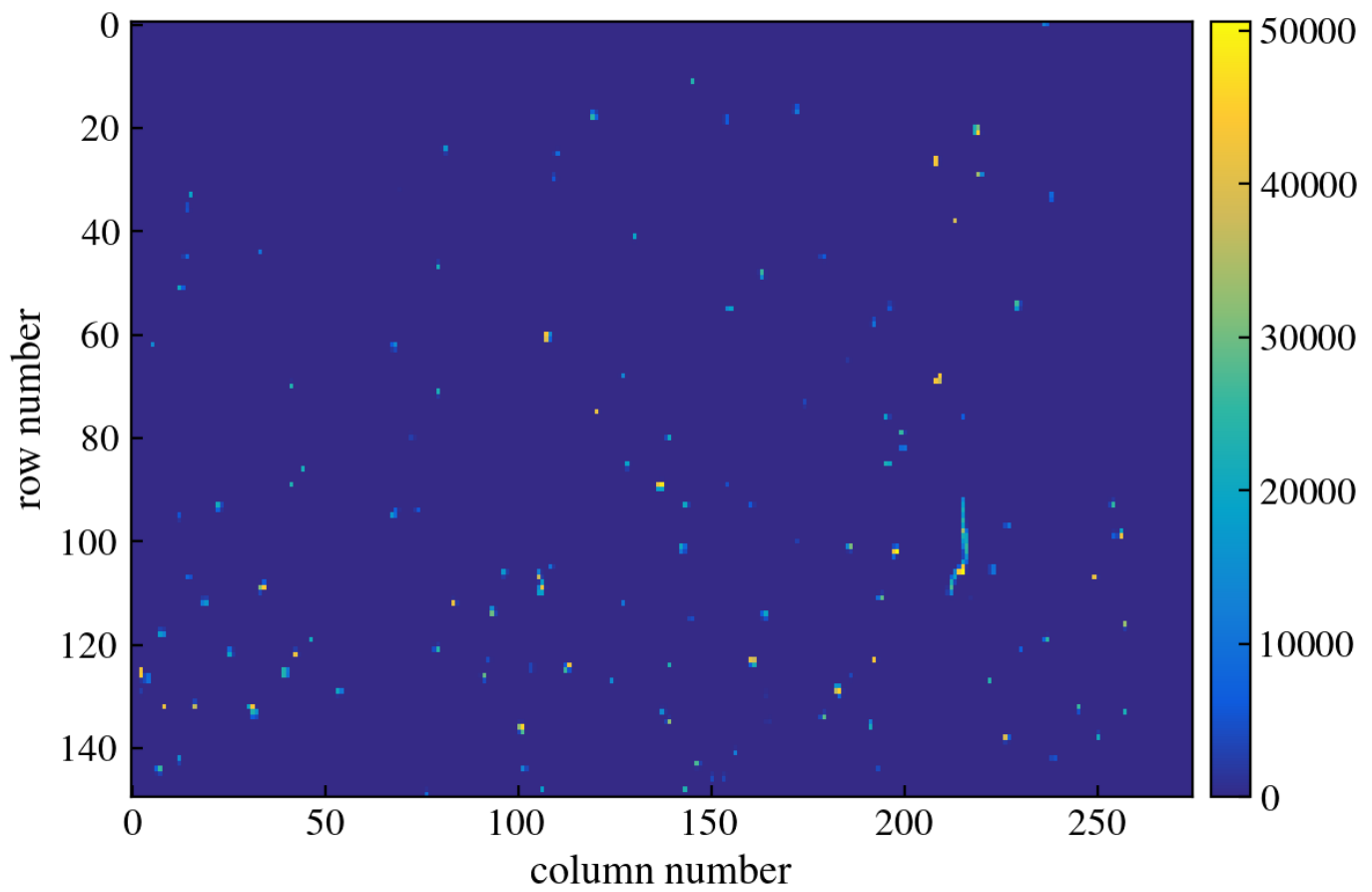


Figure 58: CCD Image

CCD Image: run 154, image 122  
[class MECCDImage]

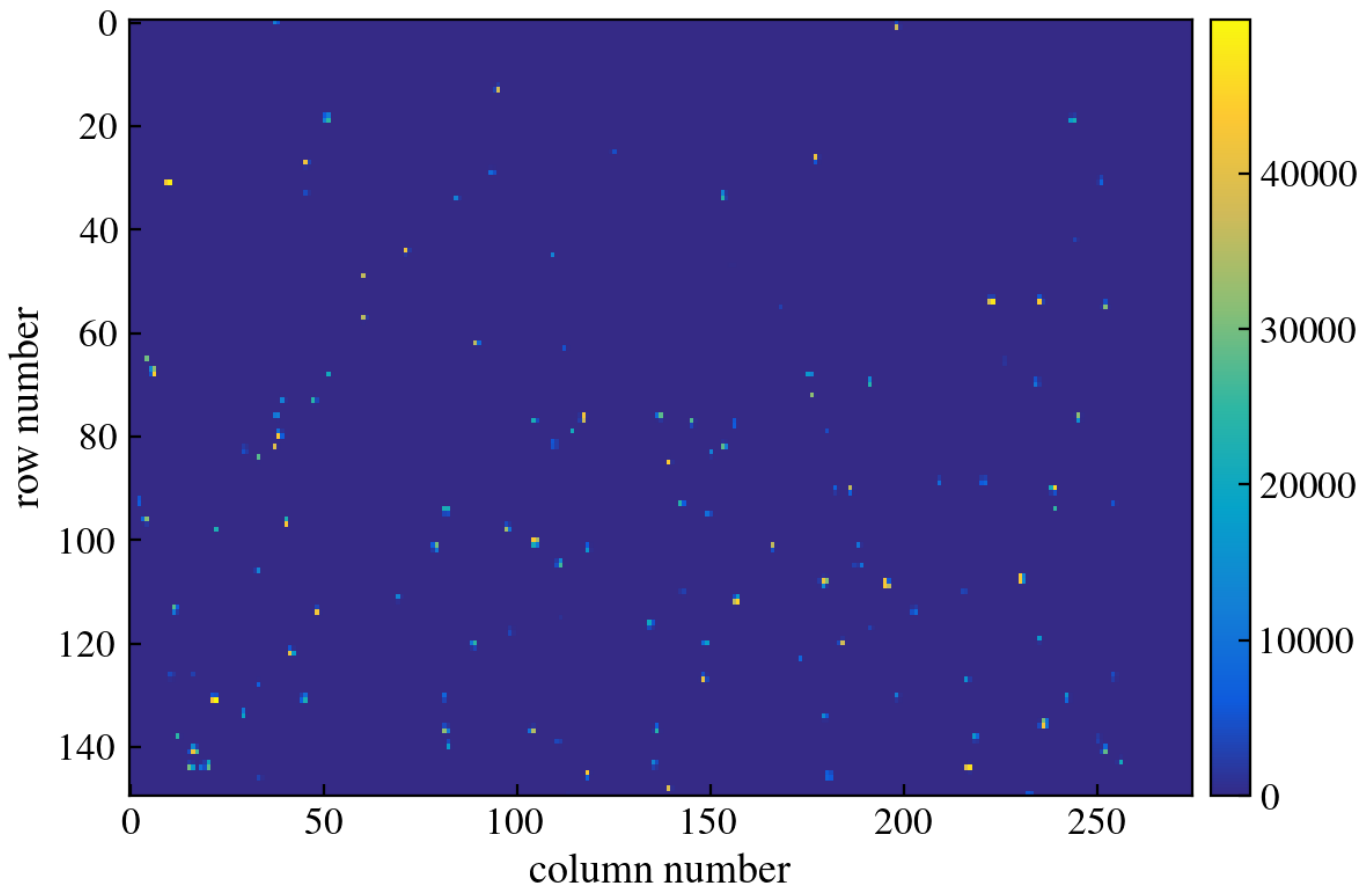


Figure 59: CCD Image



CCD Image: run 154, image 123  
[class MECCDImage]

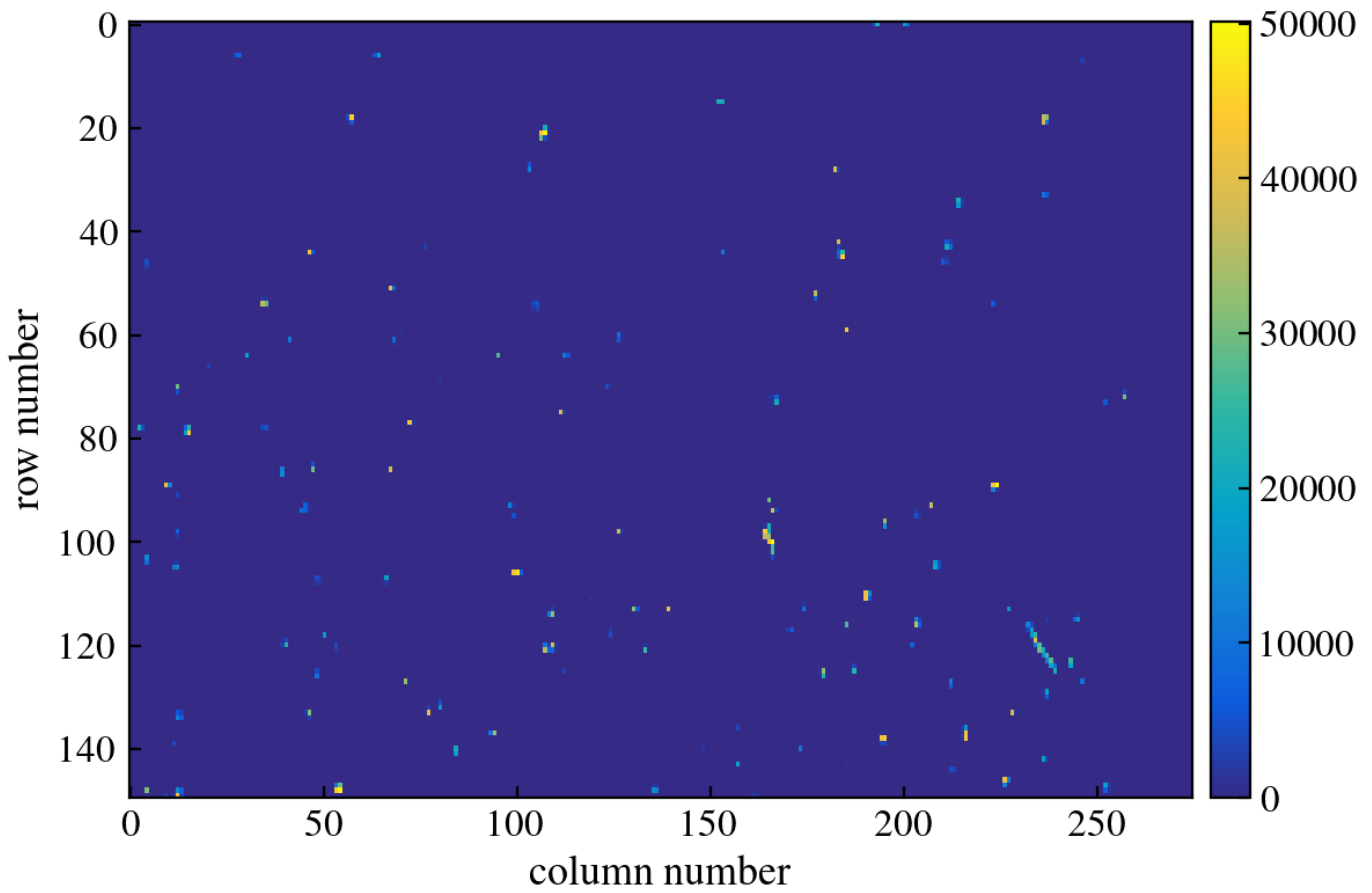


Figure 60: CCD Image

CCD Image: run 154, image 124  
[class MECCDImage]

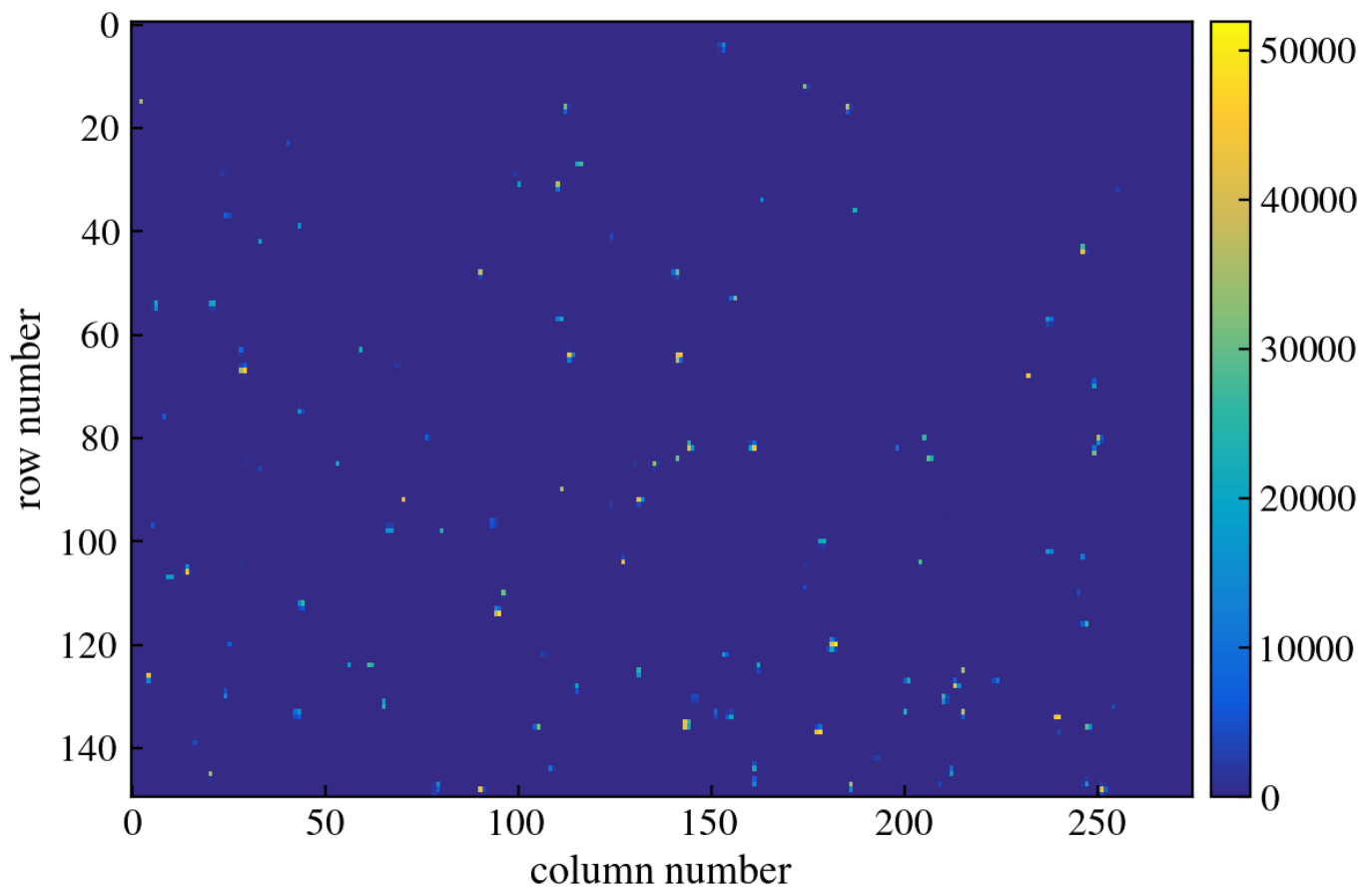


Figure 61: CCD Image

CCD Image: run 154, image 125  
[class MECCDImage]

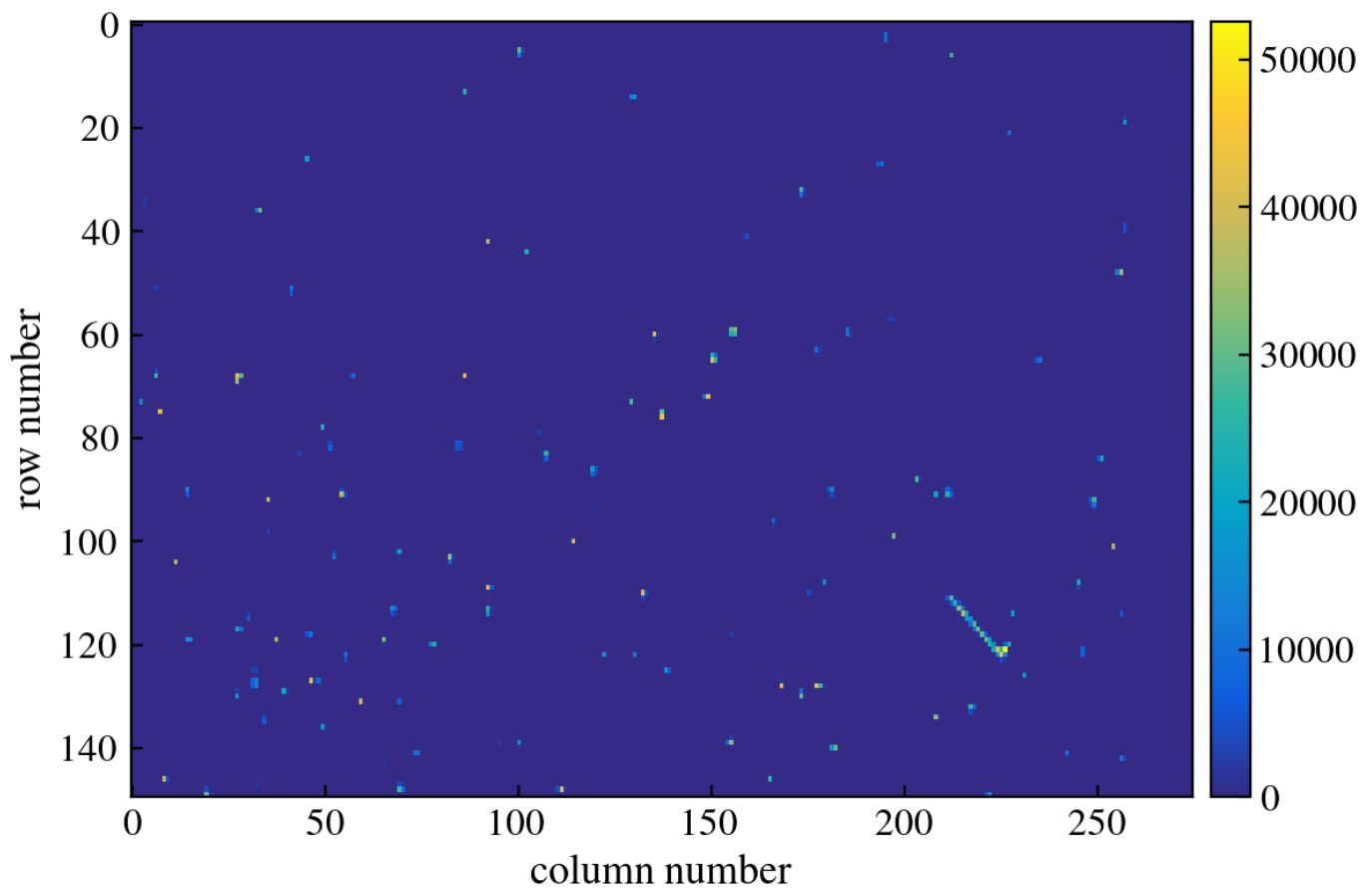


Figure 62: CCD Image

CCD Image: run 154, image 126  
[class MECCDImage]

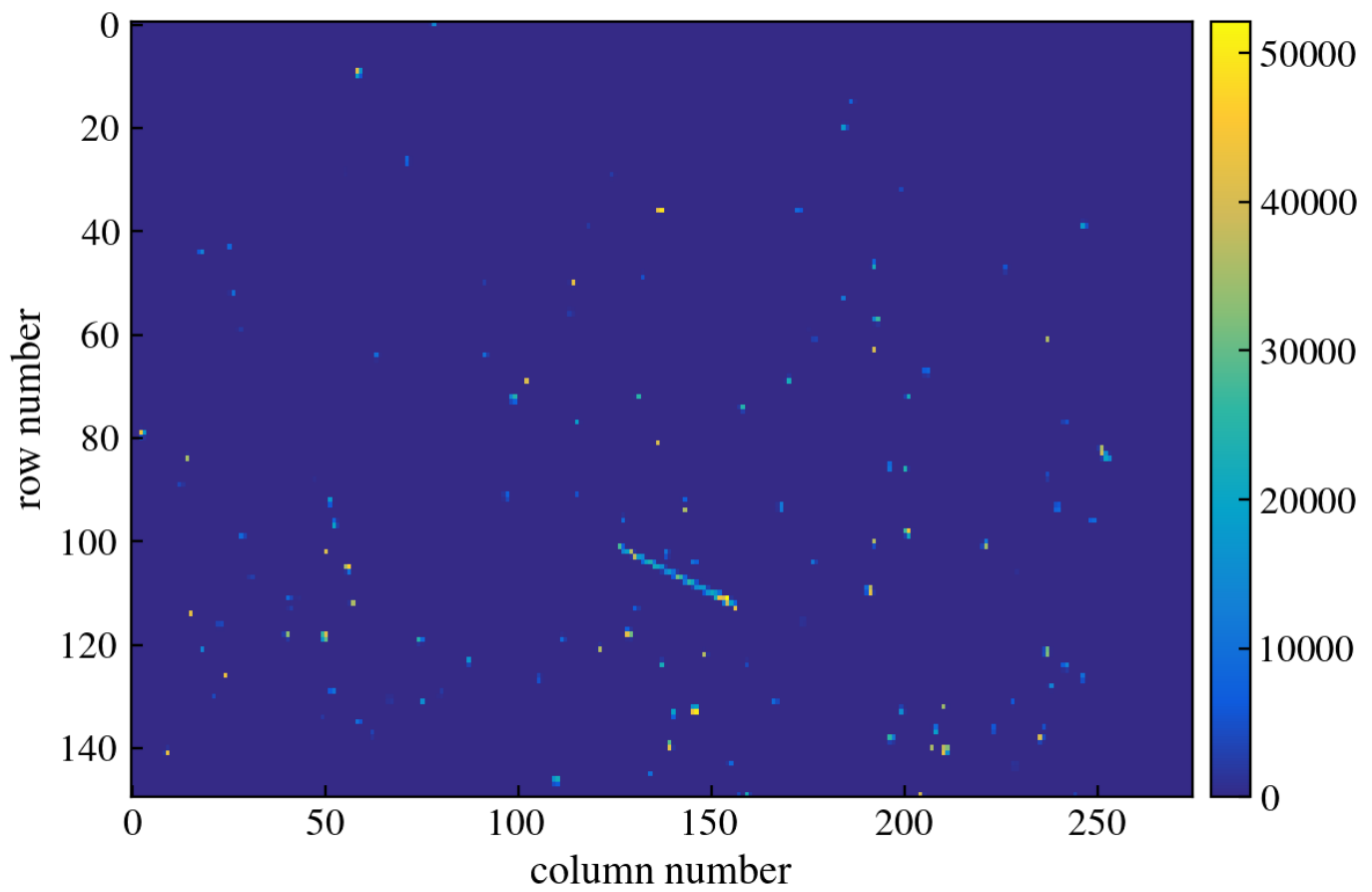


Figure 63: CCD Image

CCD Image: run 154, image 127  
[class MECCDImage]

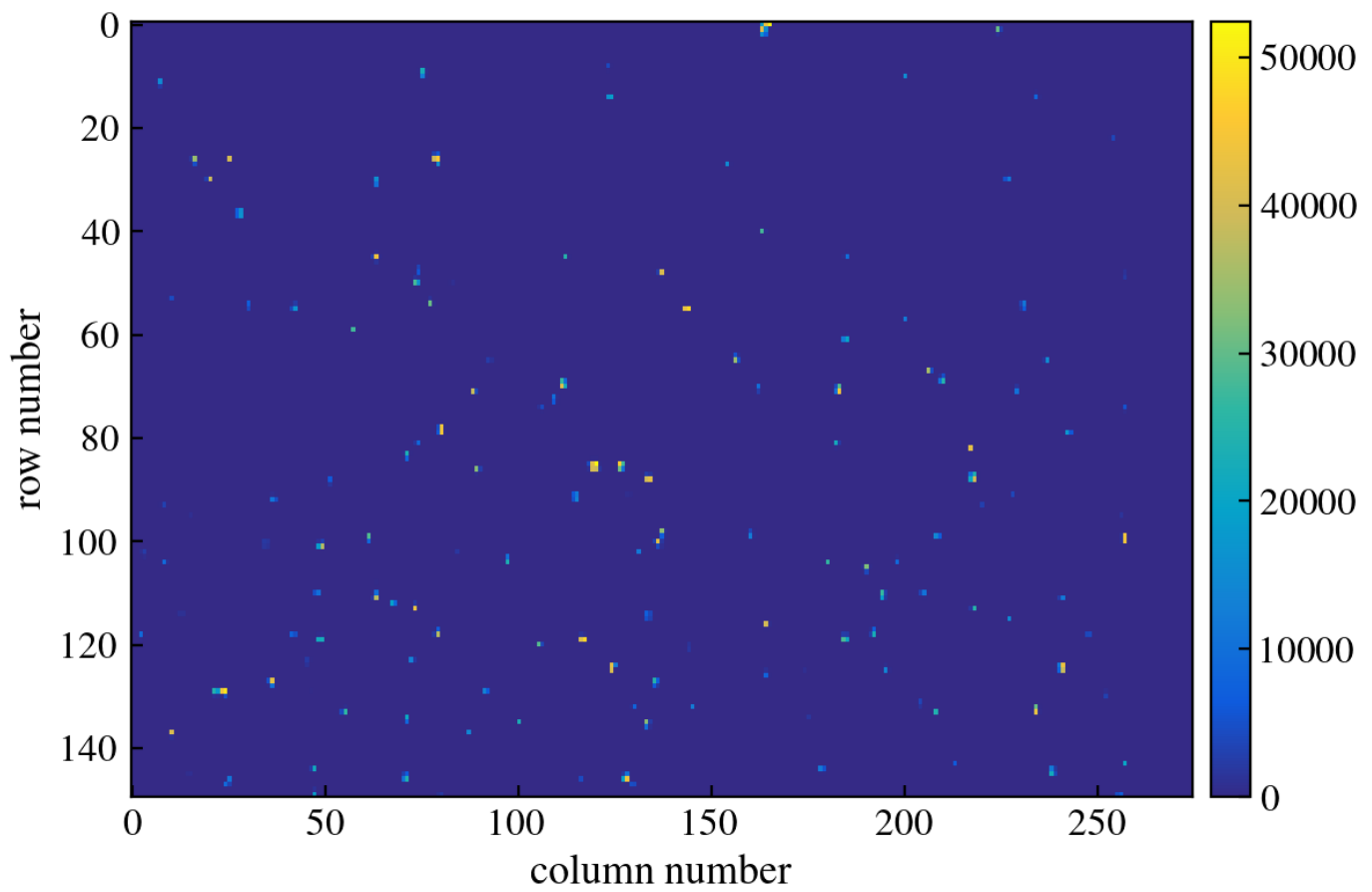


Figure 64: CCD Image

CCD Image: run 154, image 128  
[class MECCDImage]

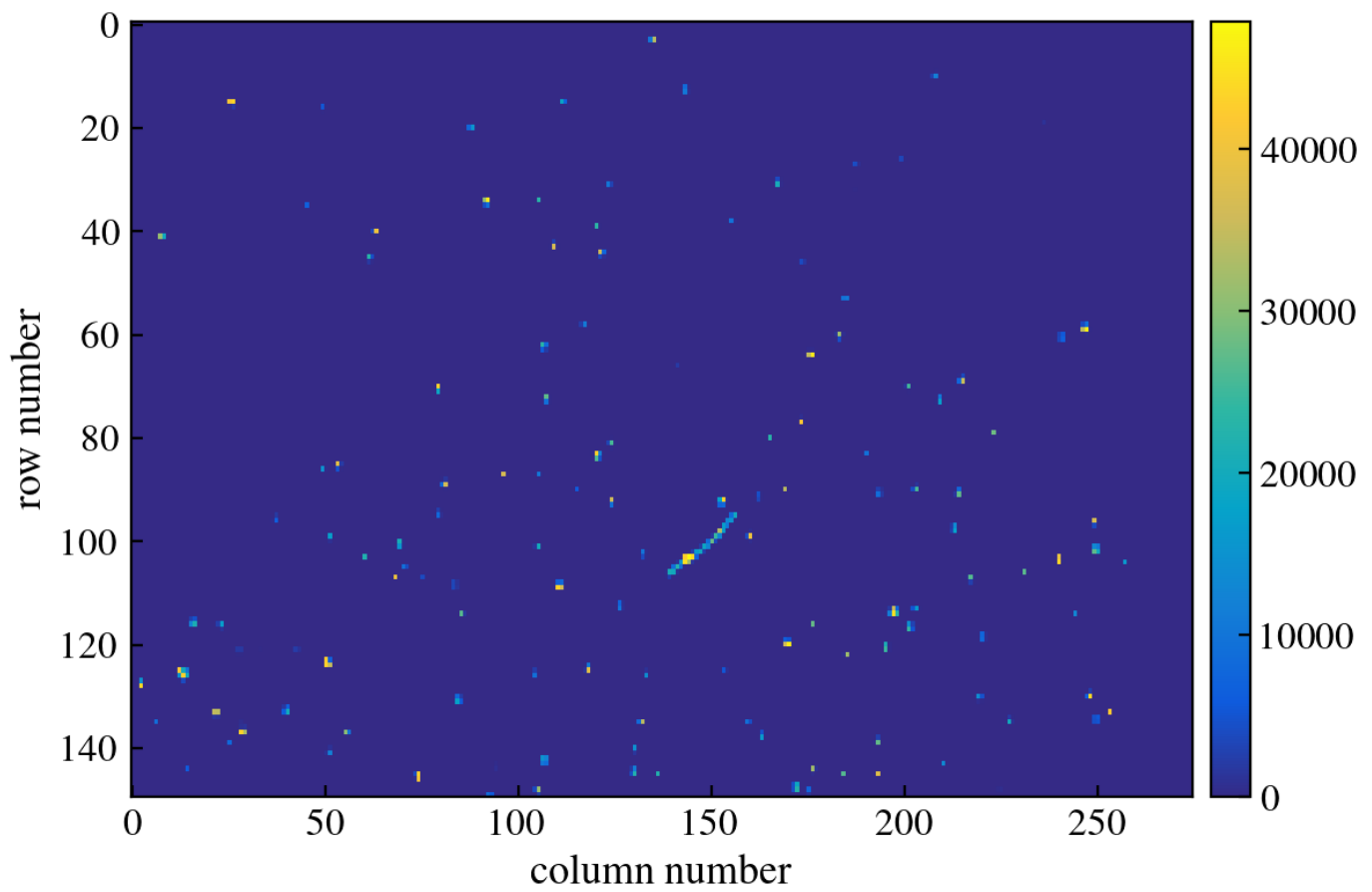


Figure 65: CCD Image

CCD Image: run 154, image 129  
[class MECCDImage]

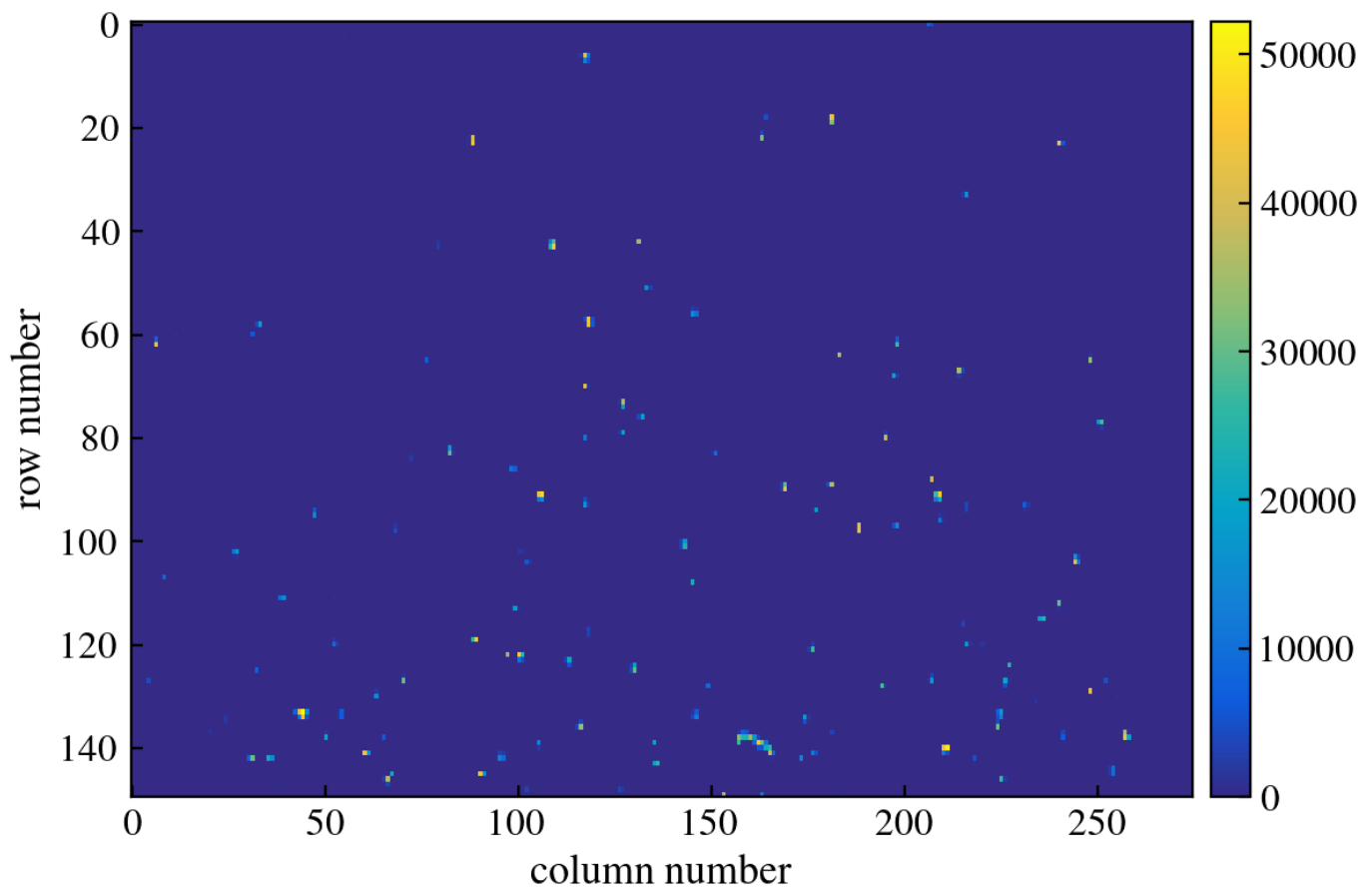


Figure 66: CCD Image

CCD Image: run 154, image 13  
[class MECCDImage]

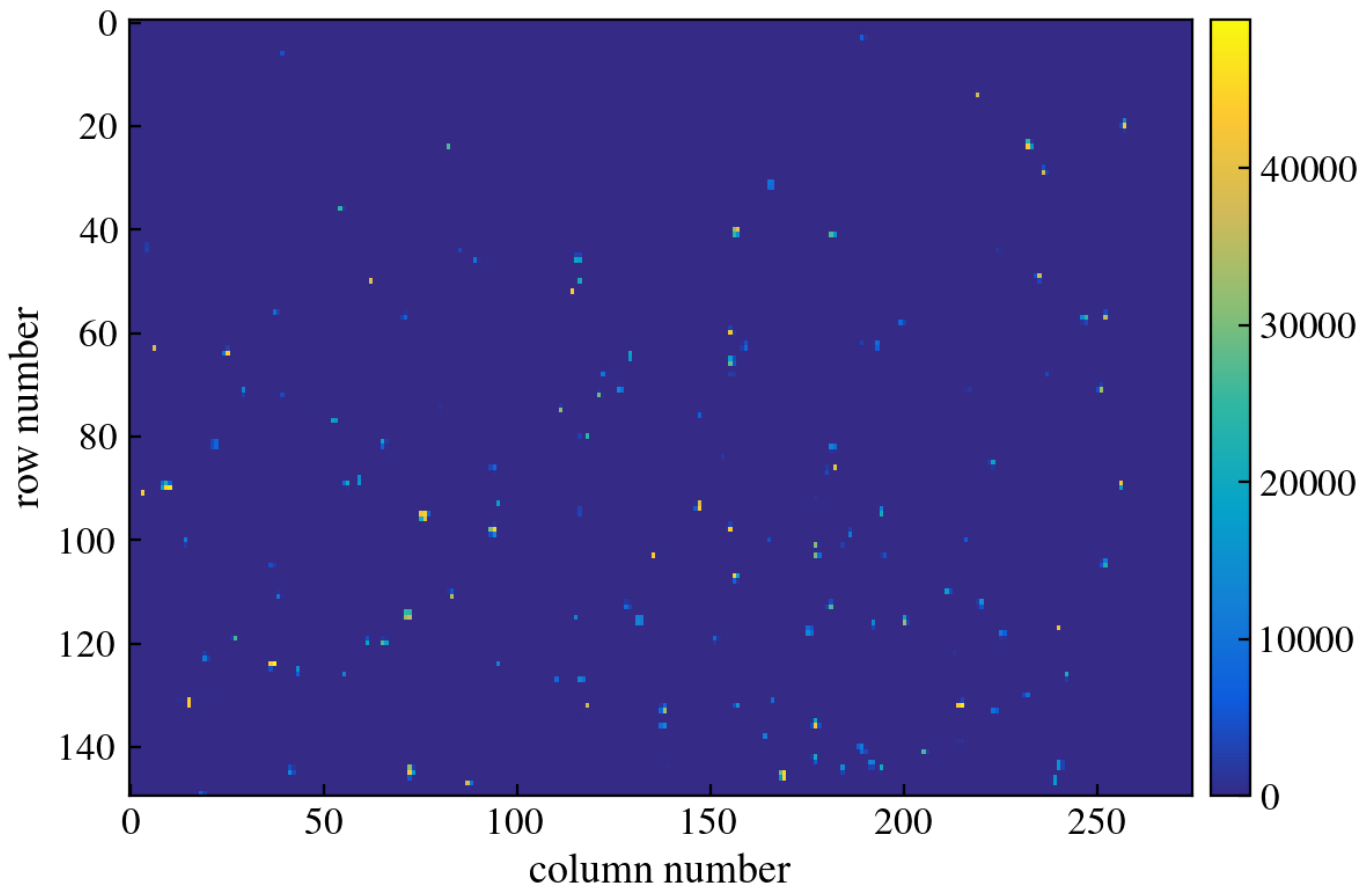


Figure 67: CCD Image



CCD Image: run 154, image 130  
[class MECCDImage]

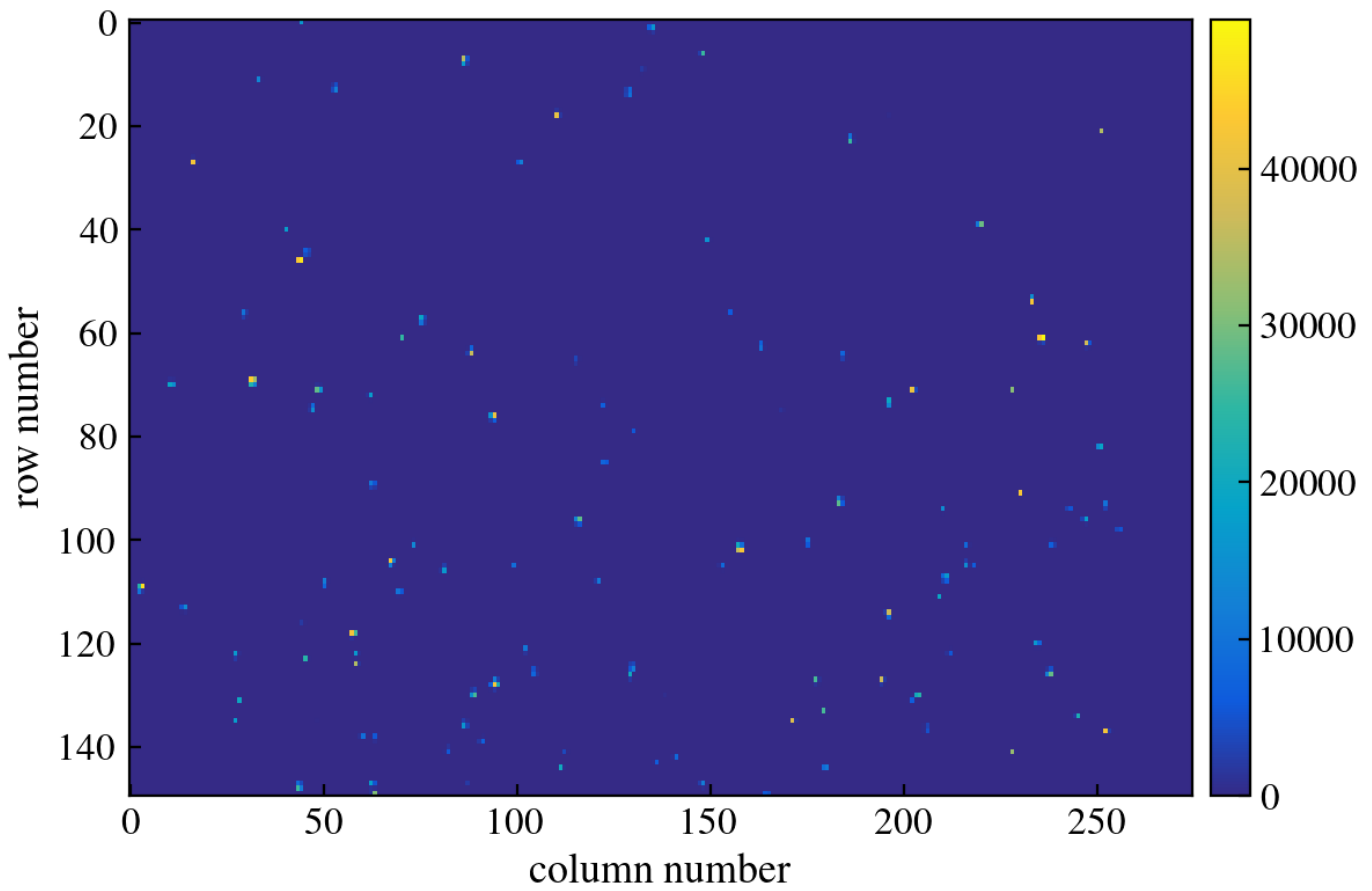


Figure 68: CCD Image

CCD Image: run 154, image 131  
[class MECCDImage]

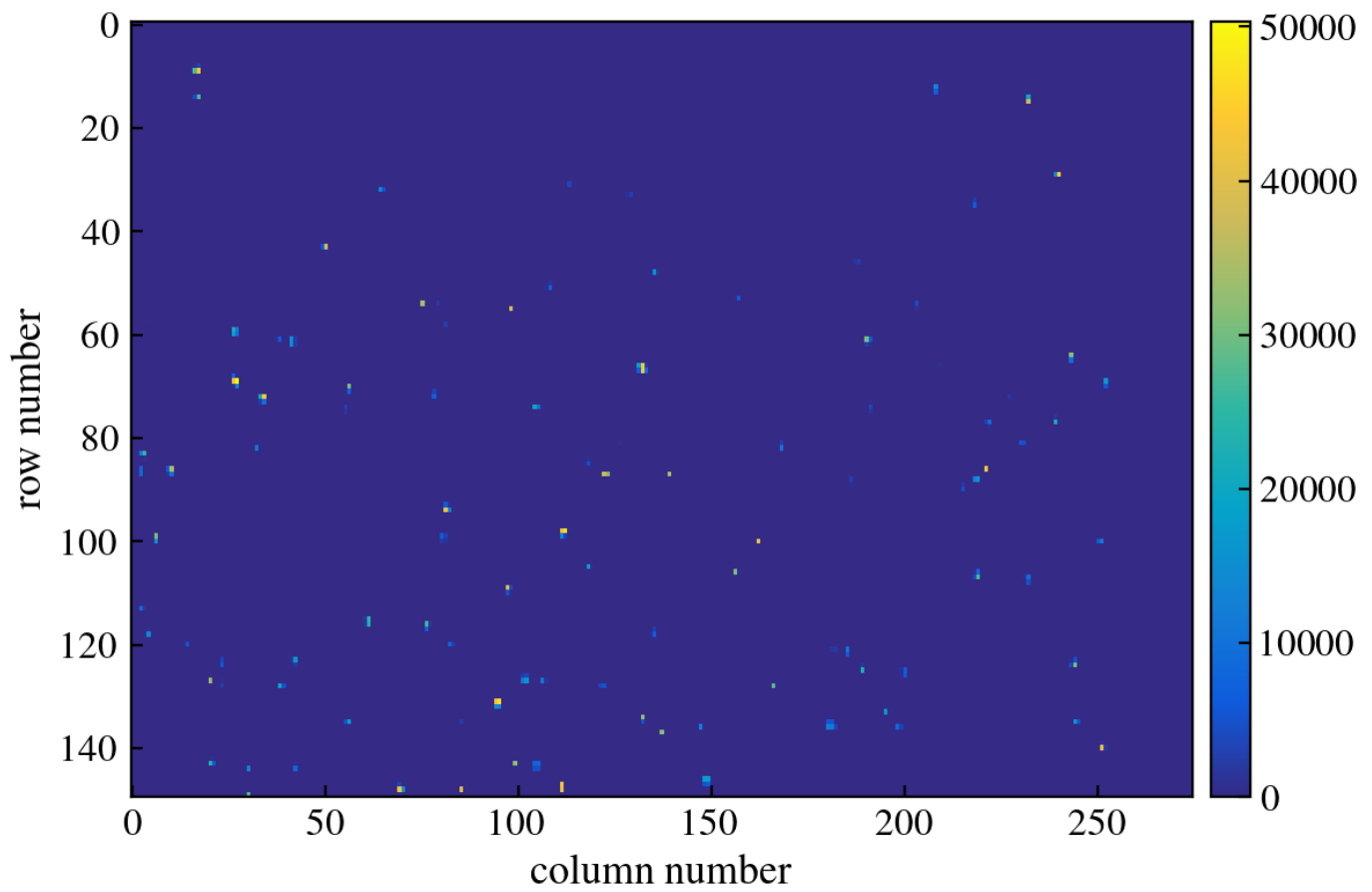


Figure 69: CCD Image

CCD Image: run 154, image 132  
[class MECCDImage]

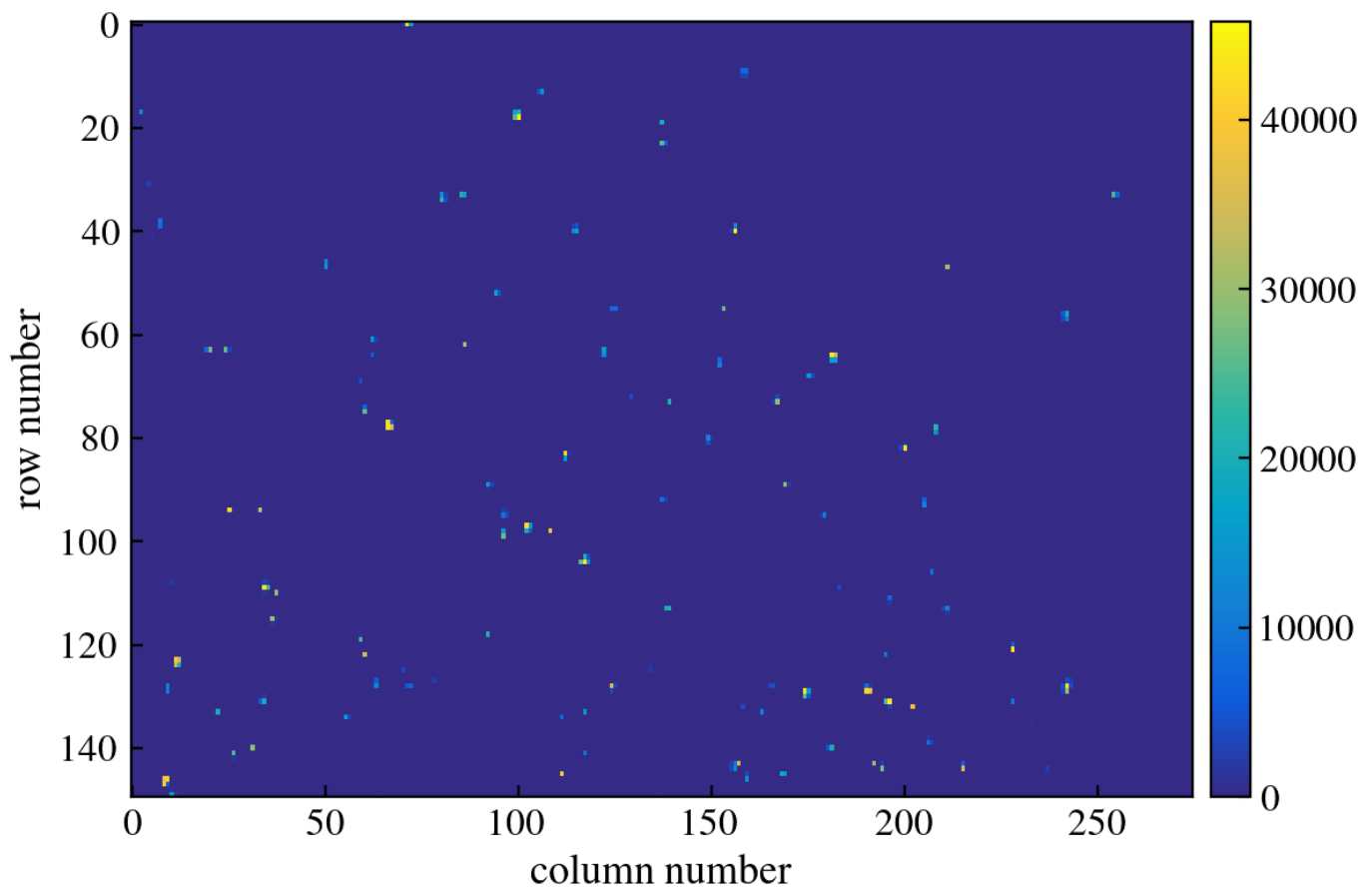


Figure 70: CCD Image

CCD Image: run 154, image 133  
[class MECCDImage]

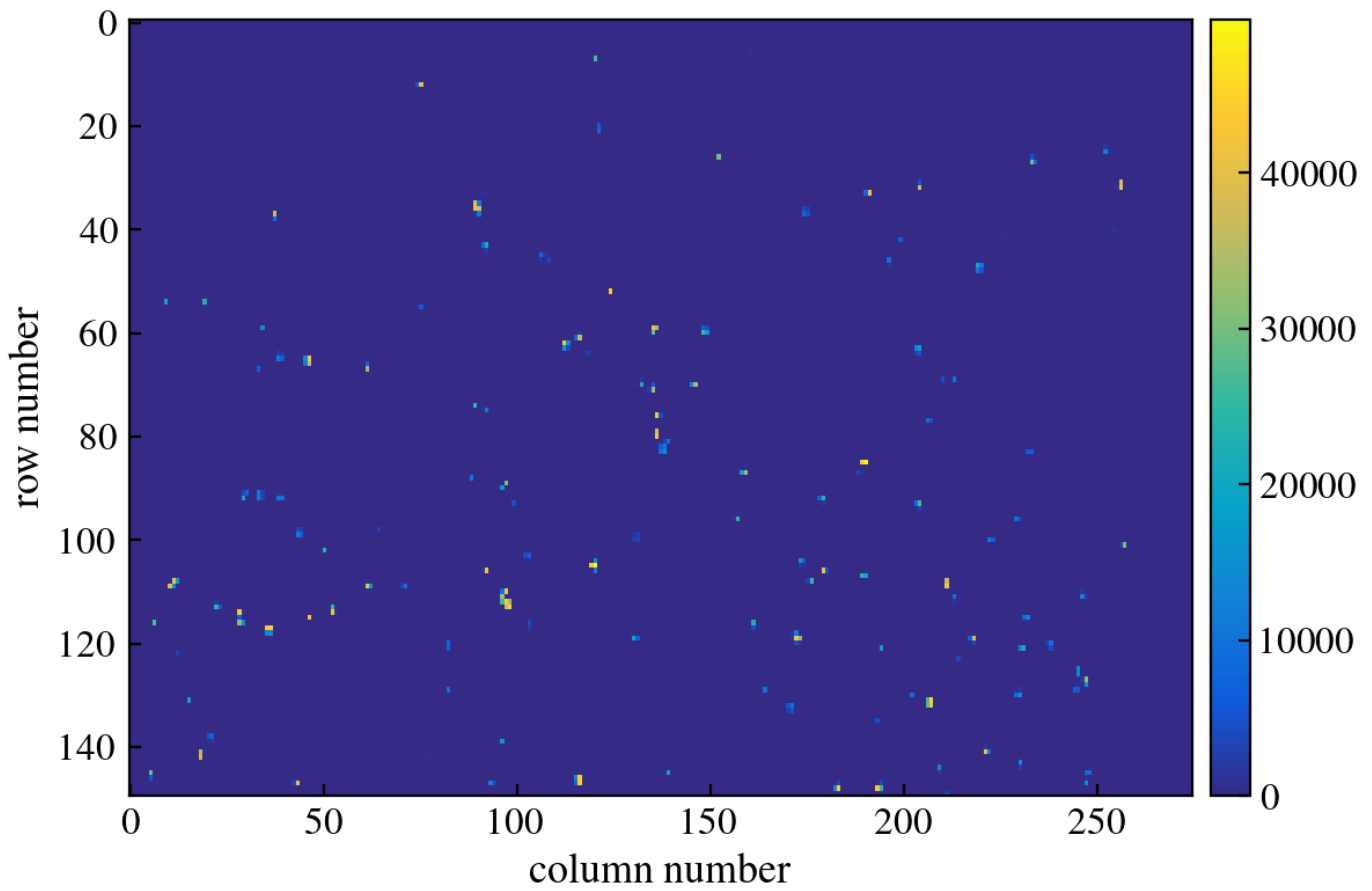


Figure 71: CCD Image

CCD Image: run 154, image 134  
[class MECCDImage]

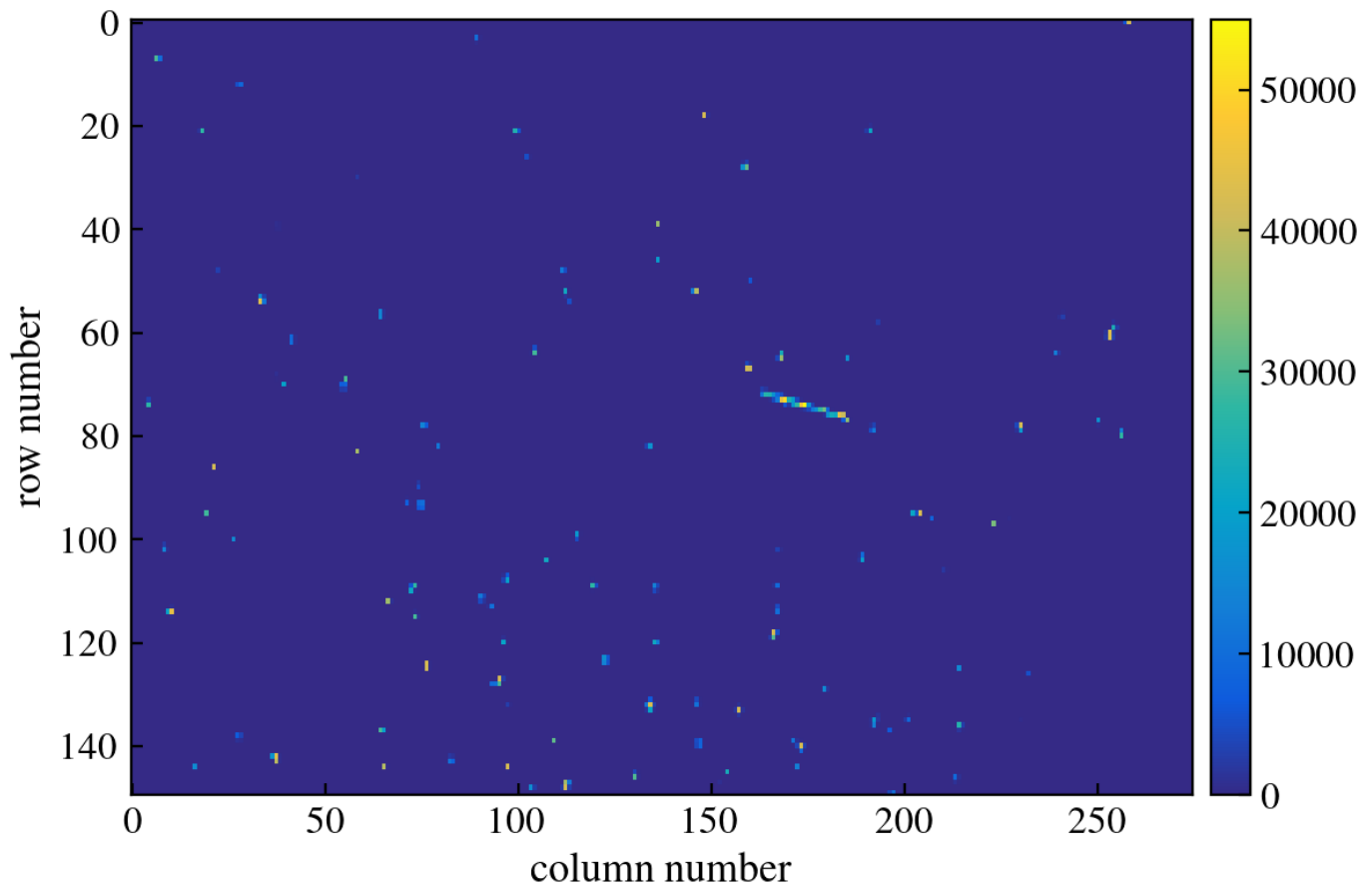


Figure 72: CCD Image

CCD Image: run 154, image 135  
[class MECCDImage]

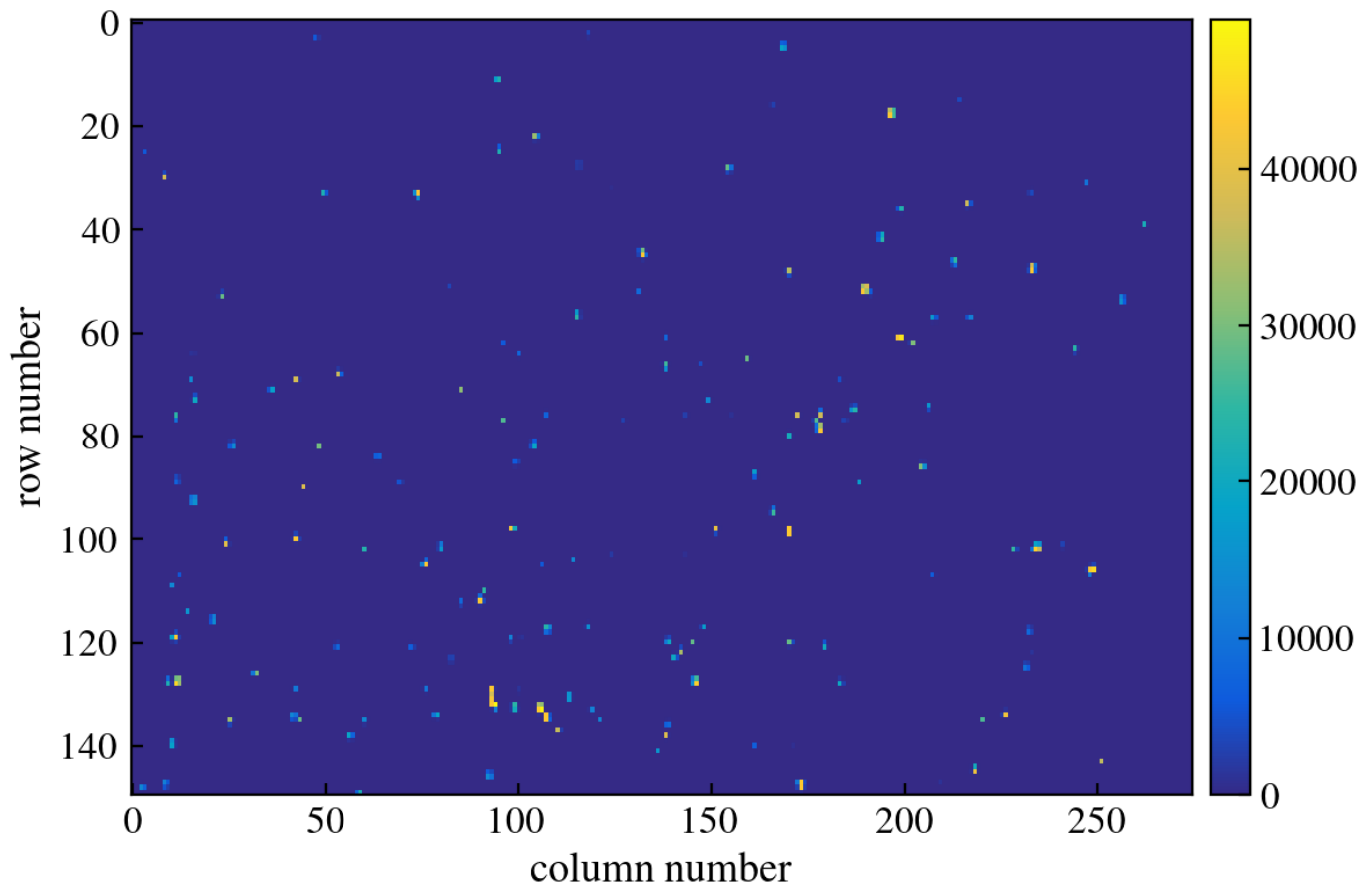


Figure 73: CCD Image

CCD Image: run 154, image 136  
[class MECCDImage]

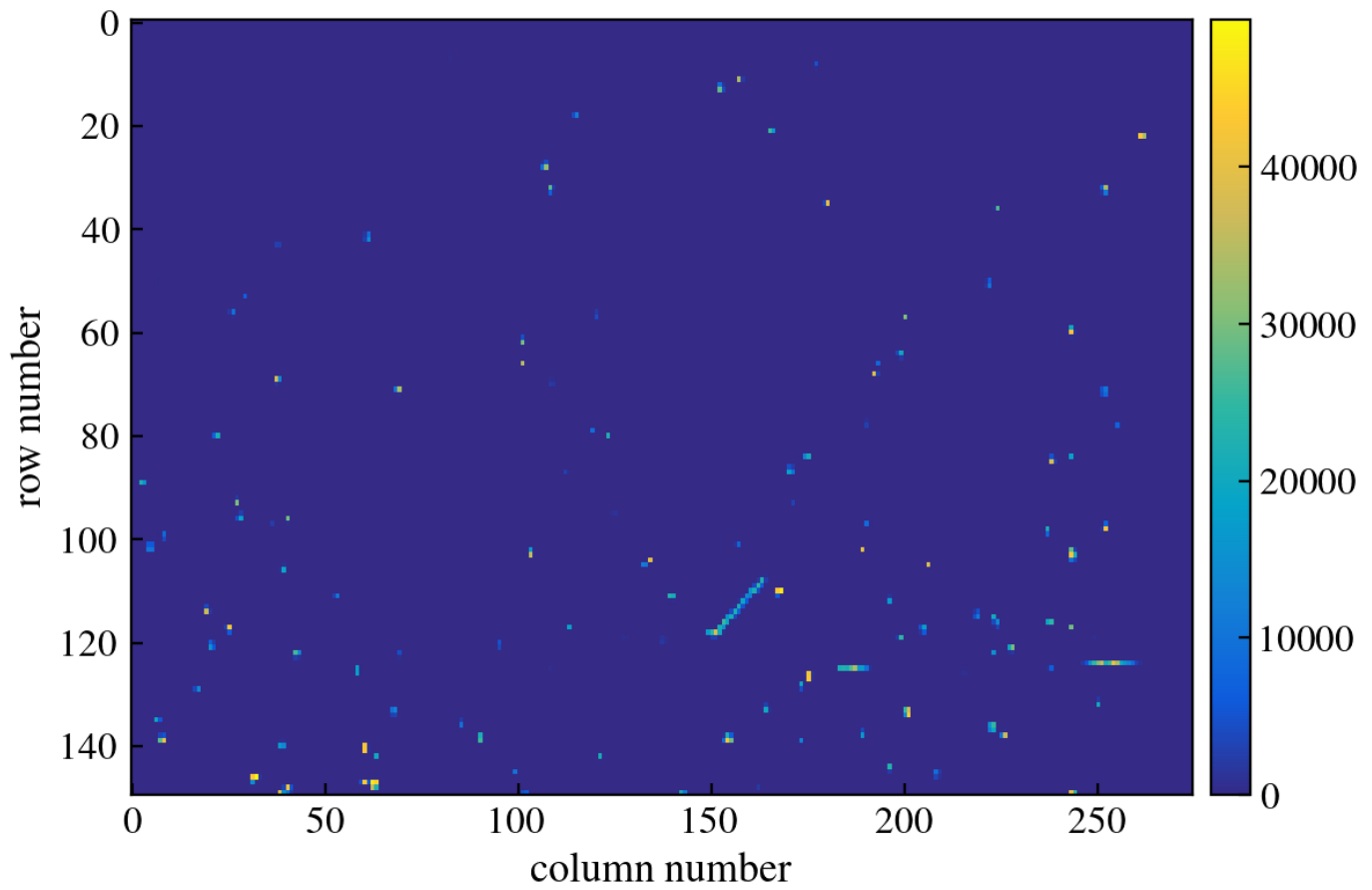


Figure 74: CCD Image

CCD Image: run 154, image 137  
[class MECCDImage]

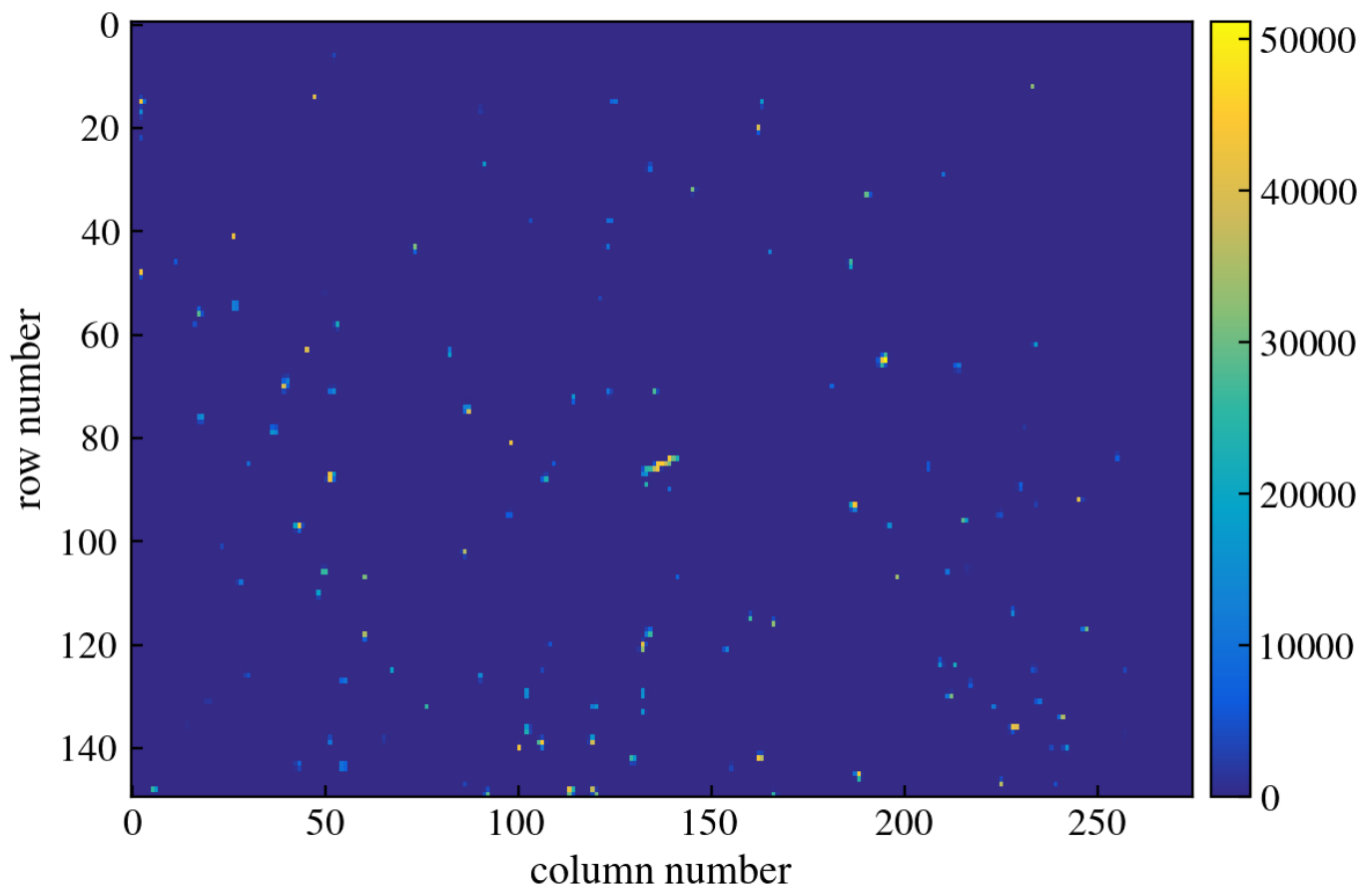


Figure 75: CCD Image



CCD Image: run 154, image 138  
[class MECCDImage]

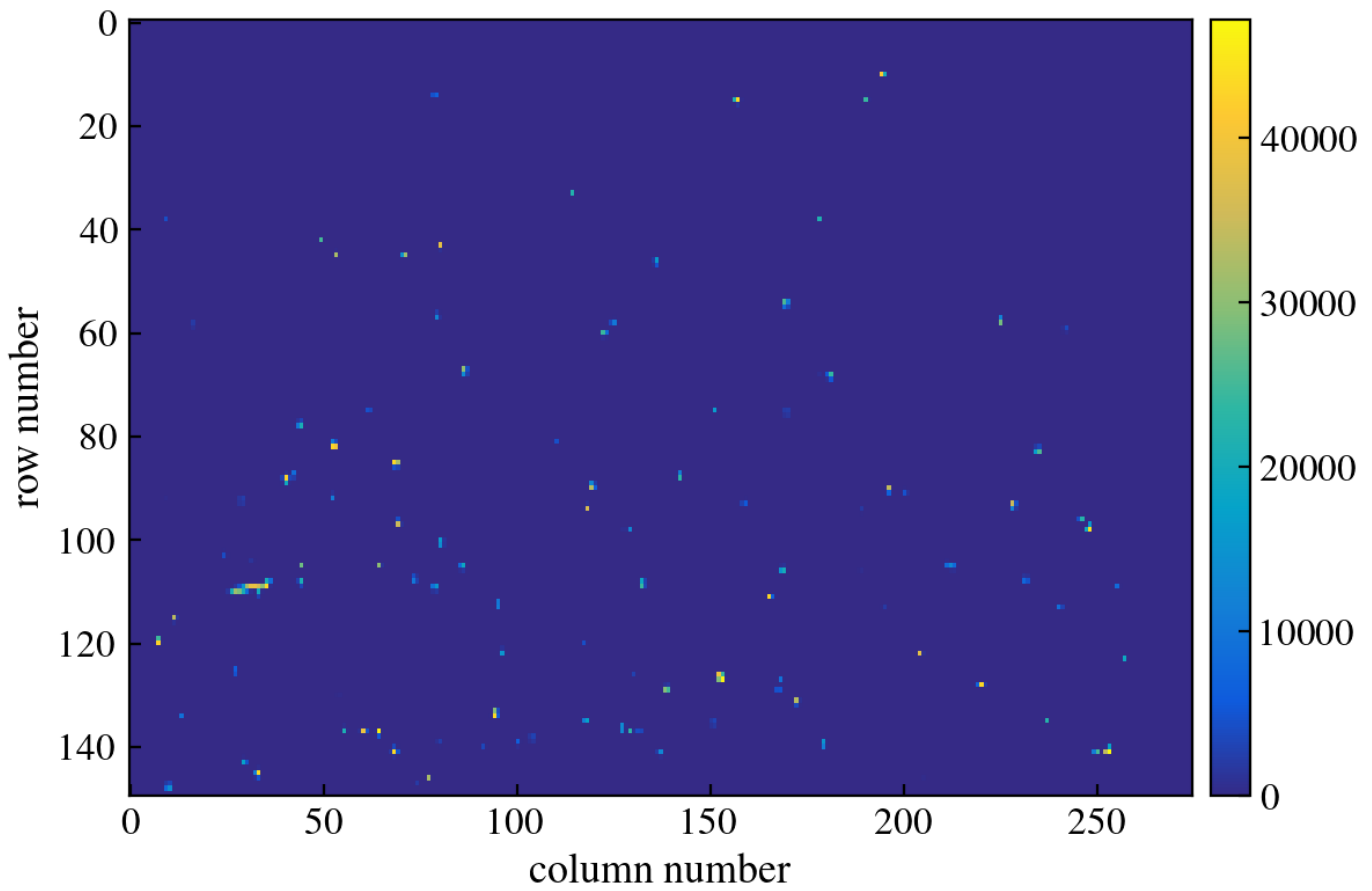


Figure 76: CCD Image

CCD Image: run 154, image 139  
[class MECCDImage]

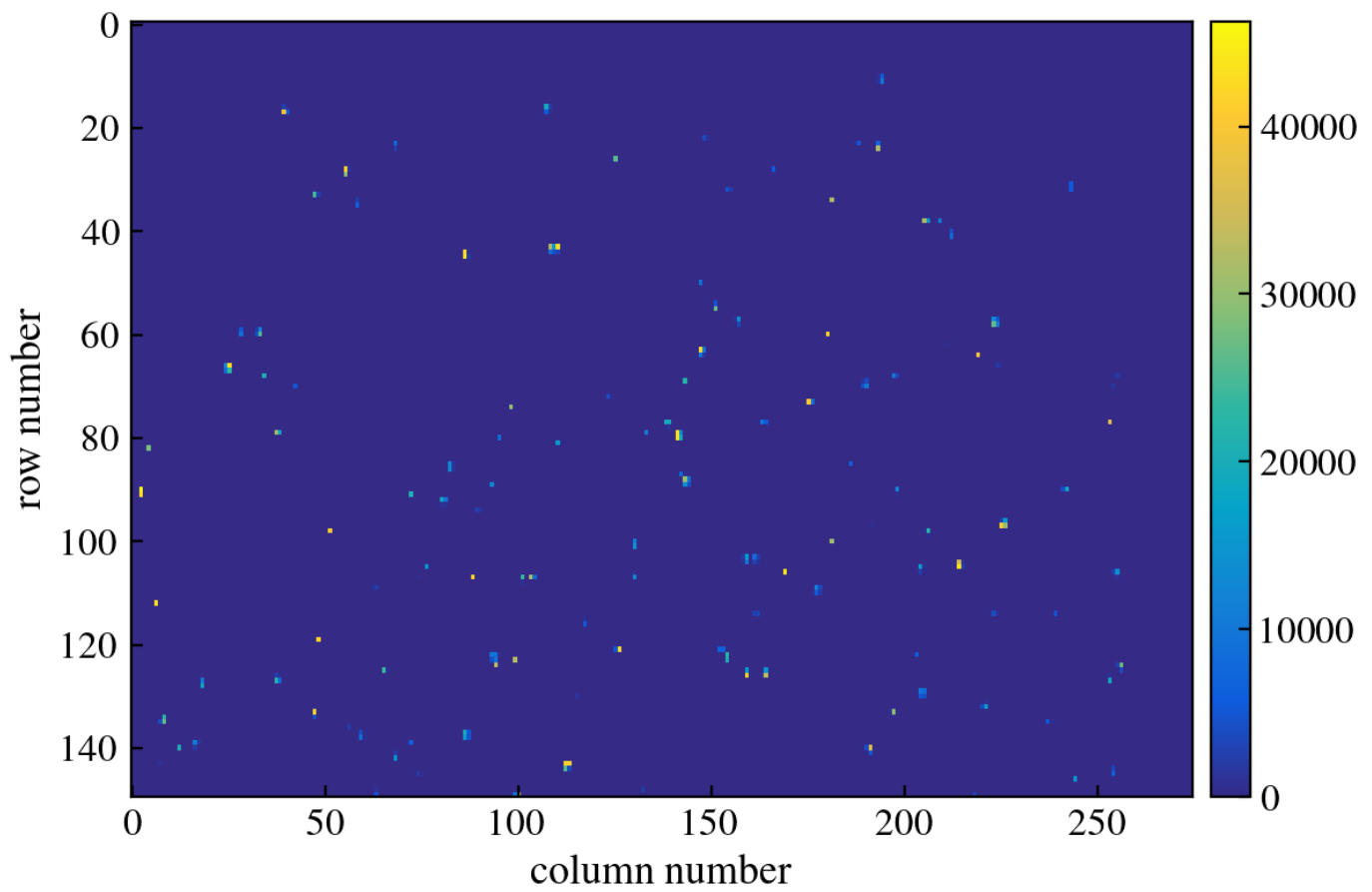


Figure 77: CCD Image

CCD Image: run 154, image 14  
[class MECCDImage]

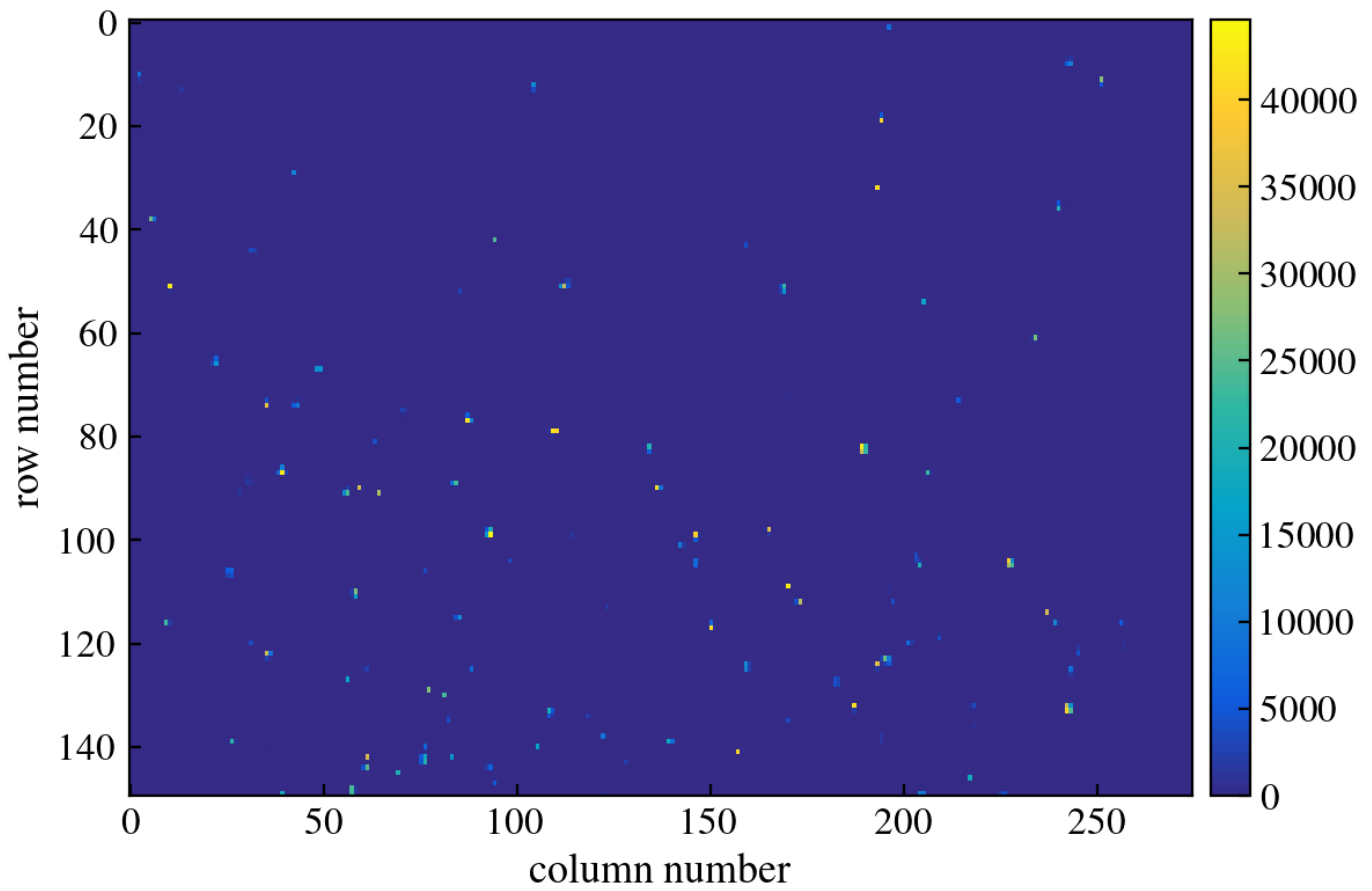


Figure 78: CCD Image

CCD Image: run 154, image 140  
[class MECCDImage]

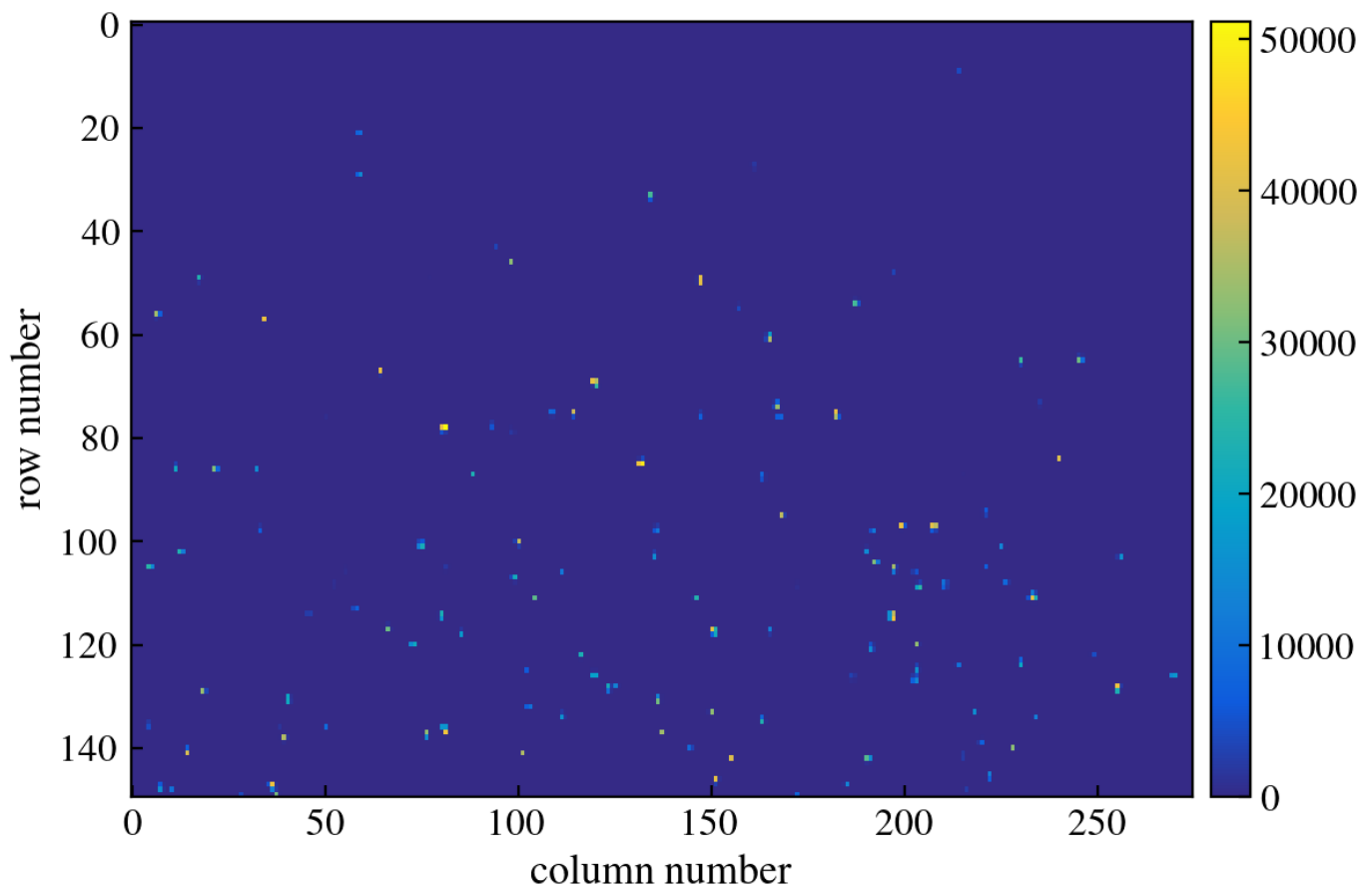


Figure 79: CCD Image

CCD Image: run 154, image 141  
[class MECCDImage]

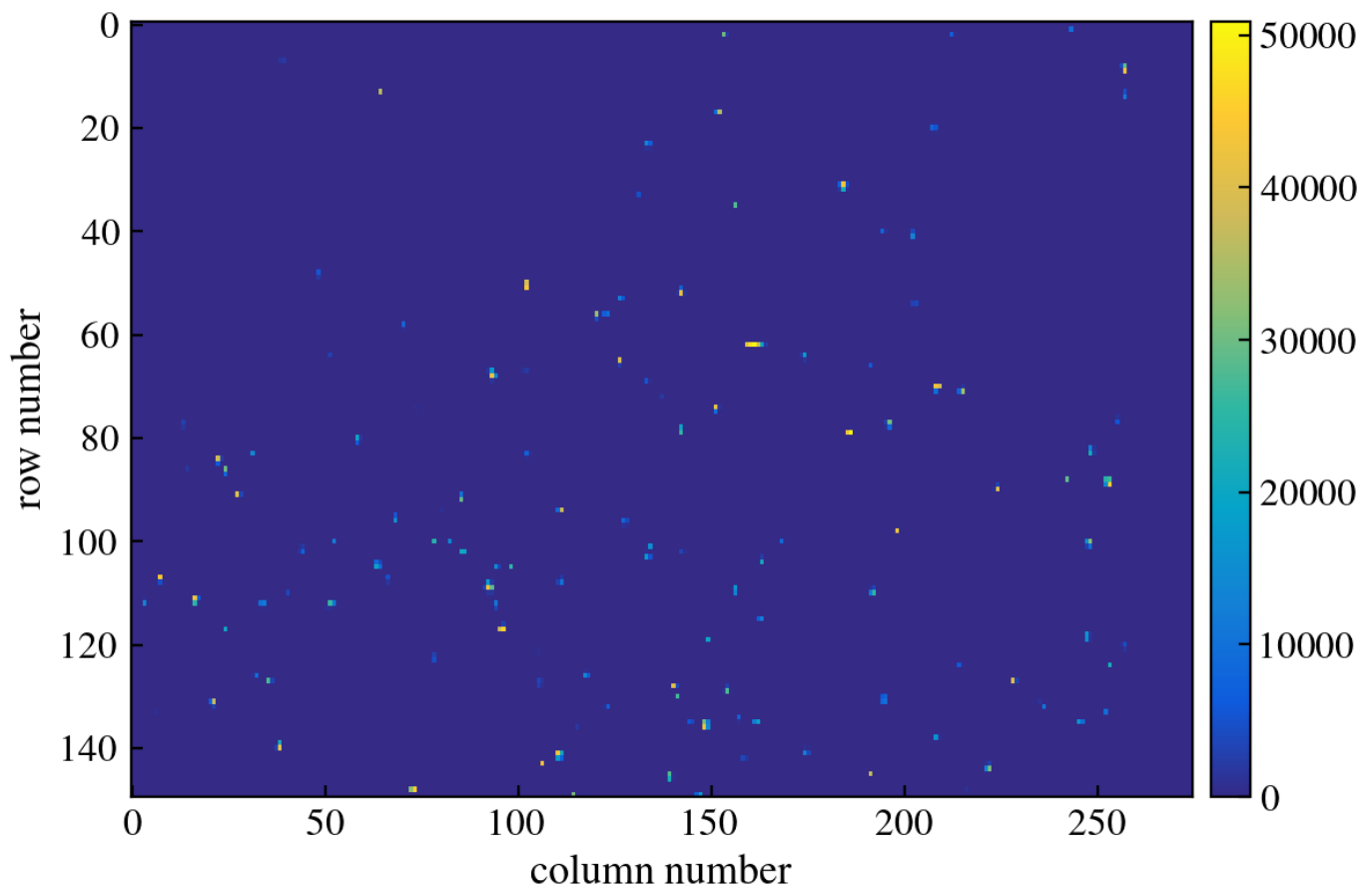


Figure 80: CCD Image

CCD Image: run 154, image 142  
[class MECCDImage]

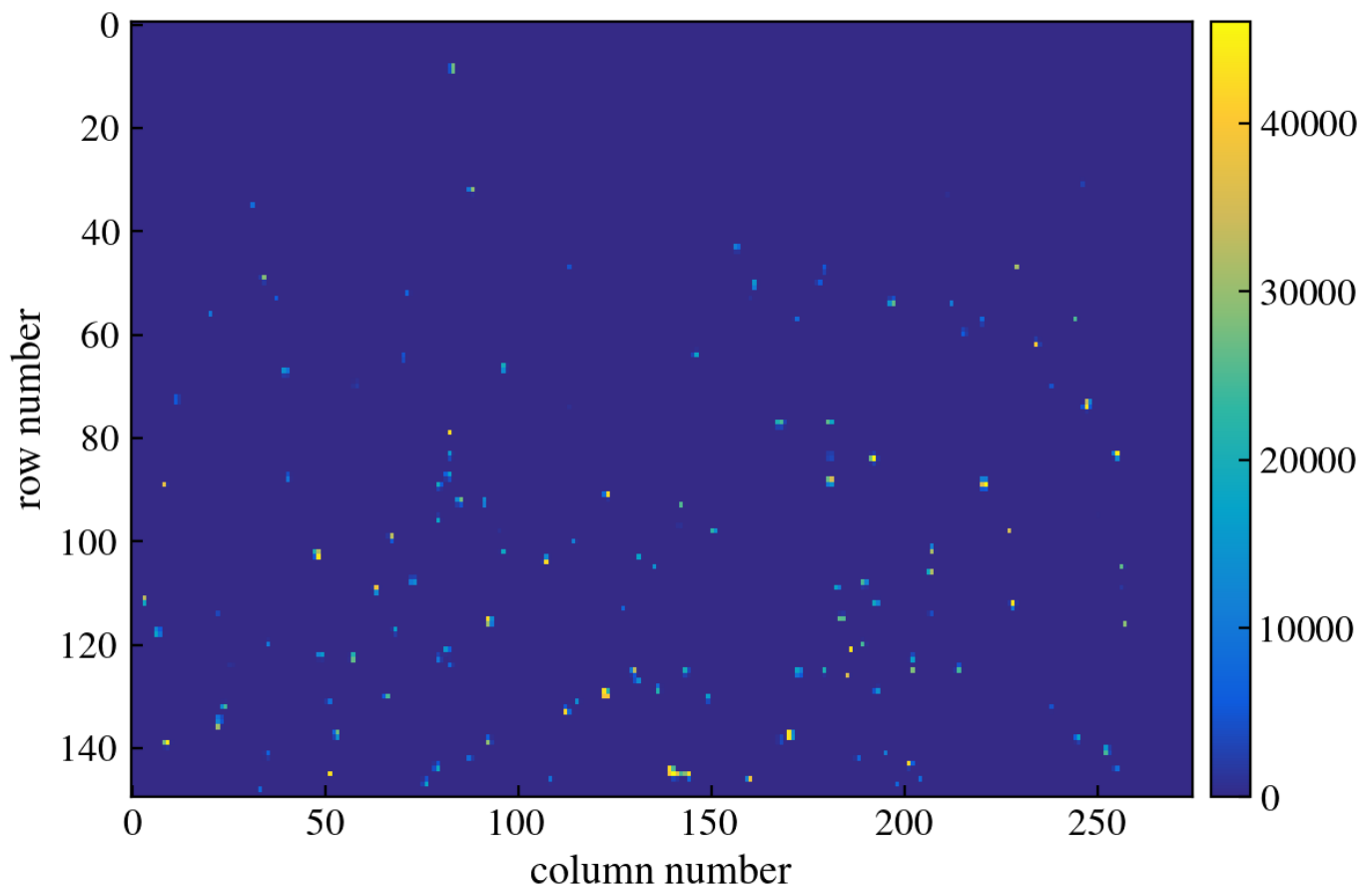


Figure 81: CCD Image

CCD Image: run 154, image 143  
[class MECCDImage]

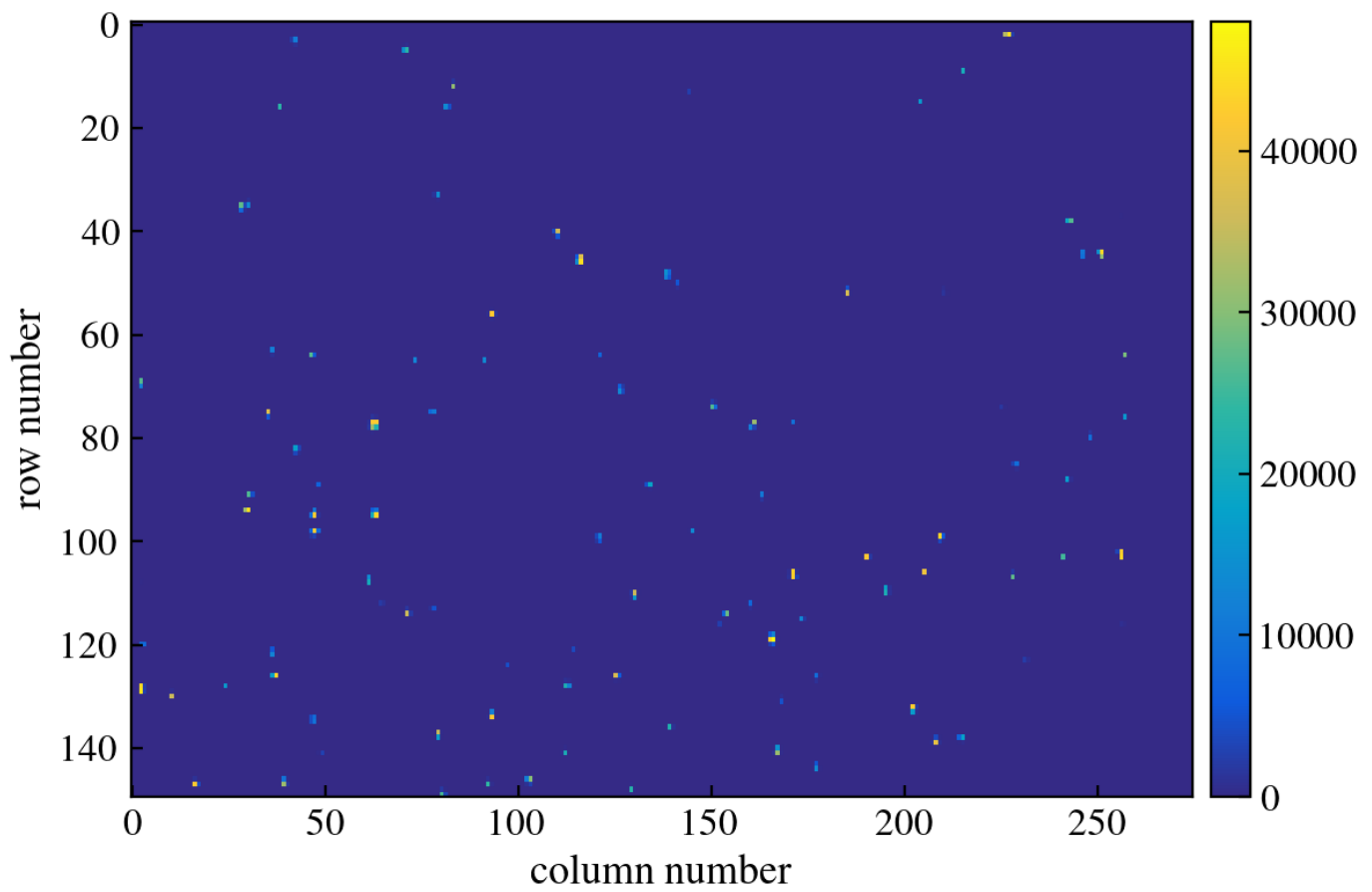


Figure 82: CCD Image

CCD Image: run 154, image 144  
[class MECCDImage]

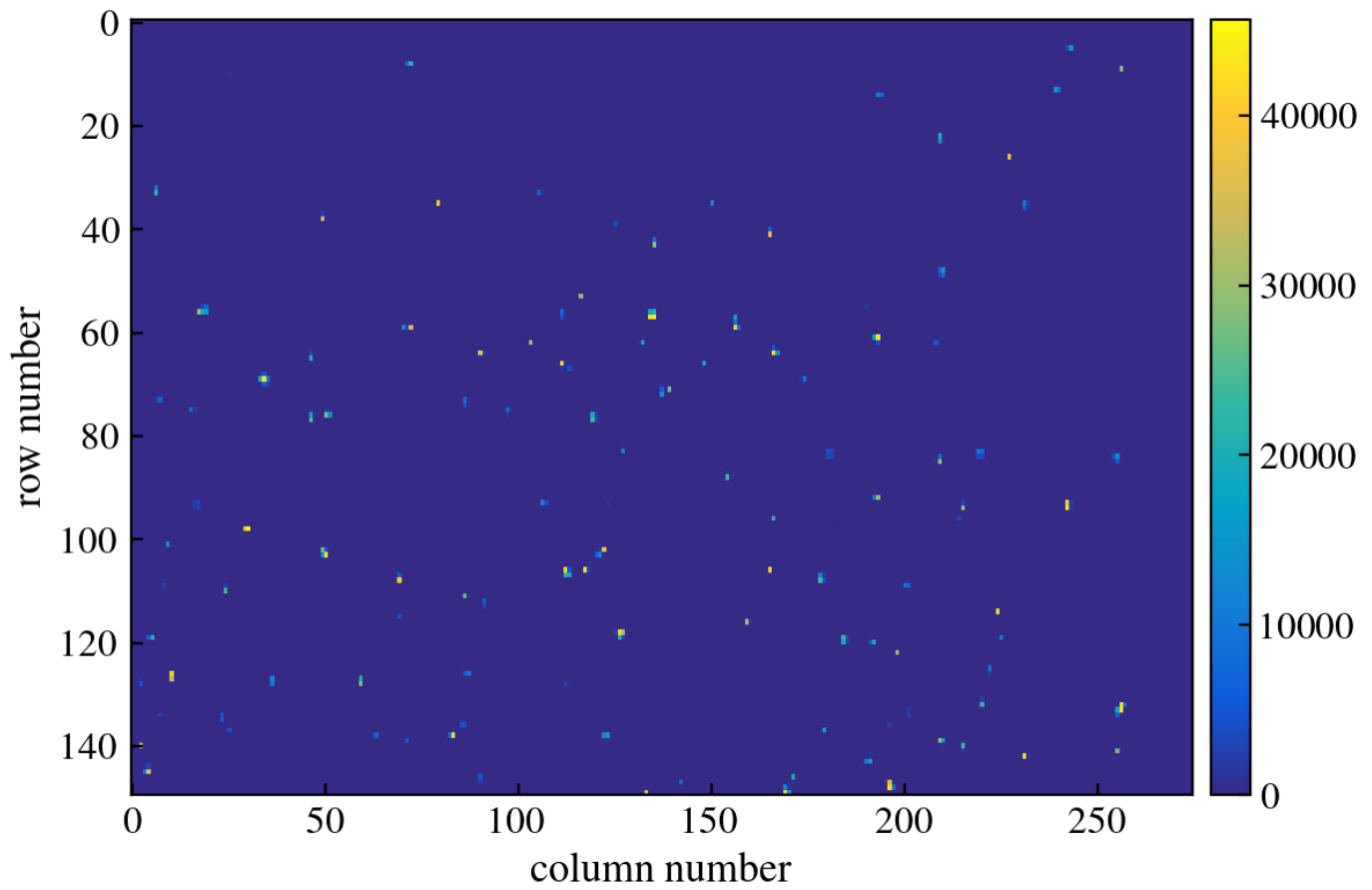


Figure 83: CCD Image



CCD Image: run 154, image 145  
[class MECCDImage]

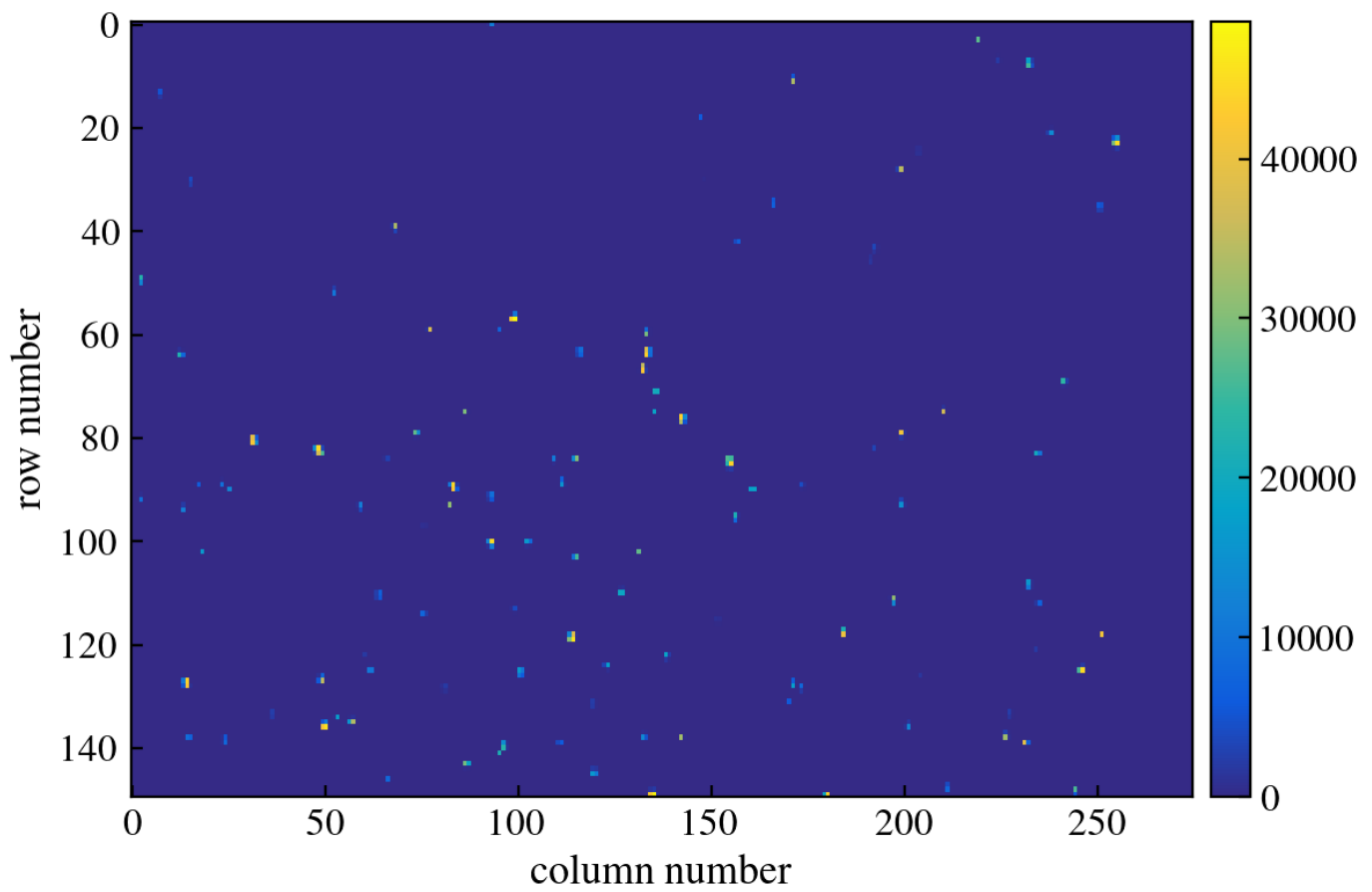


Figure 84: CCD Image

CCD Image: run 154, image 146  
[class MECCDImage]

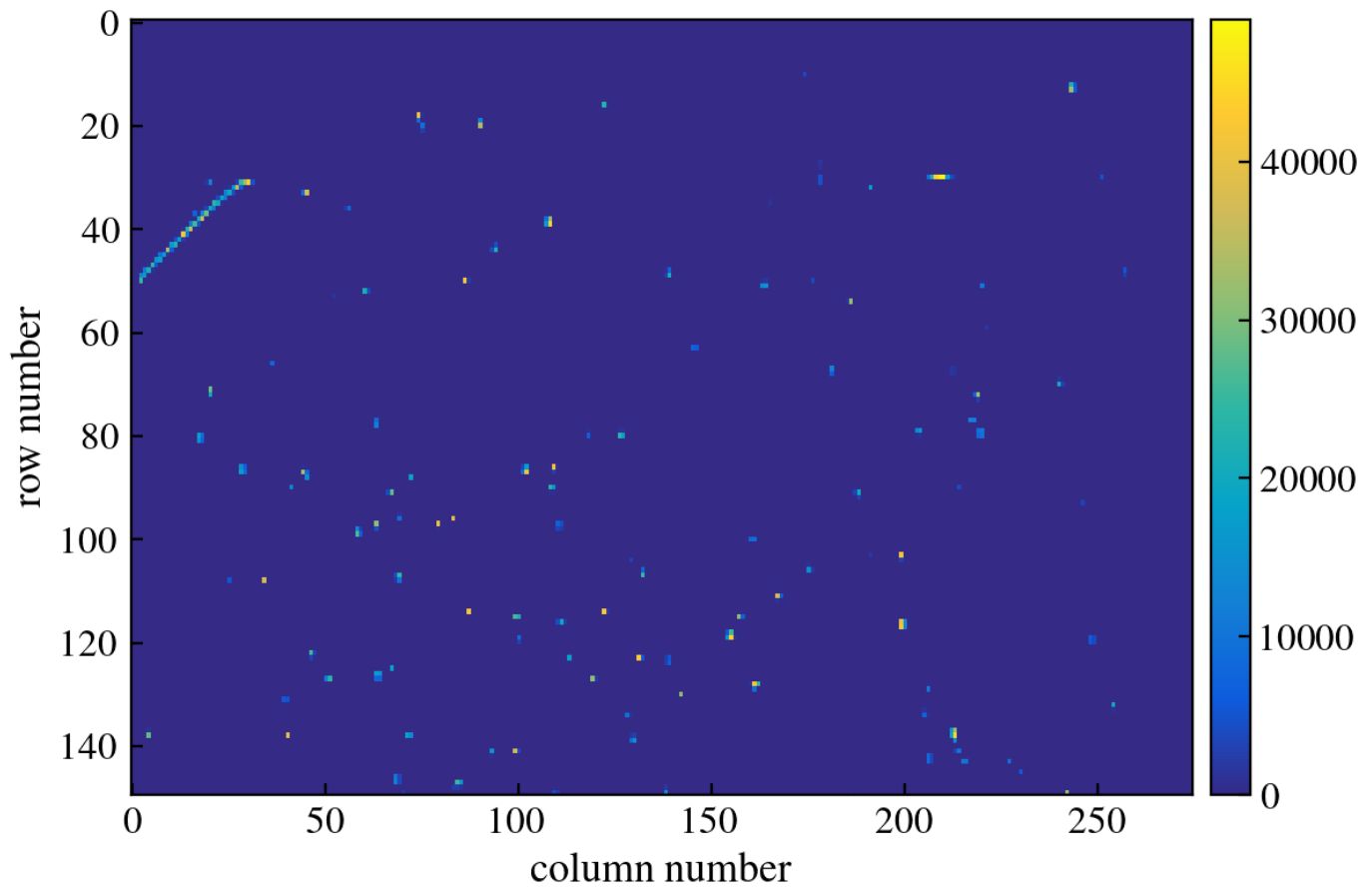


Figure 85: CCD Image

CCD Image: run 154, image 147  
[class MECCDImage]

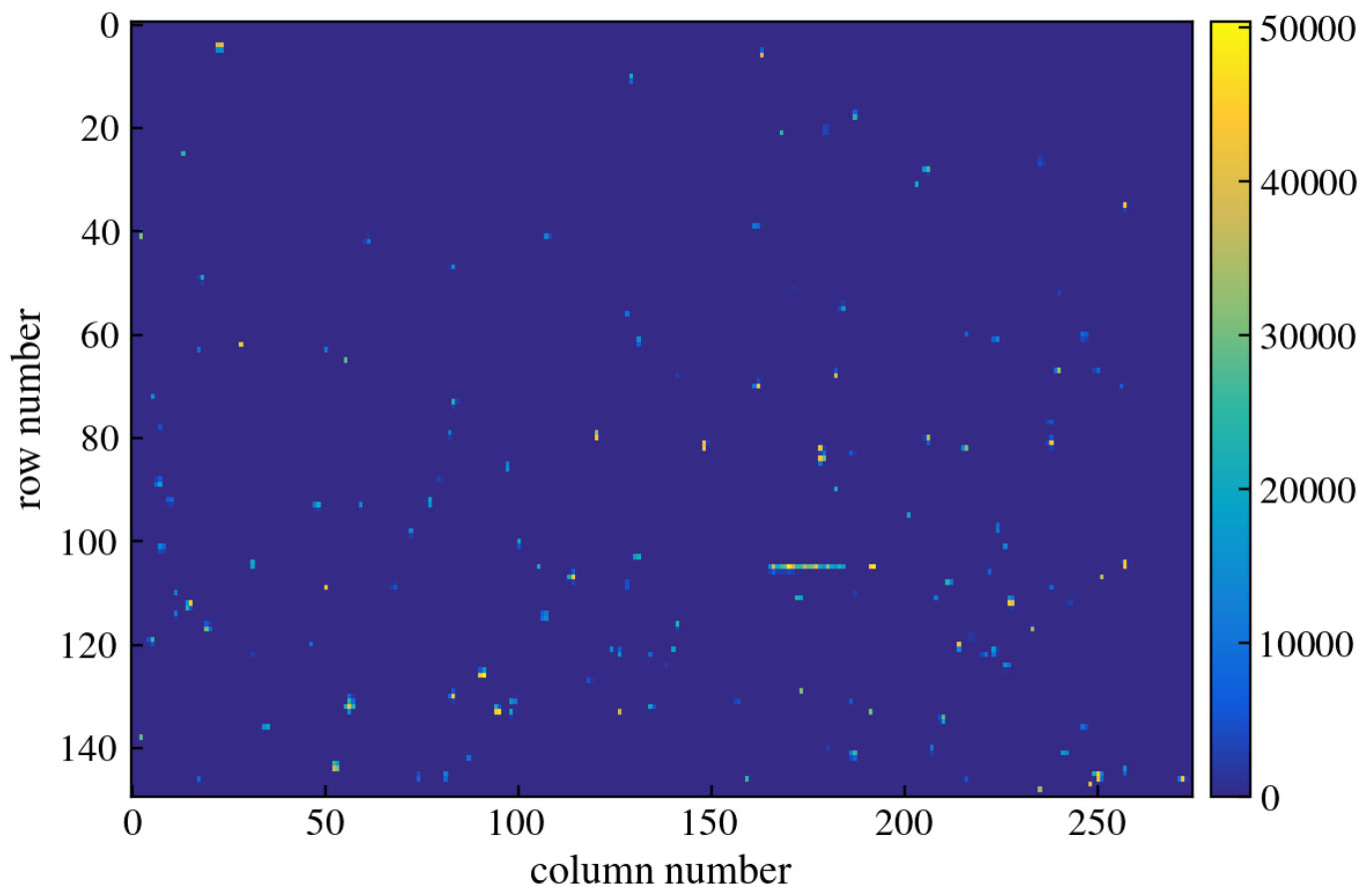


Figure 86: CCD Image

CCD Image: run 154, image 148  
[class MECCDImage]

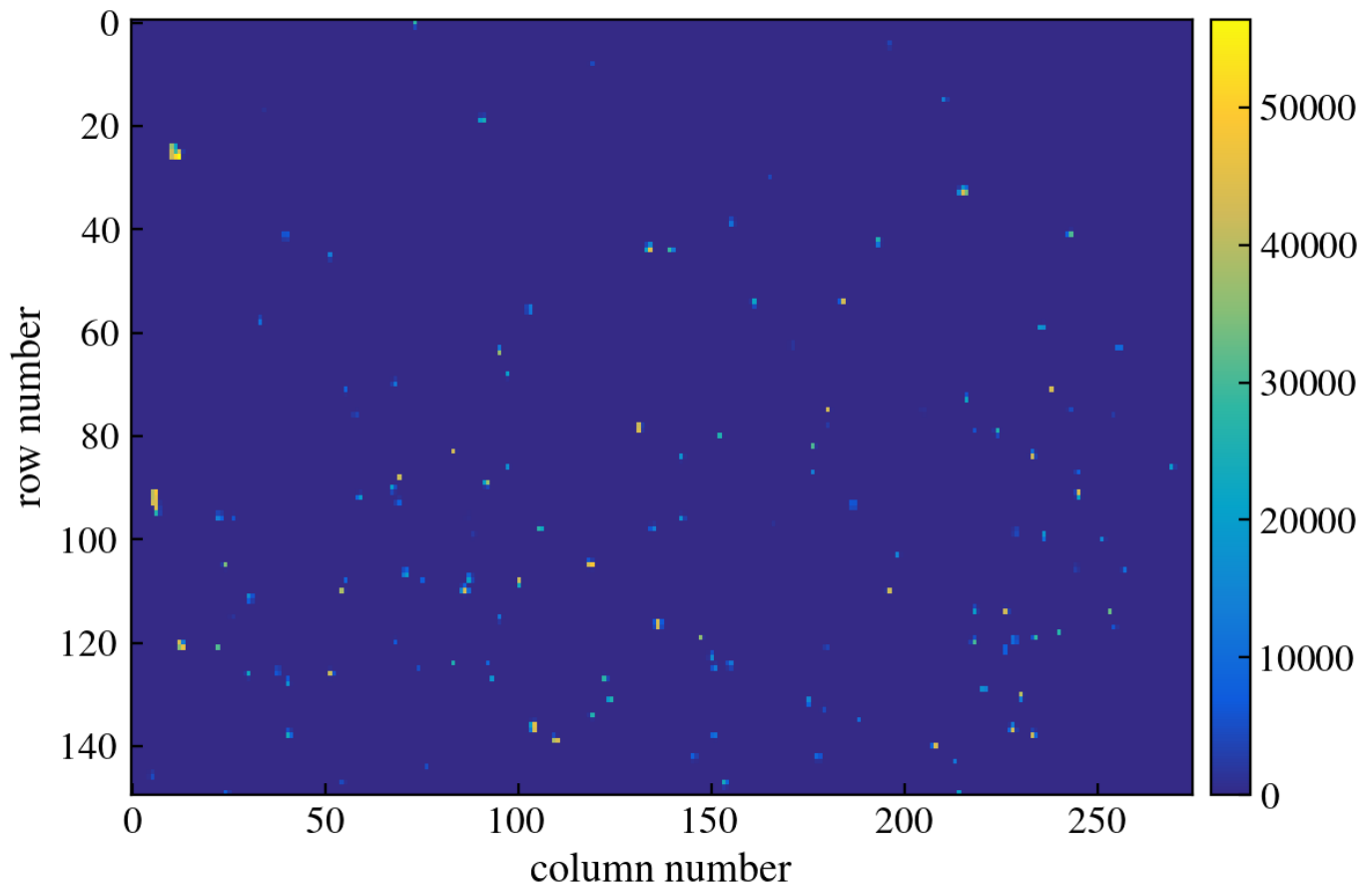


Figure 87: CCD Image

CCD Image: run 154, image 149  
[class MECCDImage]

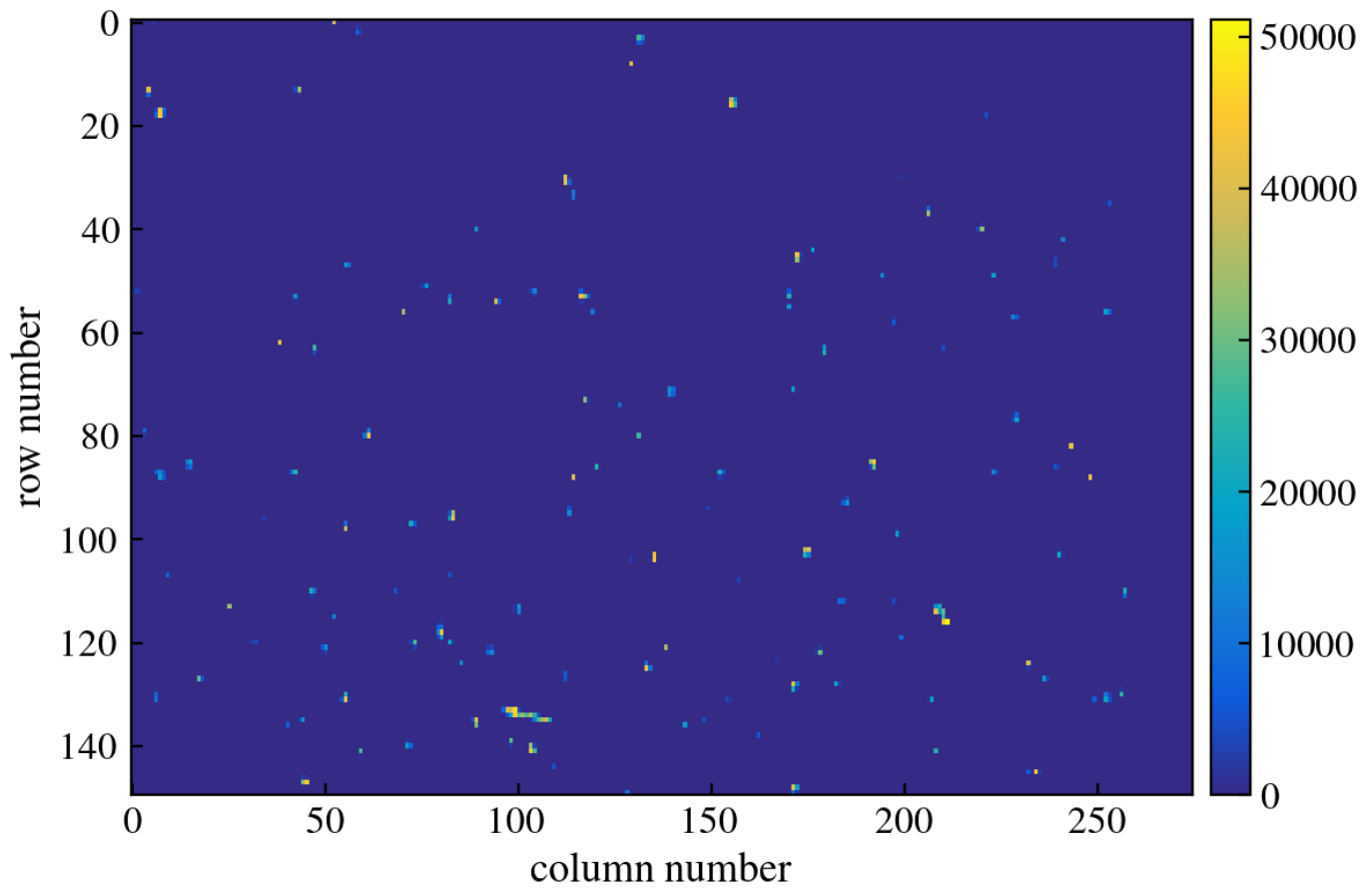


Figure 88: CCD Image

CCD Image: run 154, image 15  
[class MECCDImage]

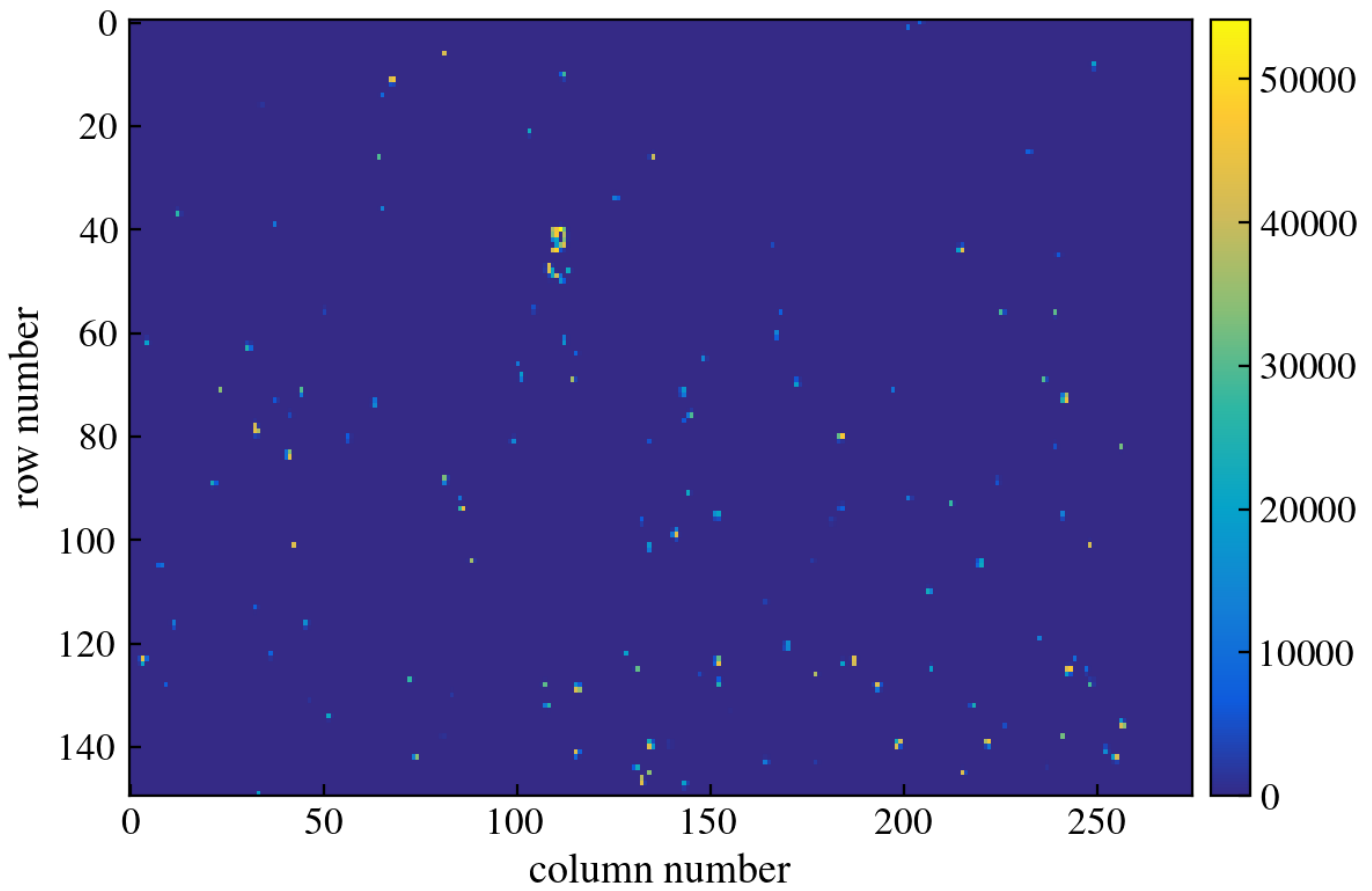


Figure 89: CCD Image

CCD Image: run 154, image 150  
[class MECCDImage]

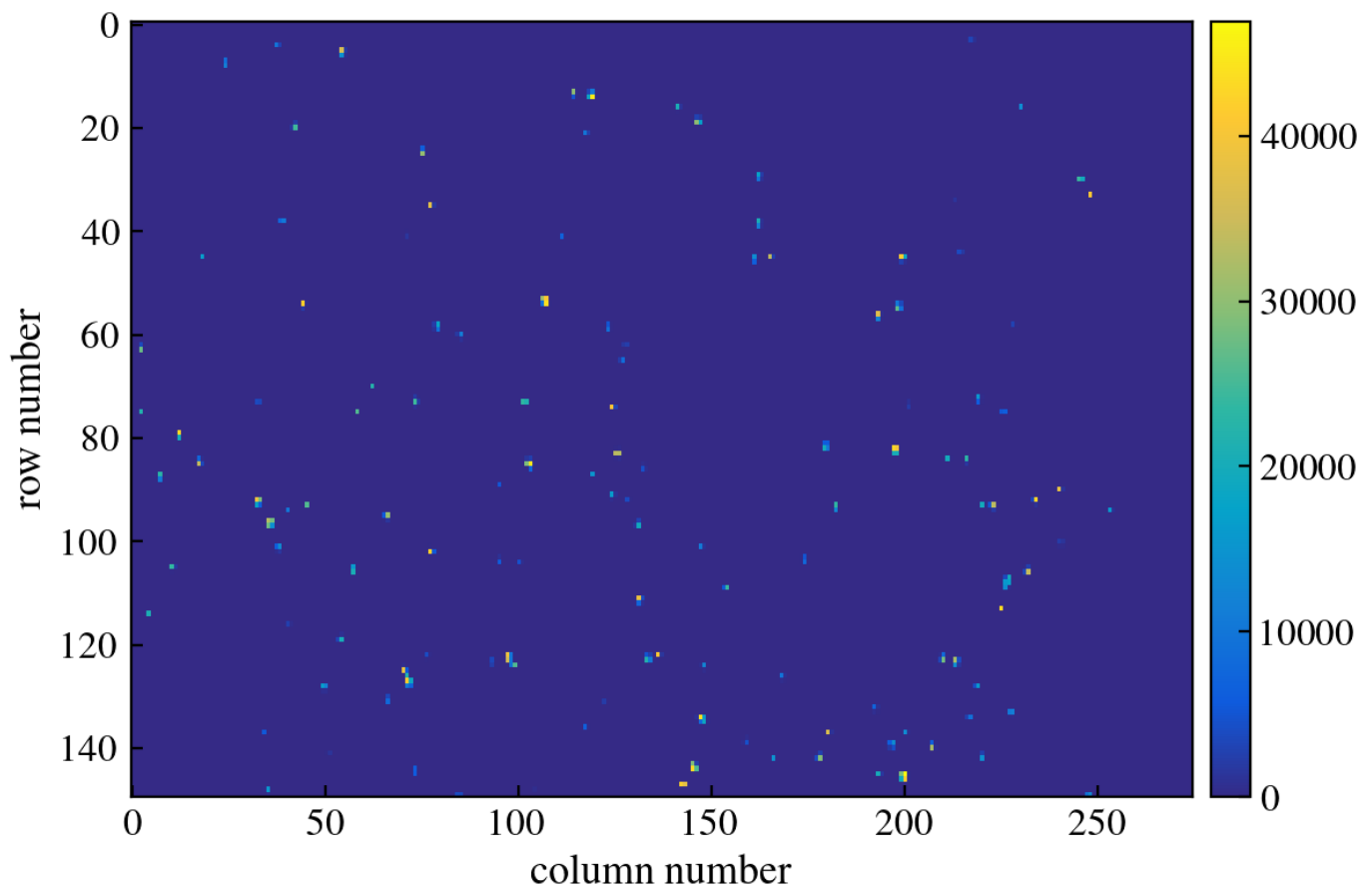


Figure 90: CCD Image

CCD Image: run 154, image 151  
[class MECCDImage]

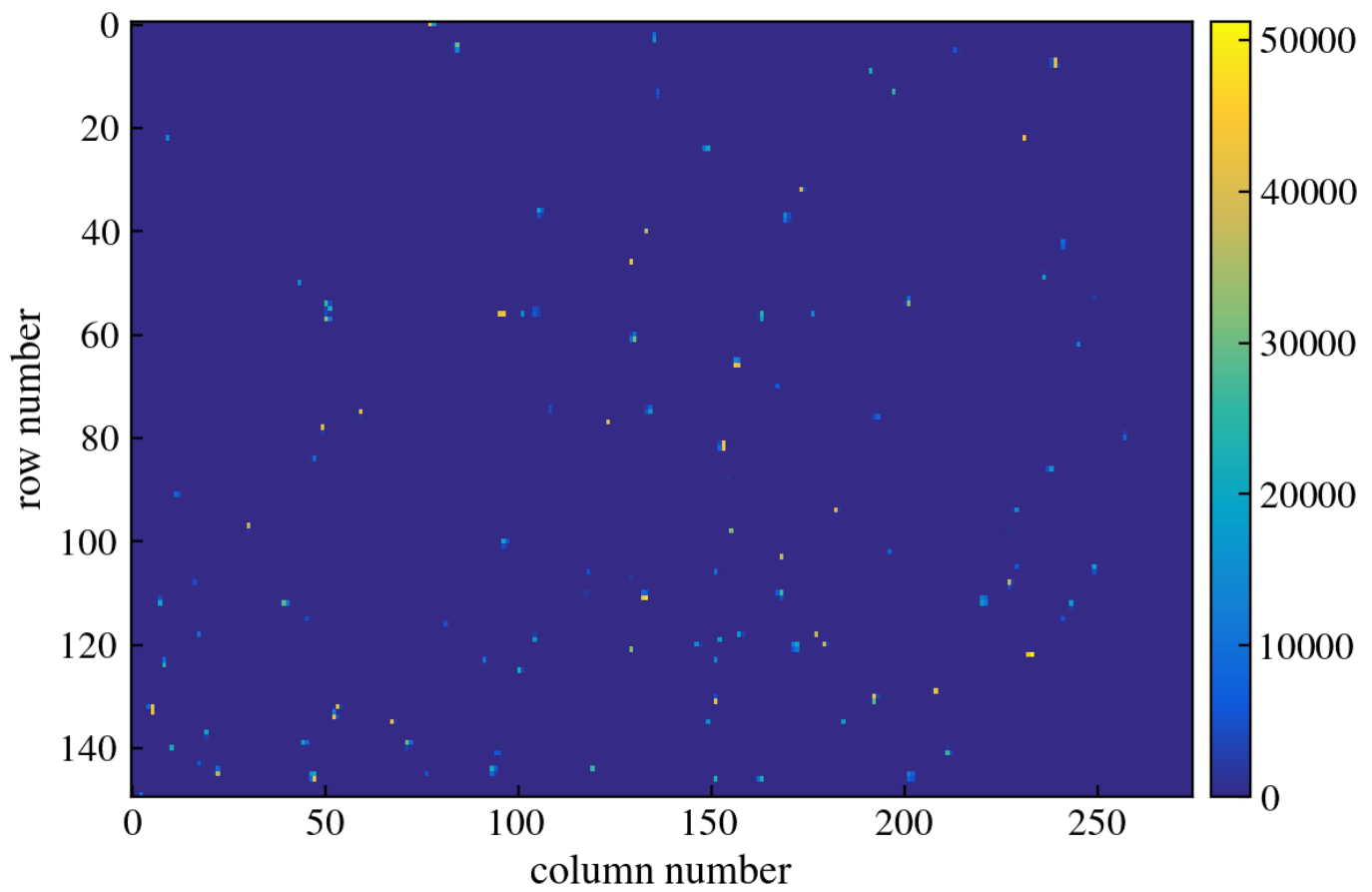


Figure 91: CCD Image



CCD Image: run 154, image 152  
[class MECCDImage]

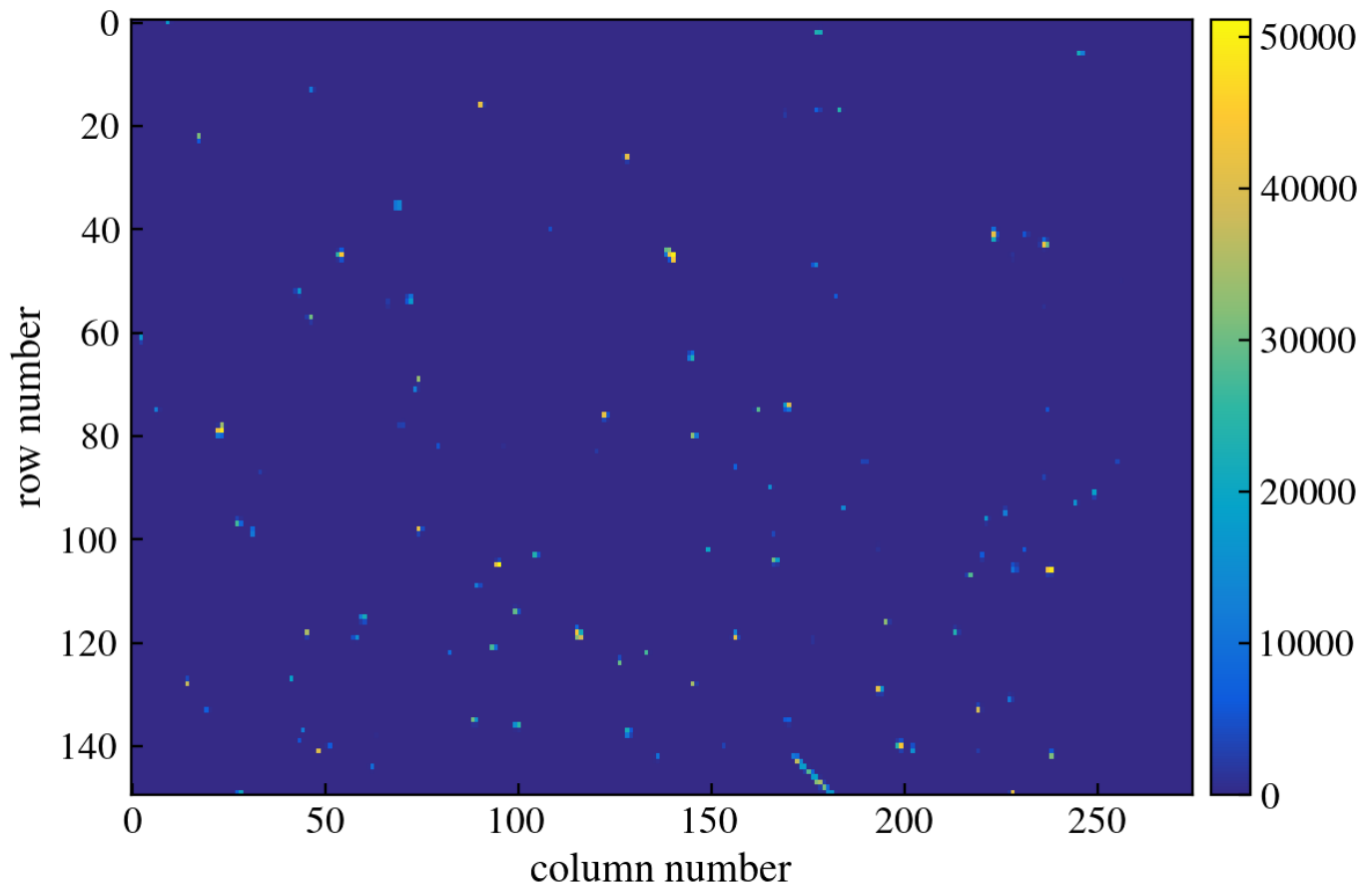


Figure 92: CCD Image

CCD Image: run 154, image 153  
[class MECCDImage]

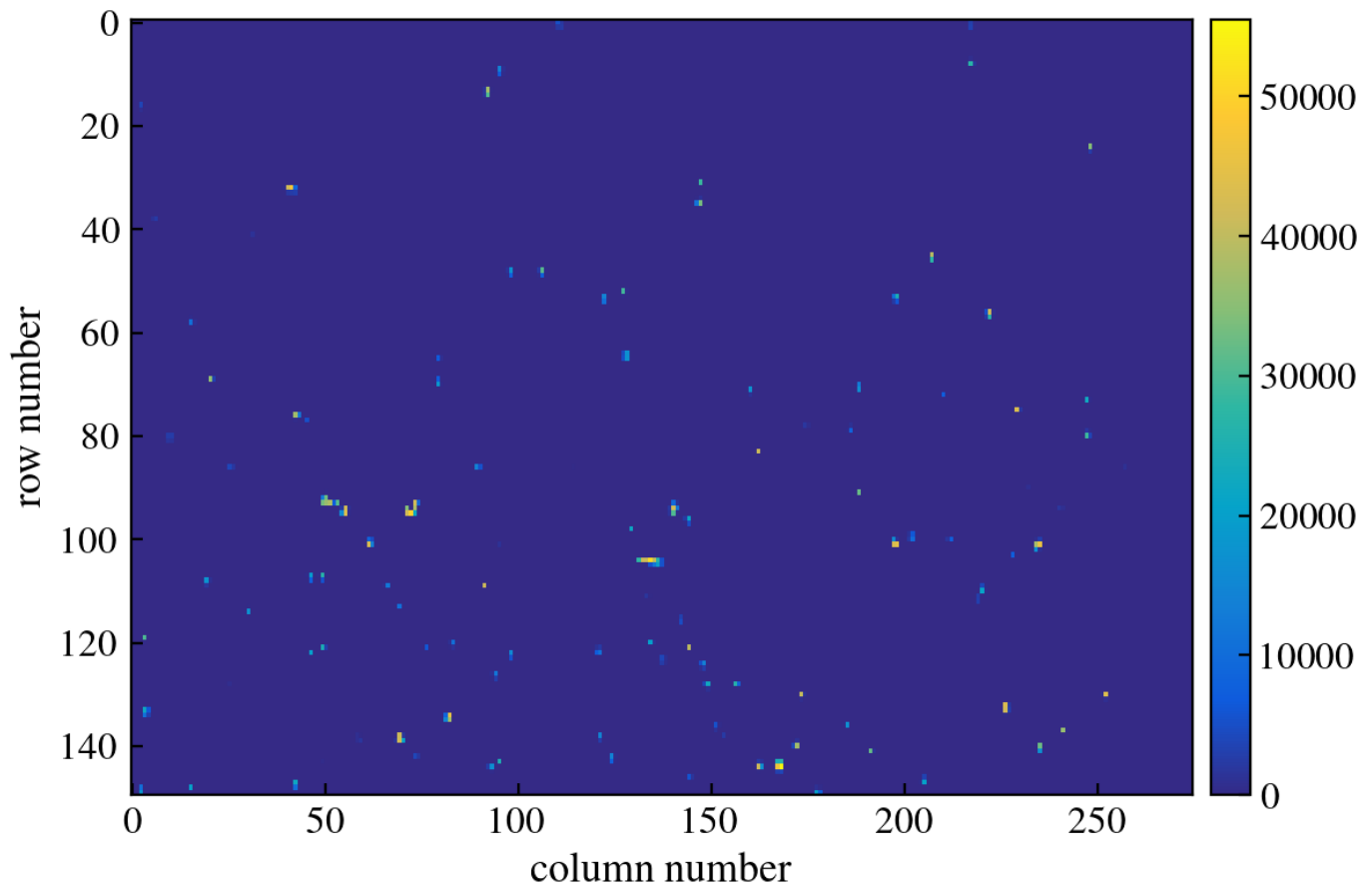


Figure 93: CCD Image

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

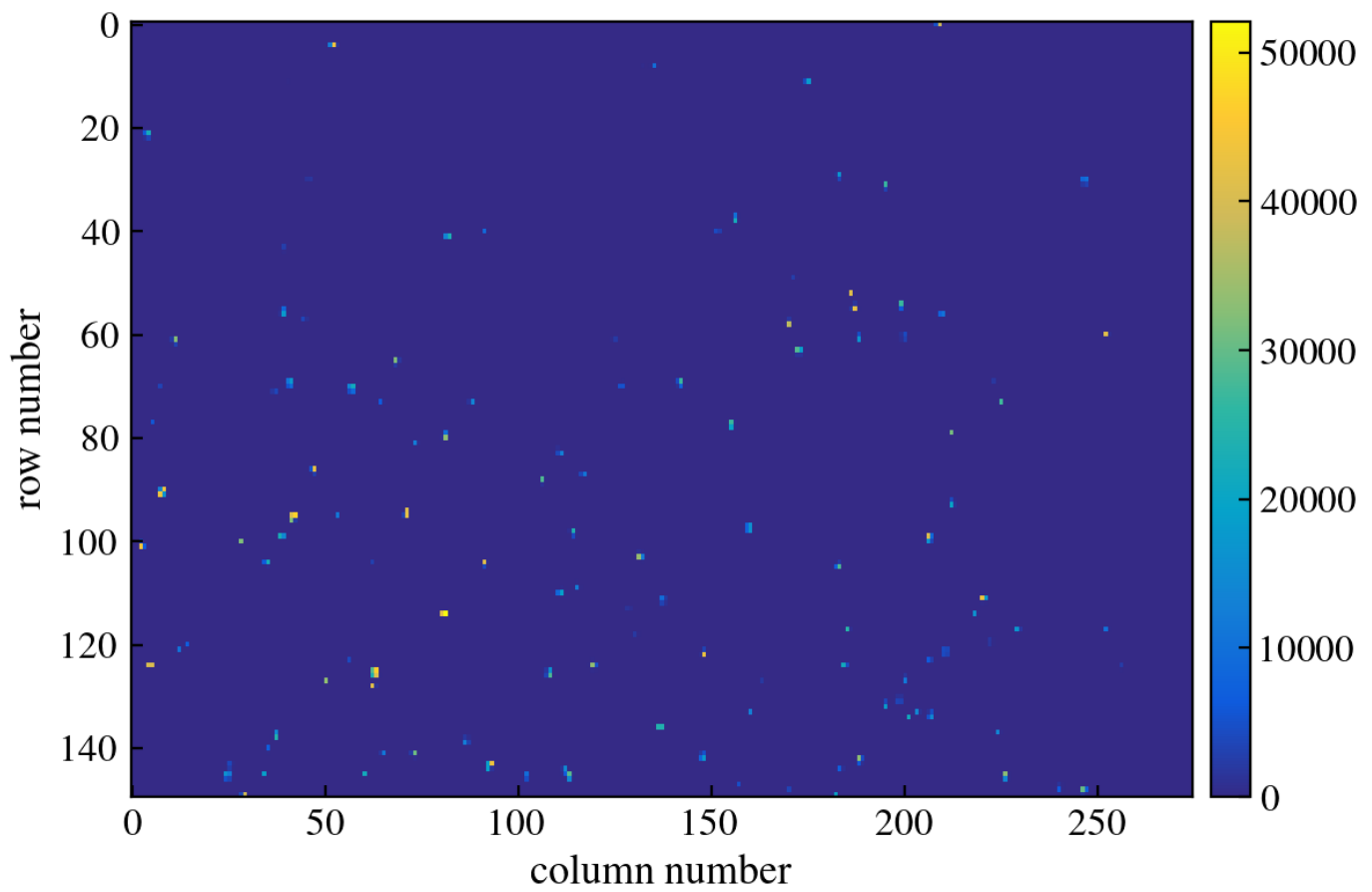


Figure 94: CCD Image

CCD Image: run 154, image 155  
[class MECCDImage]

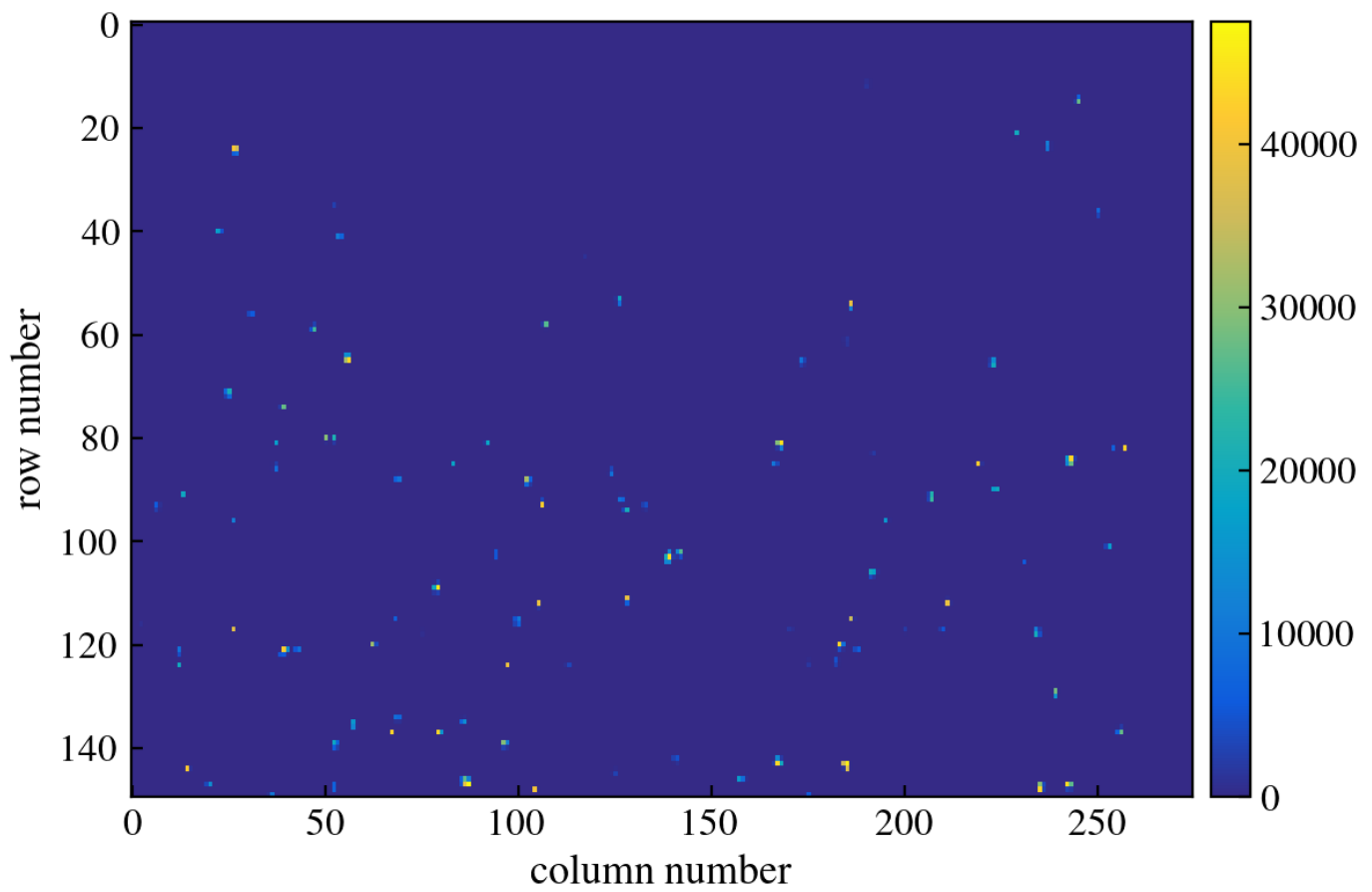


Figure 95: CCD Image

CCD Image: run 154, image 156  
[class MECCDImage]

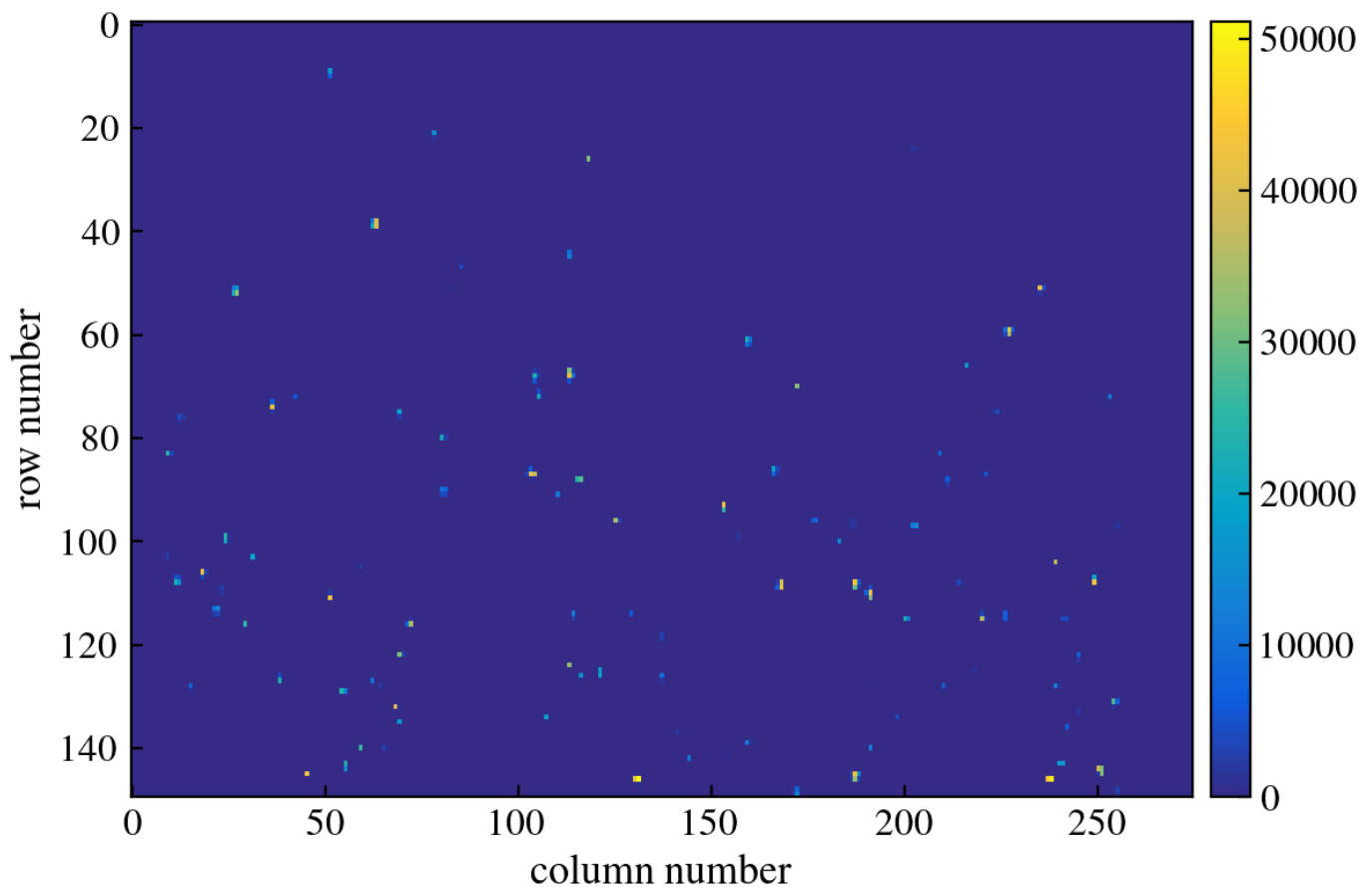


Figure 96: CCD Image

CCD Image: run 154, image 157  
[class MECCDImage]

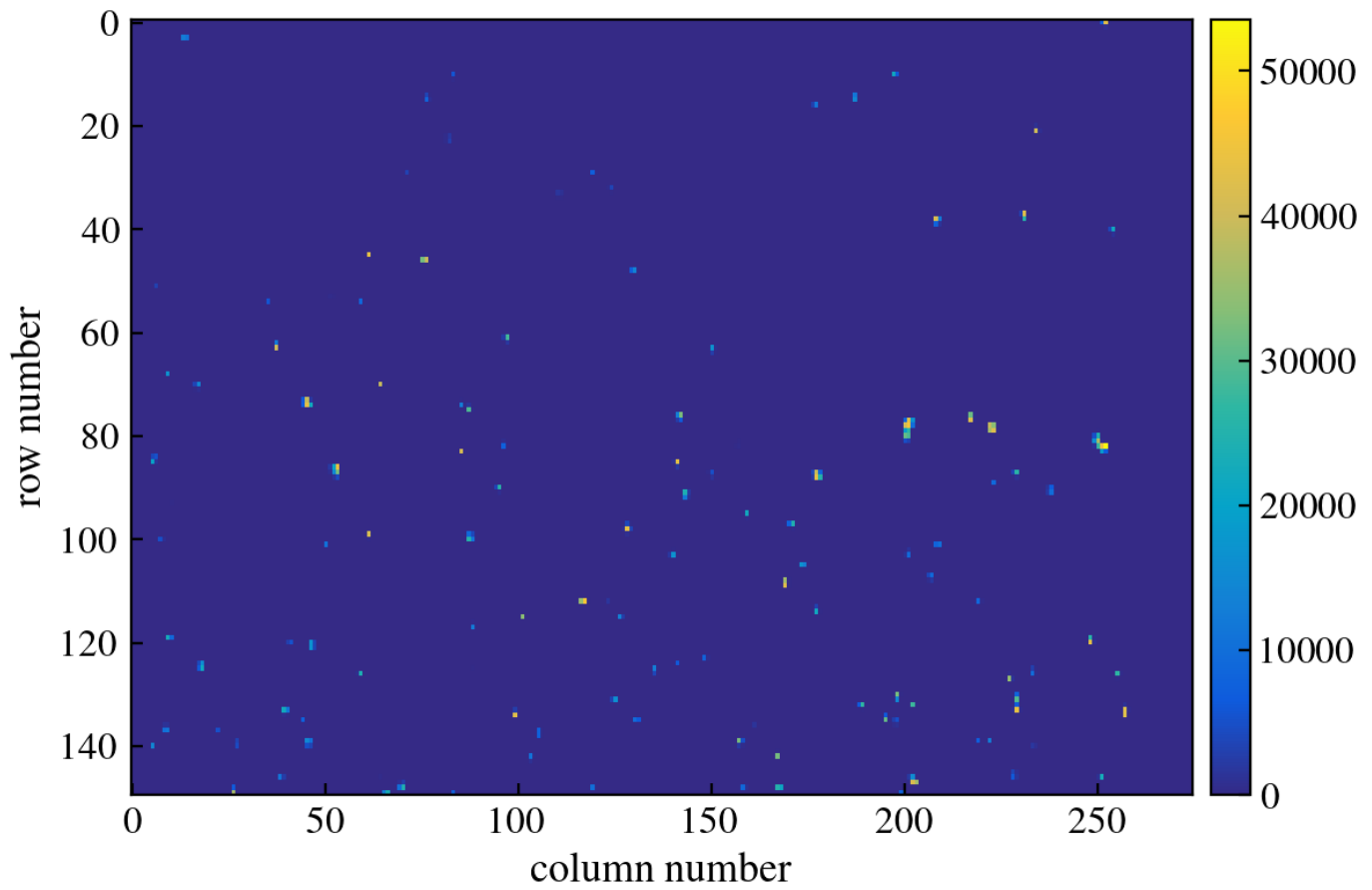


Figure 97: CCD Image

CCD Image: run 154, image 158  
[class MECCDImage]

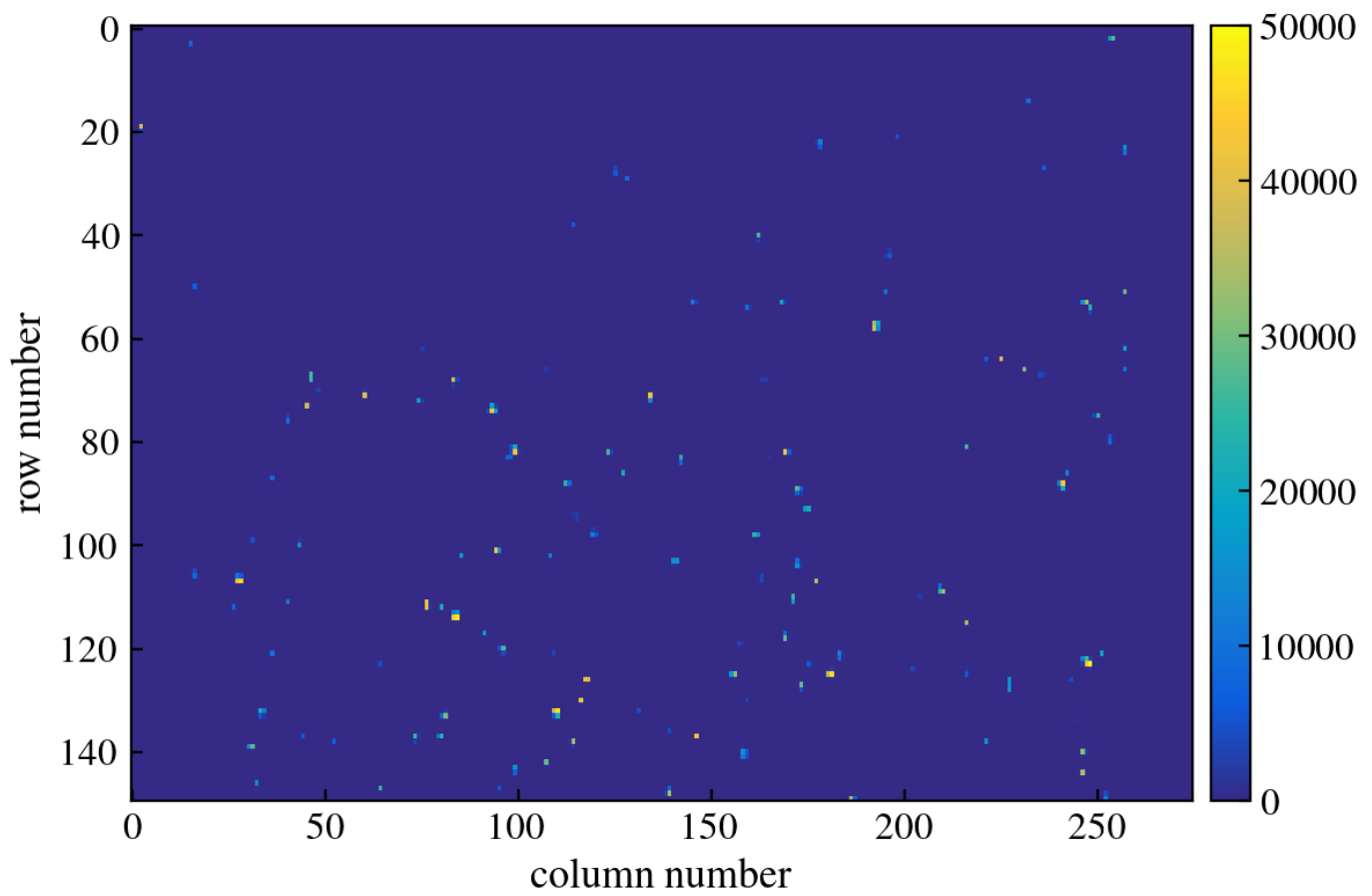


Figure 98: CCD Image

CCD Image: run 154, image 159  
[class MECCDImage]

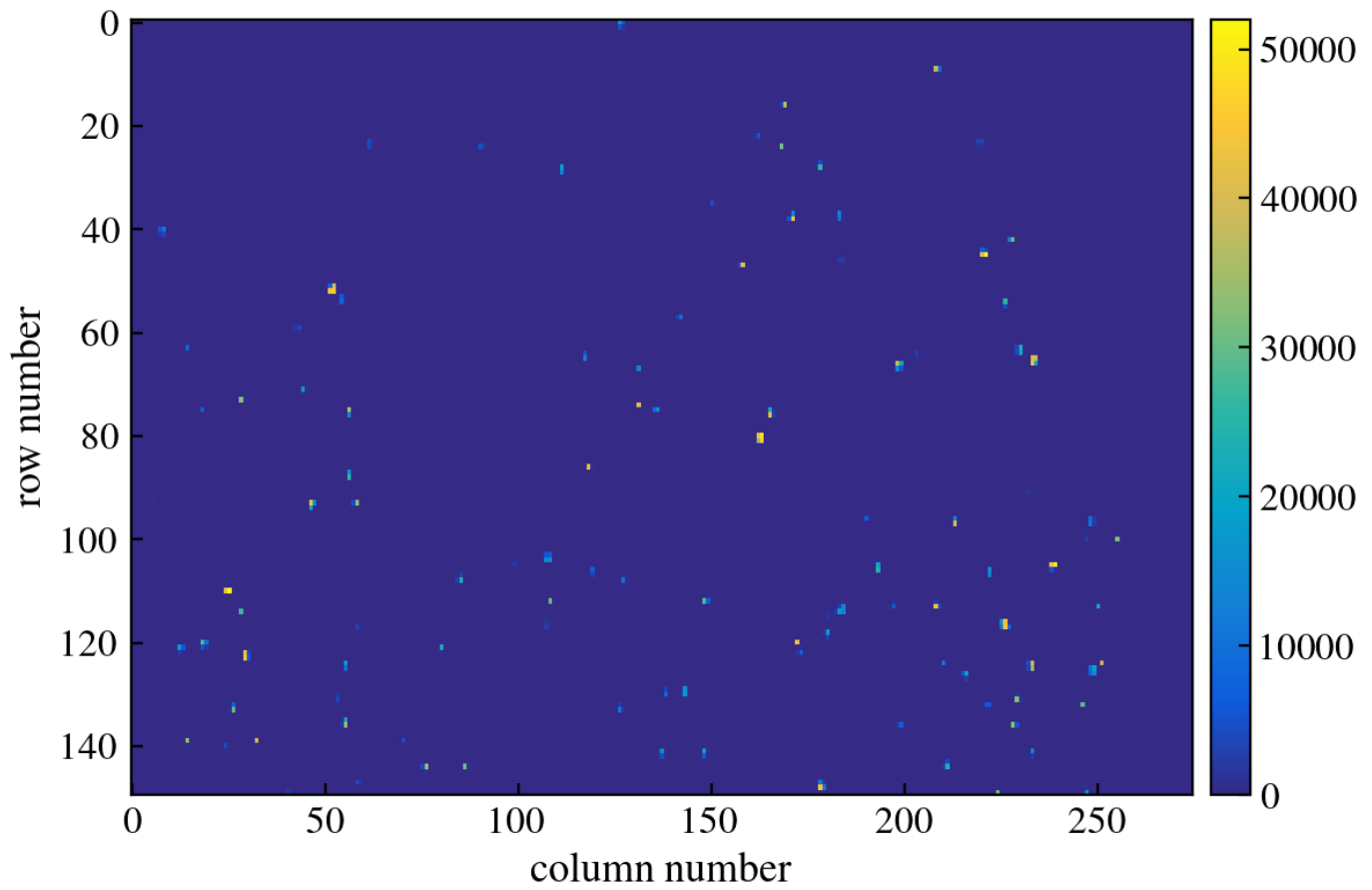


Figure 99: CCD Image



CCD Image: run 154, image 16  
[class MECCDImage]

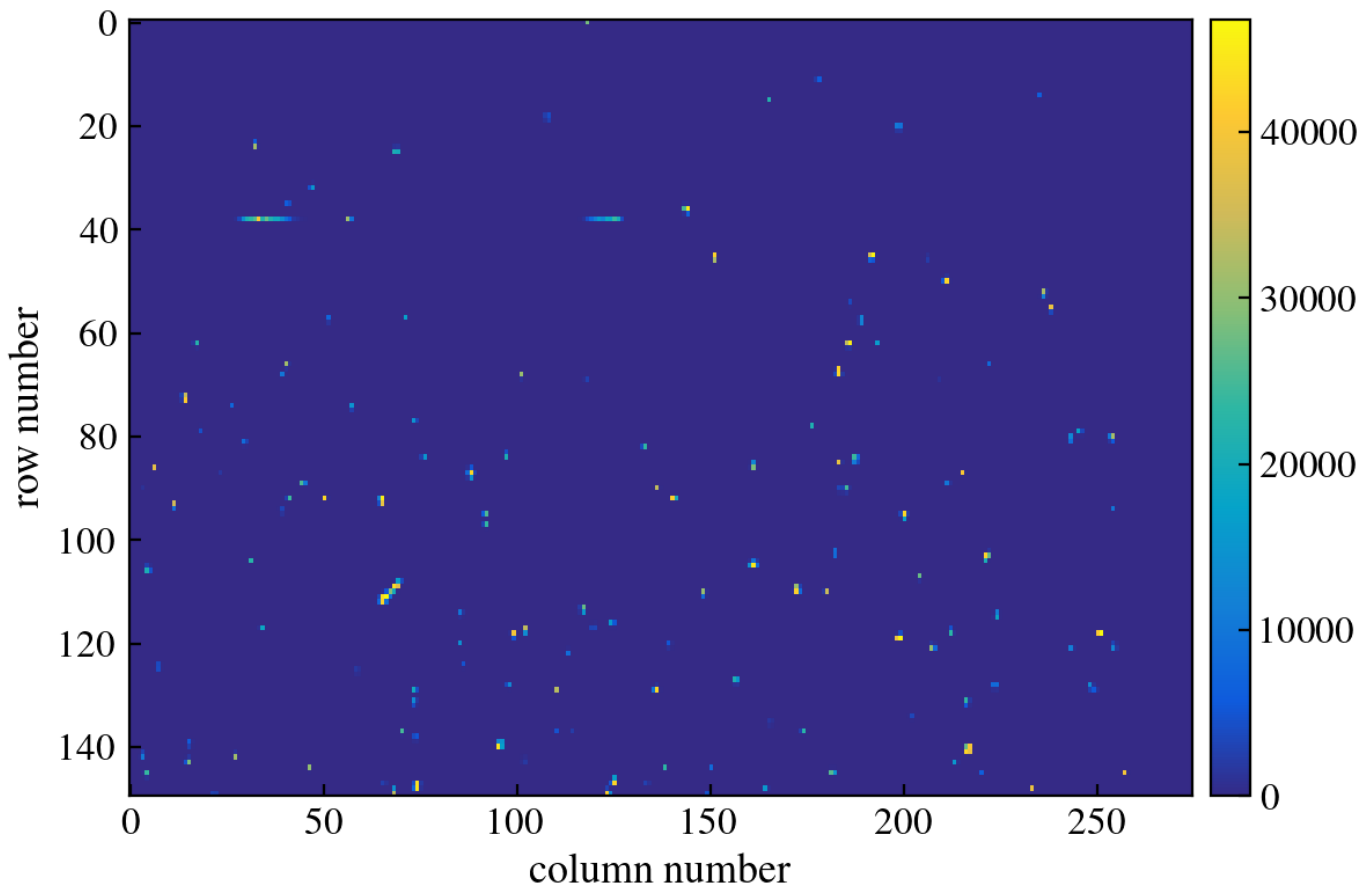


Figure 100: CCD Image

CCD Image: run 154, image 160  
[class MECCDImage]

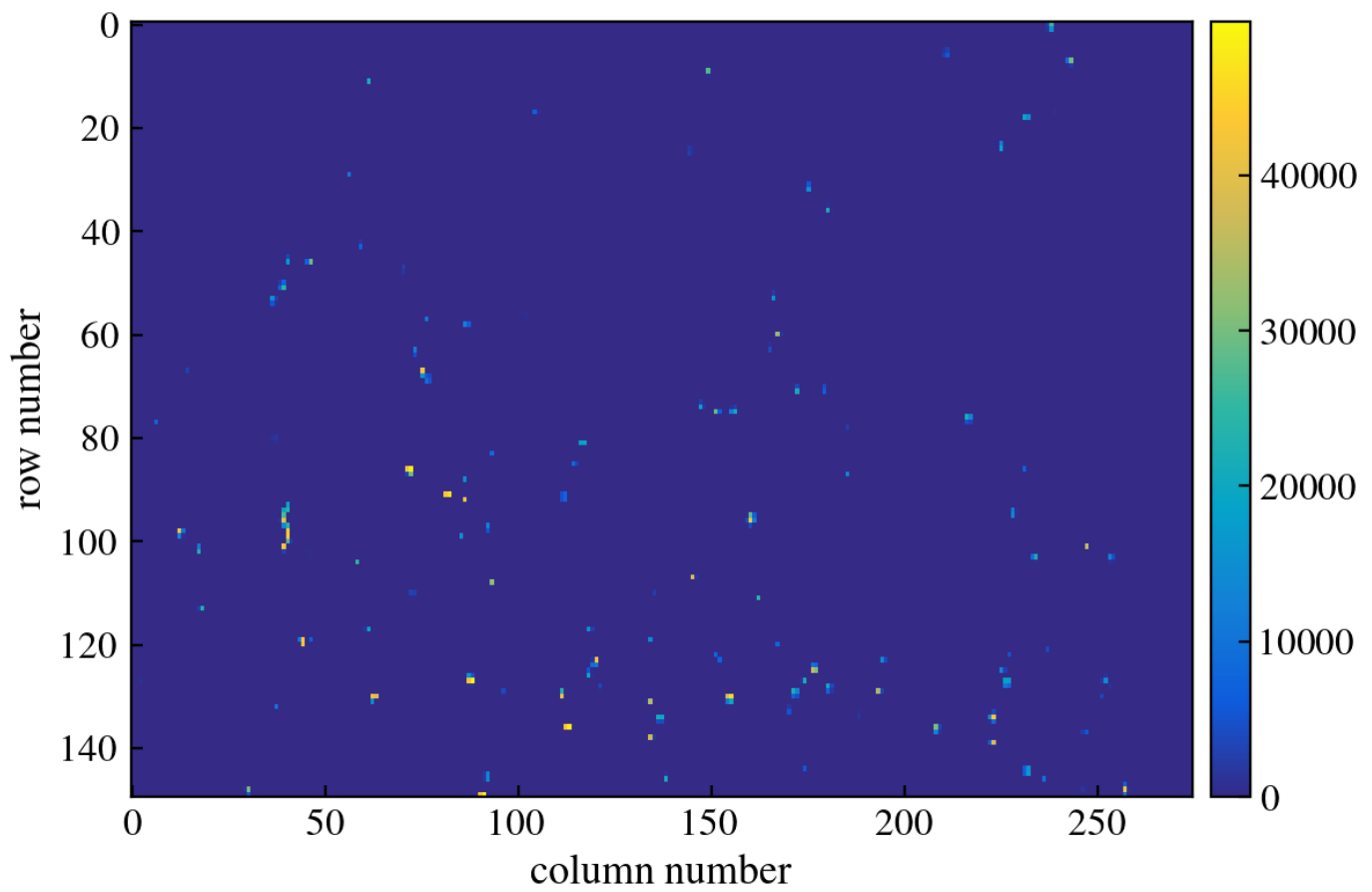


Figure 101: CCD Image

CCD Image: run 154, image 161  
[class MECCDImage]

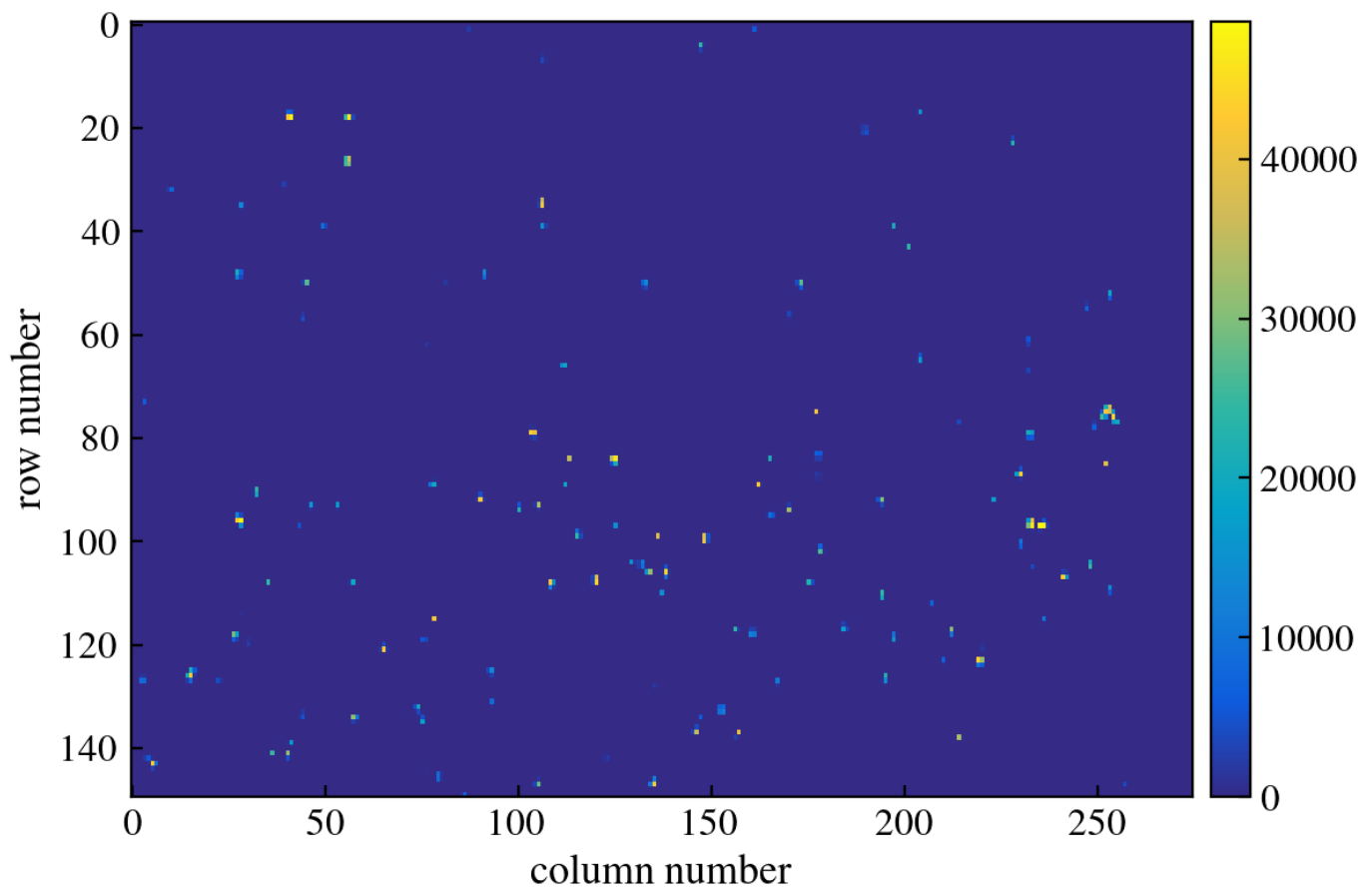


Figure 102: CCD Image

CCD Image: run 154, image 162  
[class MECCDImage]

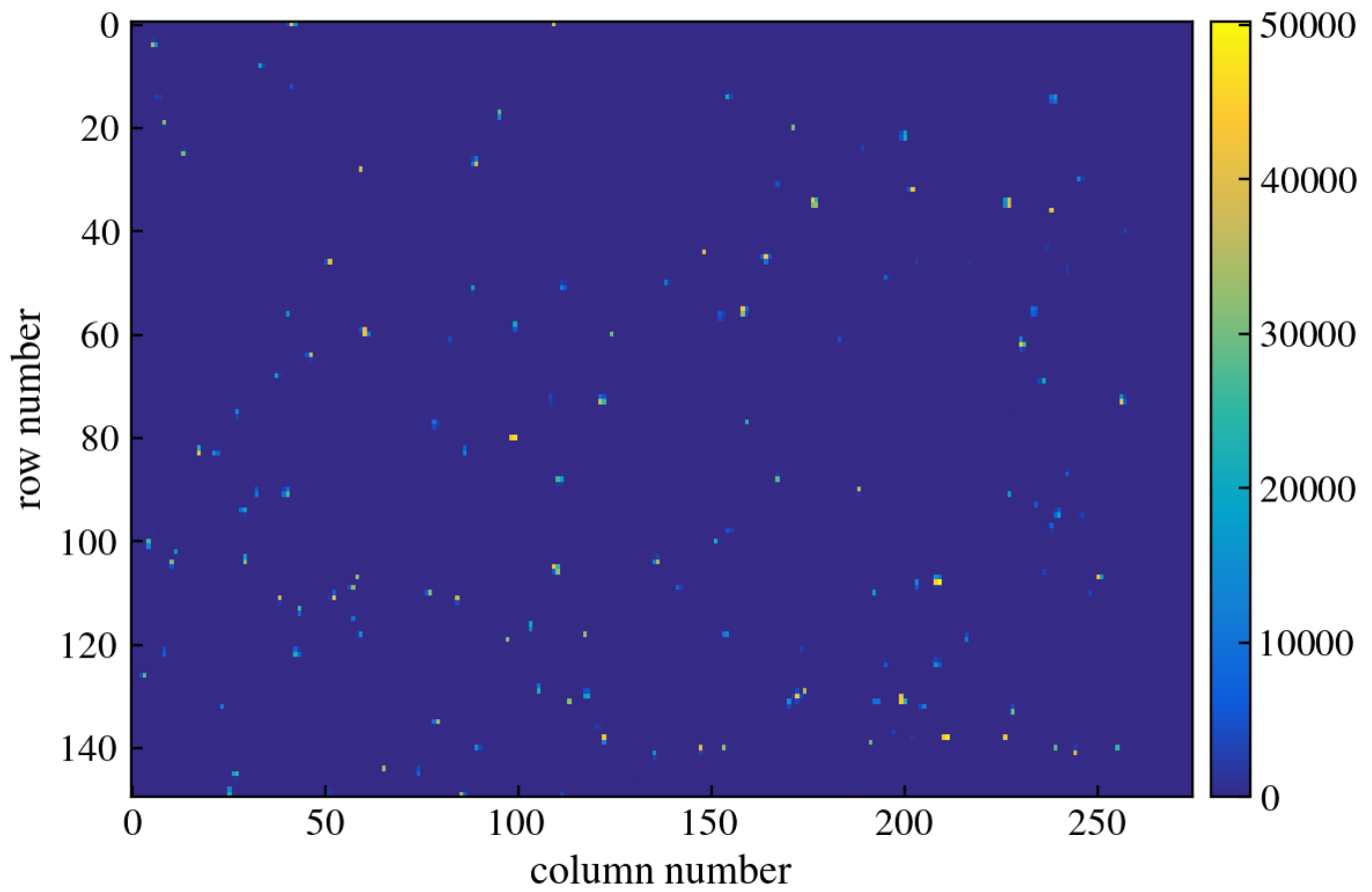


Figure 103: CCD Image

CCD Image: run 154, image 163  
[class MECCDImage]

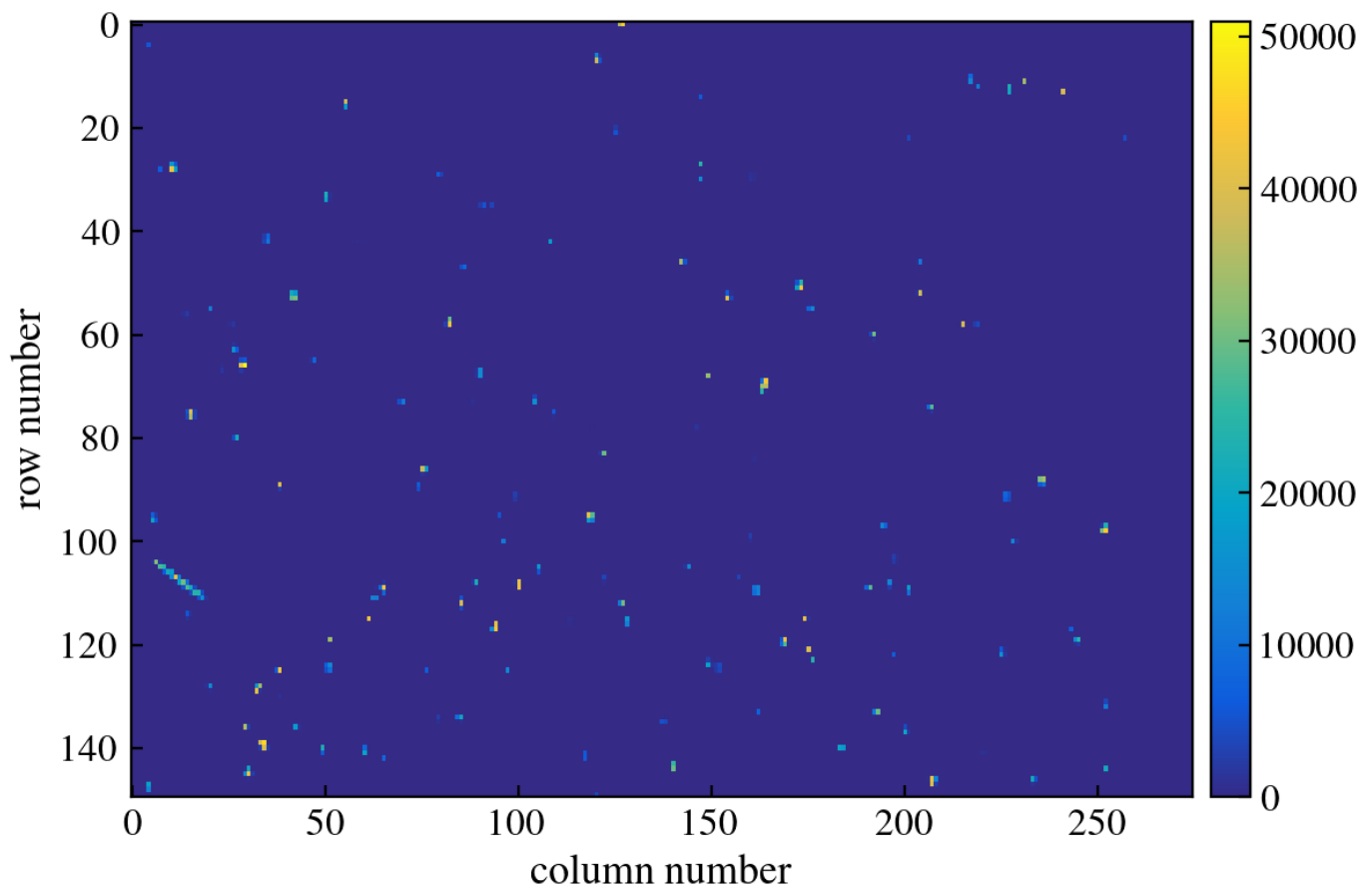


Figure 104: CCD Image

CCD Image: run 154, image 164  
[class MECCDImage]

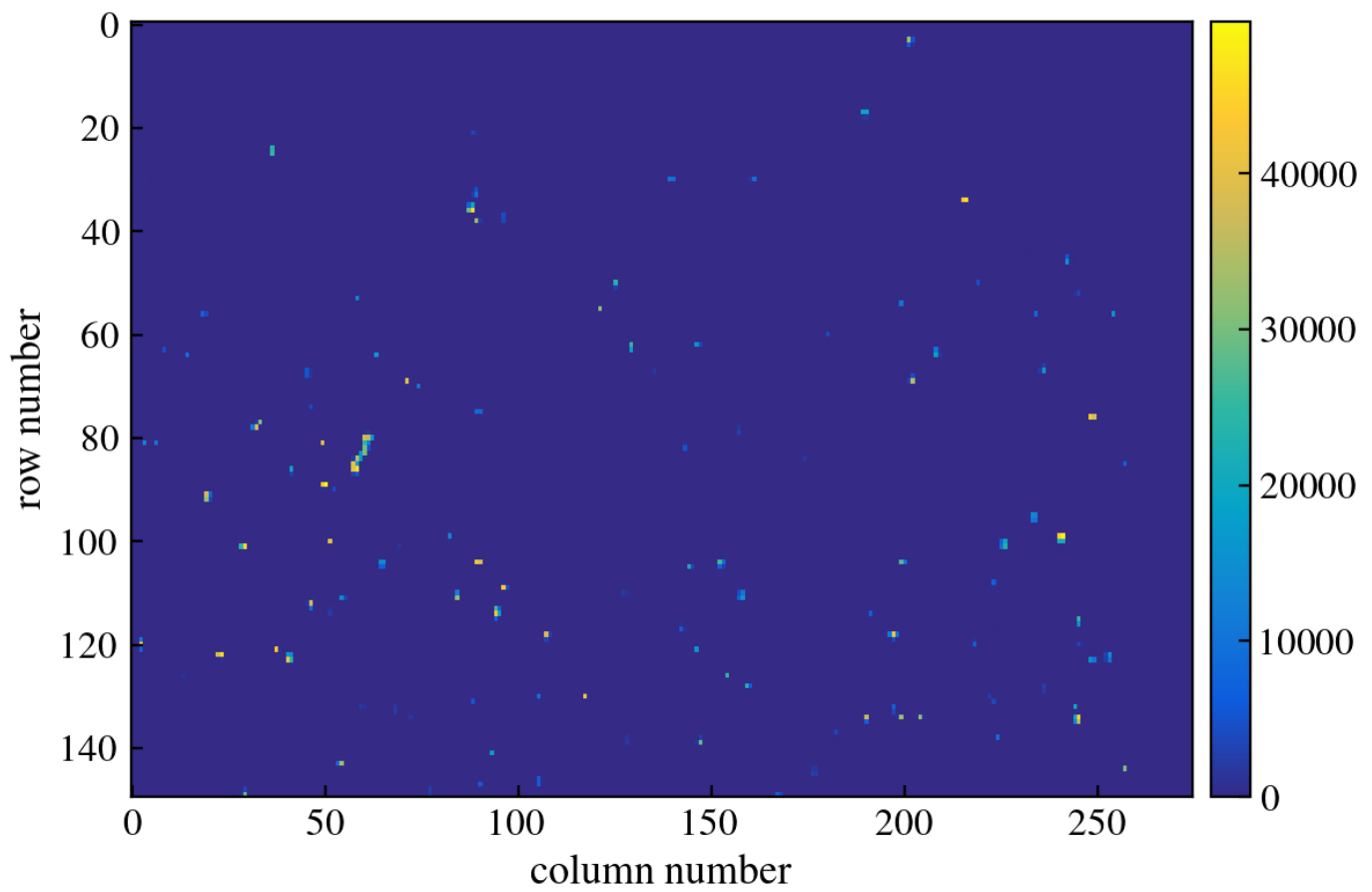


Figure 105: CCD Image

CCD Image: run 154, image 165  
[class MECCDImage]

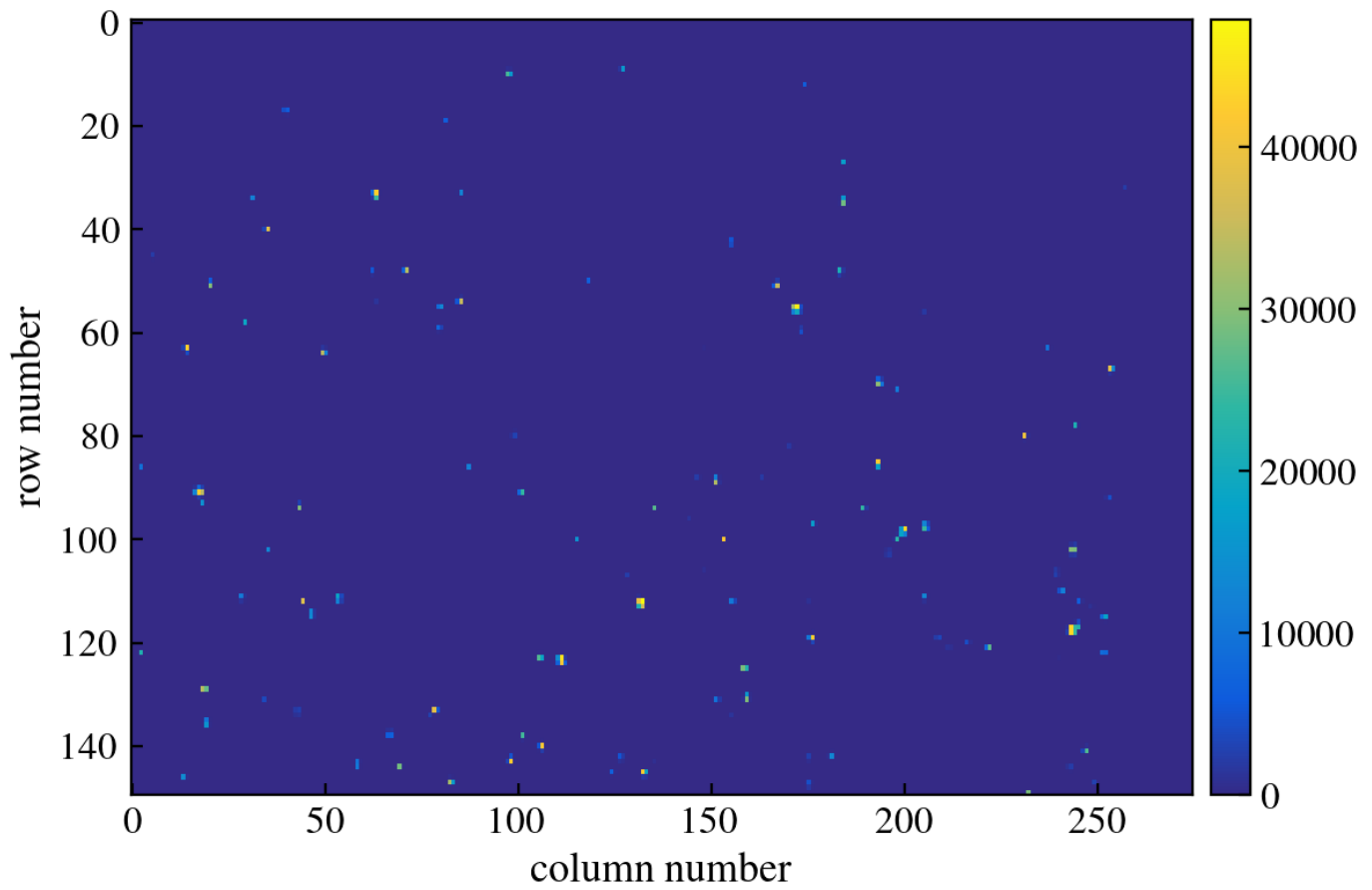


Figure 106: CCD Image

CCD Image: run 154, image 166  
[class MECCDImage]

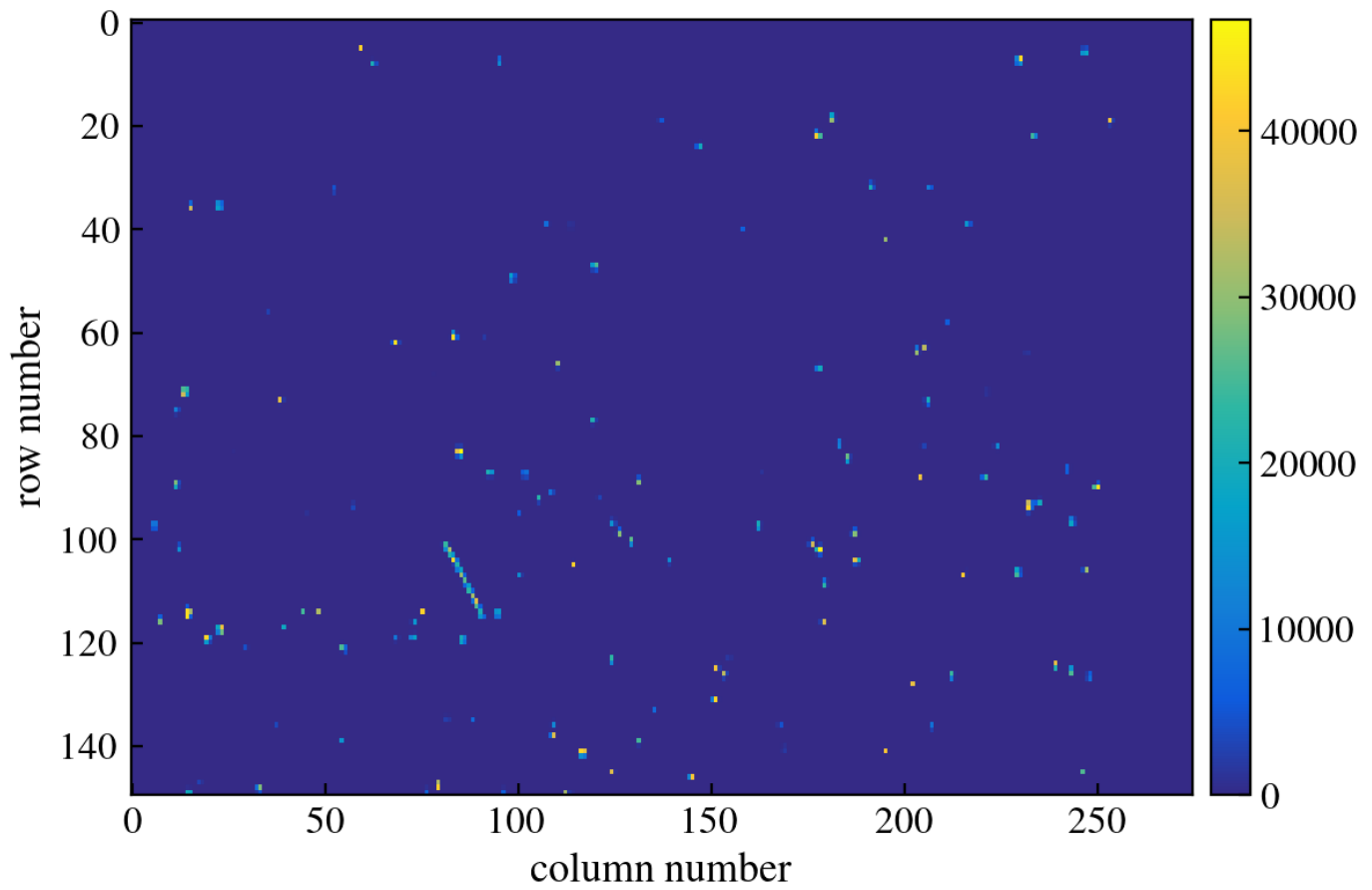


Figure 107: CCD Image



CCD Image: run 154, image 167  
[class MECCDImage]

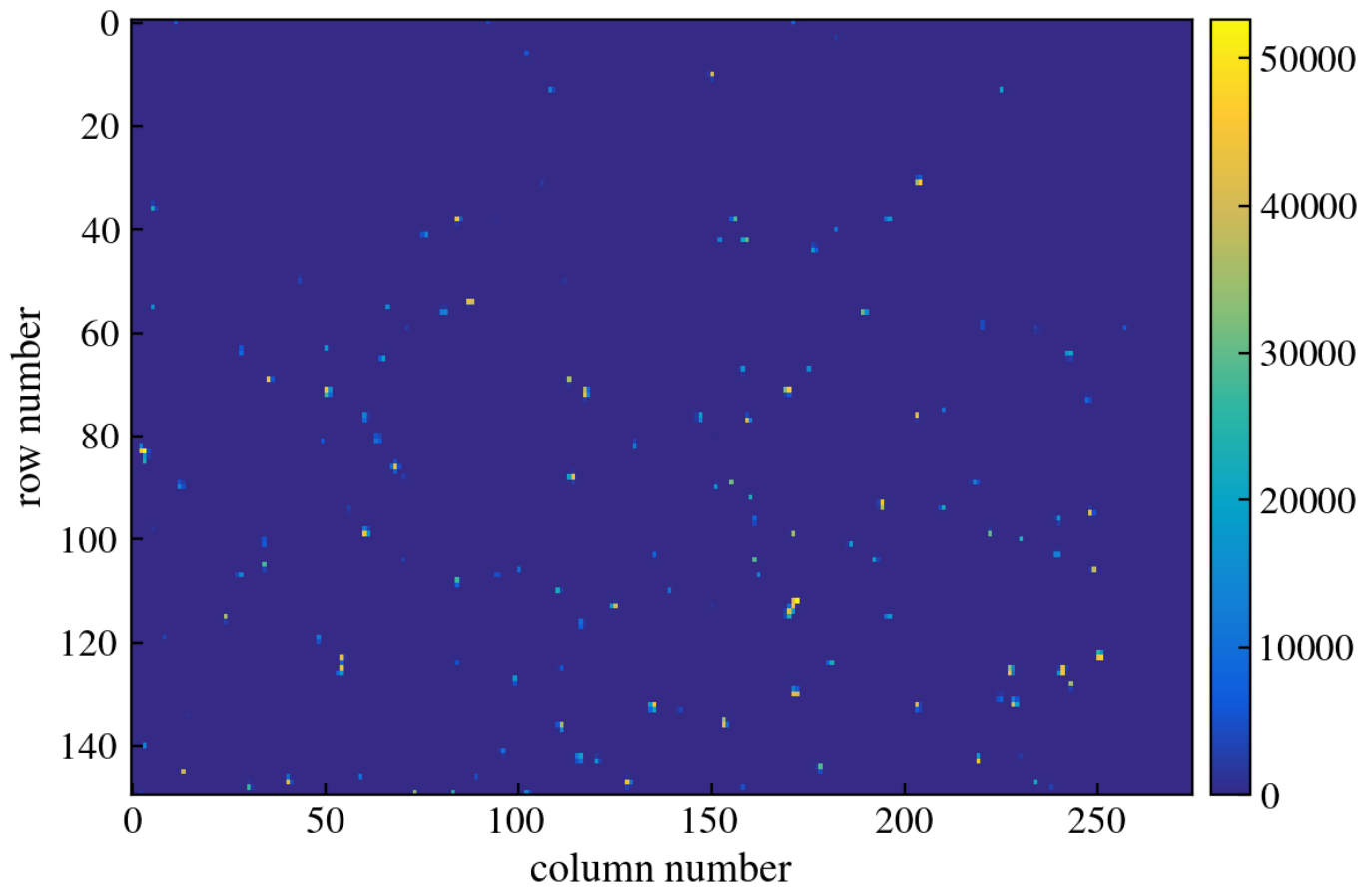


Figure 108: CCD Image

CCD Image: run 154, image 168  
[class MECCDImage]

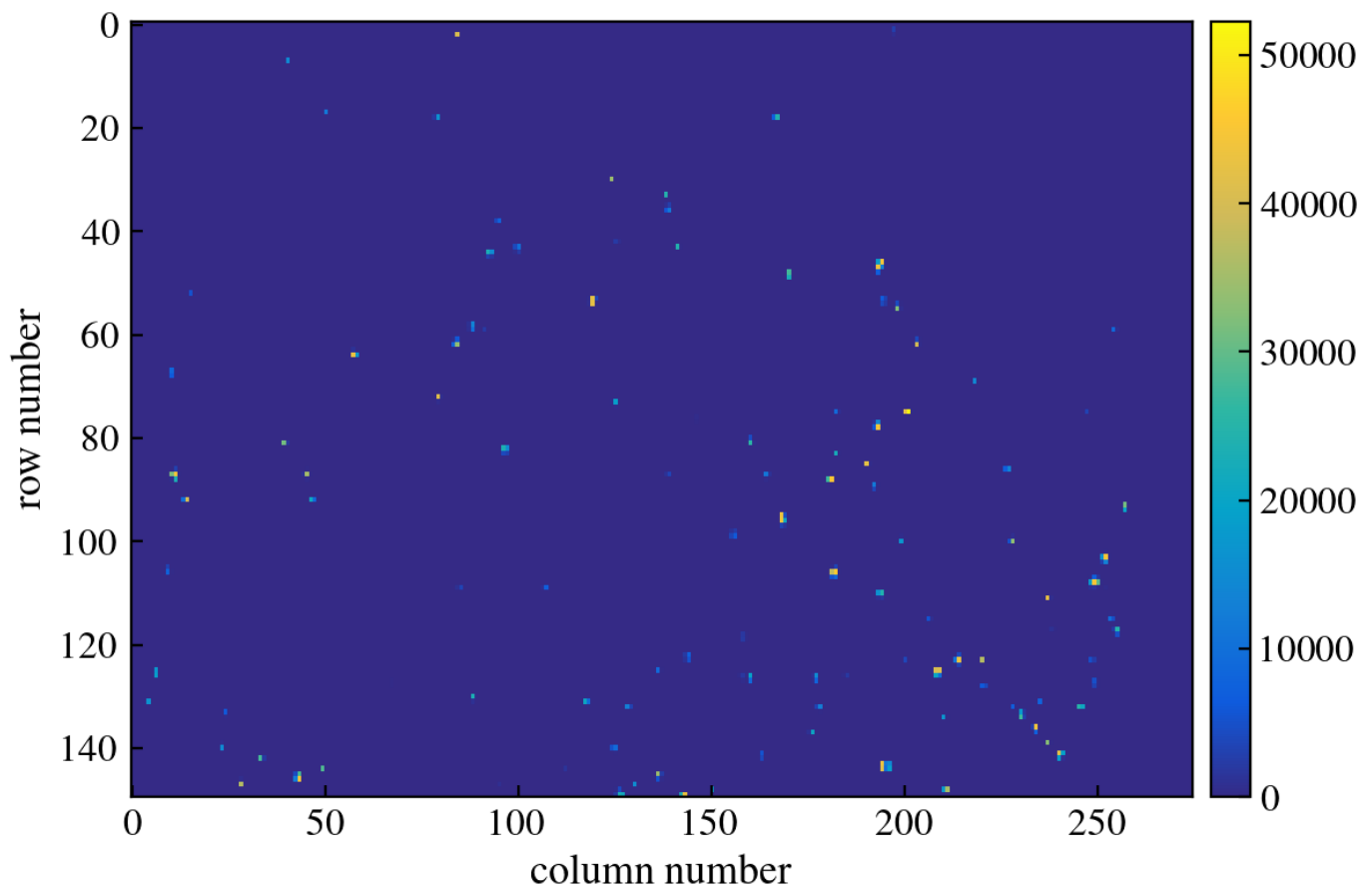


Figure 109: CCD Image

CCD Image: run 154, image 169  
[class MECCDImage]

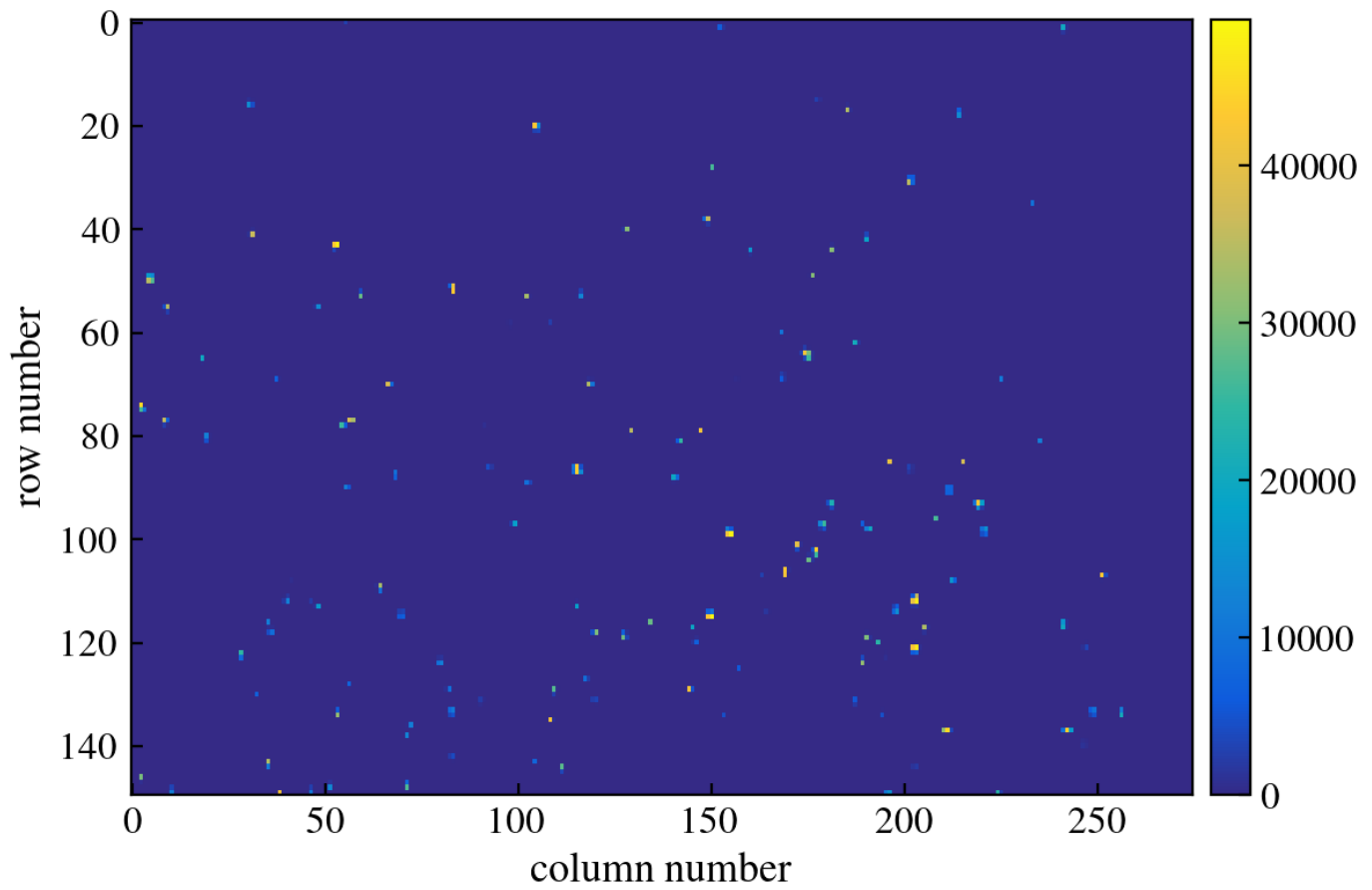


Figure 110: CCD Image

CCD Image: run 154, image 17  
[class MECCDImage]

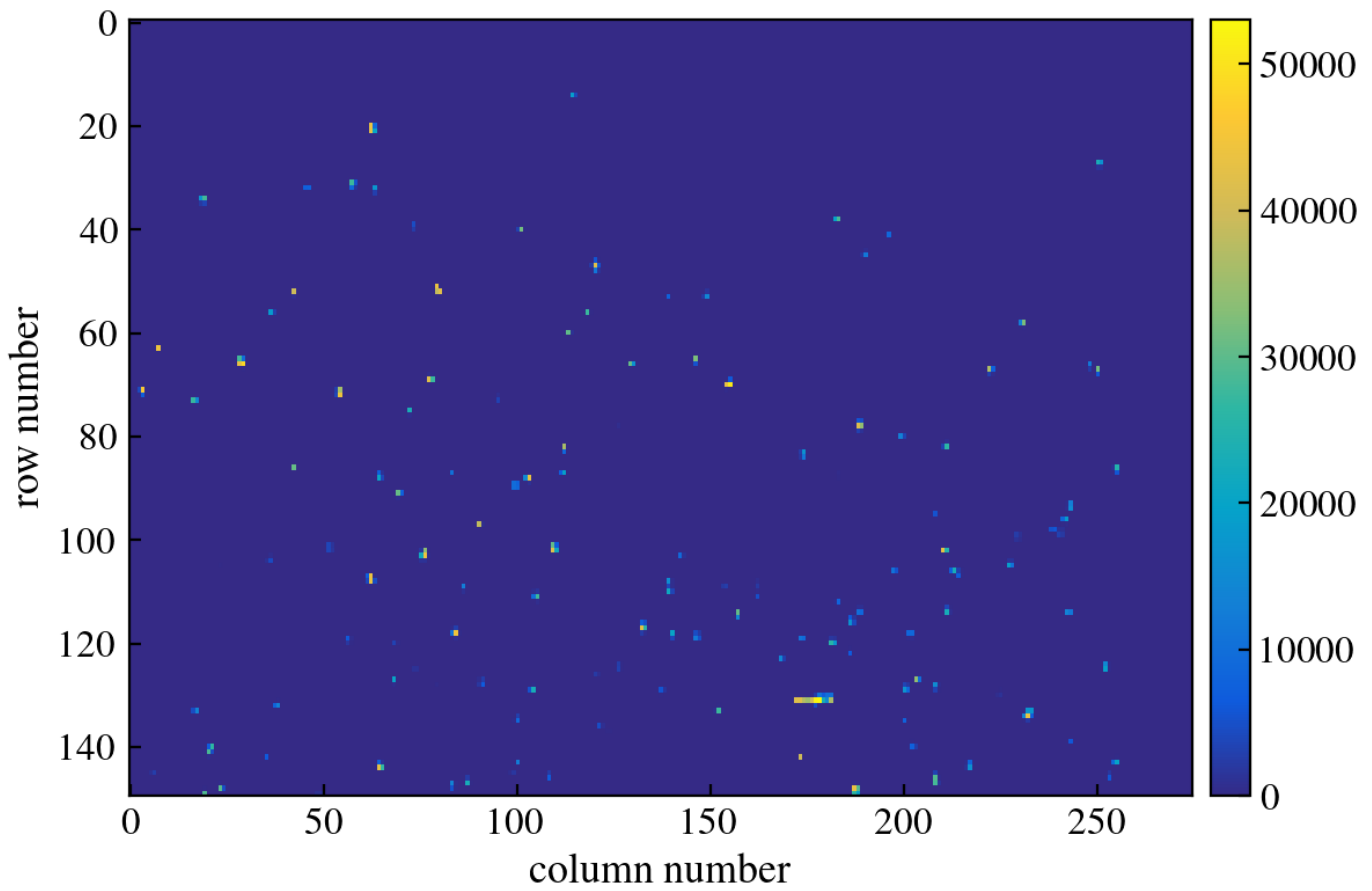


Figure 111: CCD Image

CCD Image: run 154, image 170  
[class MECCDImage]

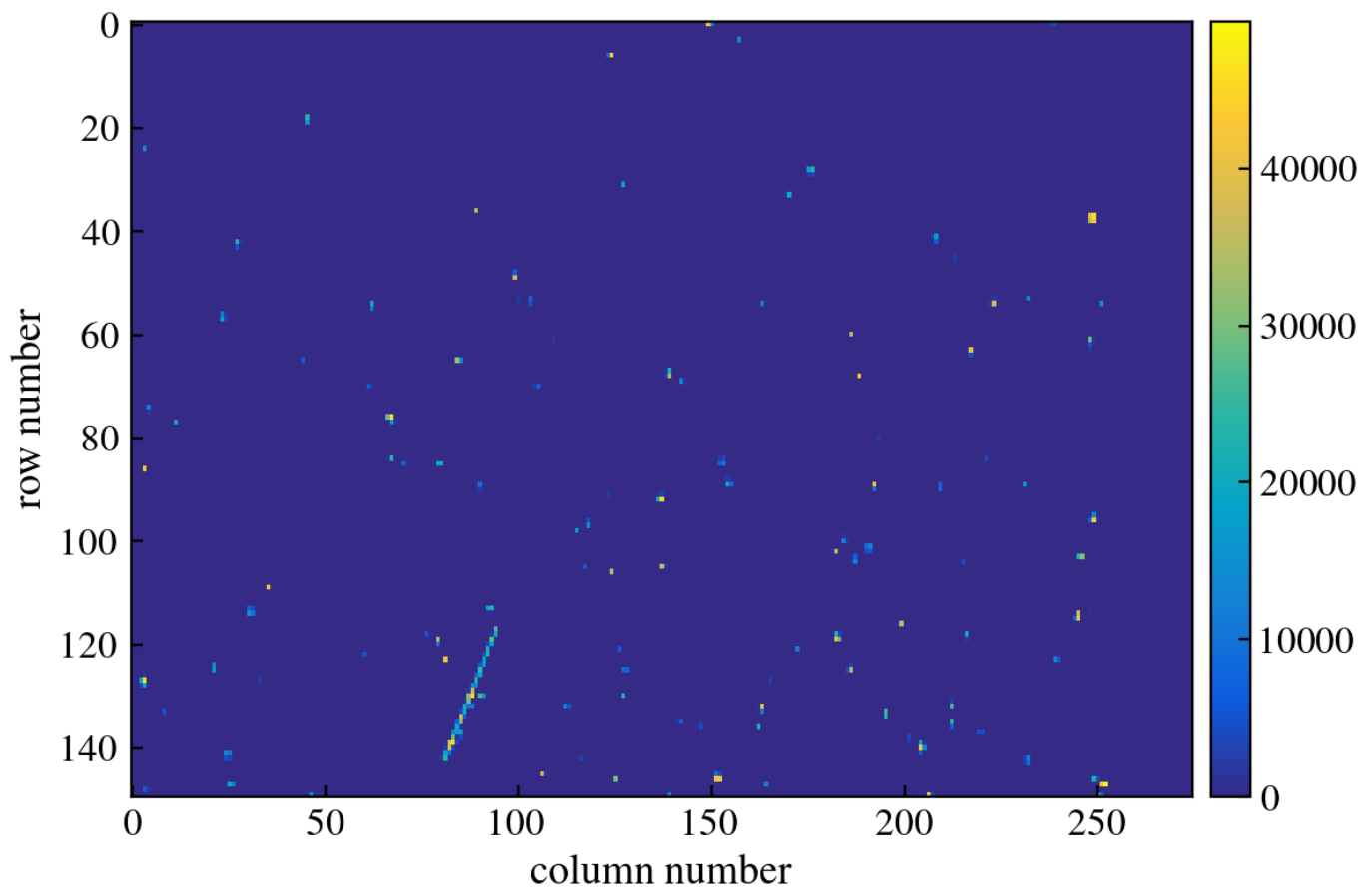


Figure 112: CCD Image

CCD Image: run 154, image 171  
[class MECCDImage]

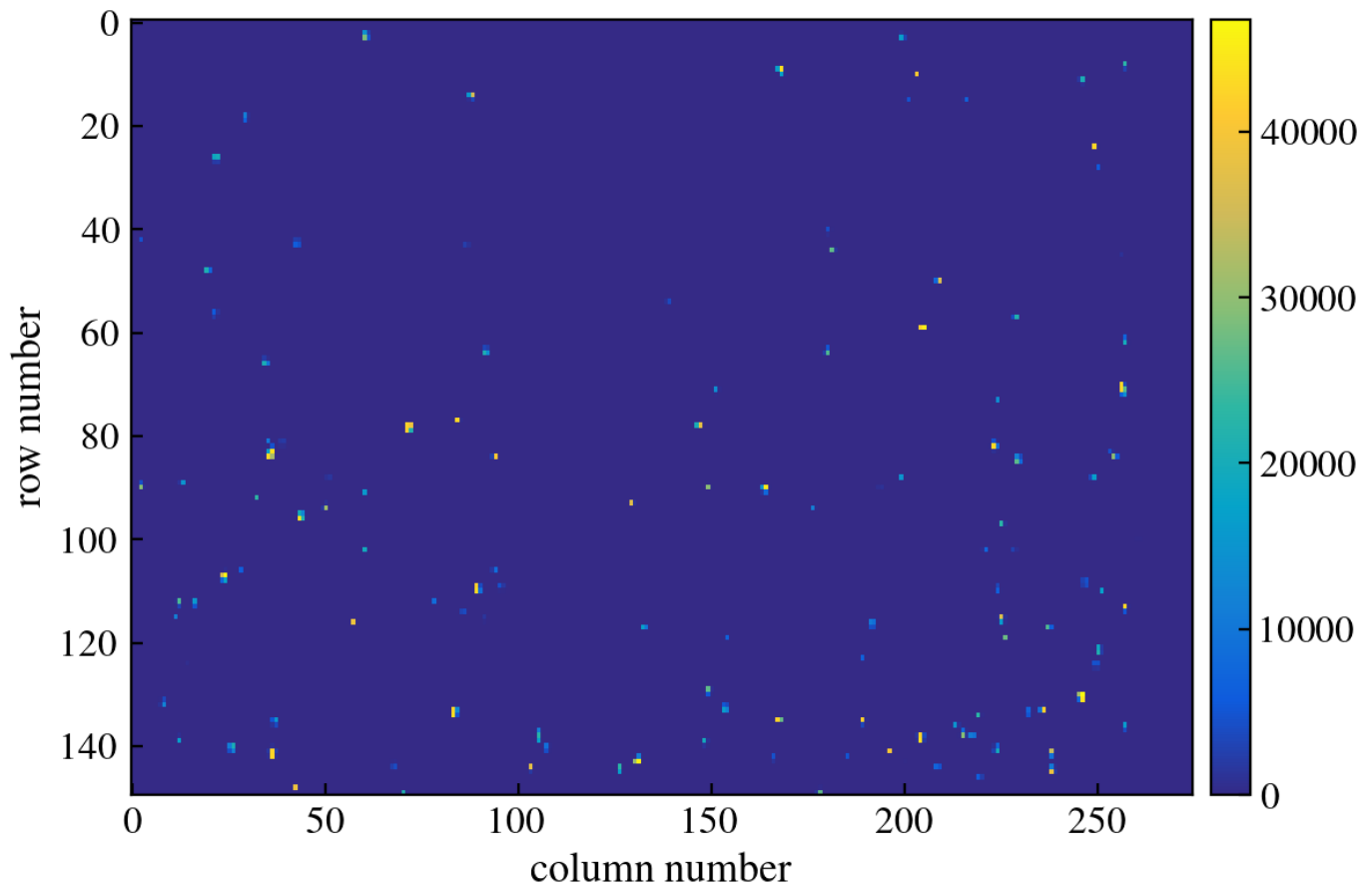


Figure 113: CCD Image

CCD Image: run 154, image 172  
[class MECCDImage]

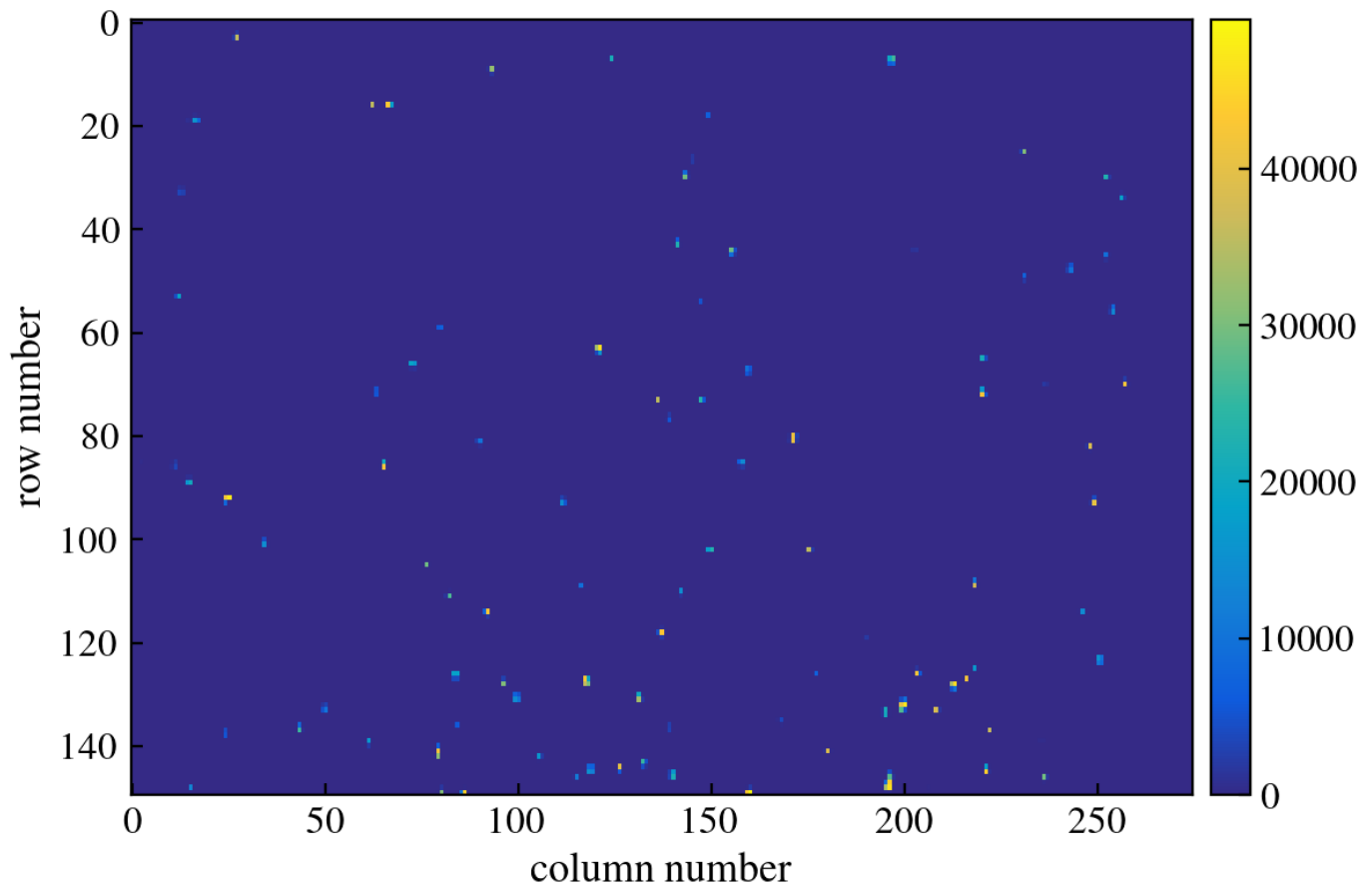


Figure 114: CCD Image

CCD Image: run 154, image 173  
[class MECCDImage]

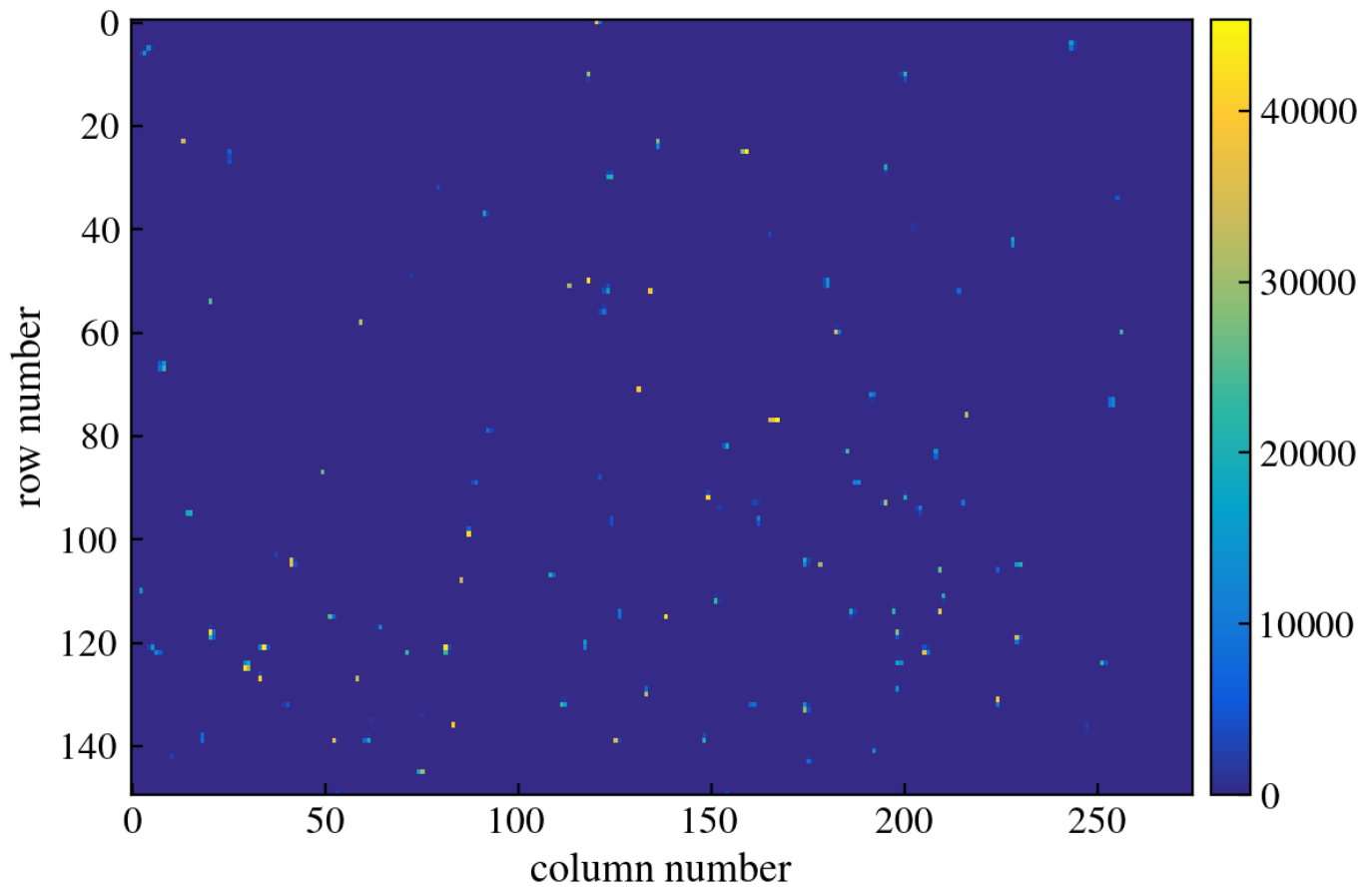


Figure 115: CCD Image



CCD Image: run 154, image 174  
[class MECCDImage]

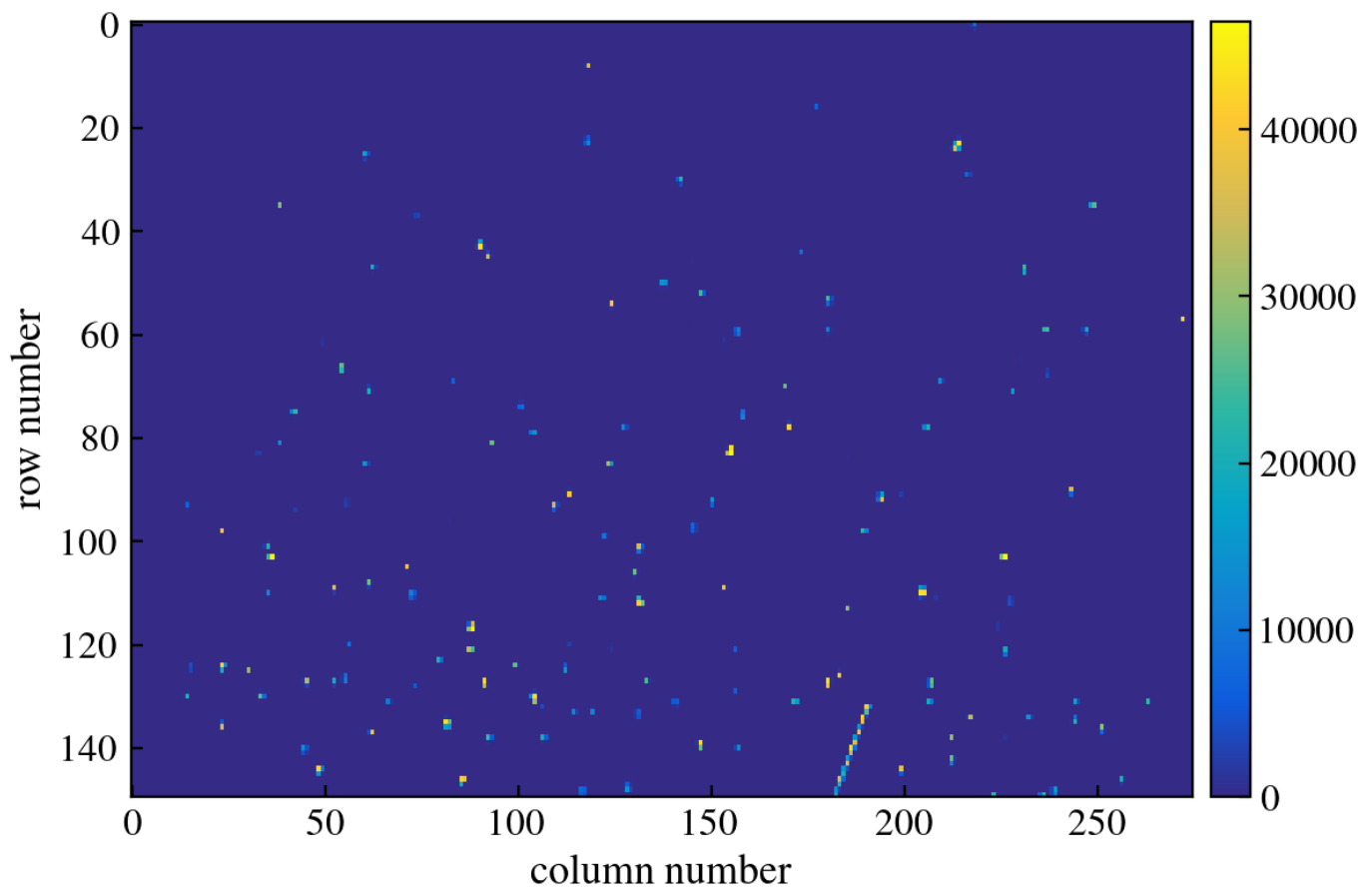


Figure 116: CCD Image

CCD Image: run 154, image 175  
[class MECCDImage]

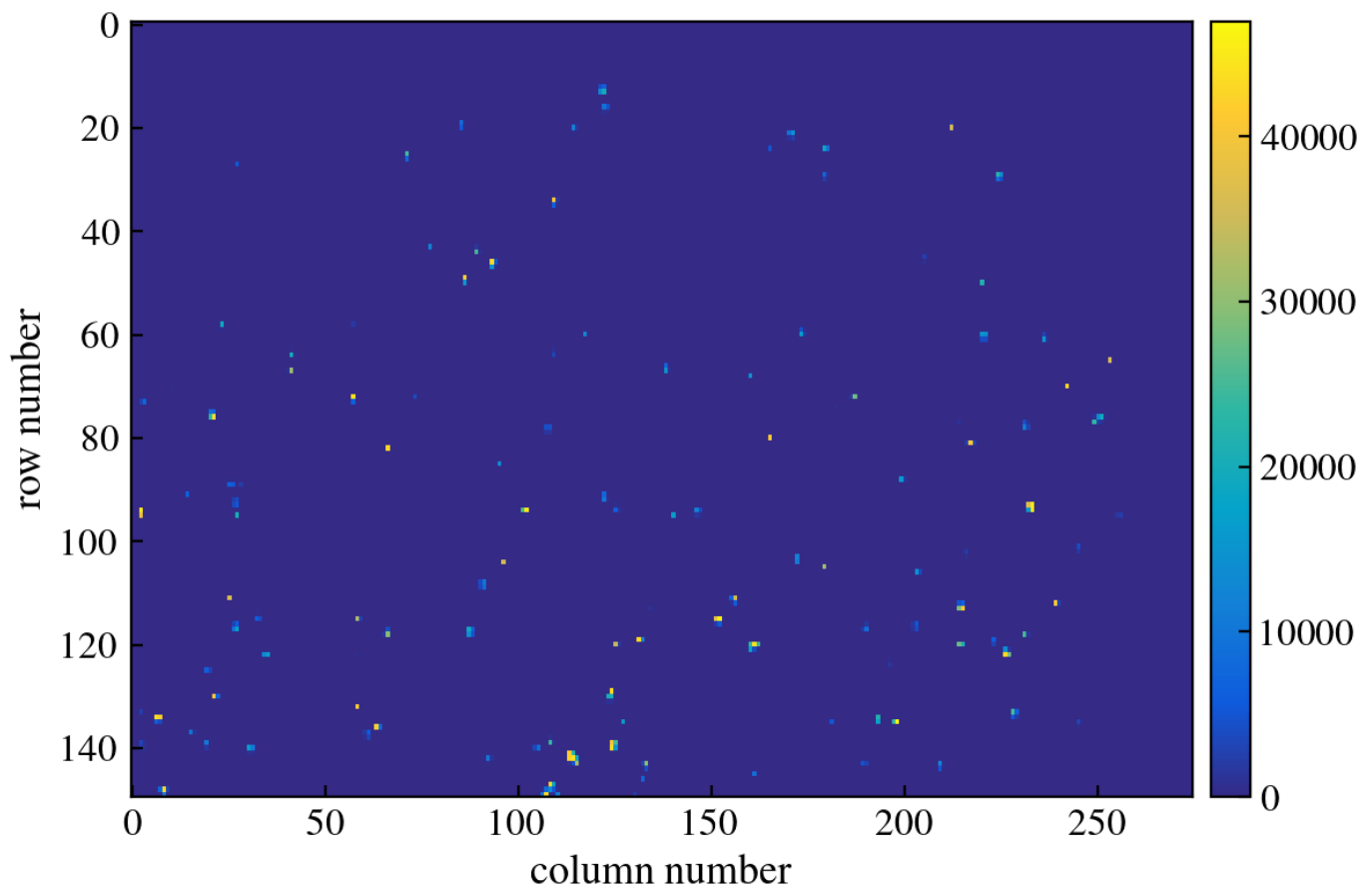


Figure 117: CCD Image

CCD Image: run 154, image 176  
[class MECCDImage]

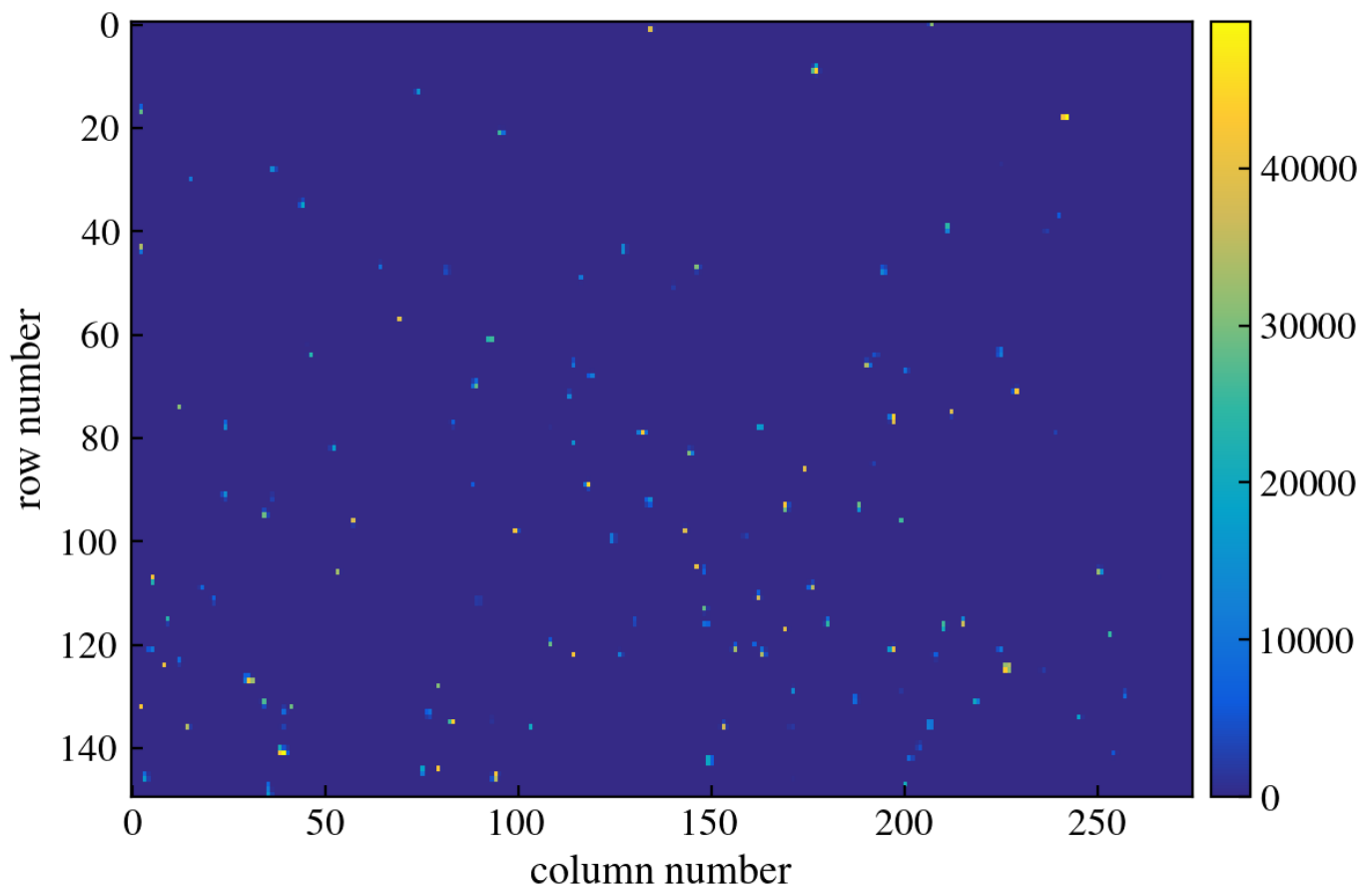


Figure 118: CCD Image

CCD Image: run 154, image 177  
[class MECCDImage]

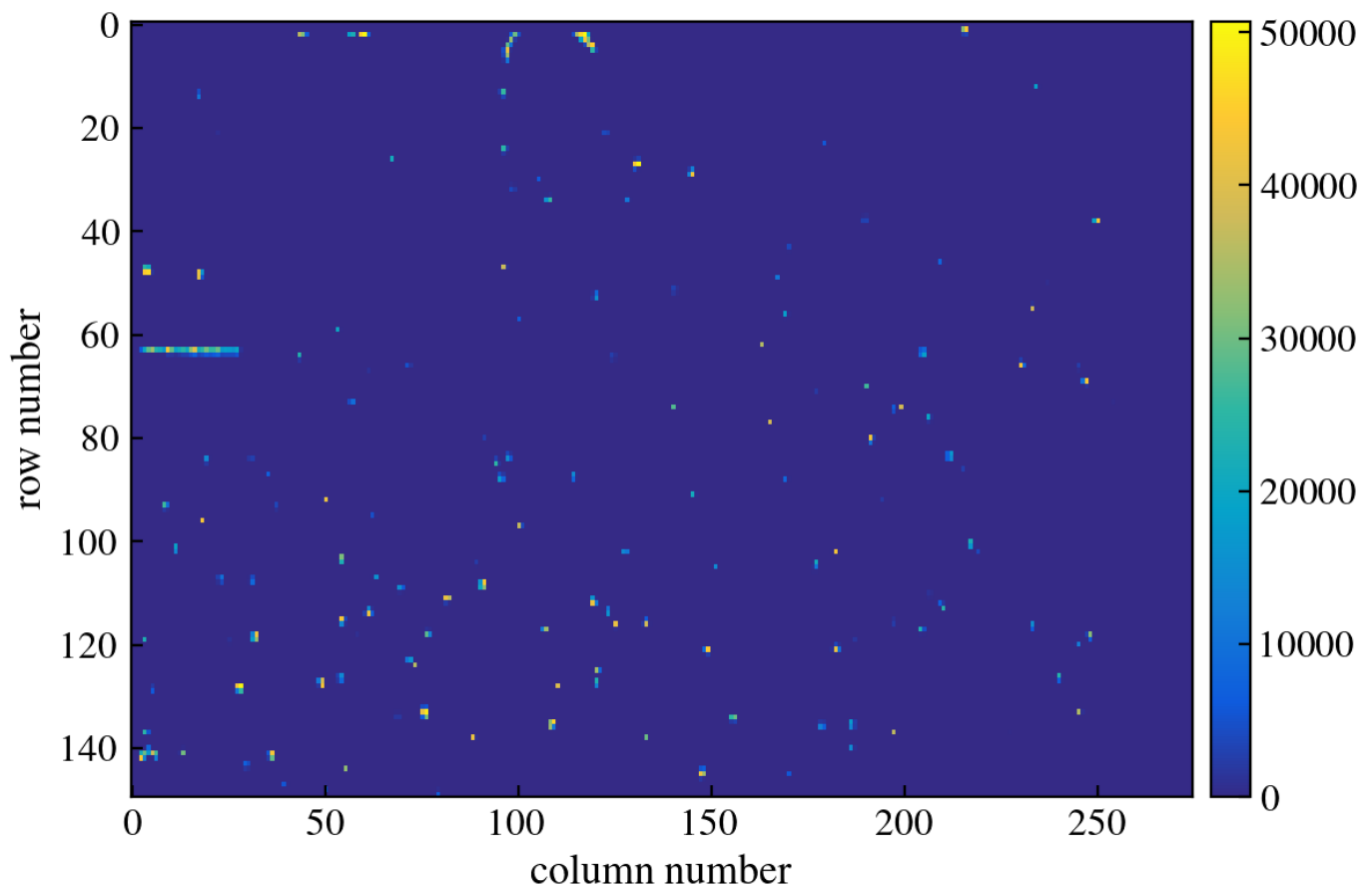


Figure 119: CCD Image

CCD Image: run 154, image 178  
[class MECCDImage]

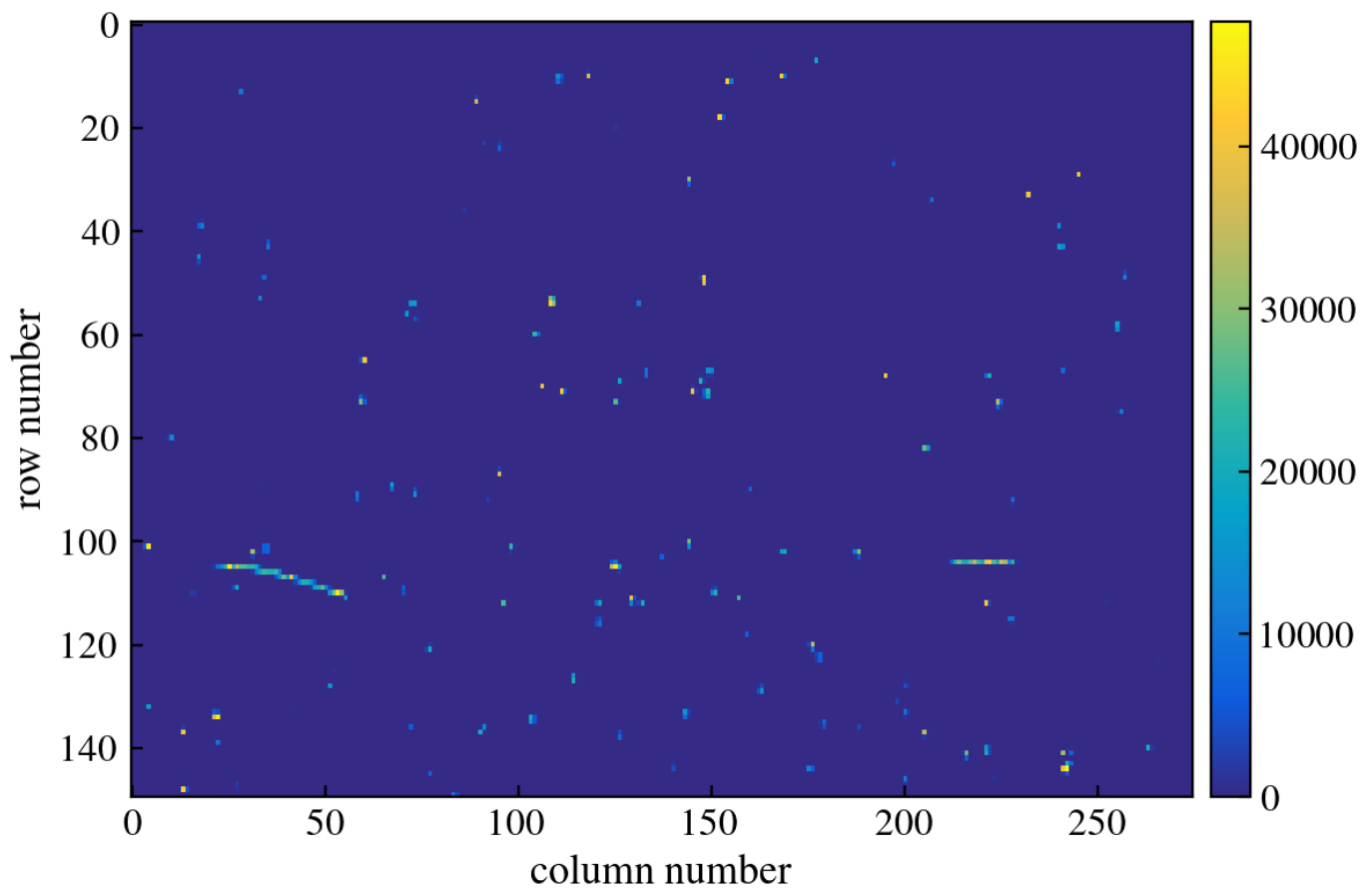


Figure 120: CCD Image

CCD Image: run 154, image 179  
[class MECCDImage]

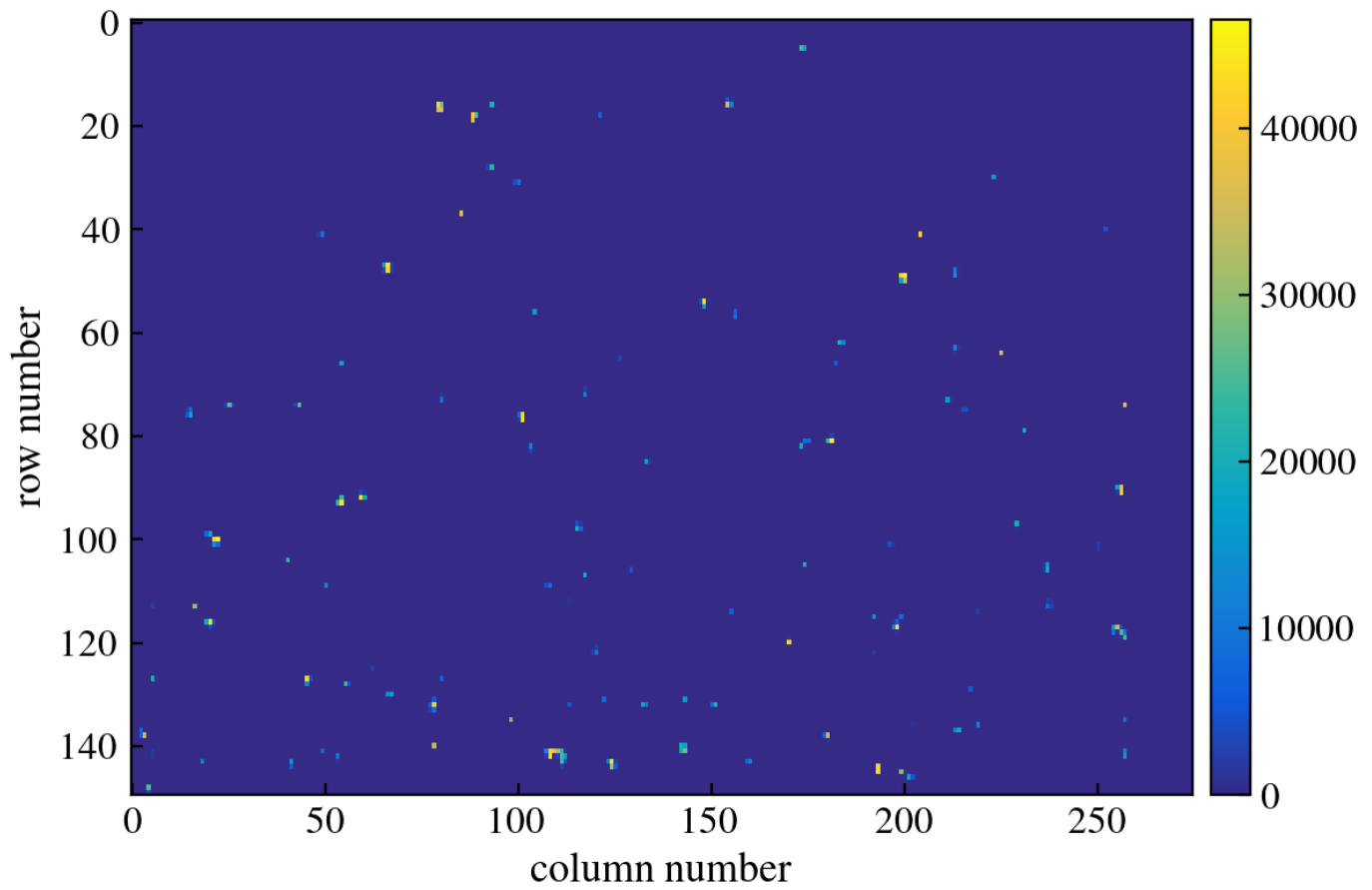


Figure 121: CCD Image

CCD Image: run 154, image 18  
[class MECCDImage]

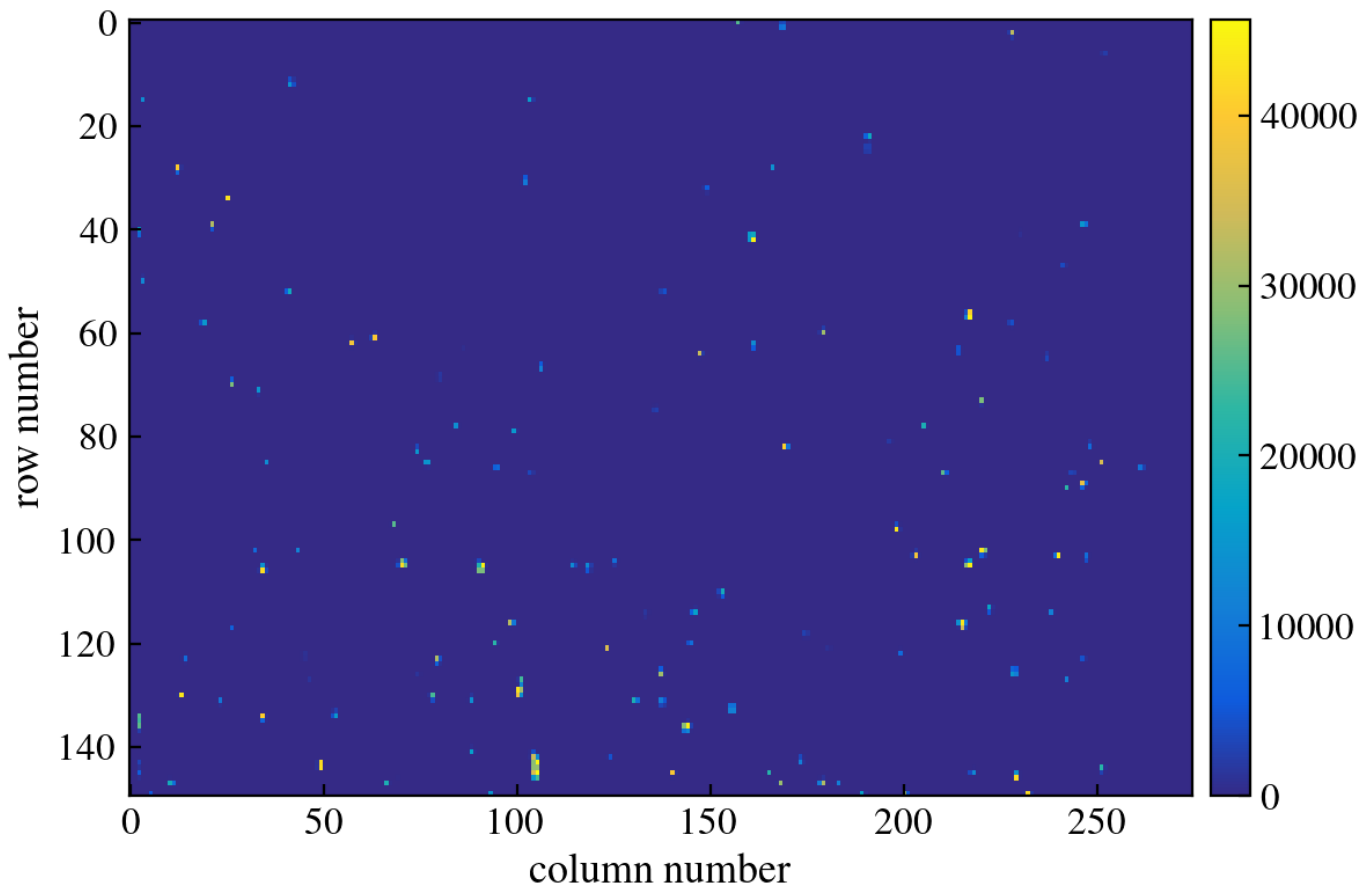


Figure 122: CCD Image

CCD Image: run 154, image 180  
[class MECCDImage]

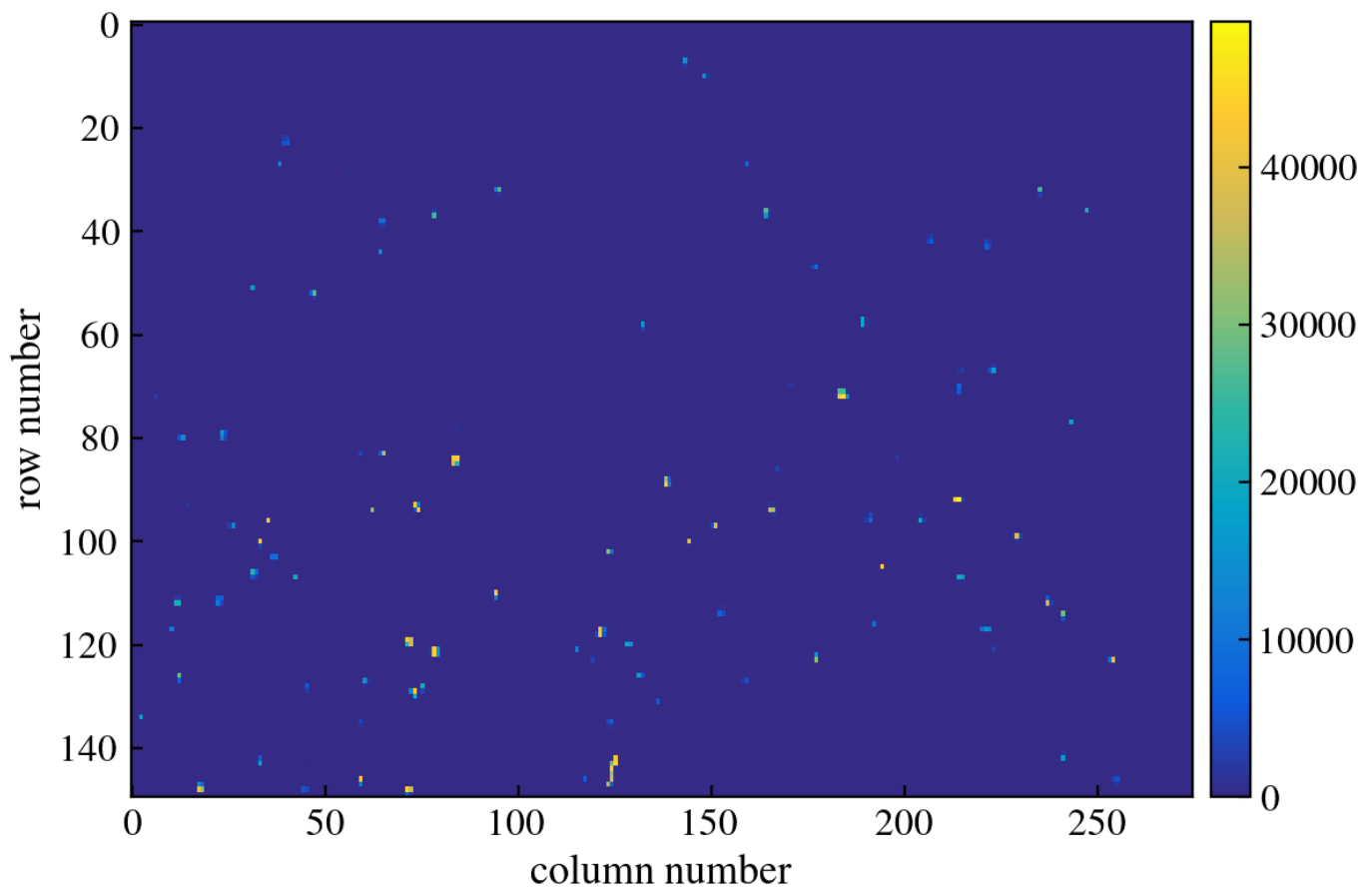


Figure 123: CCD Image



CCD Image: run 154, image 181  
[class MECCDImage]

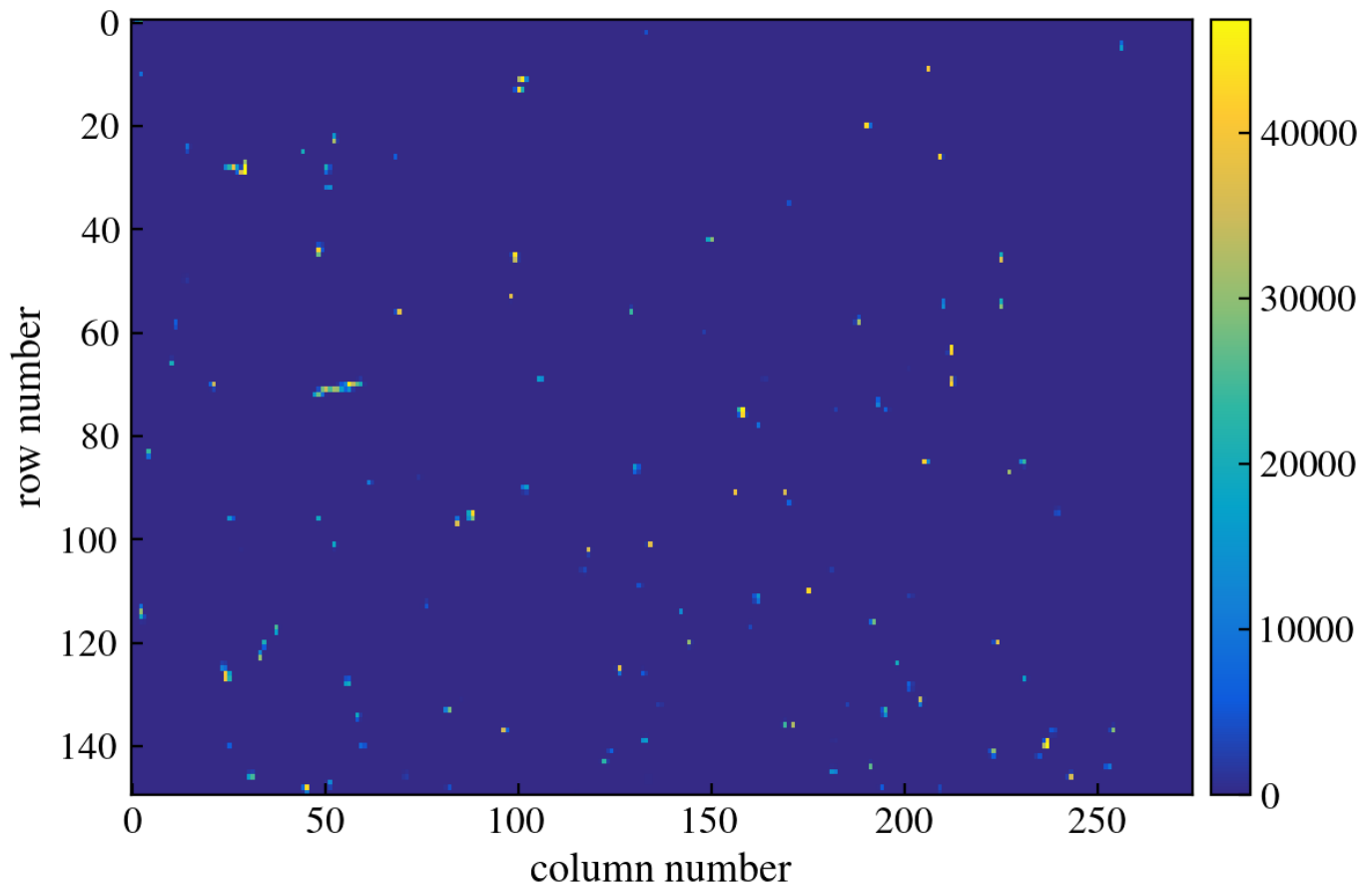


Figure 124: CCD Image

CCD Image: run 154, image 182  
[class MECCDImage]

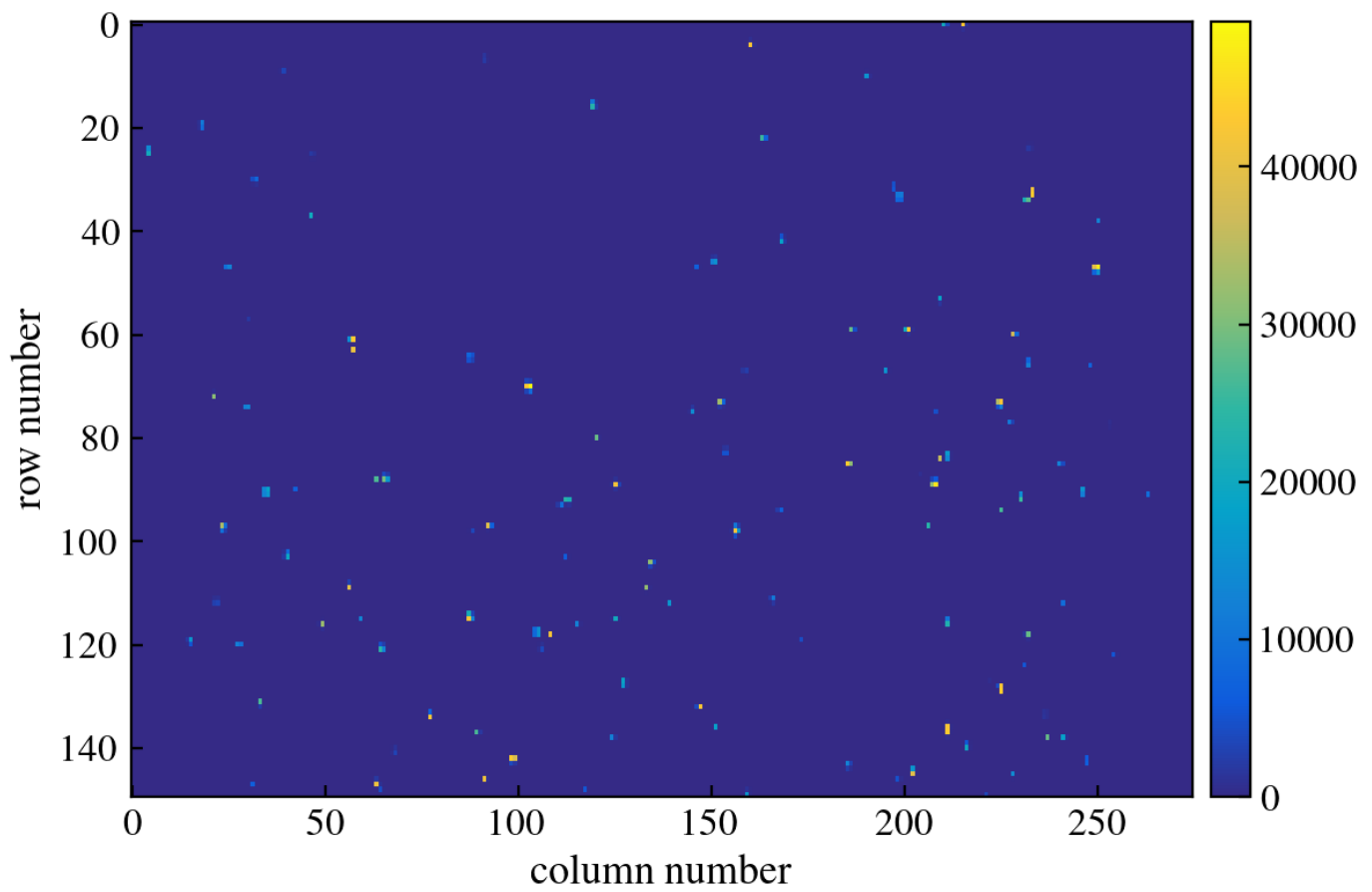


Figure 125: CCD Image

CCD Image: run 154, image 183  
[class MECCDImage]

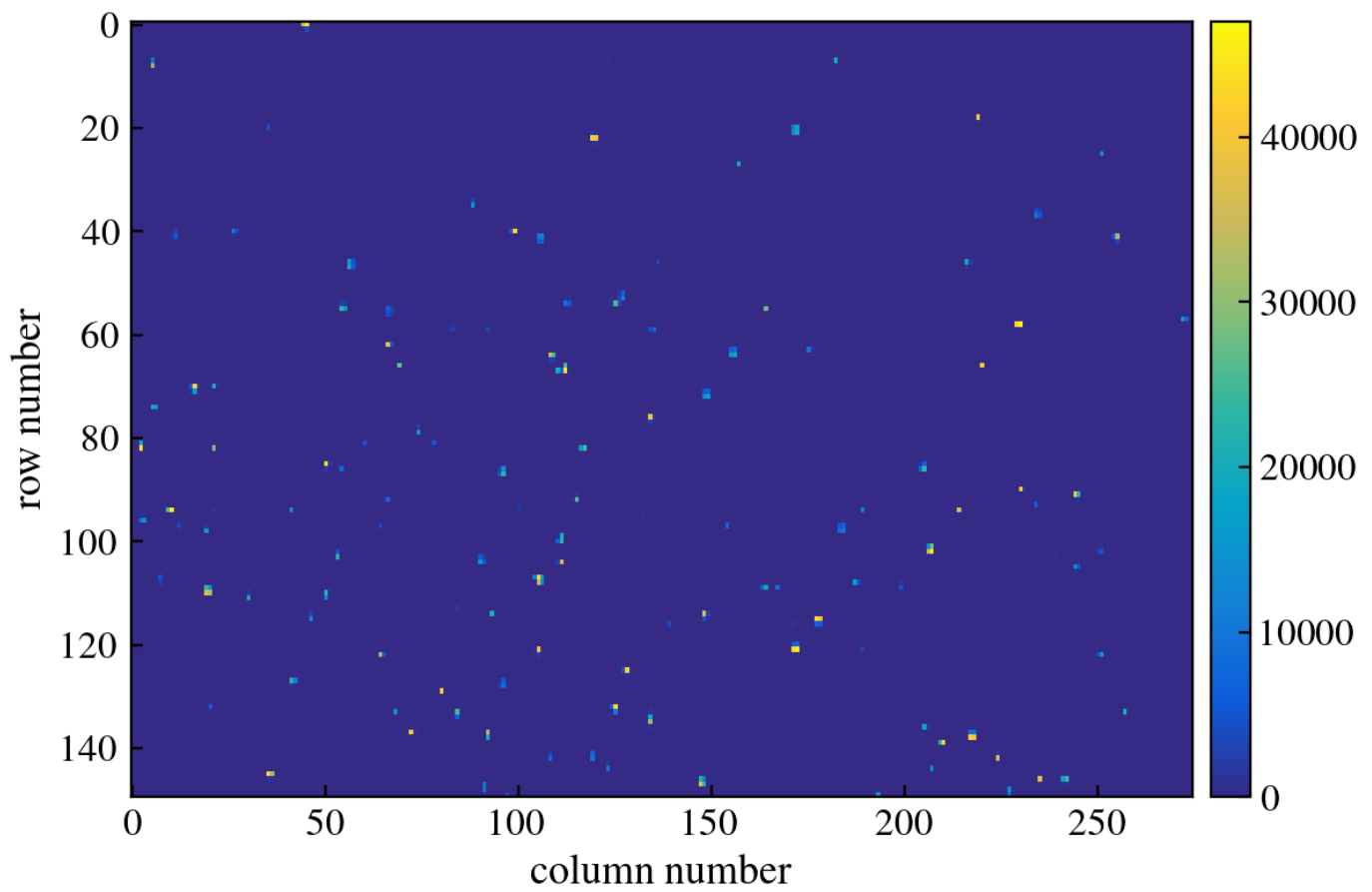


Figure 126: CCD Image

CCD Image: run 154, image 184  
[class MECCDImage]

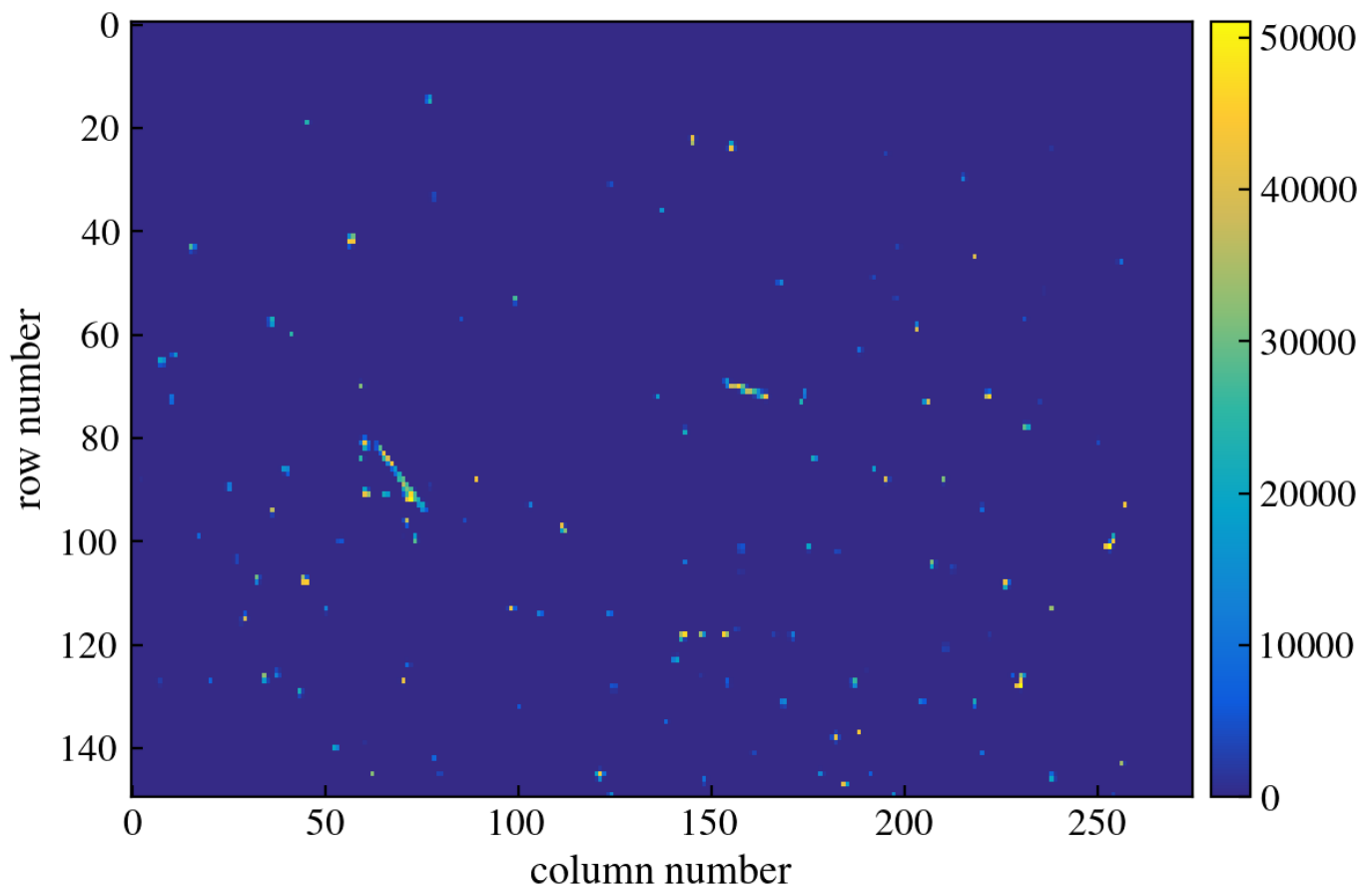


Figure 127: CCD Image

CCD Image: run 154, image 185  
[class MECCDImage]

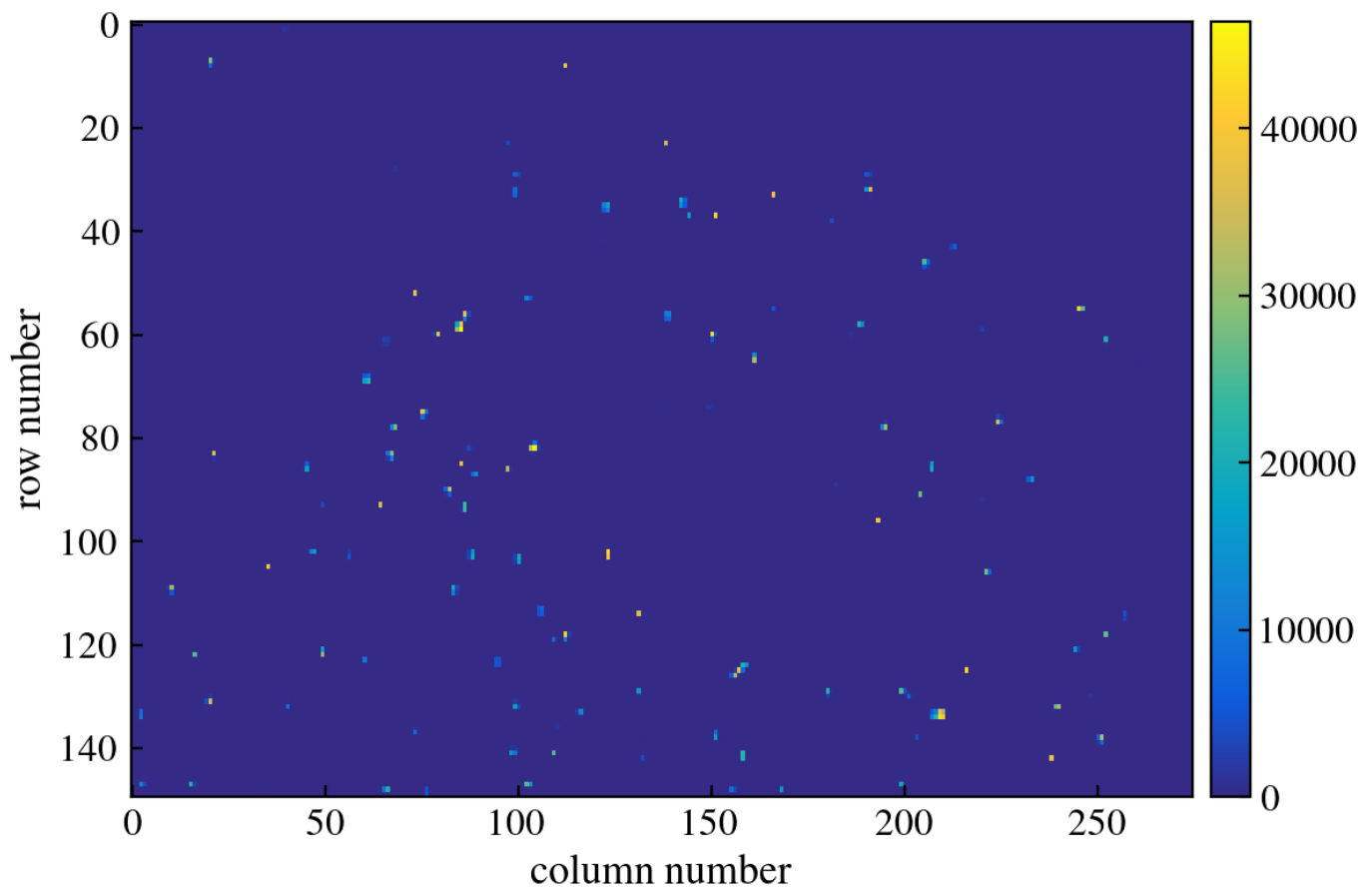


Figure 128: CCD Image

CCD Image: run 154, image 186  
[class MECCDImage]

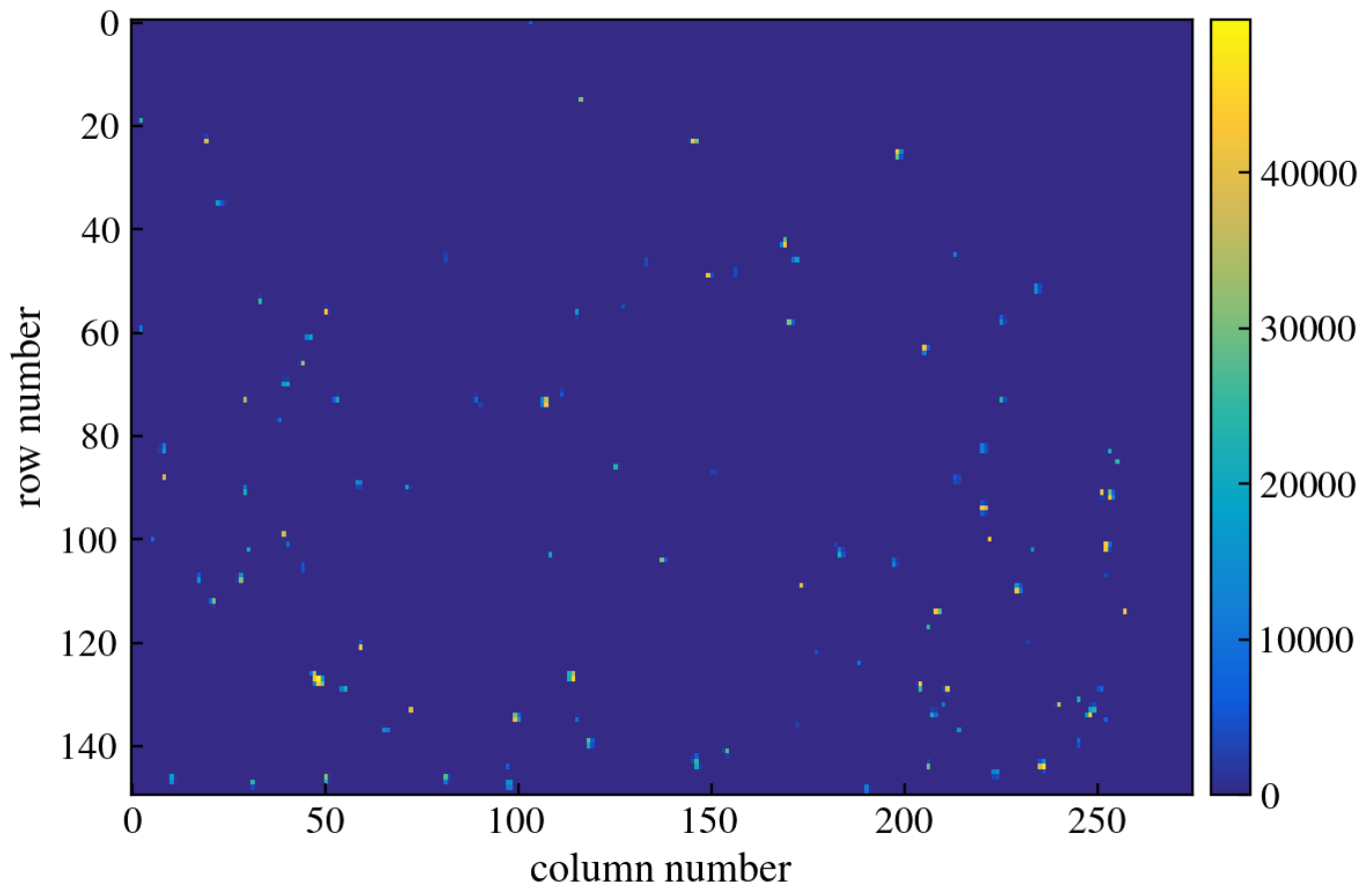


Figure 129: CCD Image

CCD Image: run 154, image 187  
[class MECCDImage]

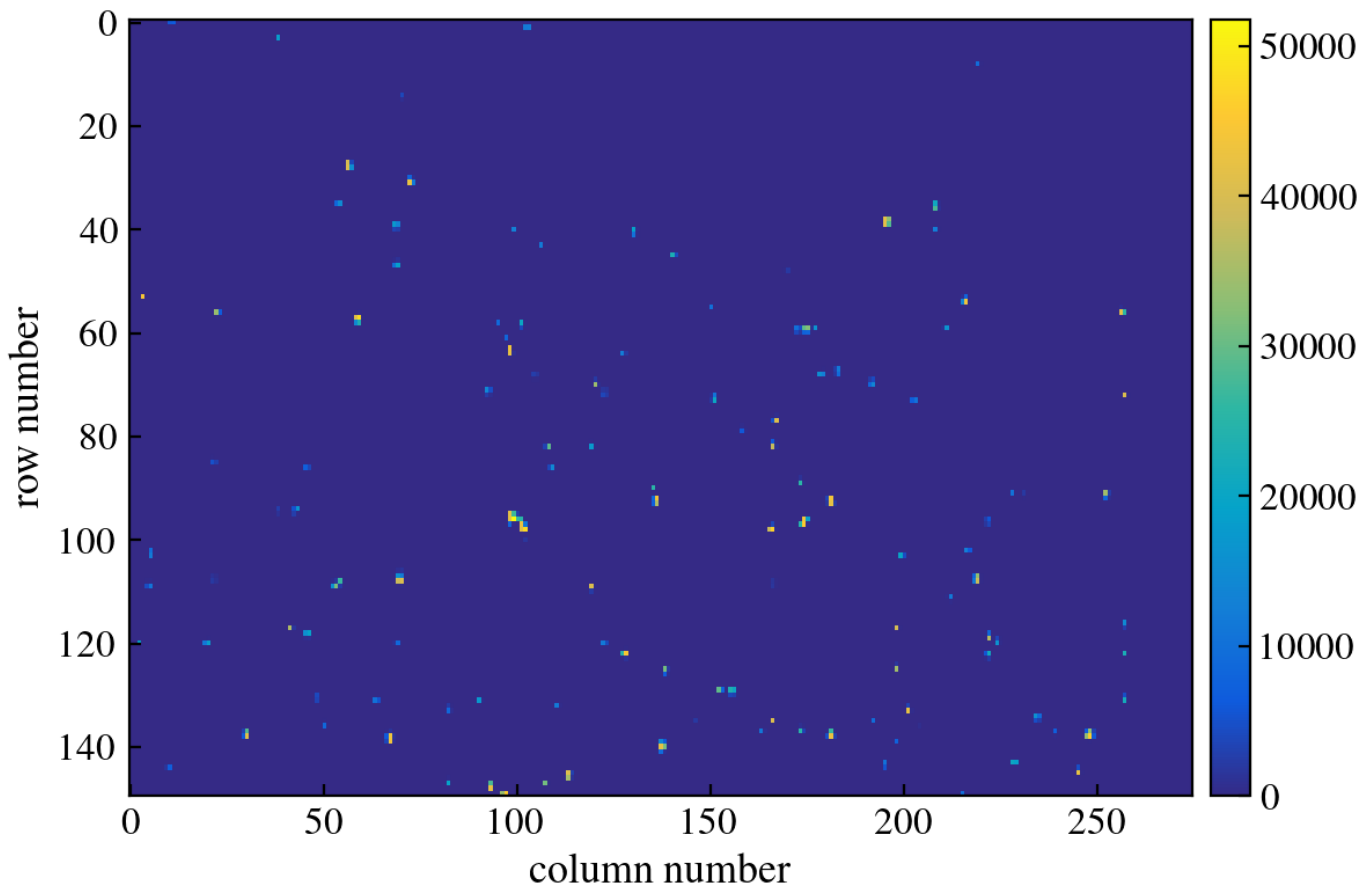


Figure 130: CCD Image

CCD Image: run 154, image 188  
[class MECCDImage]

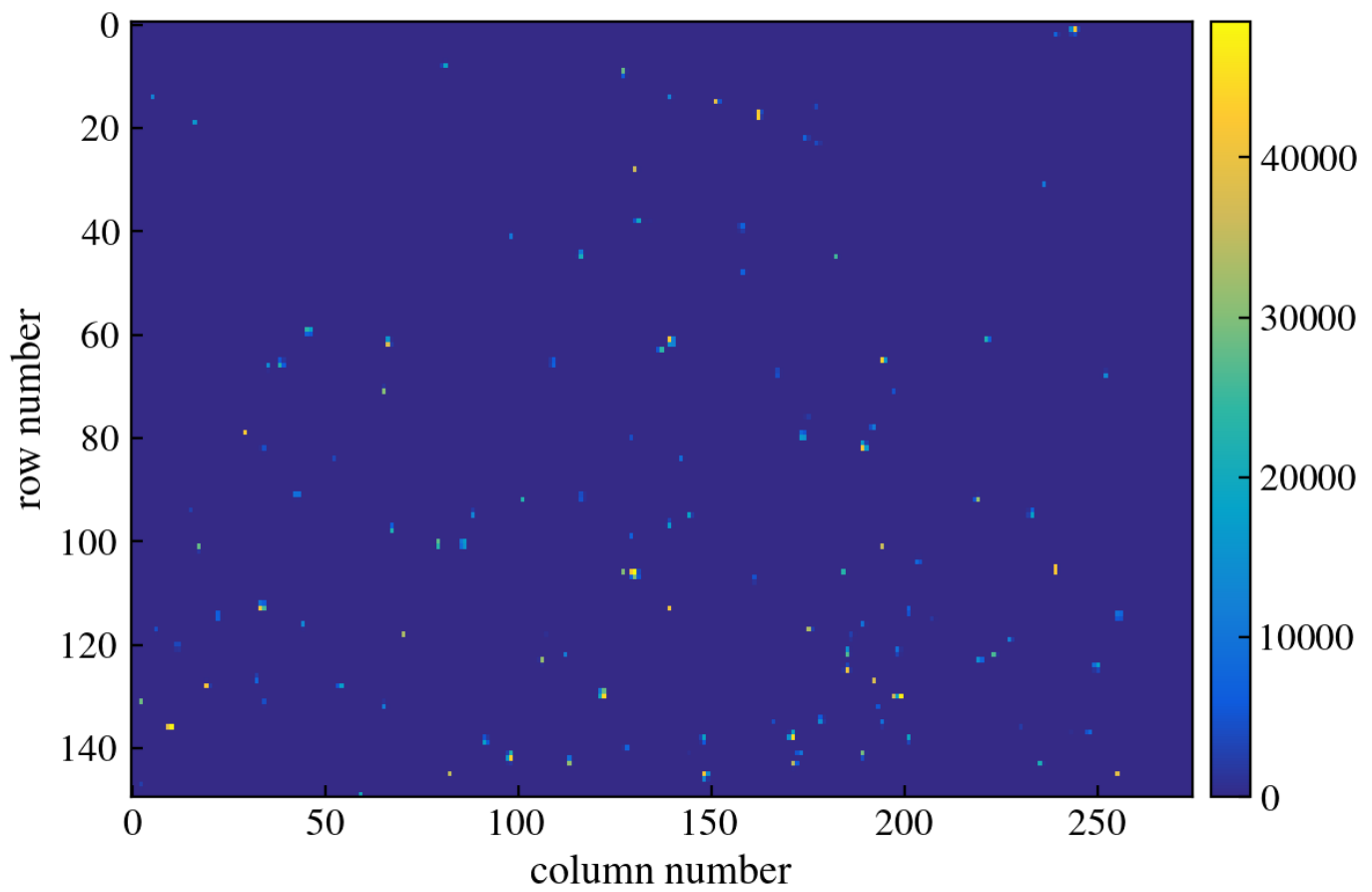


Figure 131: CCD Image



CCD Image: run 154, image 189  
[class MECCDImage]

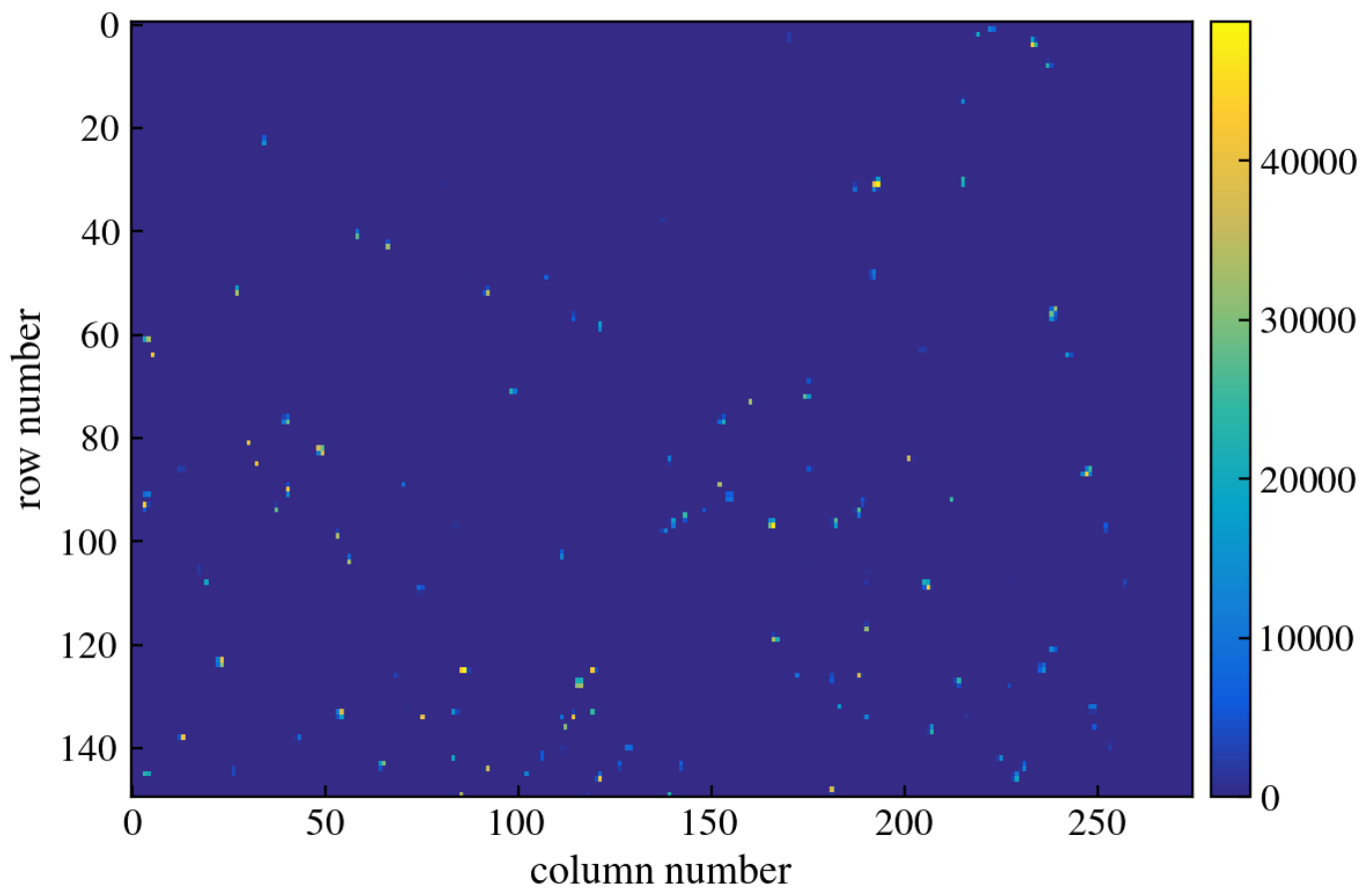


Figure 132: CCD Image

CCD Image: run 154, image 19  
[class MECCDImage]

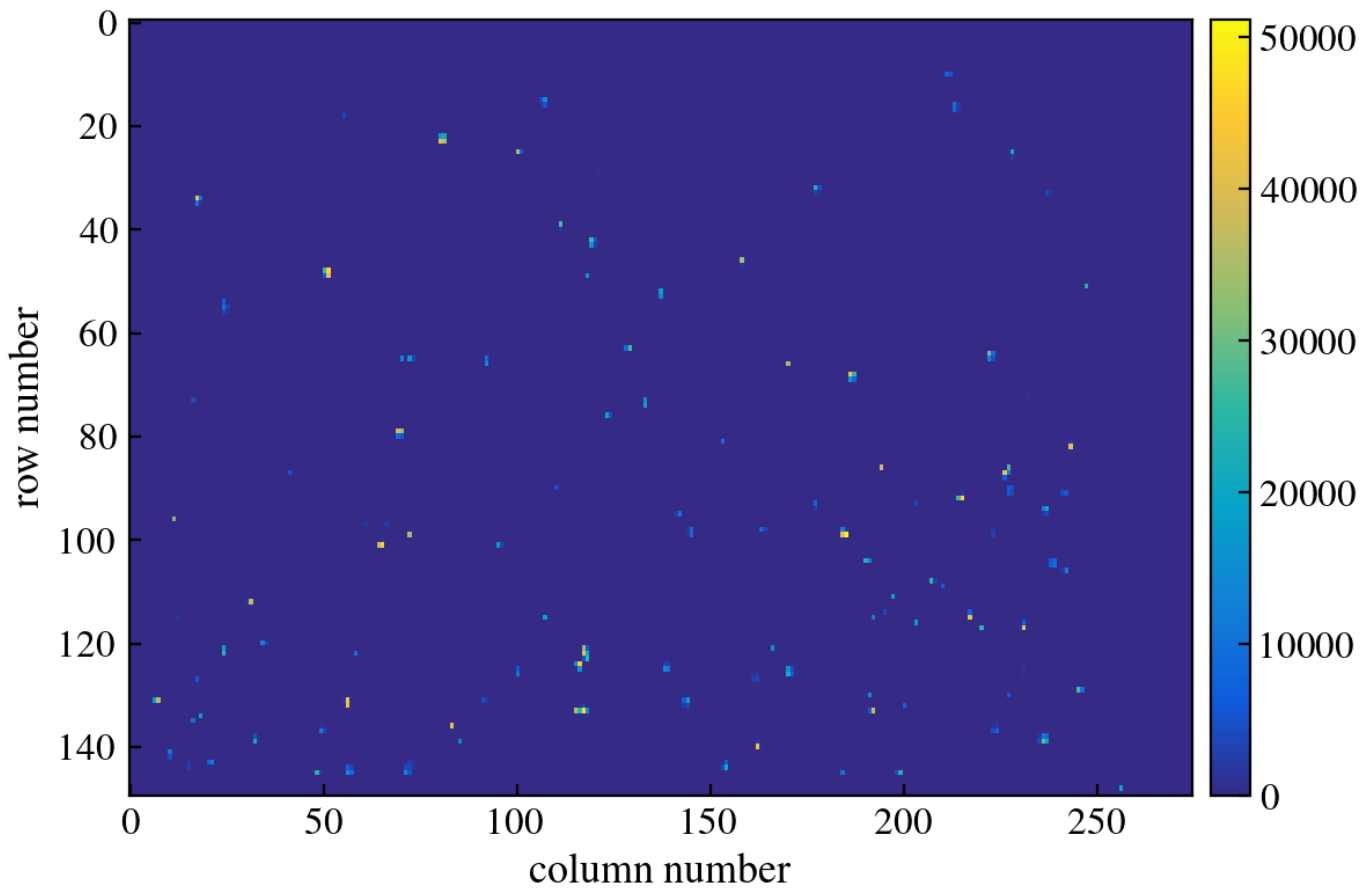


Figure 133: CCD Image

CCD Image: run 154, image 190  
[class MECCDImage]

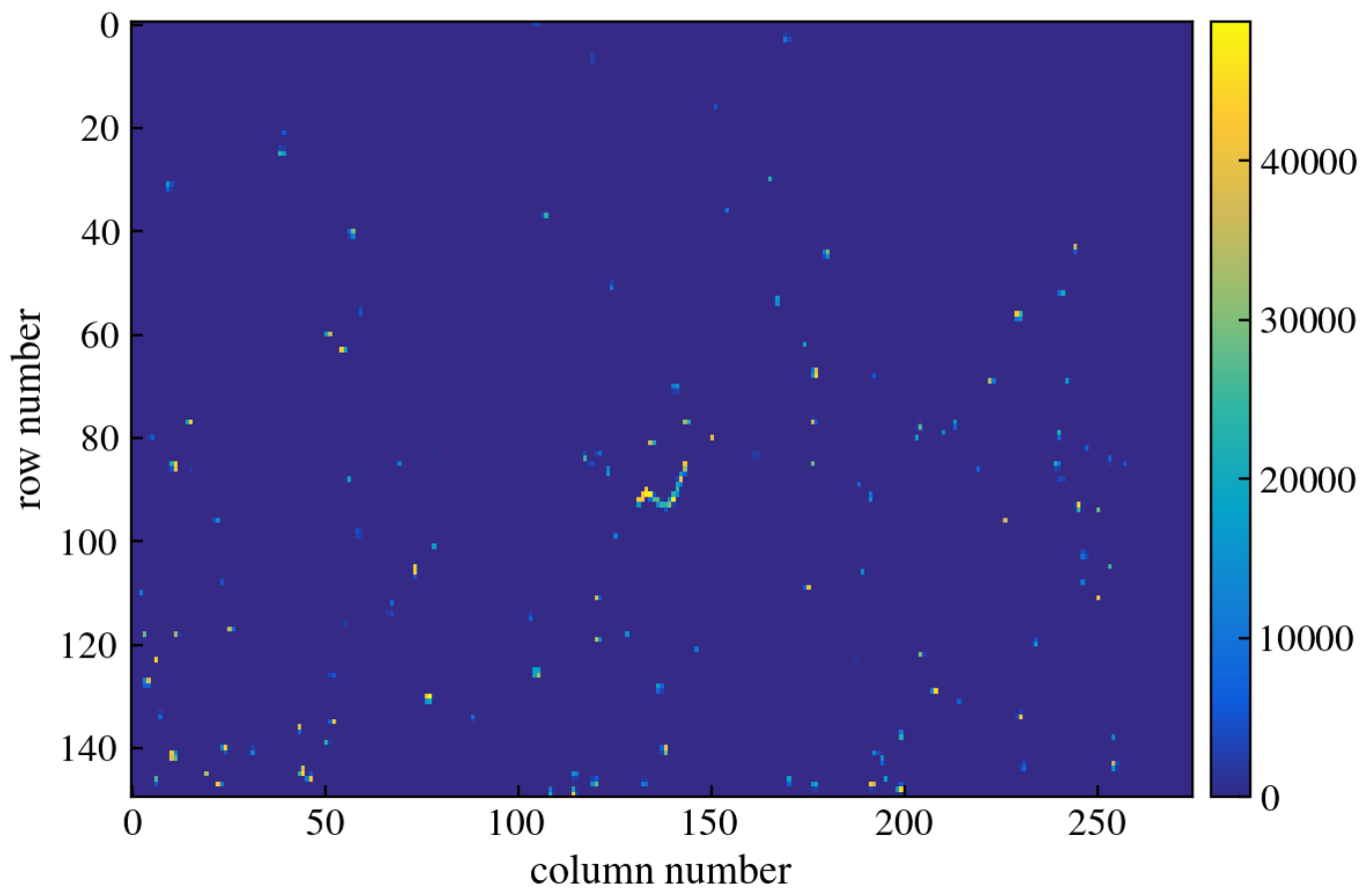


Figure 134: CCD Image

CCD Image: run 154, image 191  
[class MECCDImage]

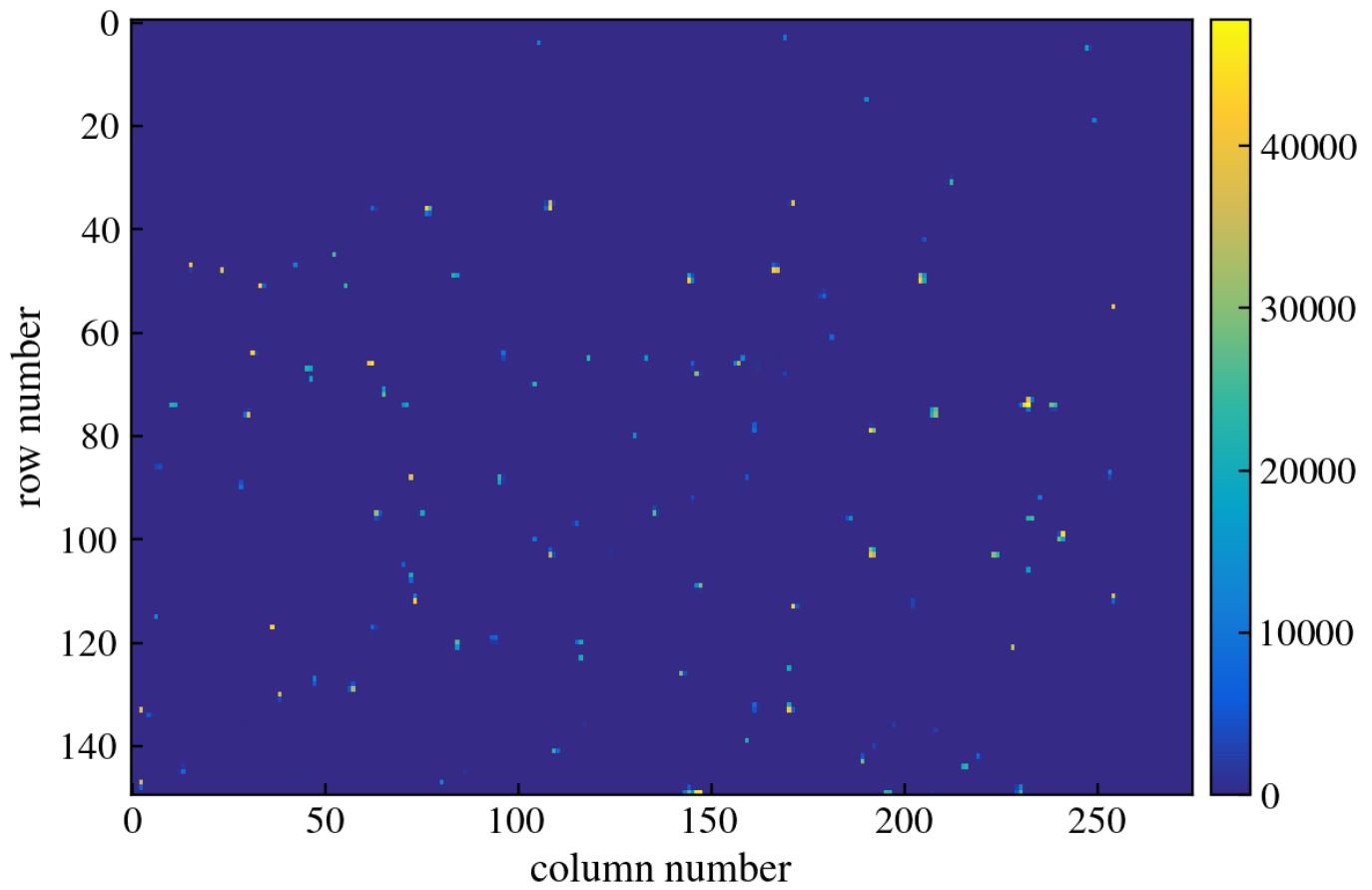


Figure 135: CCD Image

CCD Image: run 154, image 192  
[class MECCDImage]

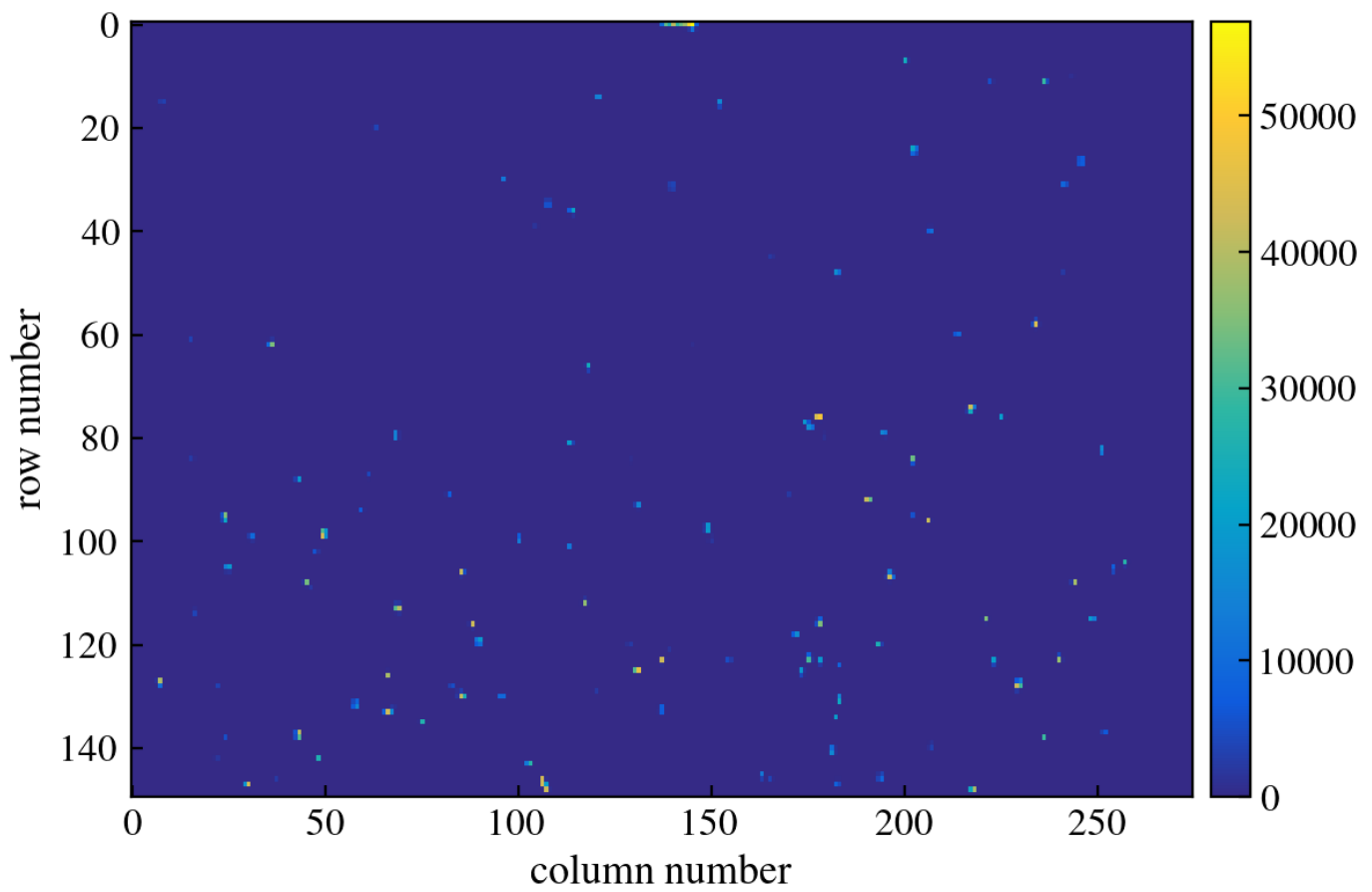


Figure 136: CCD Image

CCD Image: run 154, image 193  
[class MECCDImage]

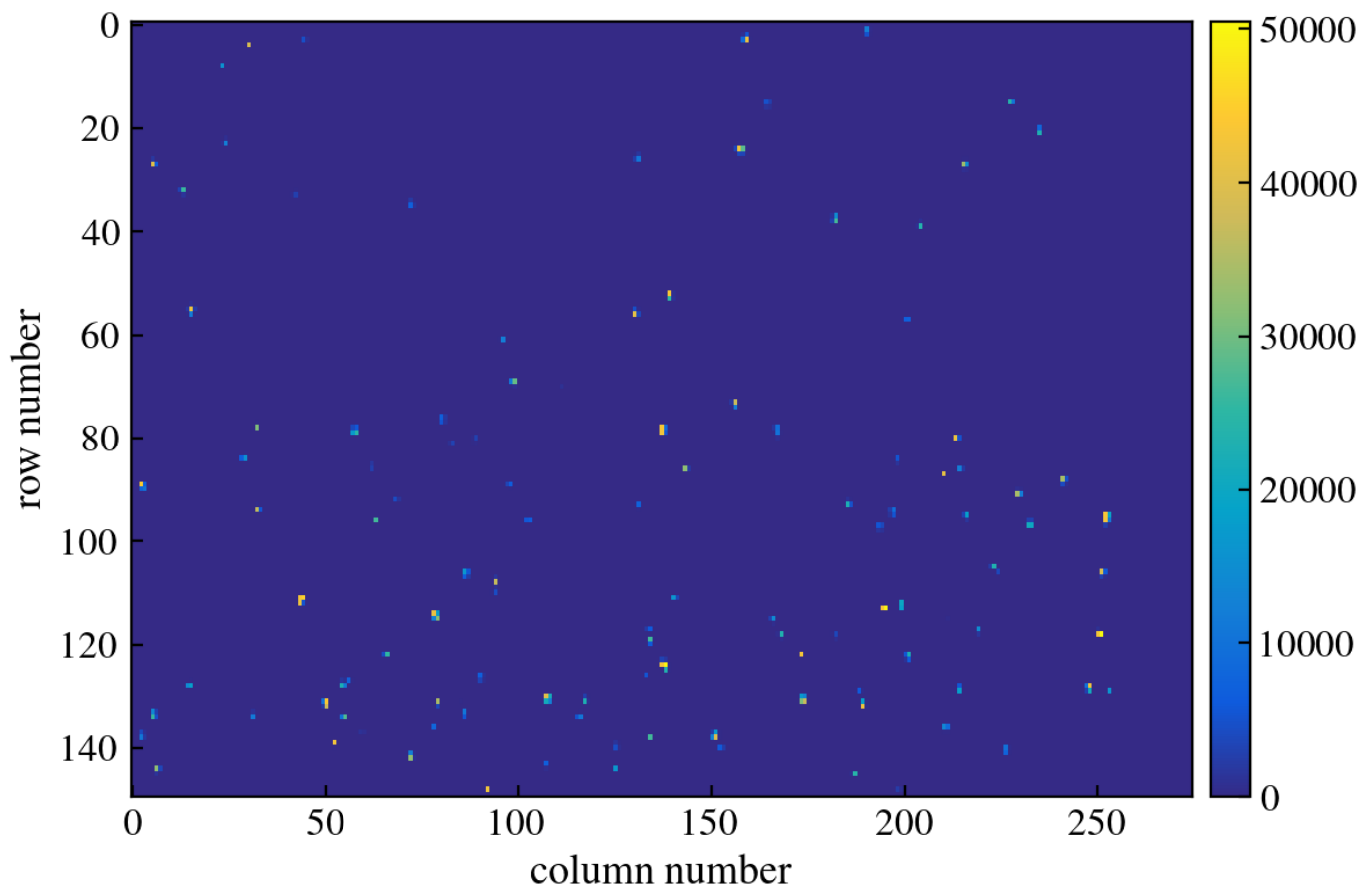


Figure 137: CCD Image

CCD Image: run 154, image 194  
[class MECCDImage]

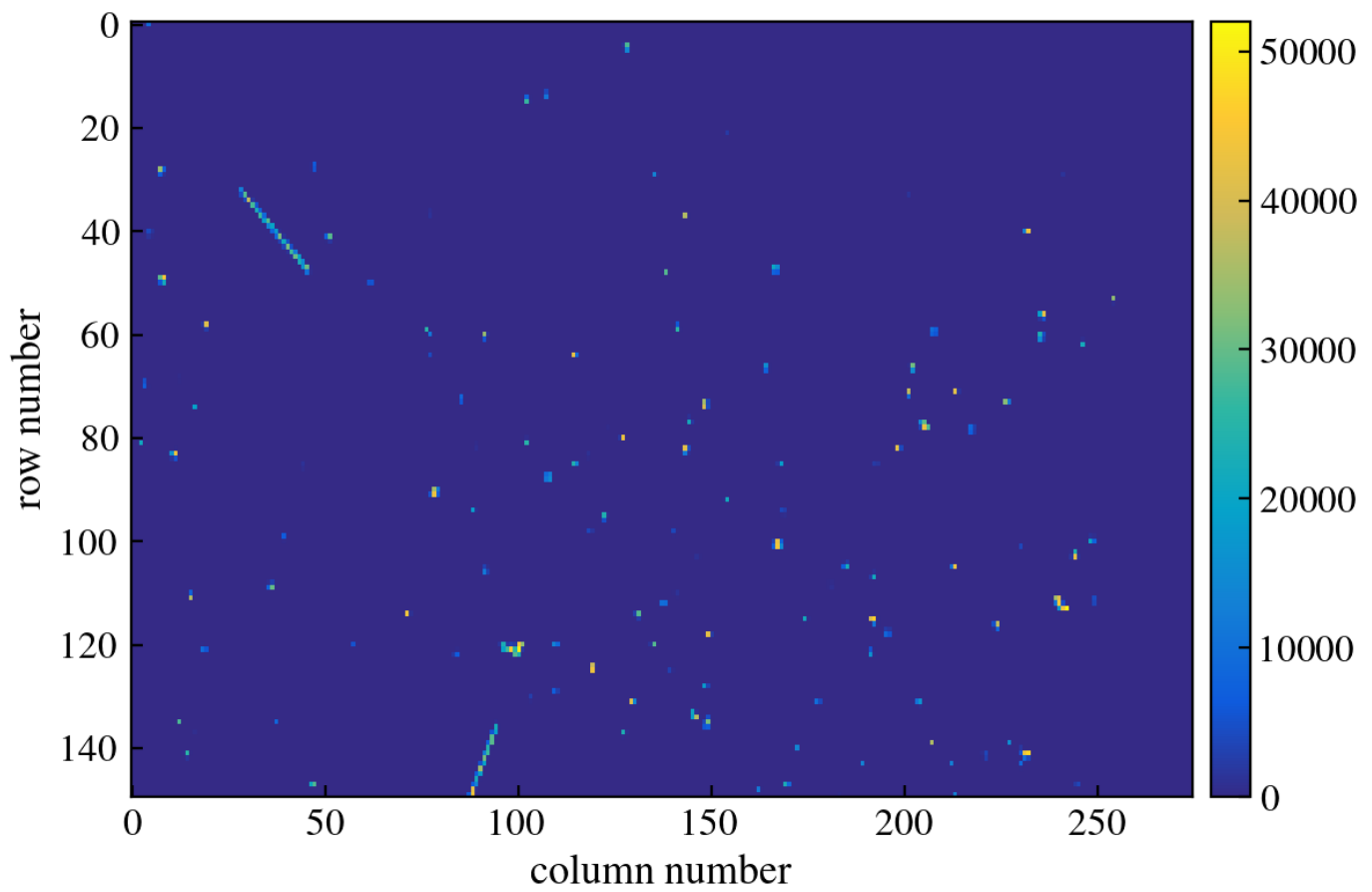


Figure 138: CCD Image

CCD Image: run 154, image 195  
[class MECCDImage]

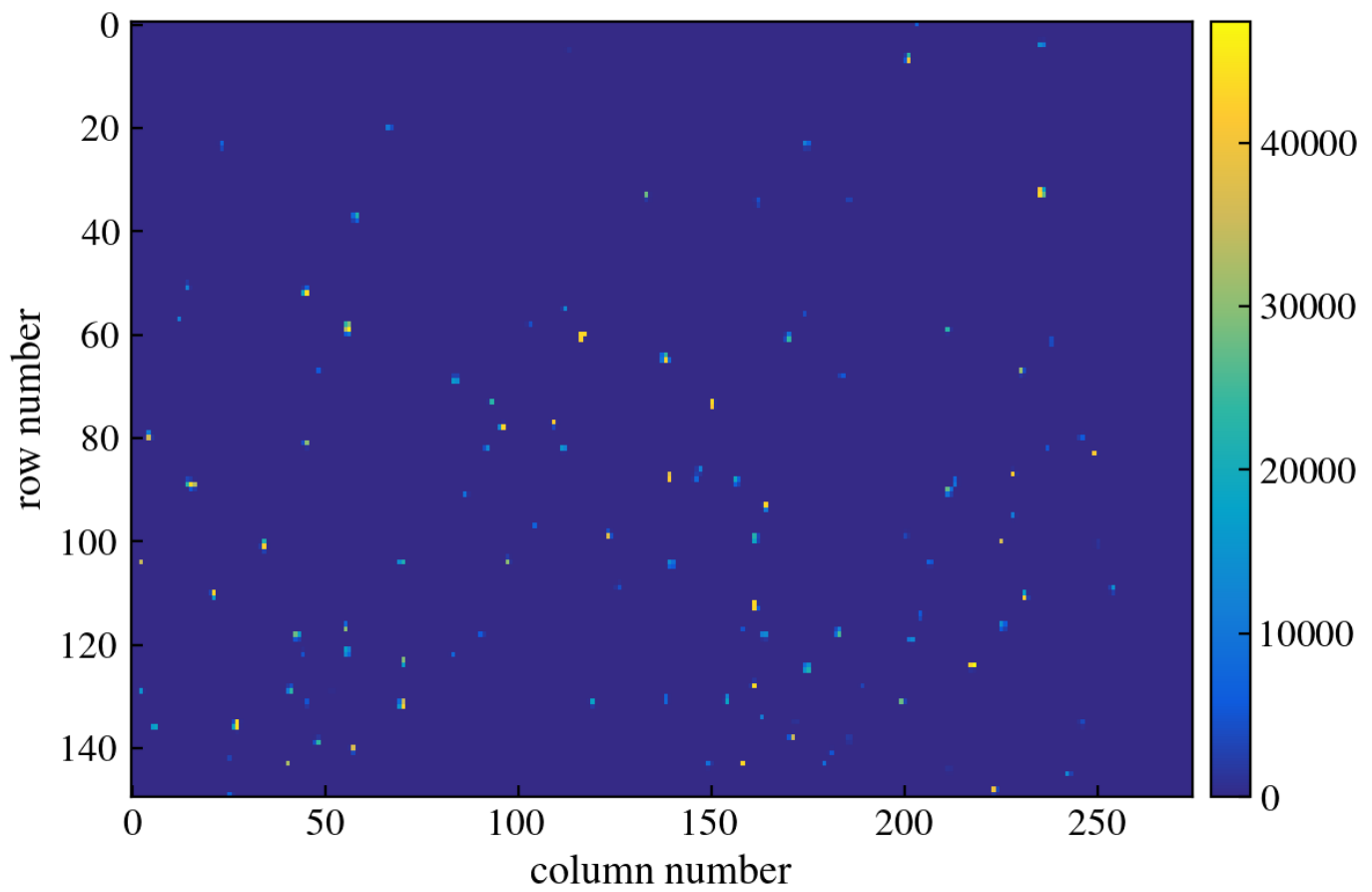


Figure 139: CCD Image



CCD Image: run 154, image 196  
[class MECCDImage]

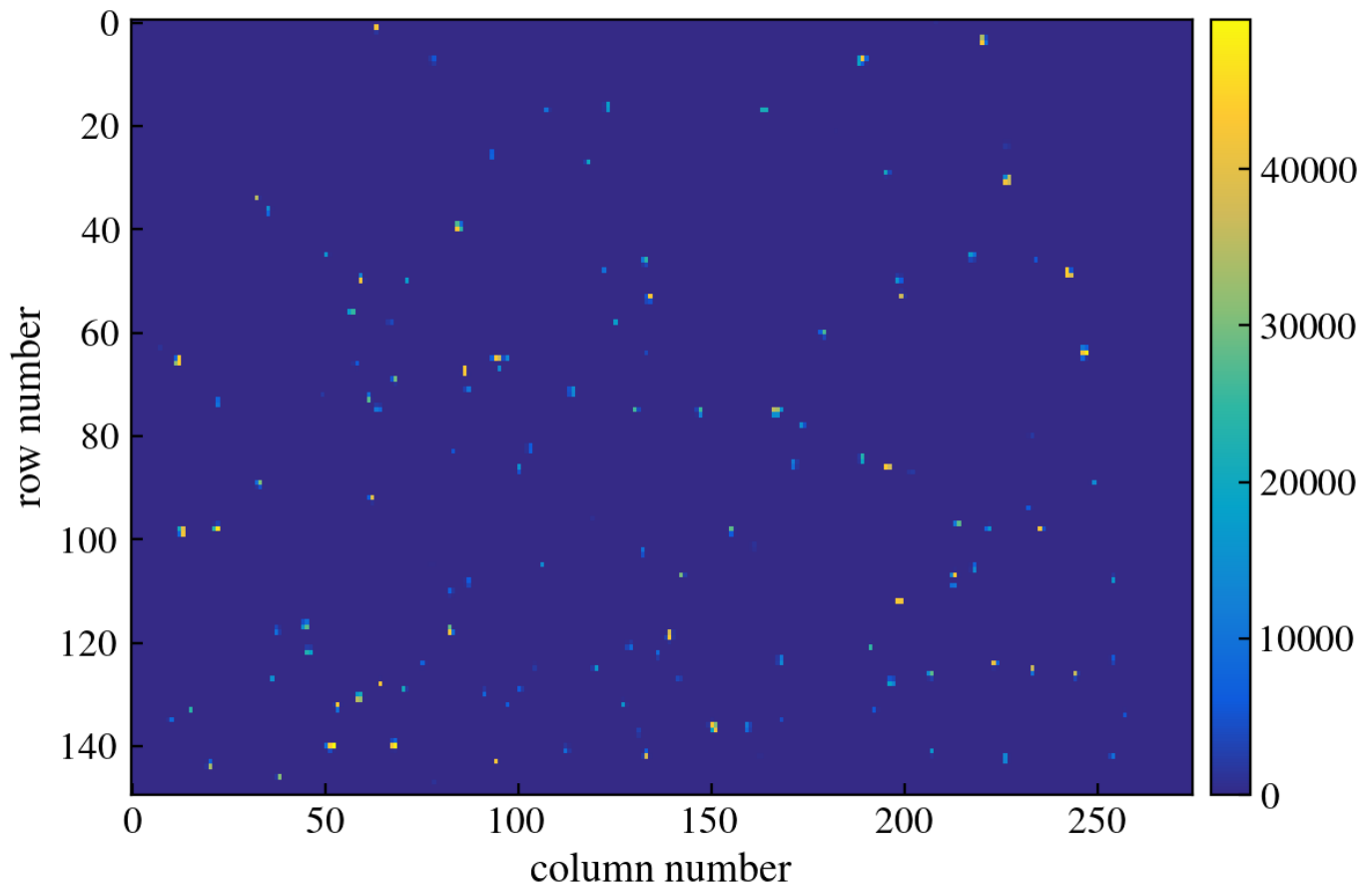


Figure 140: CCD Image

CCD Image: run 154, image 197  
[class MECCDImage]

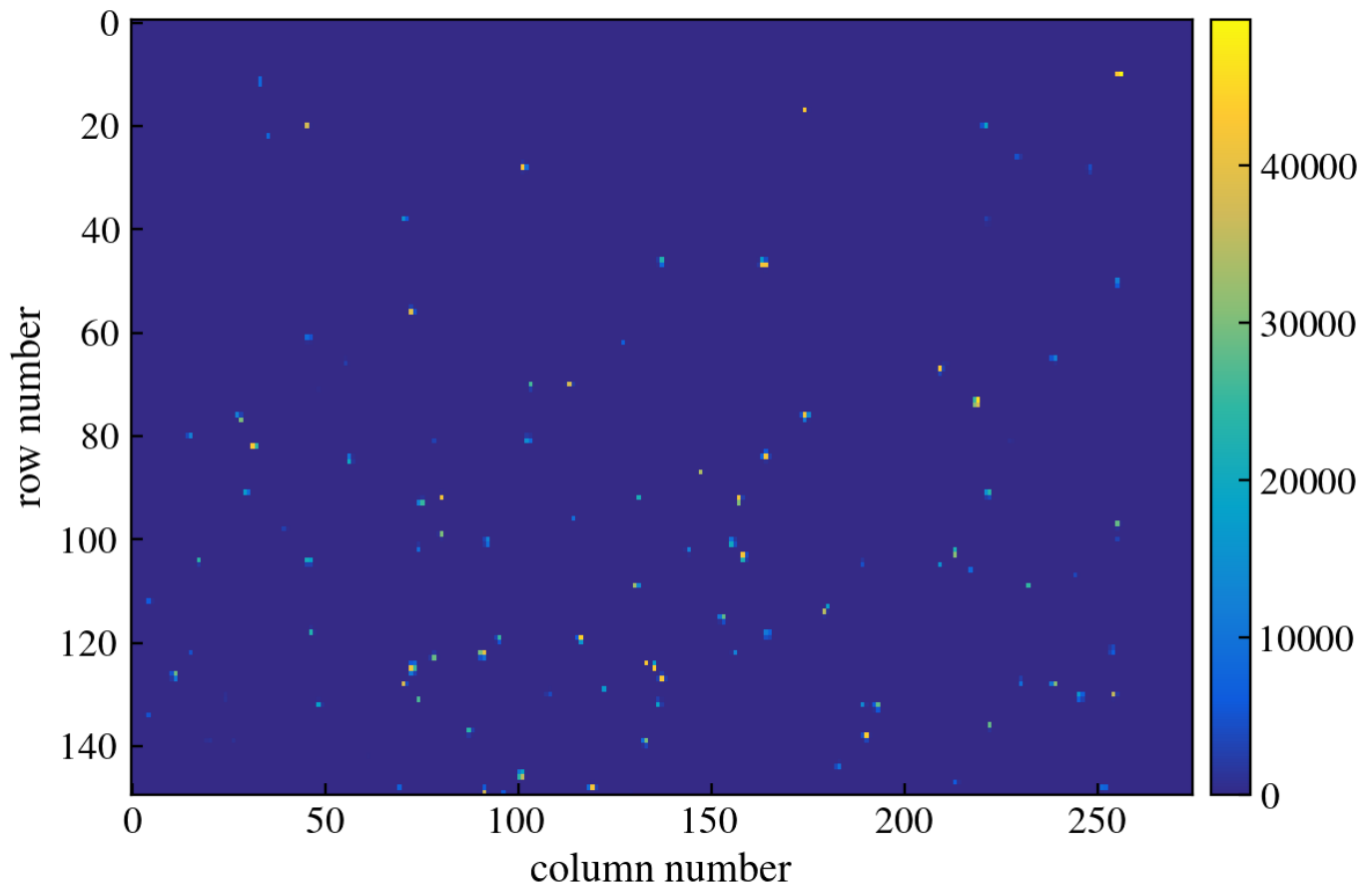


Figure 141: CCD Image

CCD Image: run 154, image 198  
[class MECCDImage]

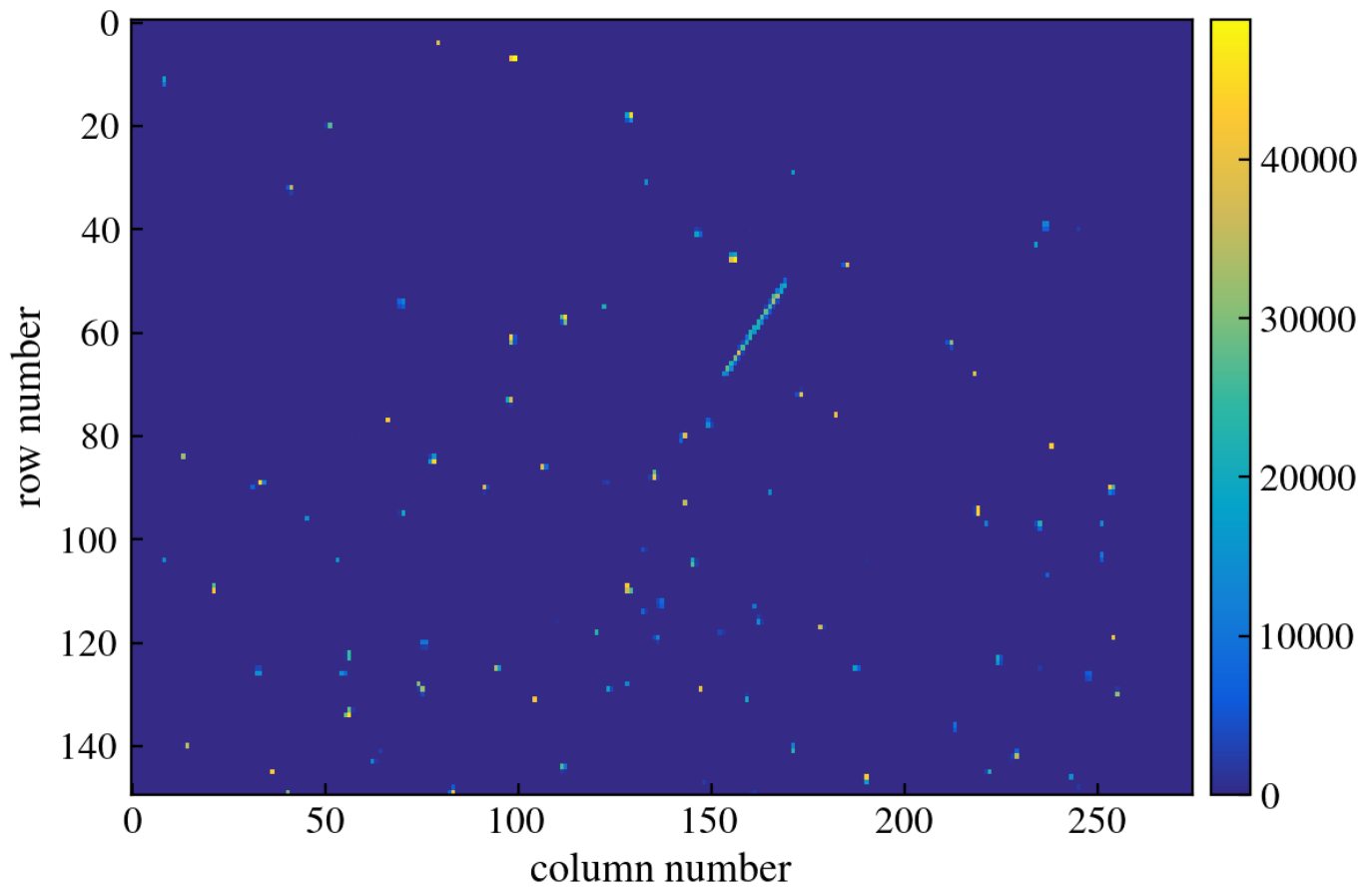


Figure 142: CCD Image

CCD Image: run 154, image 199  
[class MECCDImage]

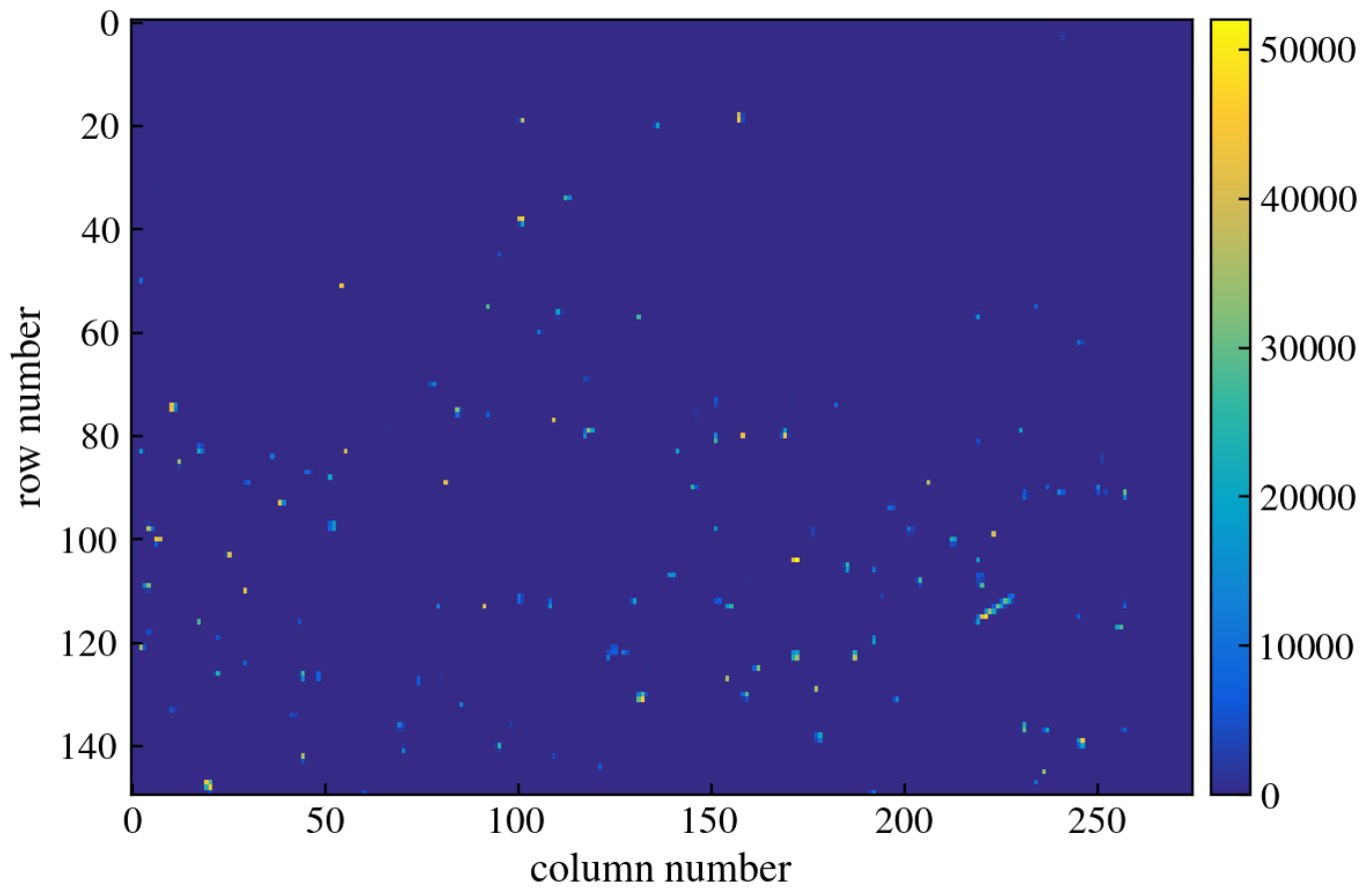


Figure 143: CCD Image

CCD Image: run 154, image 2  
[class MECCDImage]

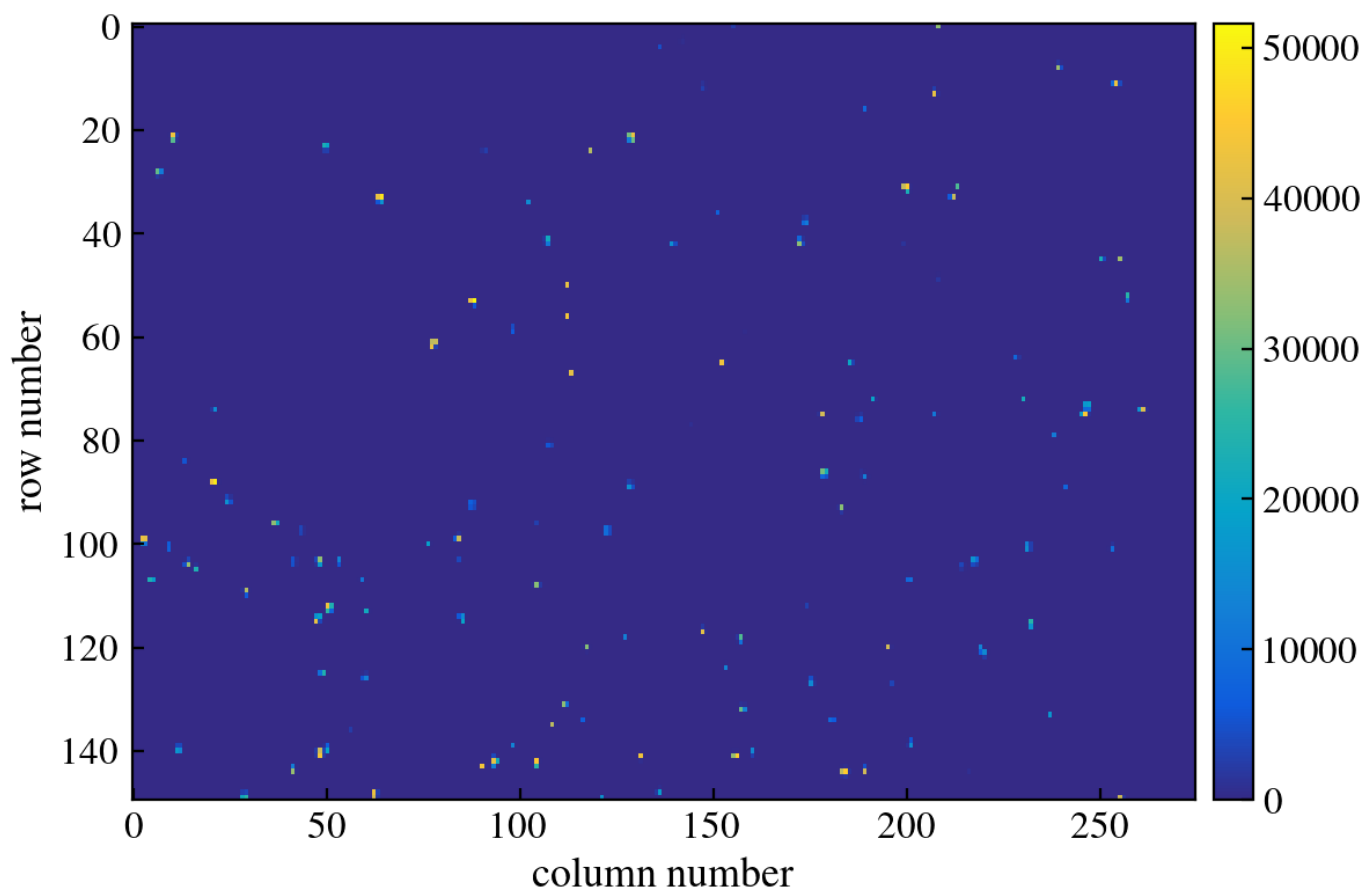


Figure 144: CCD Image

CCD Image: run 154, image 20  
[class MECCDImage]

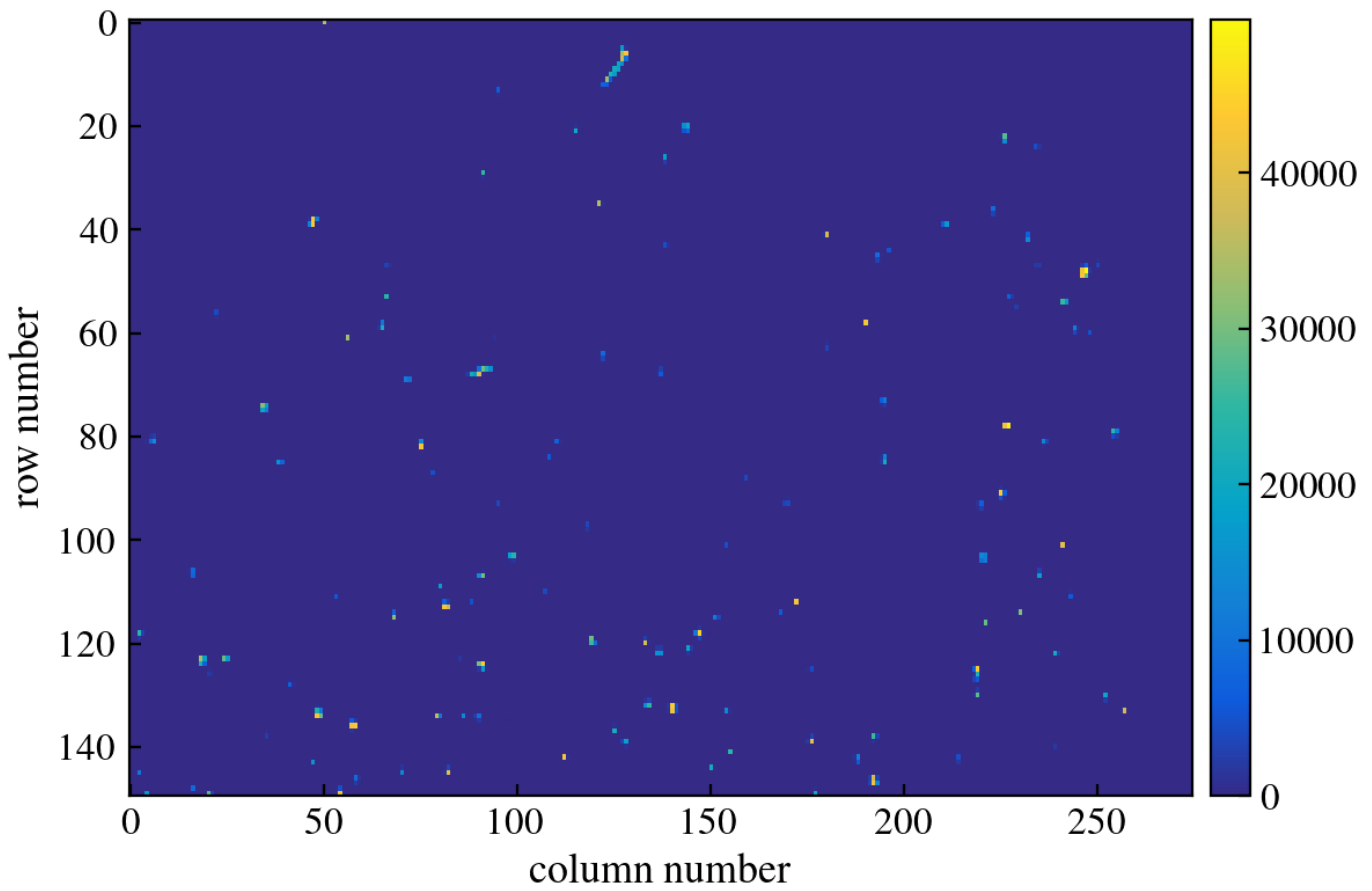


Figure 145: CCD Image

CCD Image: run 154, image 200  
[class MECCDImage]

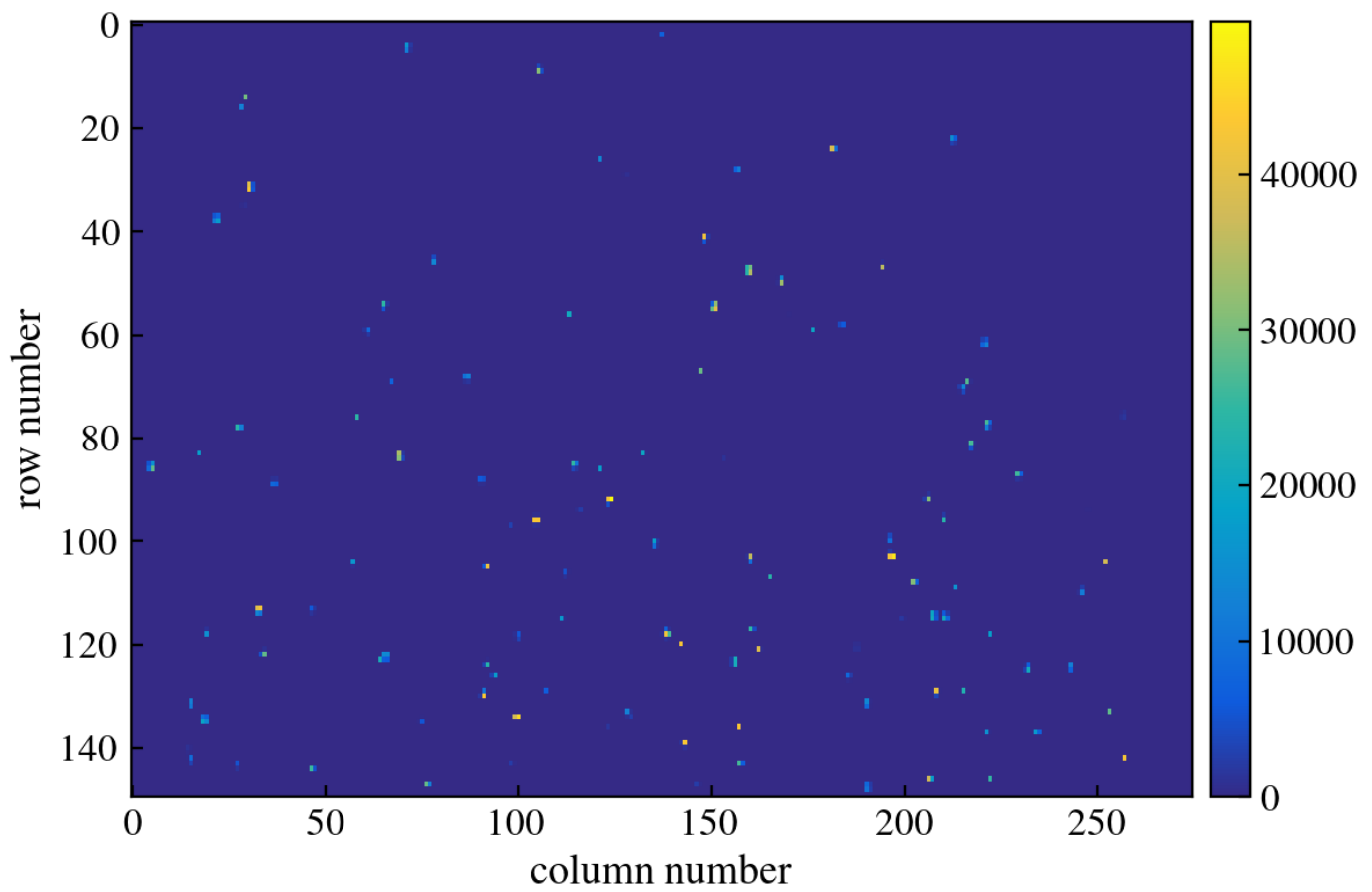


Figure 146: CCD Image

CCD Image: run 154, image 201  
[class MECCDImage]

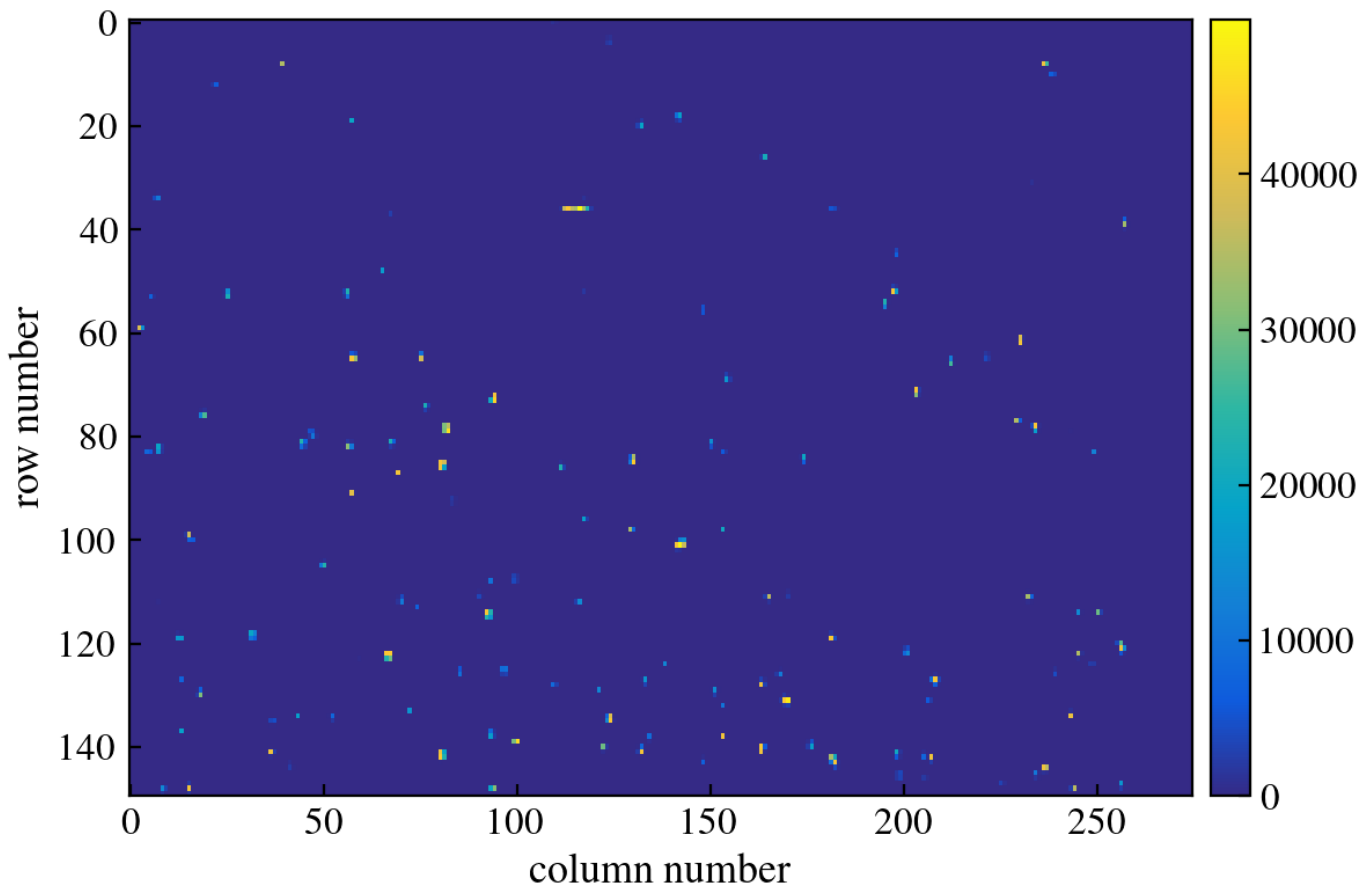


Figure 147: CCD Image



CCD Image: run 154, image 202  
[class MECCDImage]

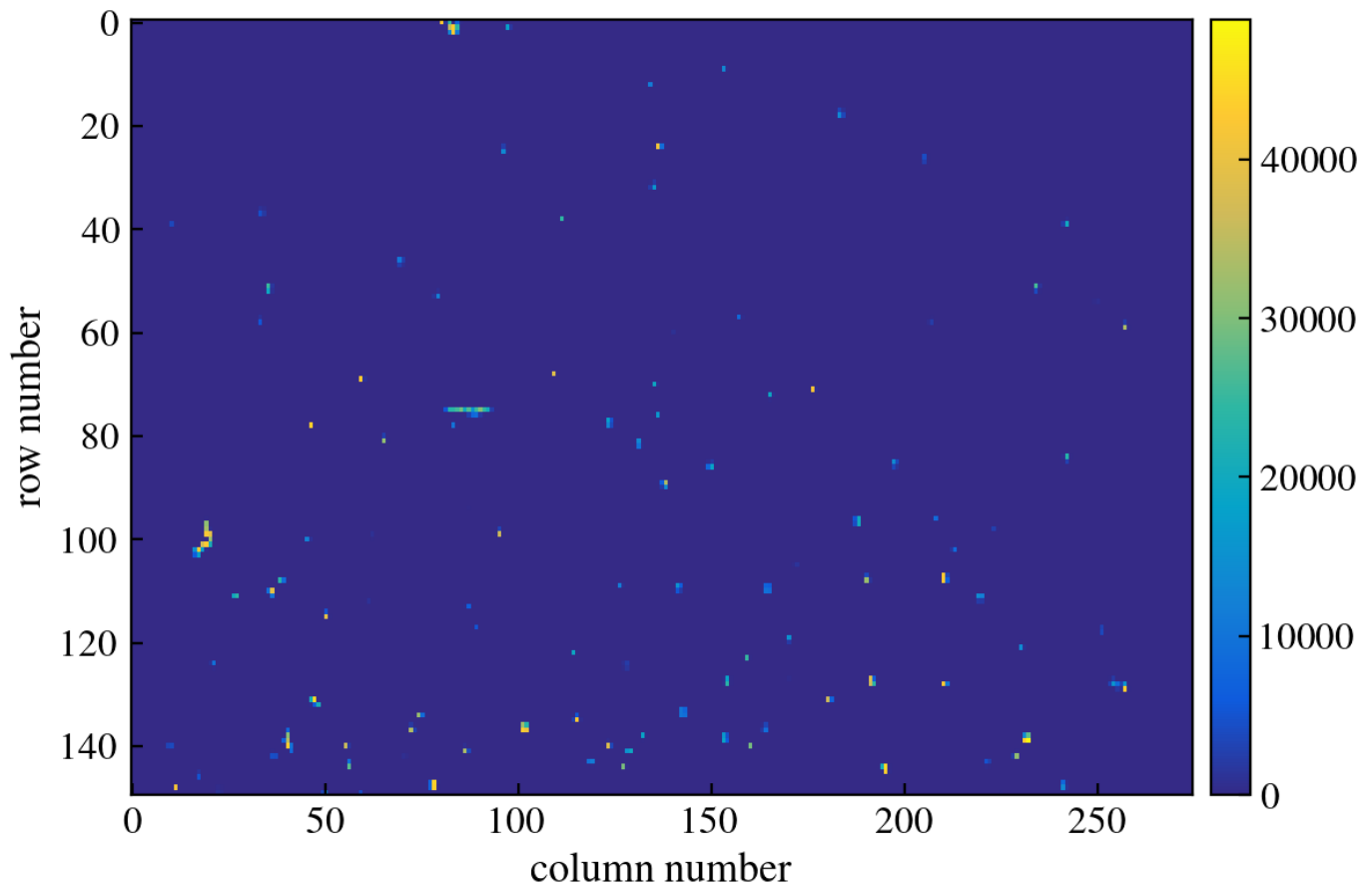


Figure 148: CCD Image

CCD Image: run 154, image 203  
[class MECCDImage]

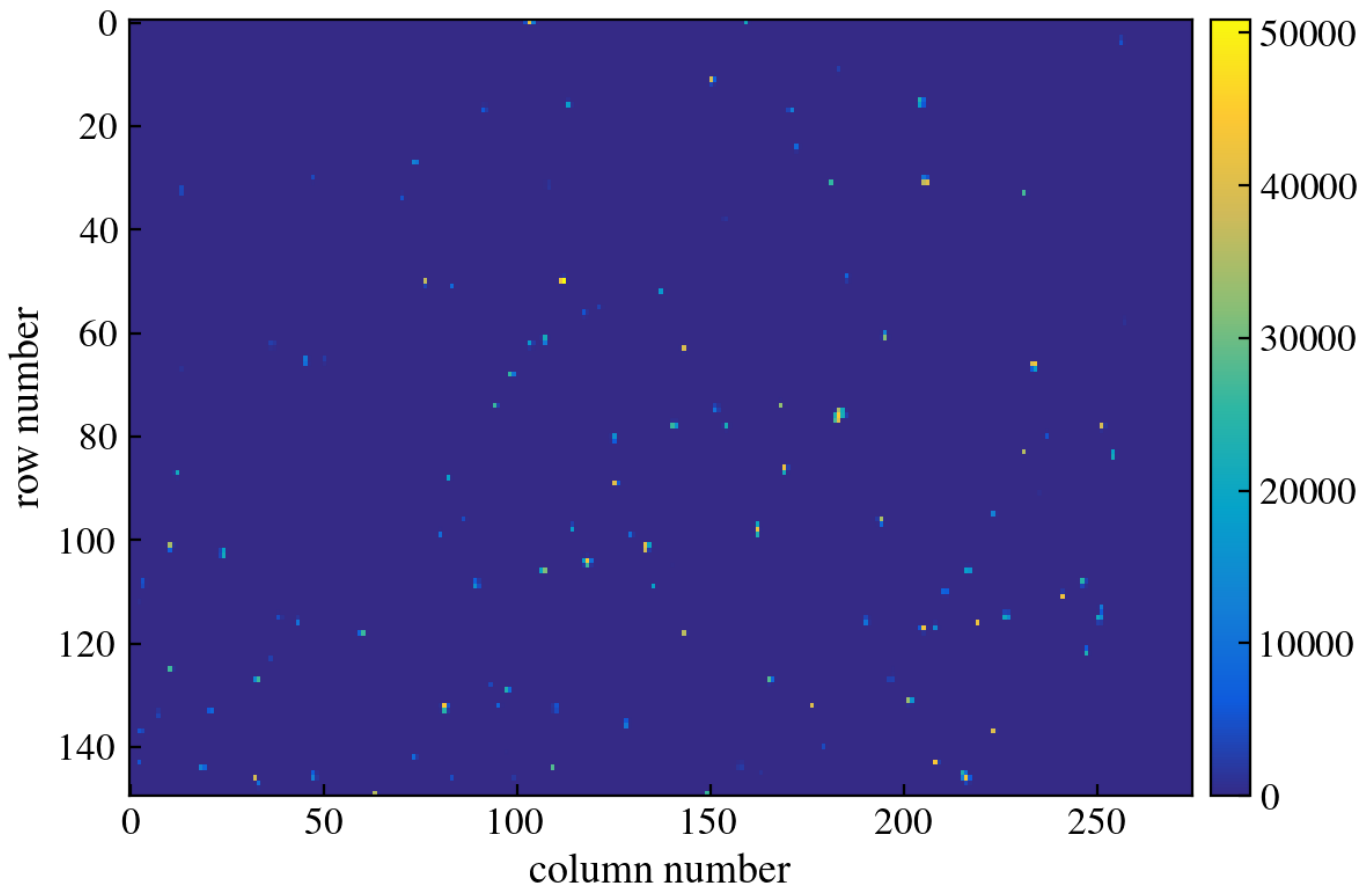


Figure 149: CCD Image

CCD Image: run 154, image 204  
[class MECCDImage]

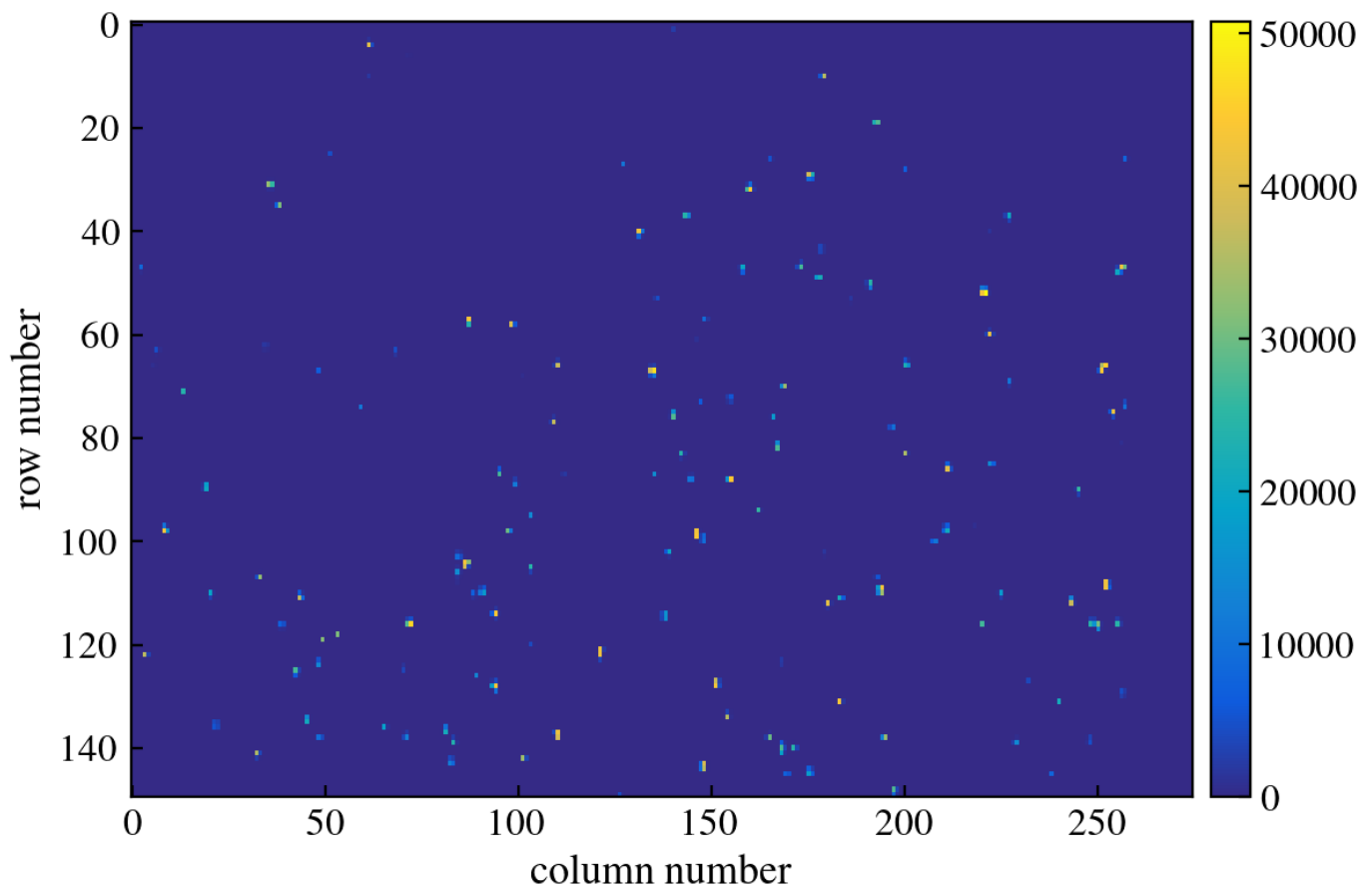


Figure 150: CCD Image

CCD Image: run 154, image 205  
[class MECCDImage]

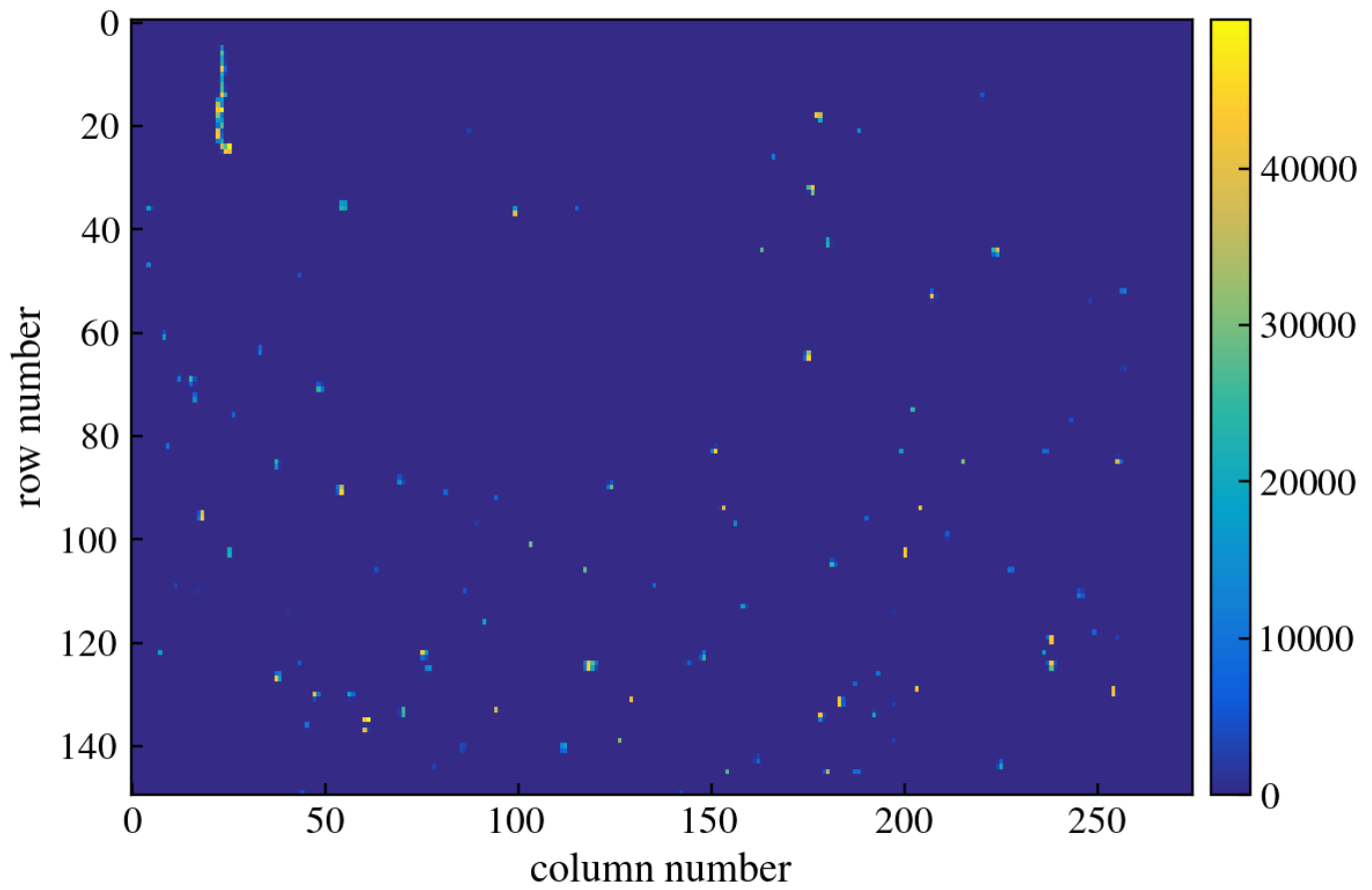


Figure 151: CCD Image

CCD Image: run 154, image 206  
[class MECCDImage]

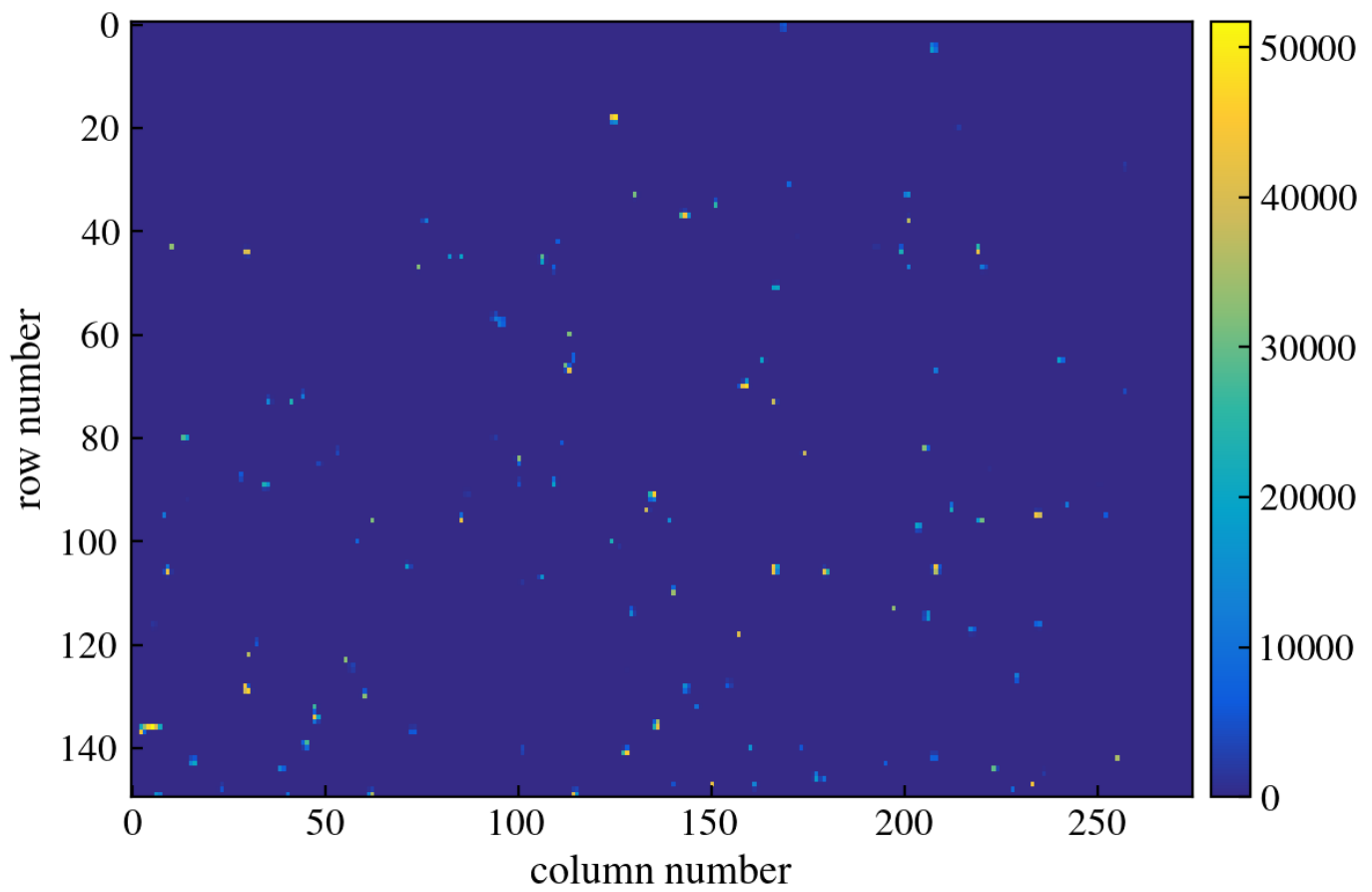


Figure 152: CCD Image

CCD Image: run 154, image 207  
[class MECCDImage]

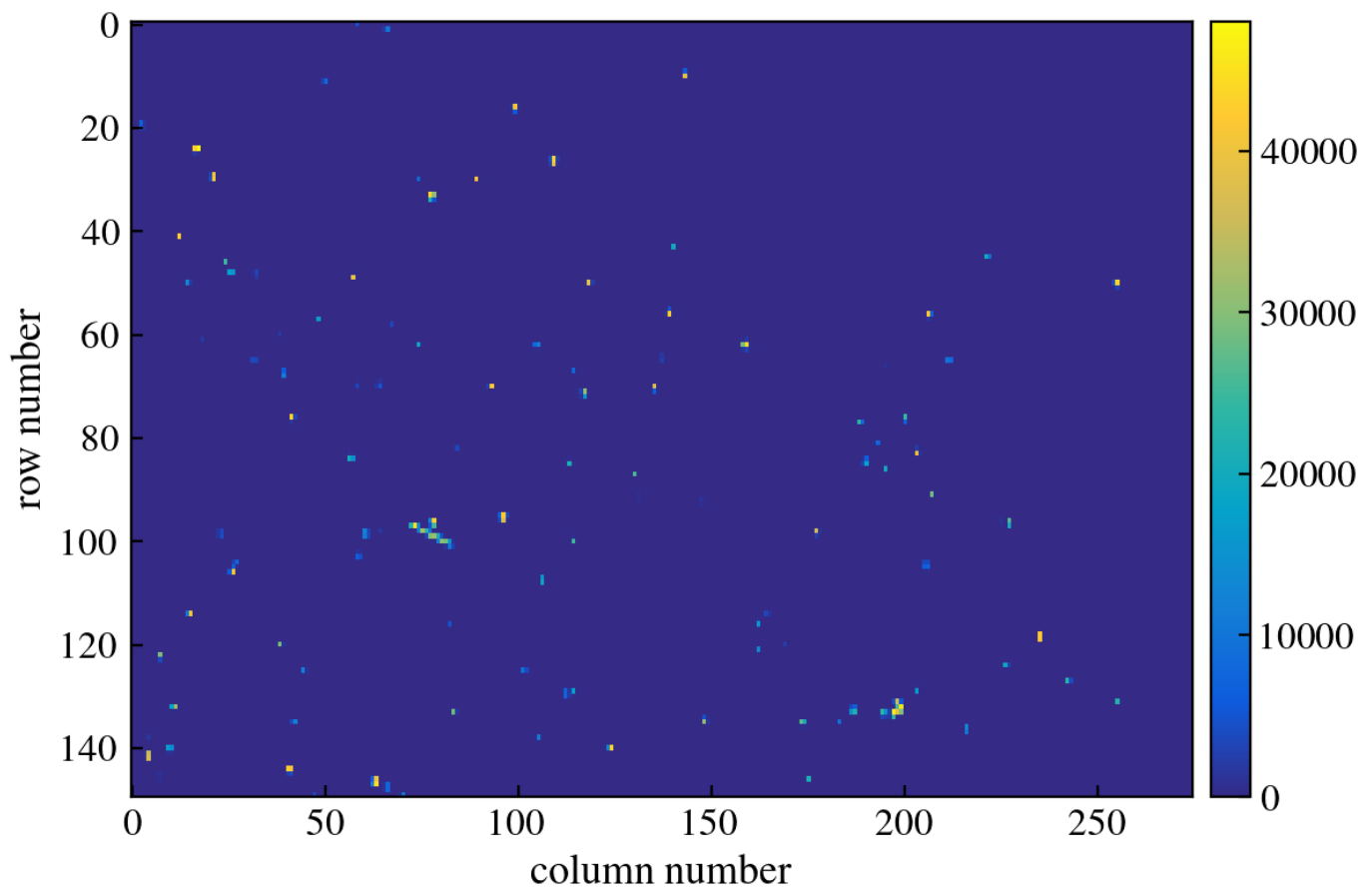


Figure 153: CCD Image

CCD Image: run 154, image 208  
[class MECCDImage]

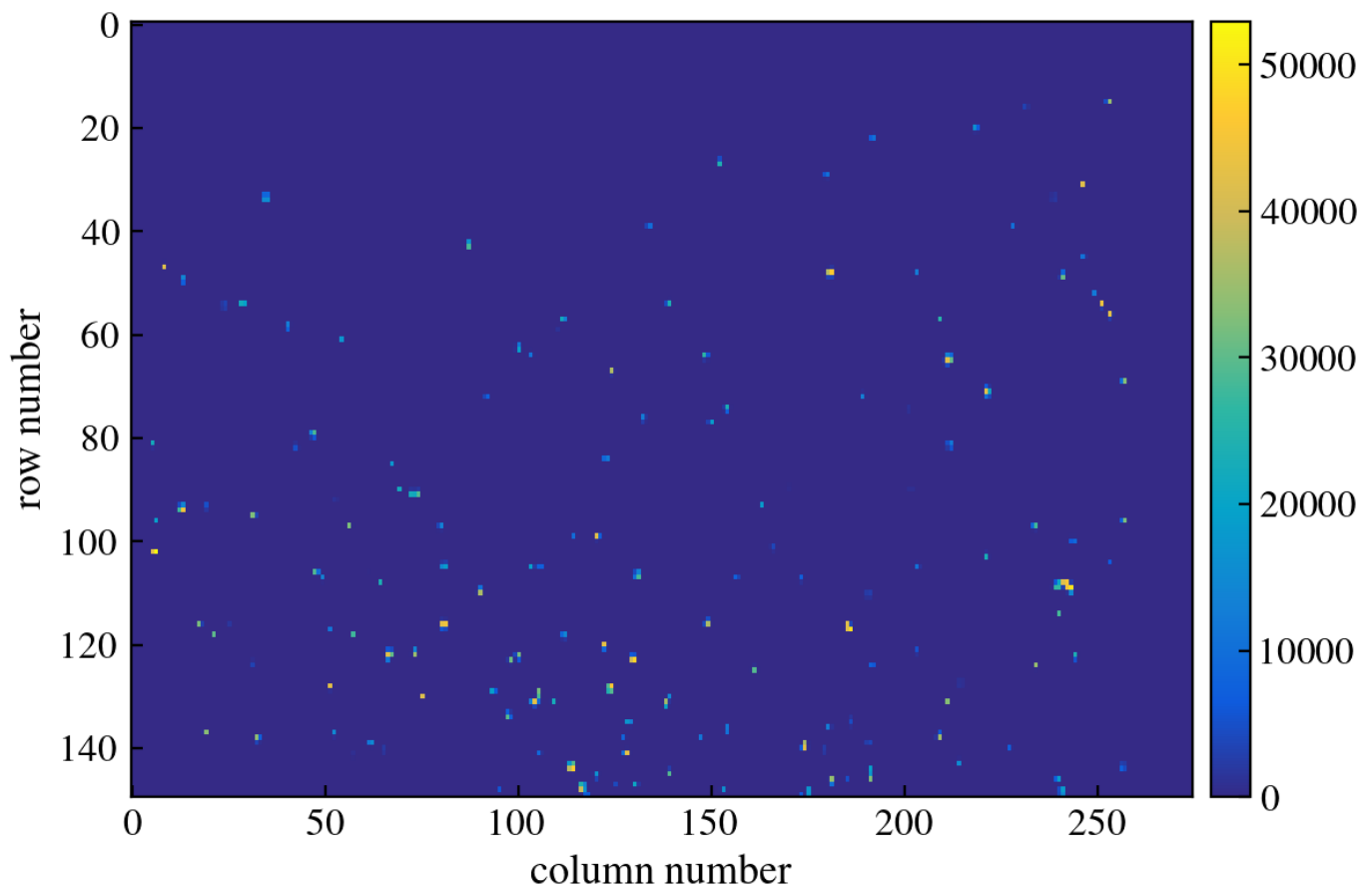


Figure 154: CCD Image

CCD Image: run 154, image 209  
[class MECCDImage]

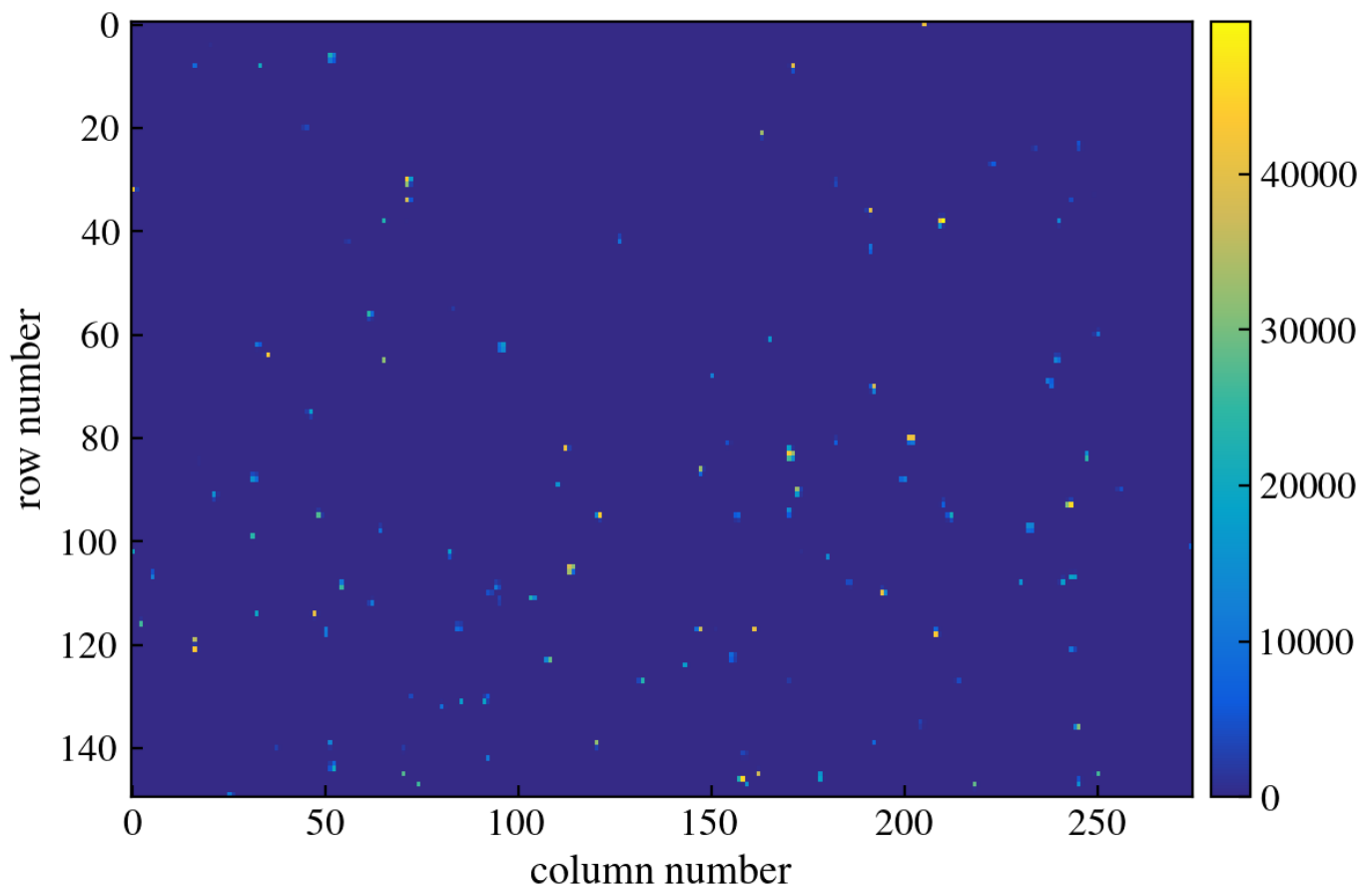


Figure 155: CCD Image



CCD Image: run 154, image 21  
[class MECCDImage]

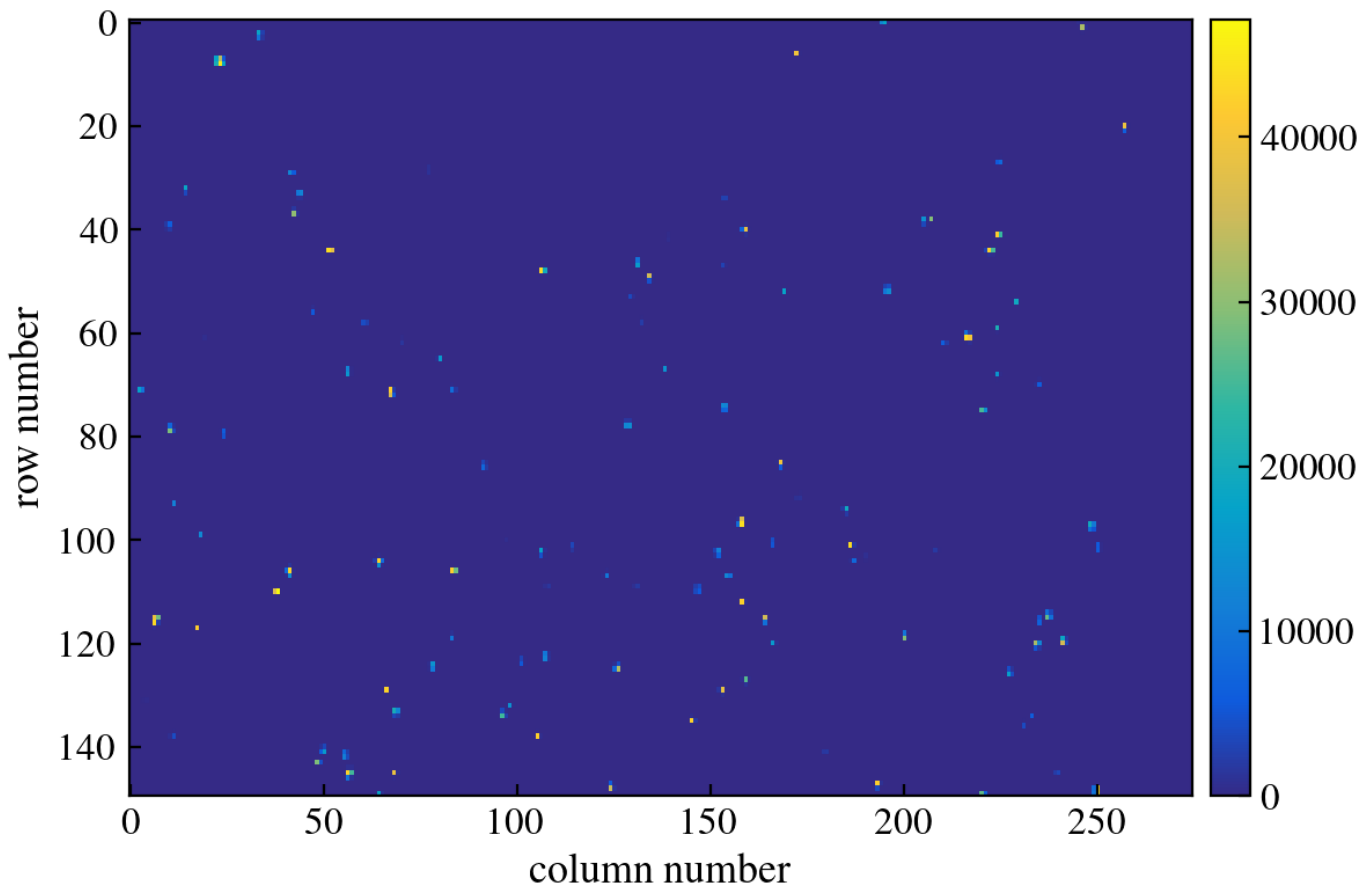


Figure 156: CCD Image

CCD Image: run 154, image 210  
[class MECCDImage]

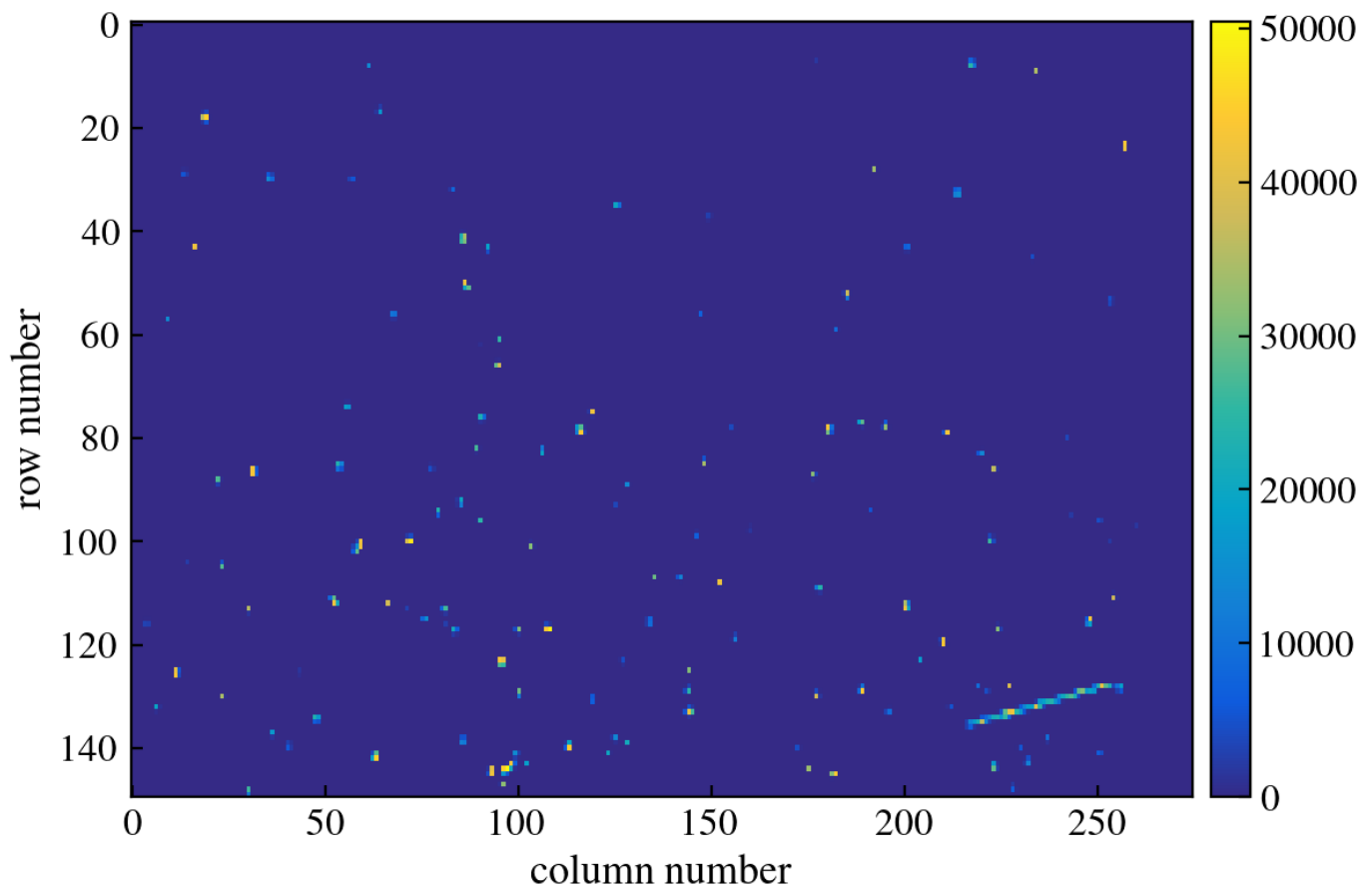


Figure 157: CCD Image

CCD Image: run 154, image 211  
[class MECCDImage]

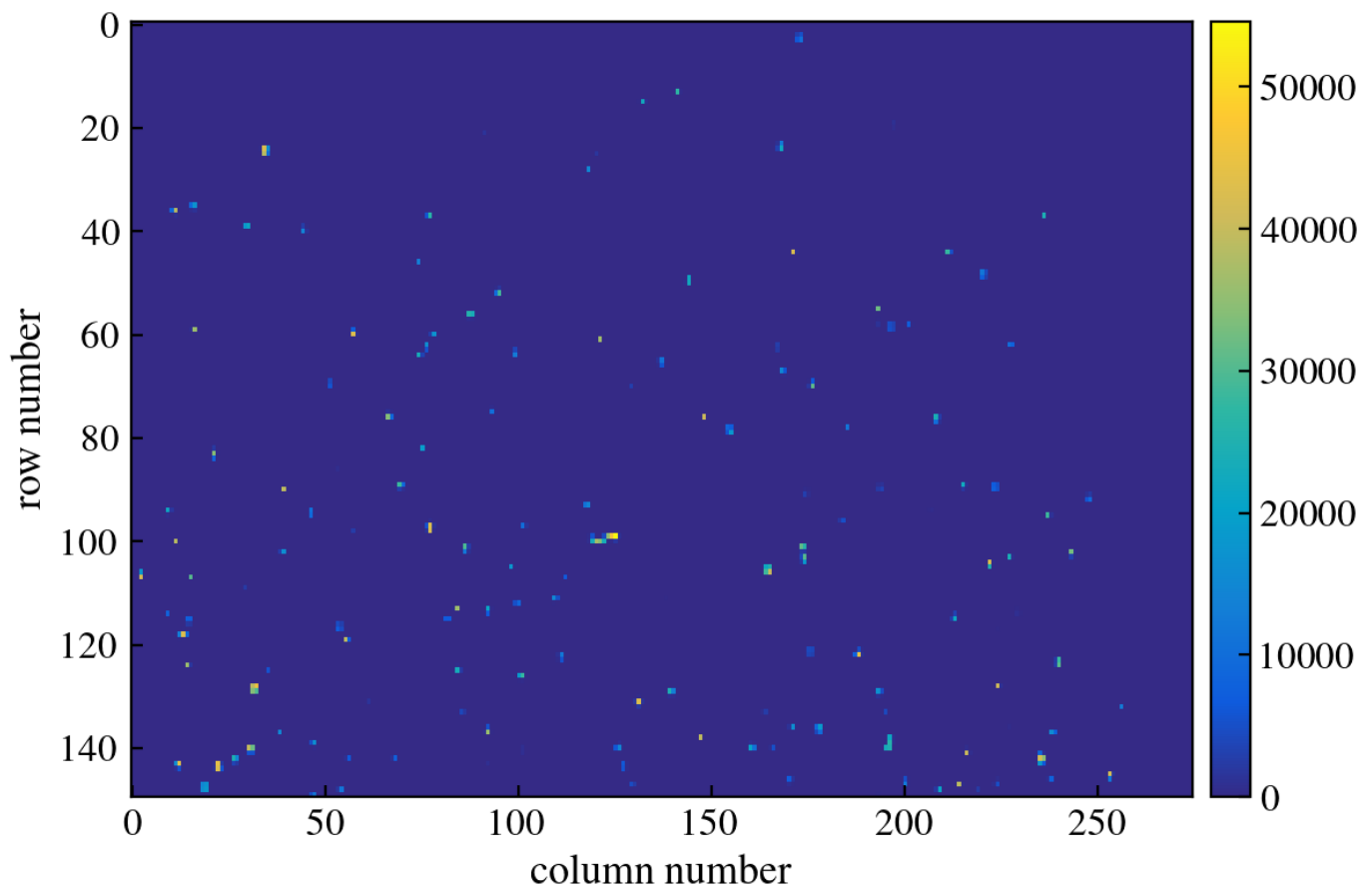


Figure 158: CCD Image

CCD Image: run 154, image 212  
[class MECCDImage]

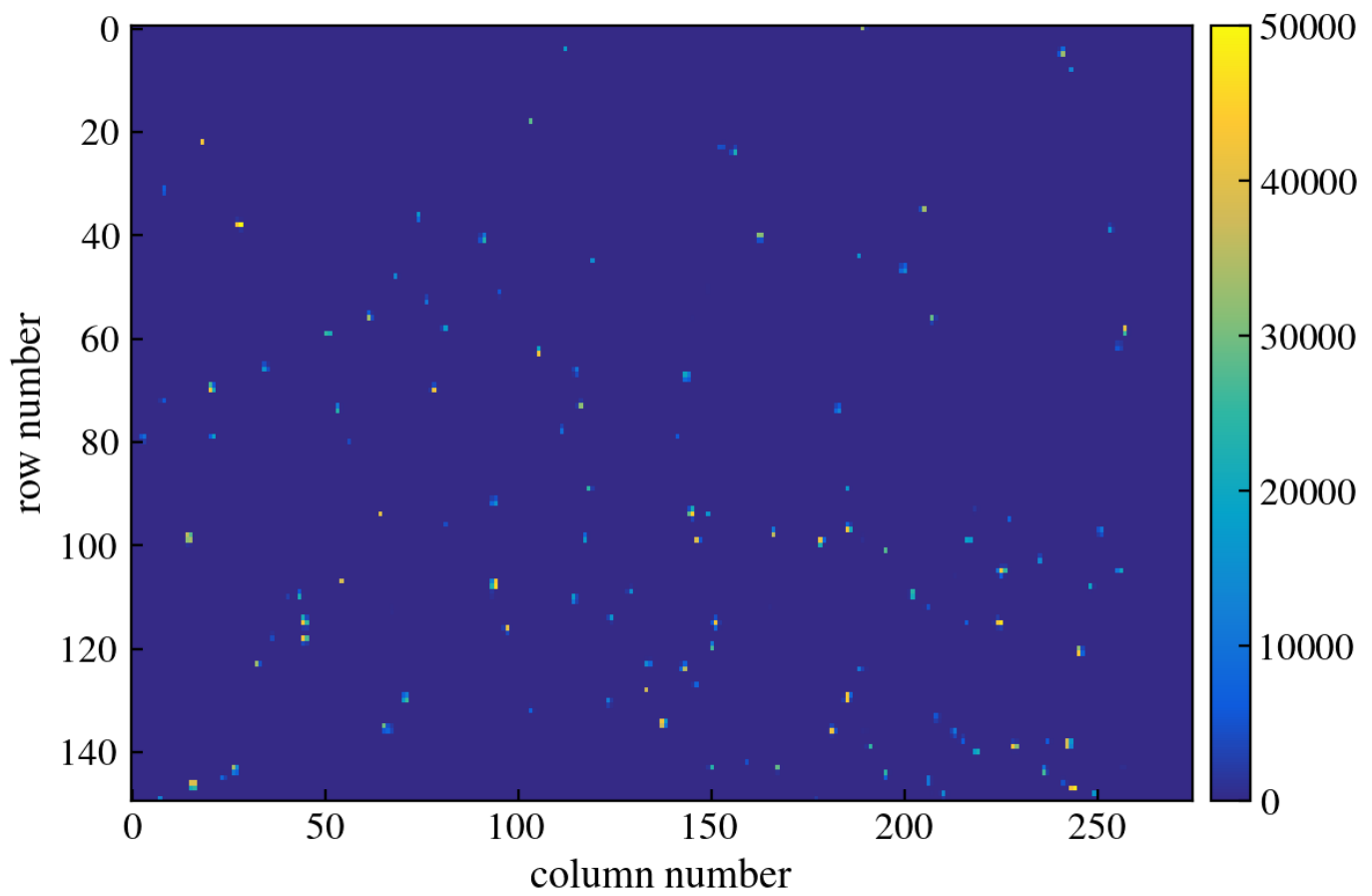


Figure 159: CCD Image

CCD Image: run 154, image 213  
[class MECCDImage]

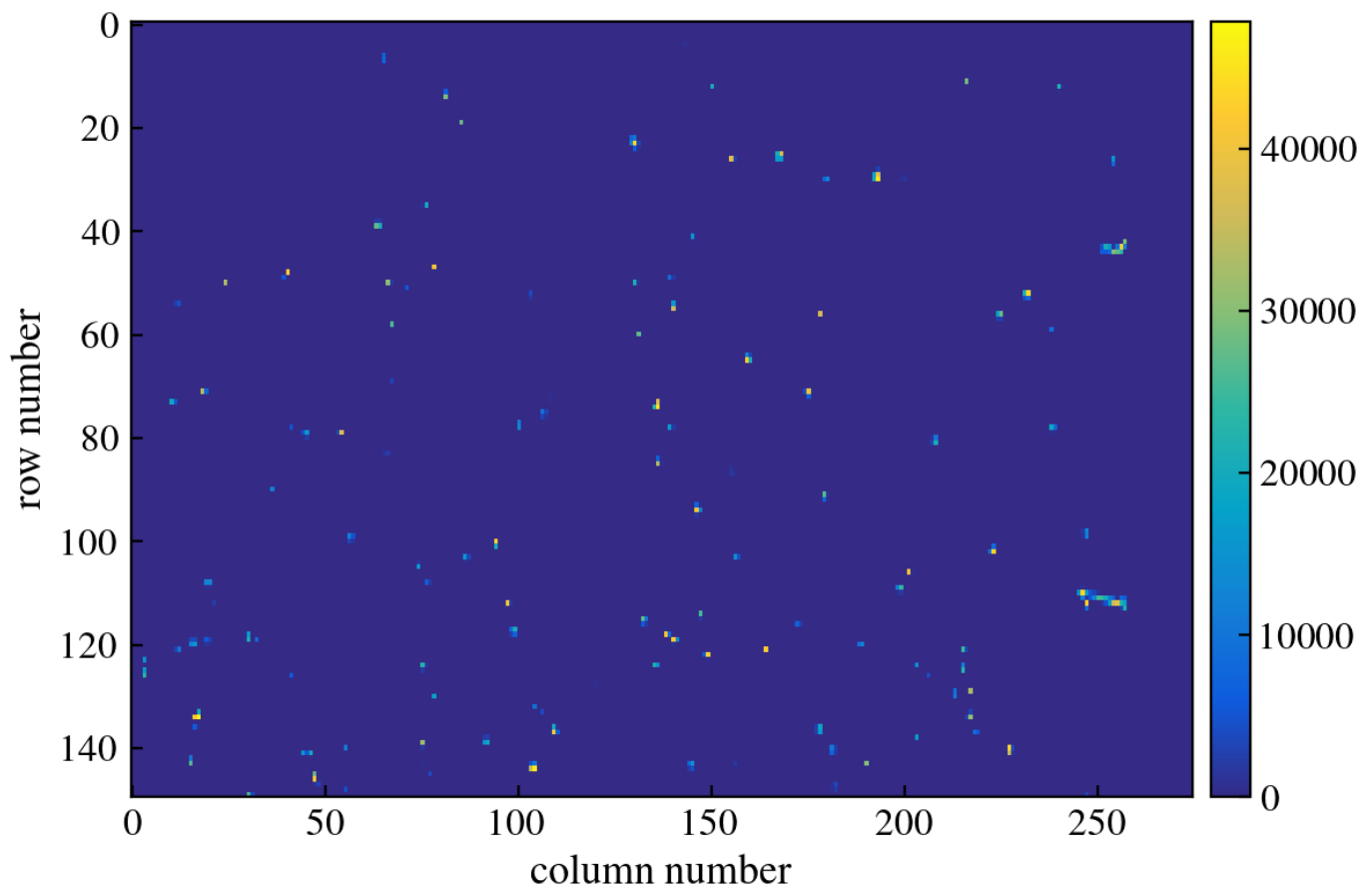


Figure 160: CCD Image

CCD Image: run 154, image 214  
[class MECCDImage]

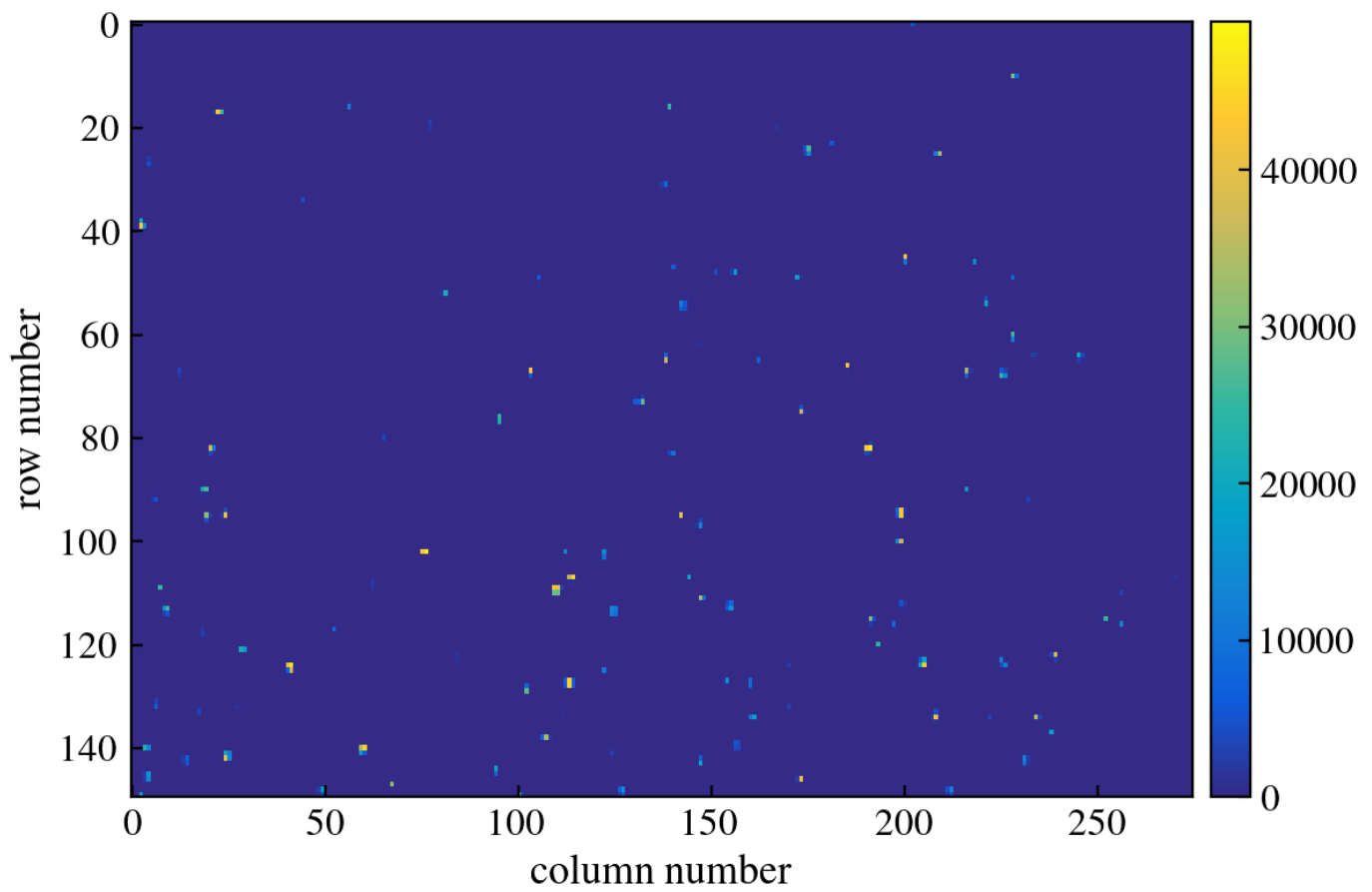


Figure 161: CCD Image

CCD Image: run 154, image 215  
[class MECCDImage]

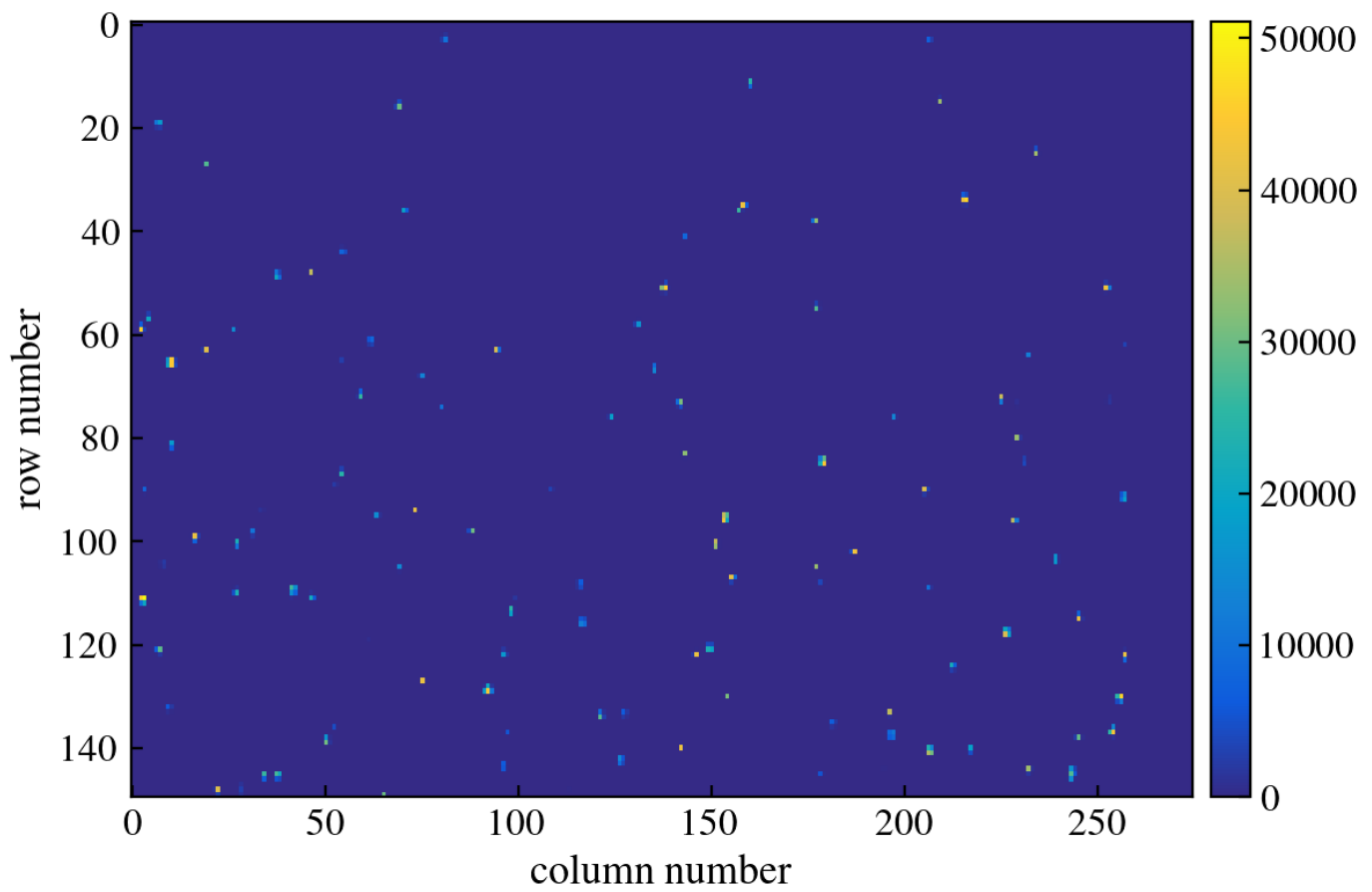


Figure 162: CCD Image

CCD Image: run 154, image 216  
[class MECCDImage]

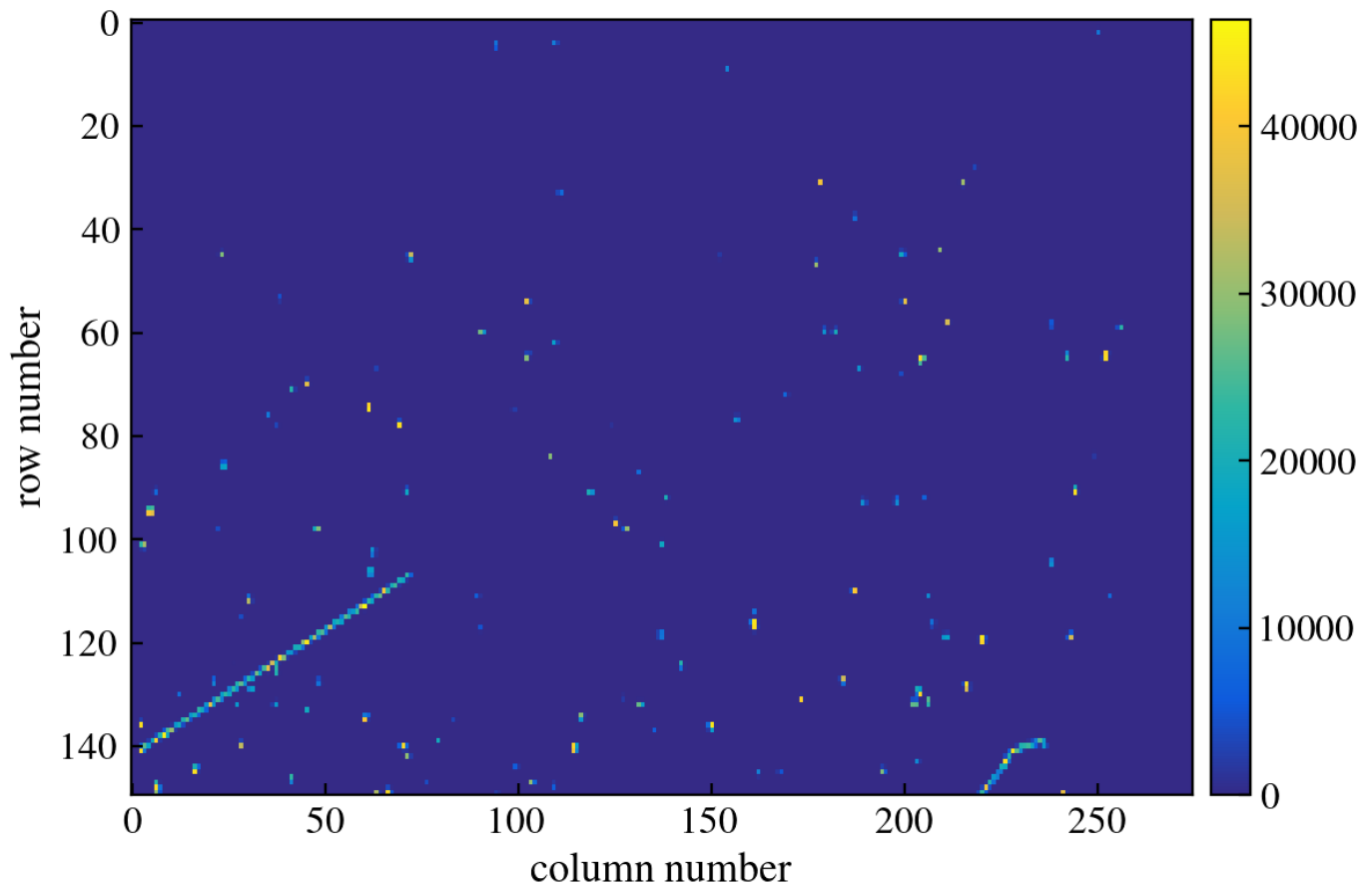


Figure 163: CCD Image



CCD Image: run 154, image 217  
[class MECCDImage]

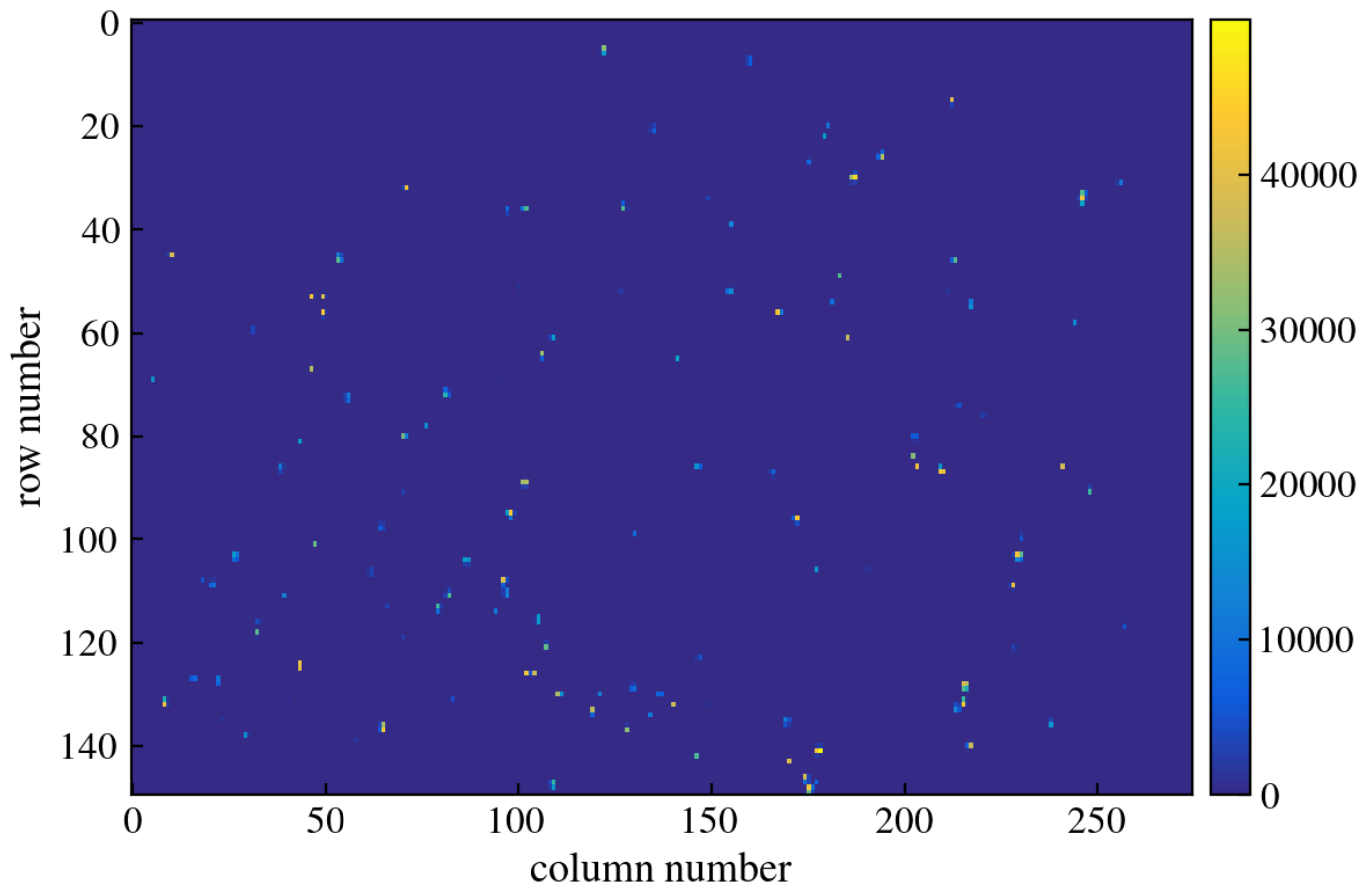


Figure 164: CCD Image

CCD Image: run 154, image 218  
[class MECCDImage]

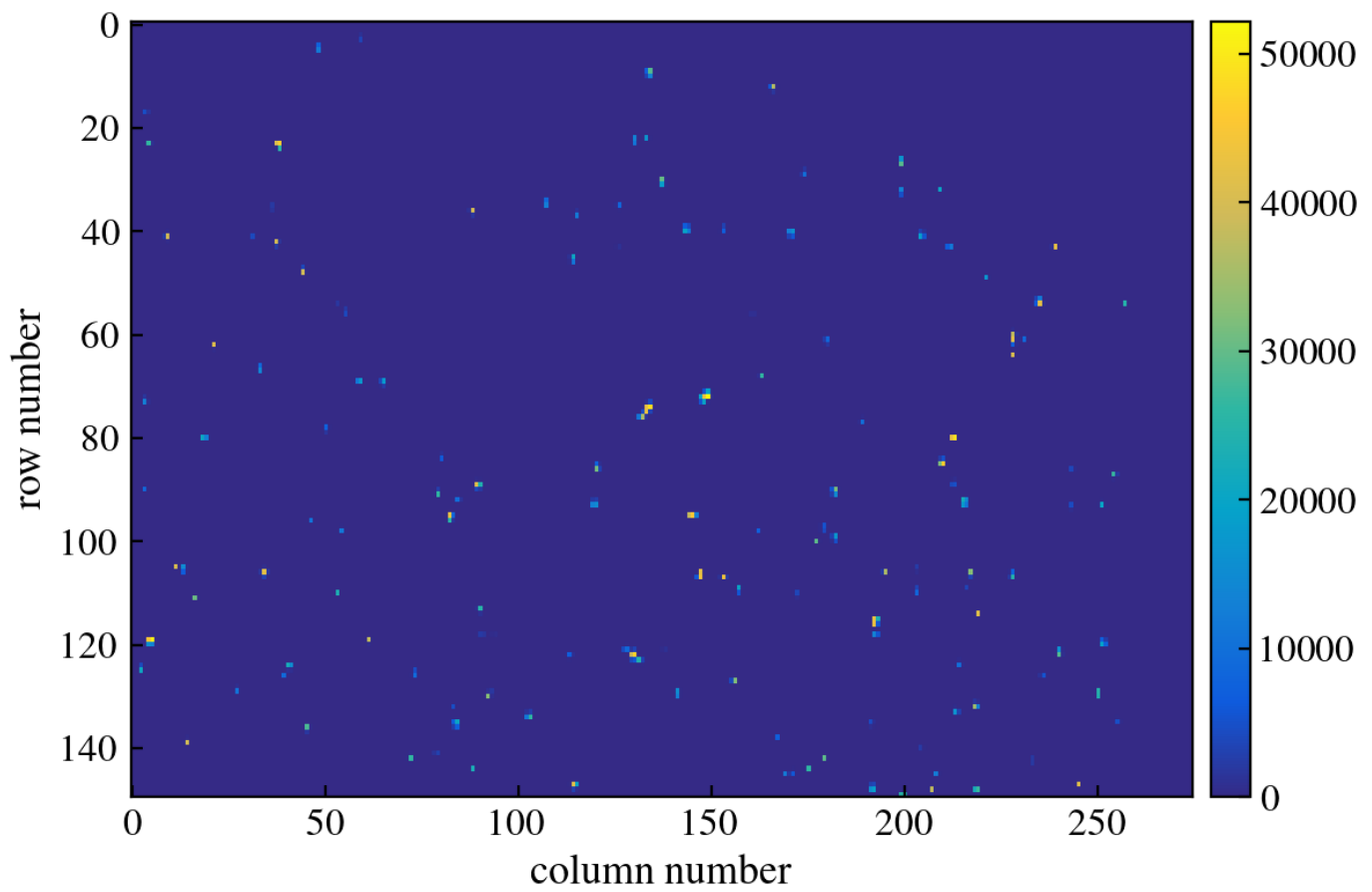


Figure 165: CCD Image

CCD Image: run 154, image 219  
[class MECCDImage]

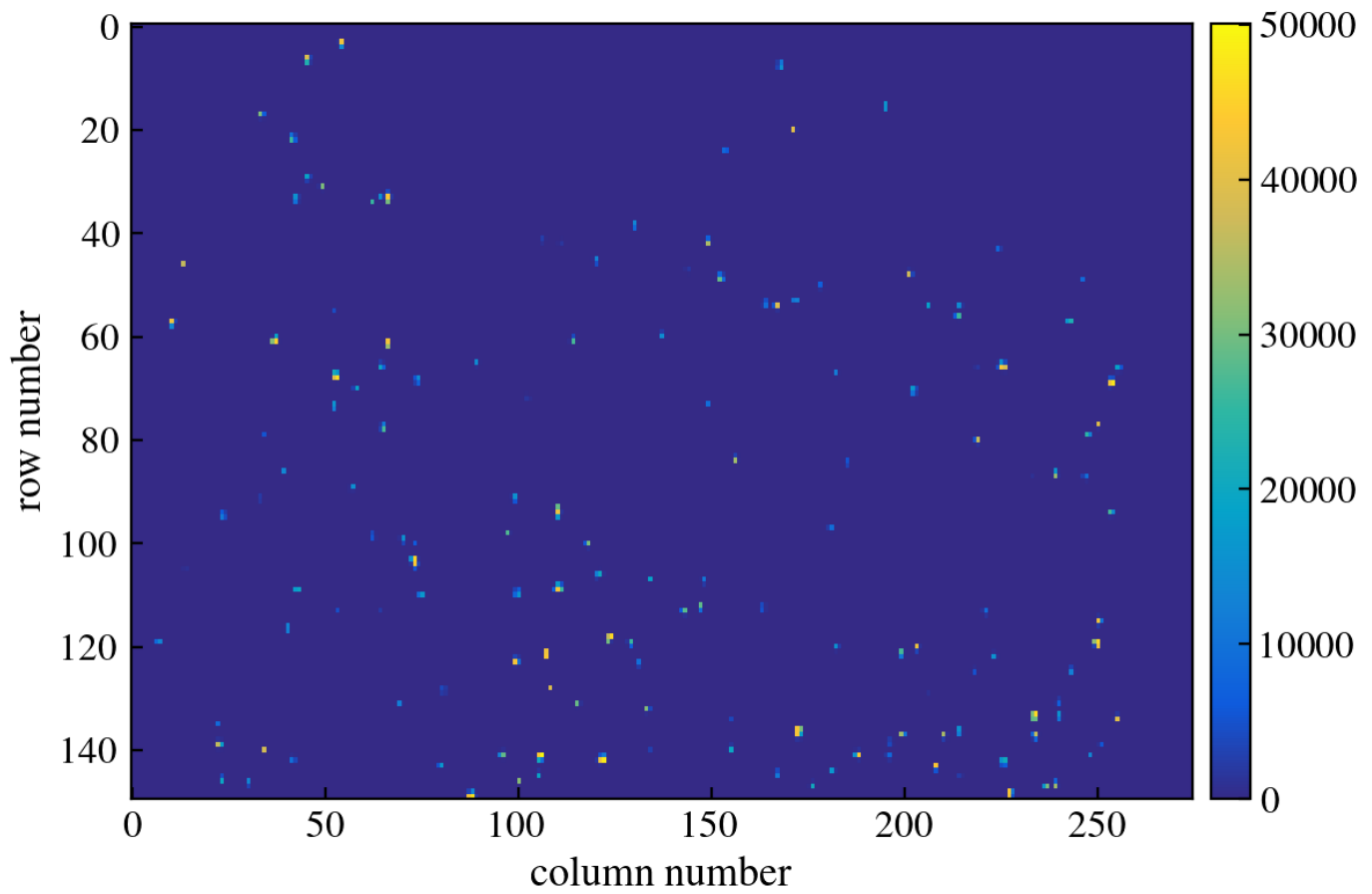


Figure 166: CCD Image

CCD Image: run 154, image 22  
[class MECCDImage]

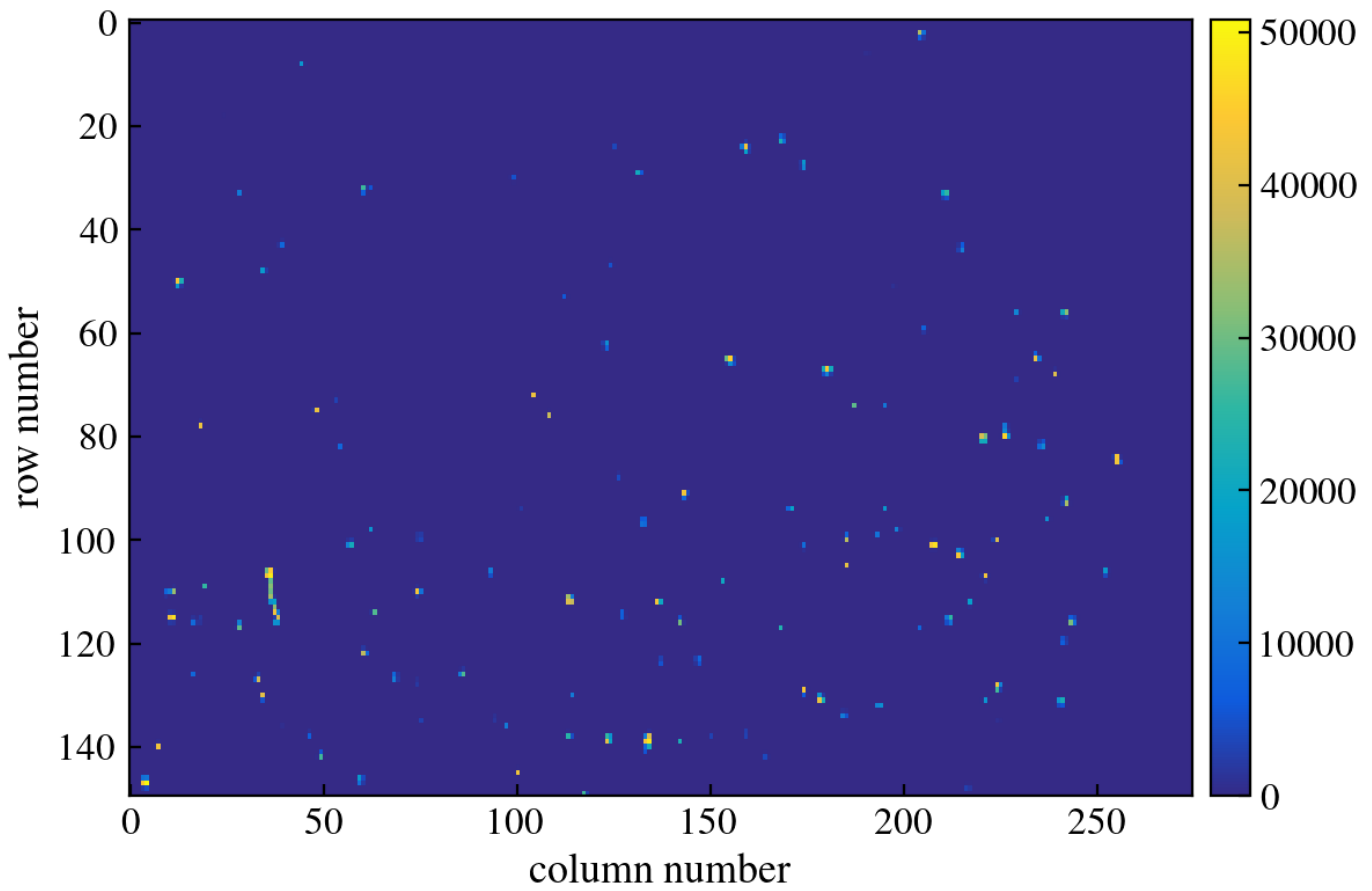


Figure 167: CCD Image

CCD Image: run 154, image 220  
[class MECCDImage]

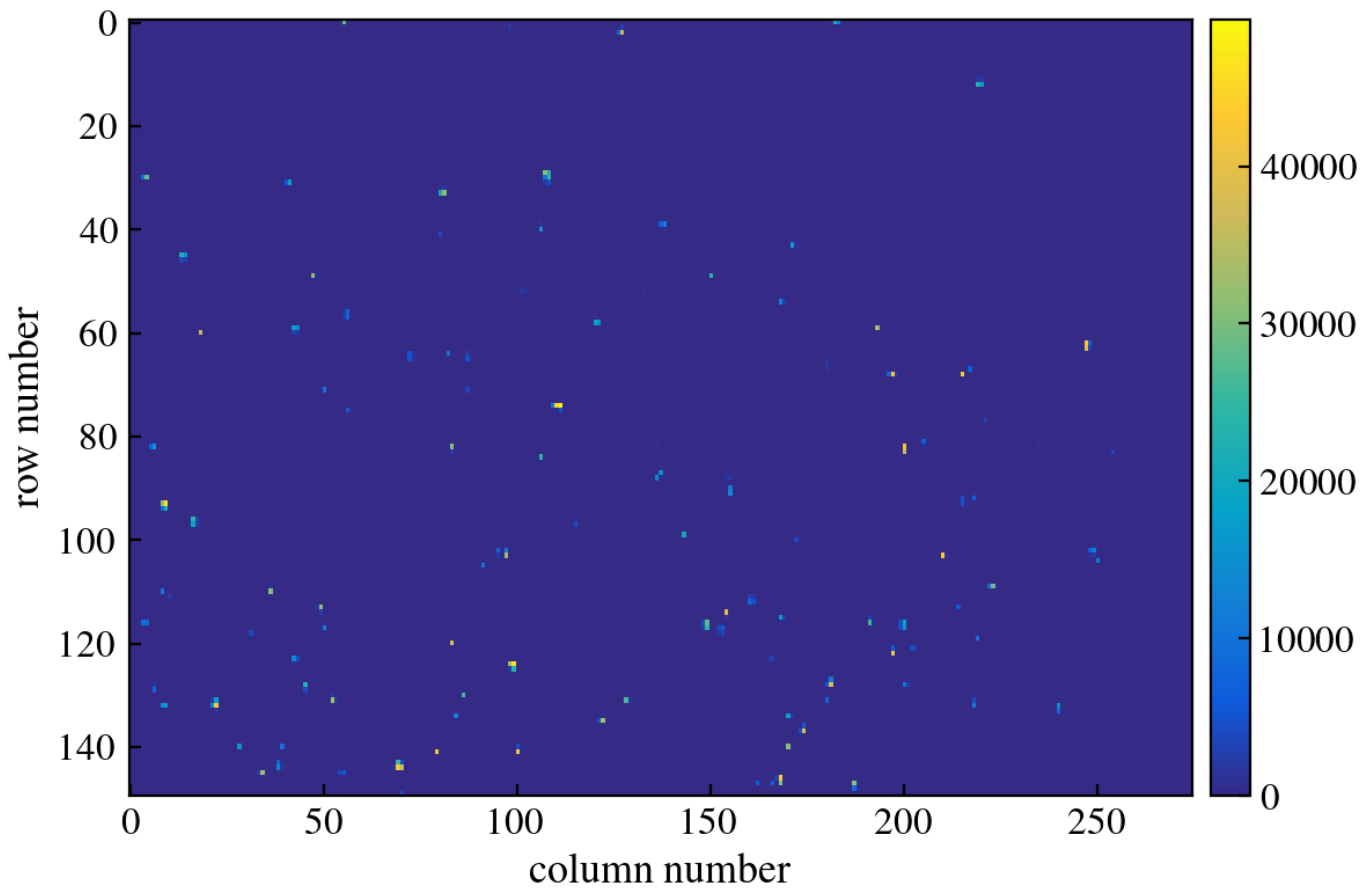


Figure 168: CCD Image

CCD Image: run 154, image 221  
[class MECCDImage]

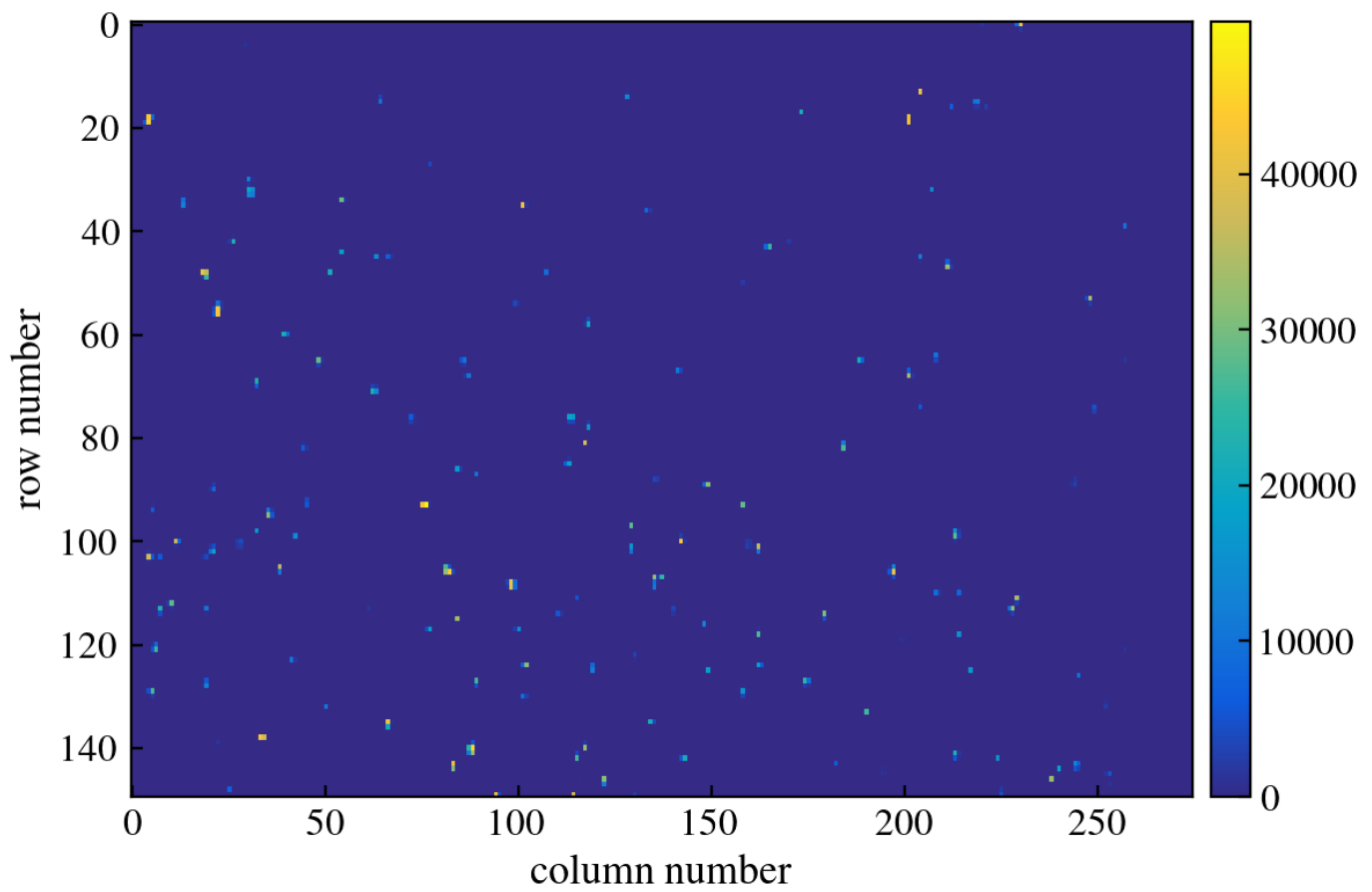


Figure 169: CCD Image

CCD Image: run 154, image 222  
[class MECCDImage]

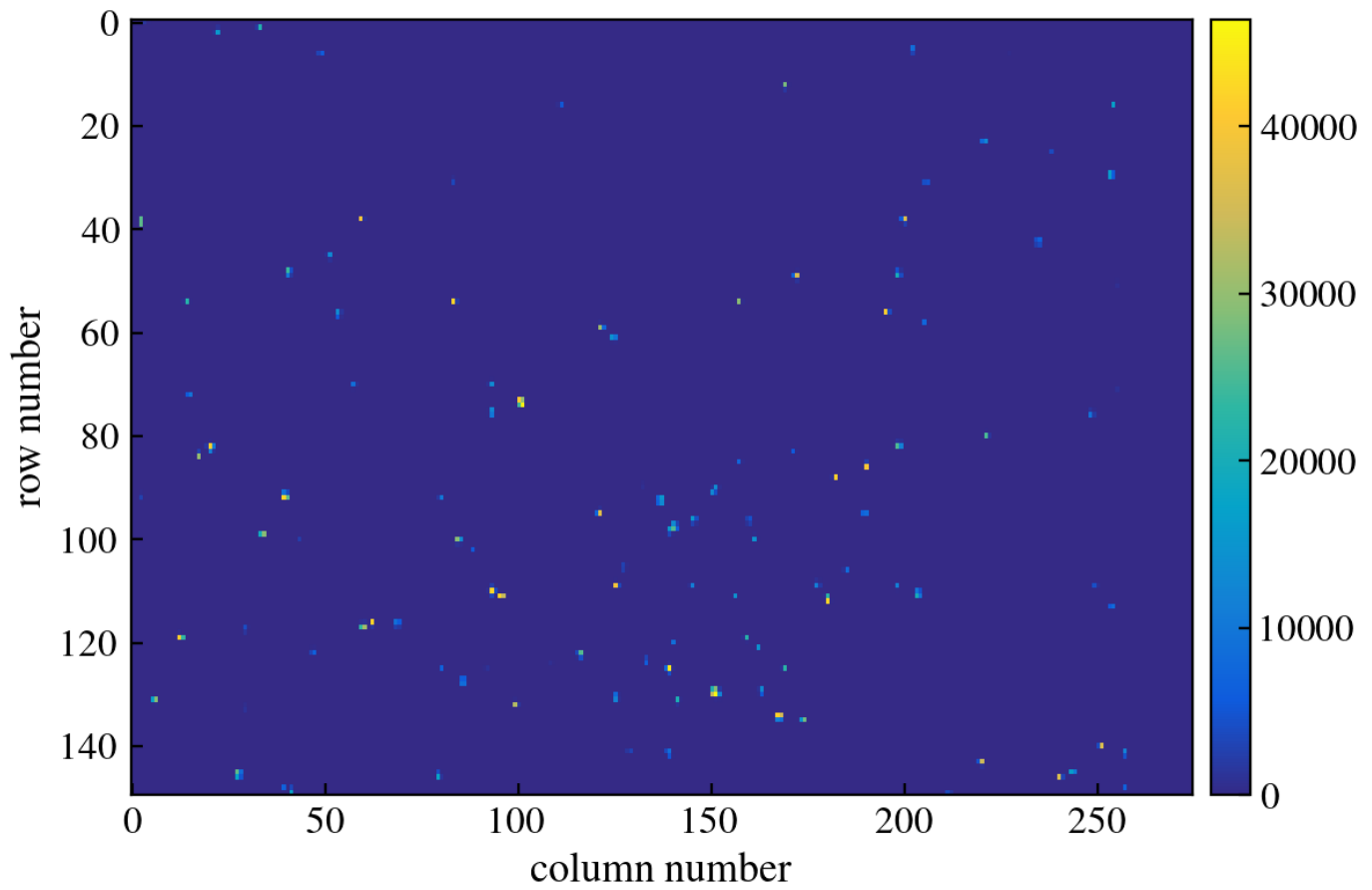


Figure 170: CCD Image

CCD Image: run 154, image 223  
[class MECCDImage]

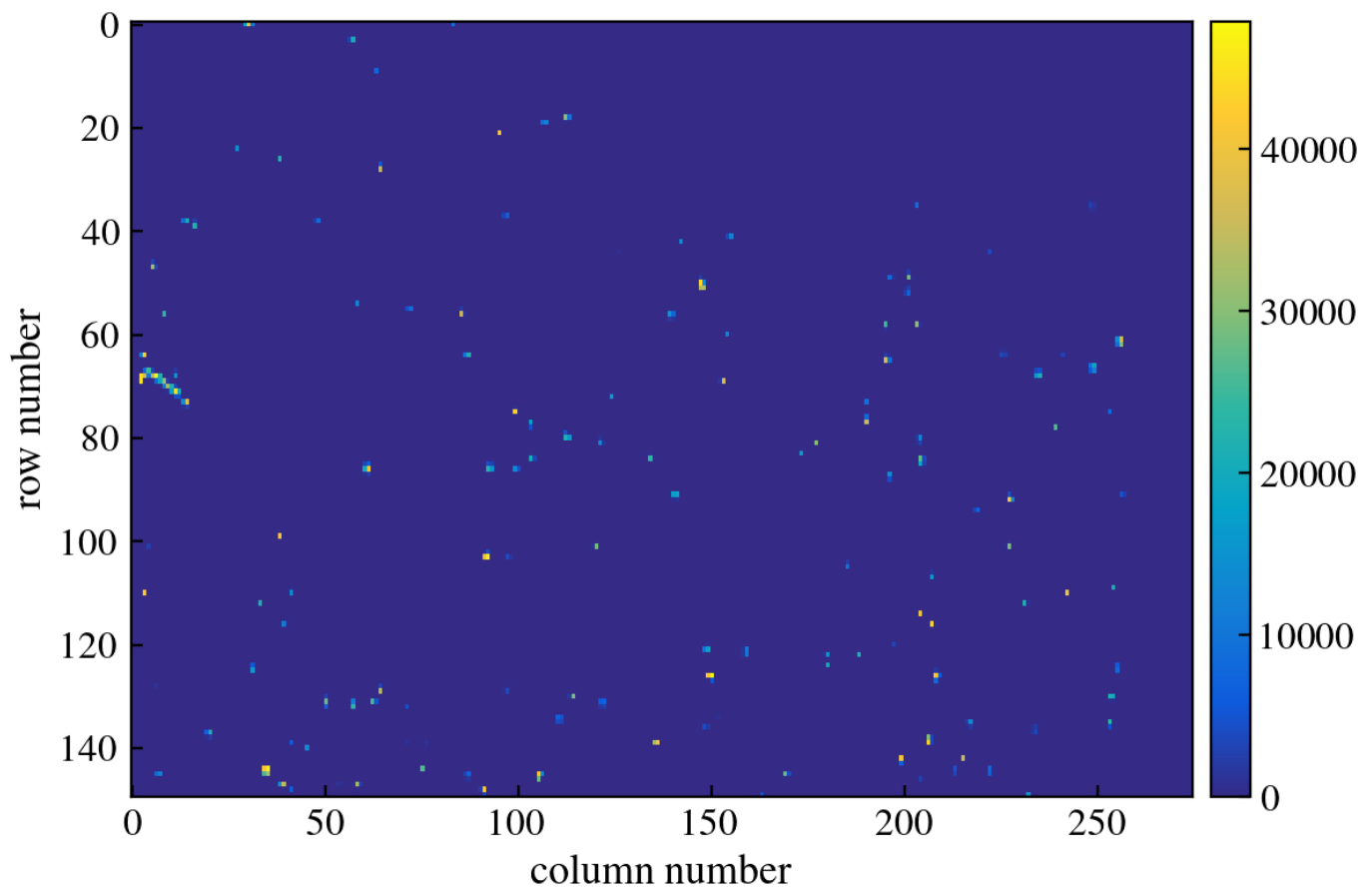


Figure 171: CCD Image



CCD Image: run 154, image 224  
[class MECCDImage]

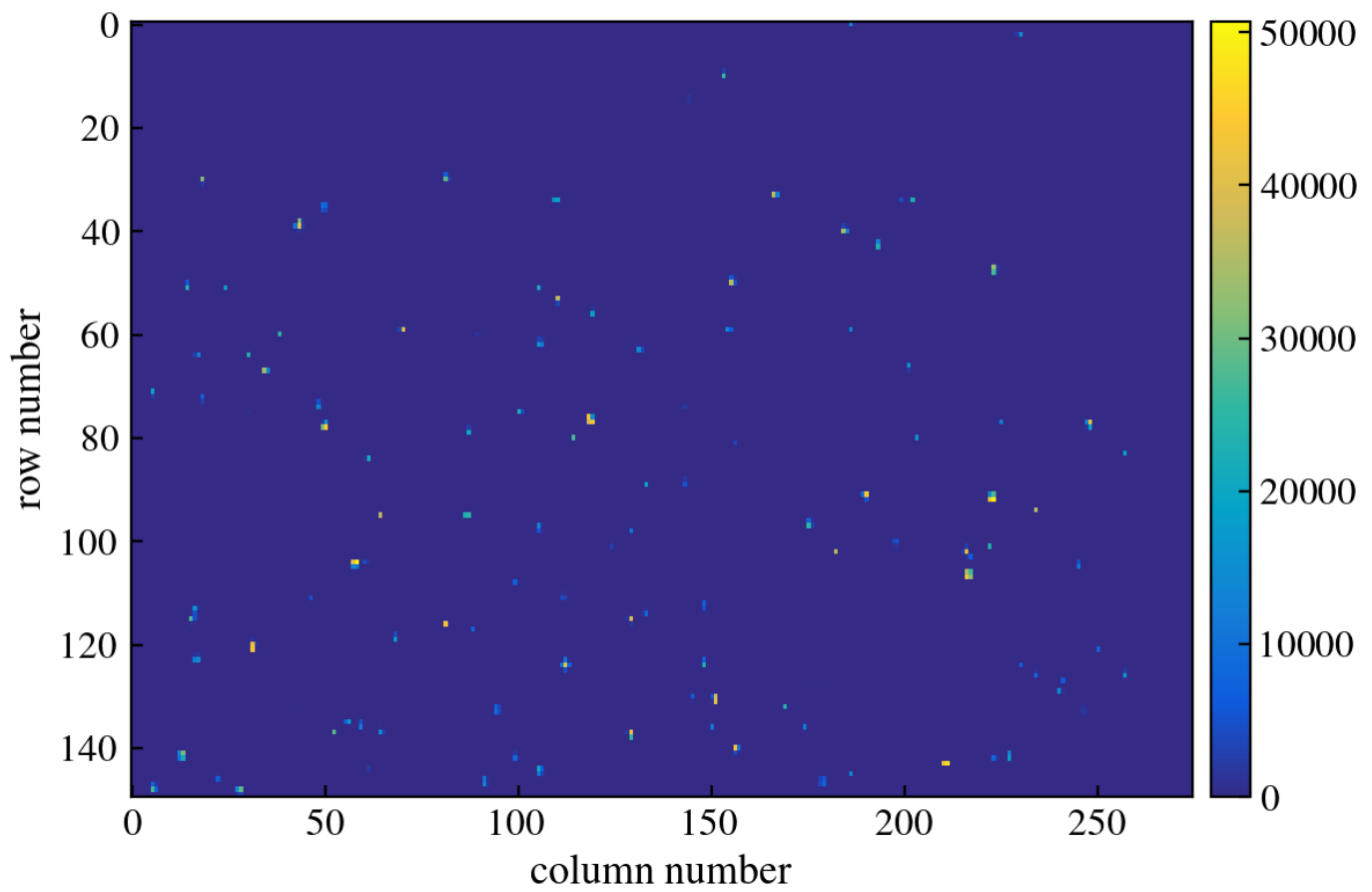


Figure 172: CCD Image

CCD Image: run 154, image 225  
[class MECCDImage]

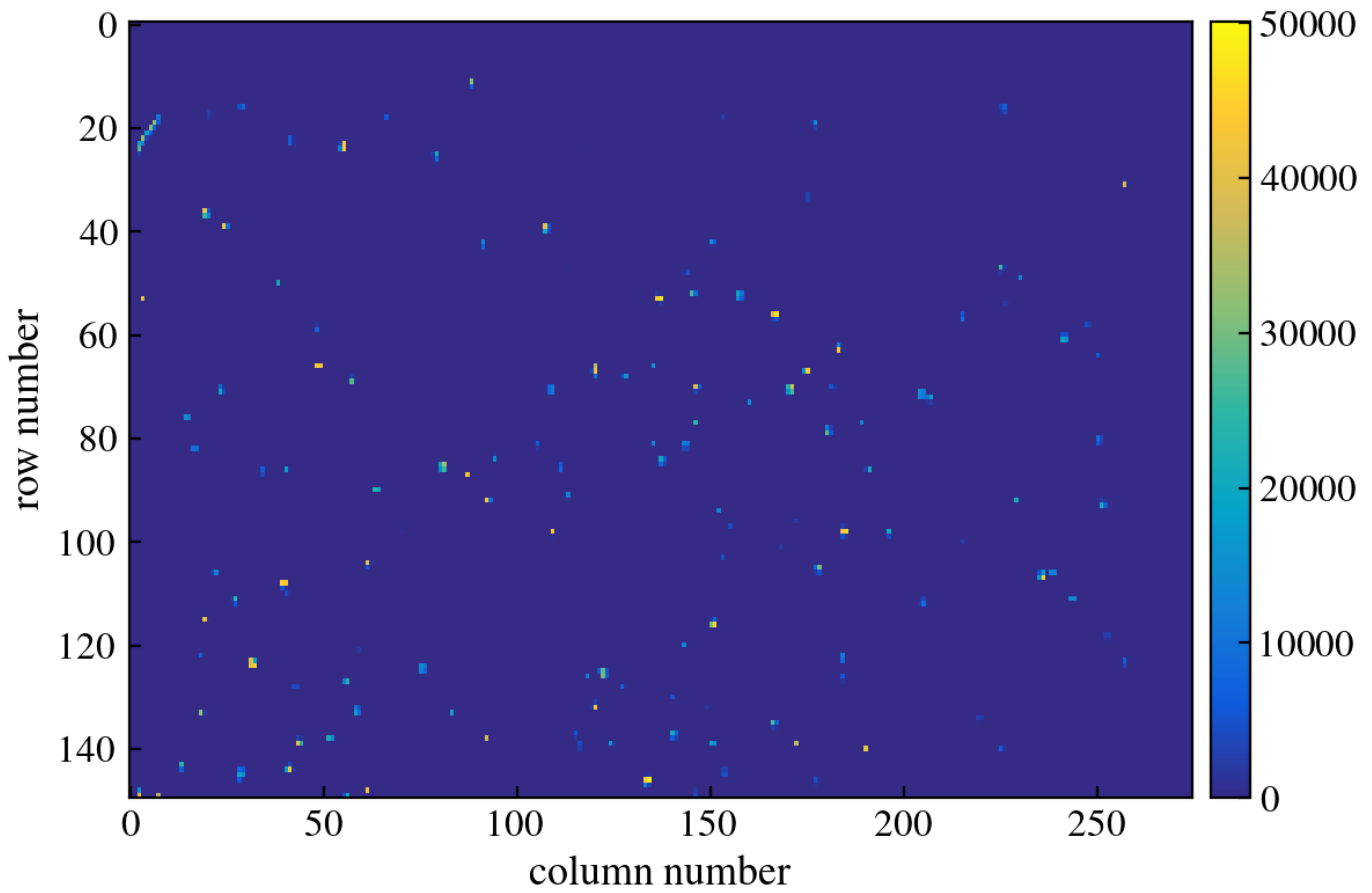


Figure 173: CCD Image

CCD Image: run 154, image 226  
[class MECCDImage]

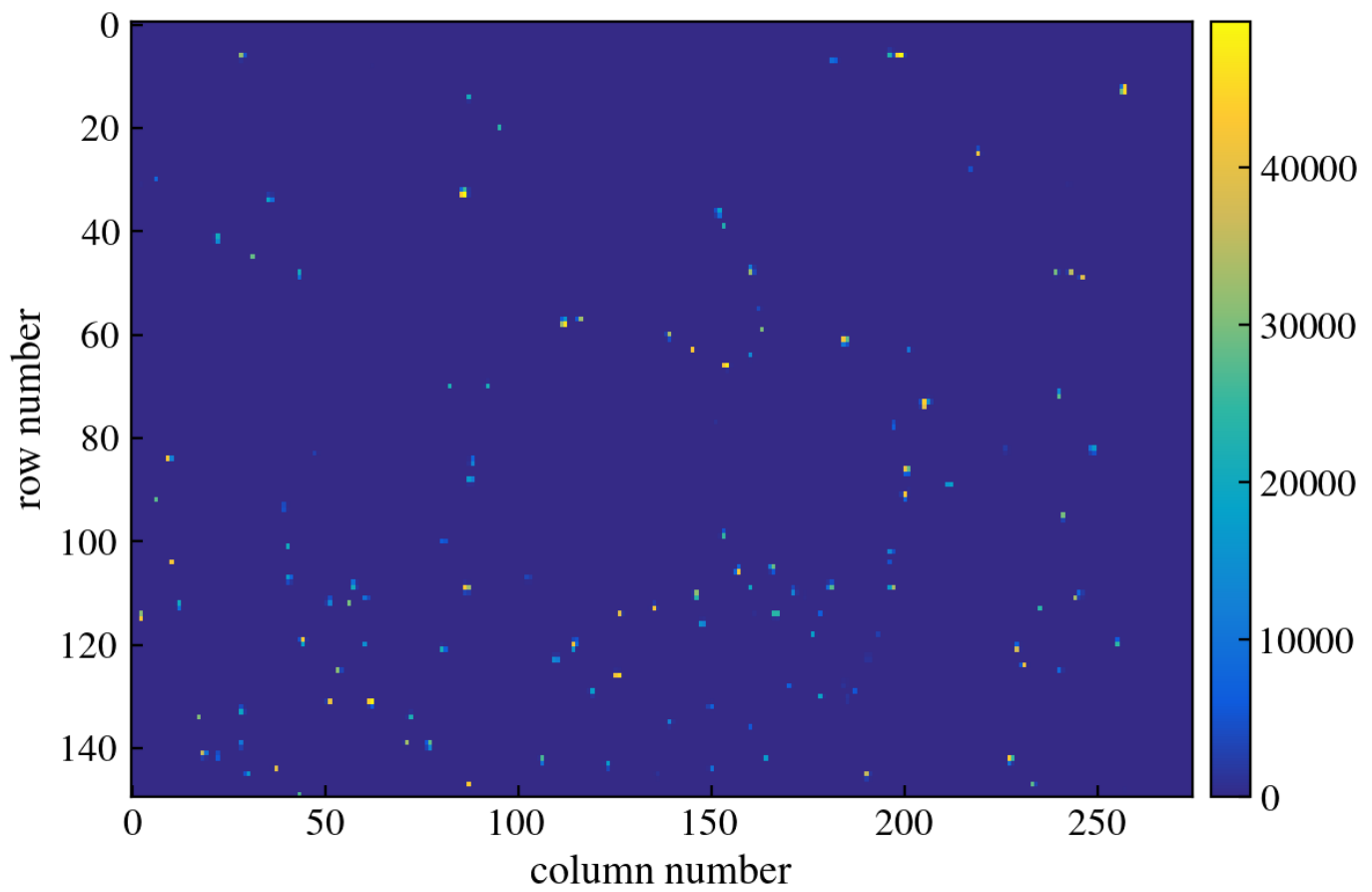


Figure 174: CCD Image

CCD Image: run 154, image 227  
[class MECCDImage]

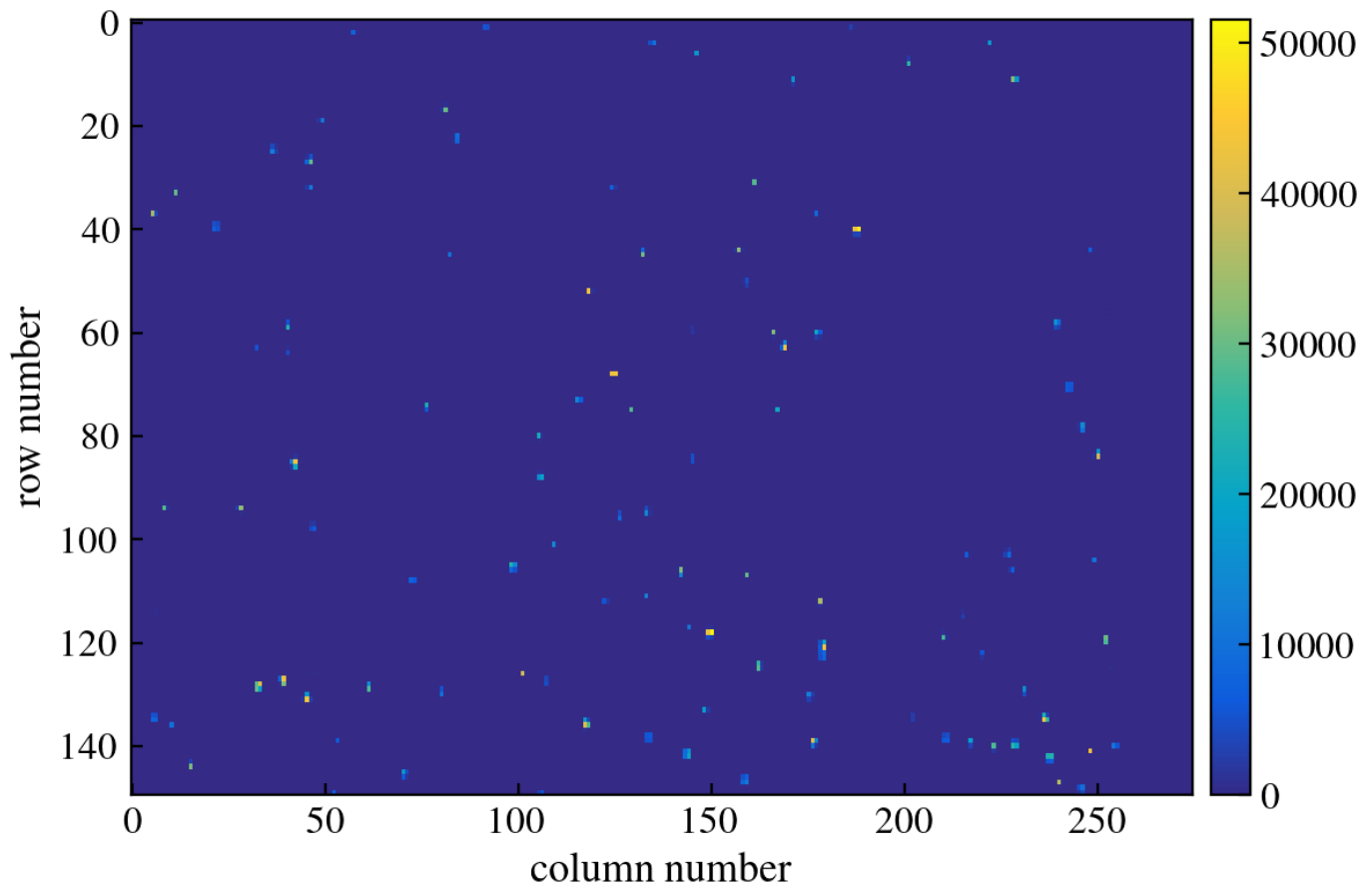


Figure 175: CCD Image

CCD Image: run 154, image 228  
[class MECCDImage]

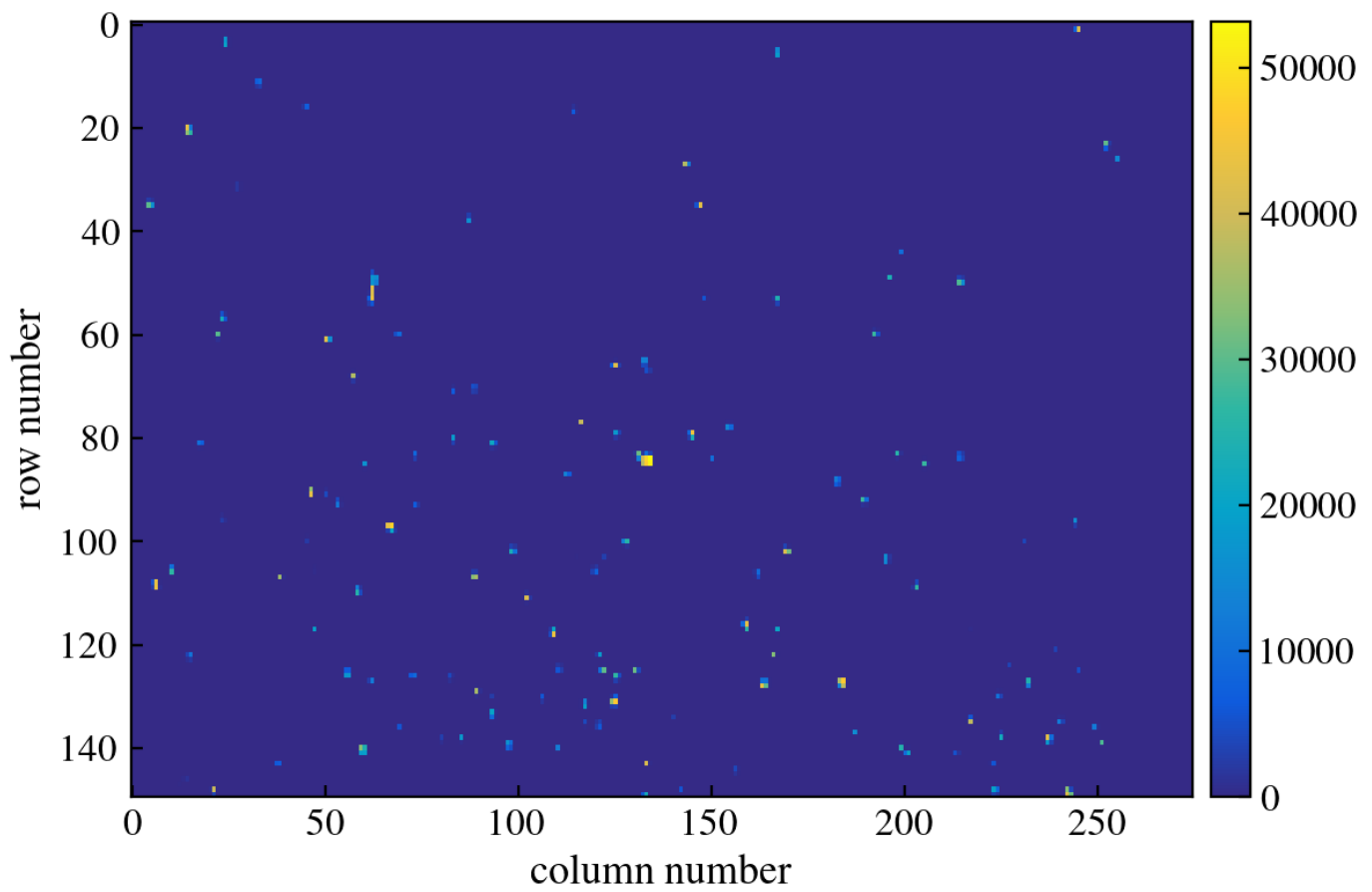


Figure 176: CCD Image

CCD Image: run 154, image 229  
[class MECCDImage]

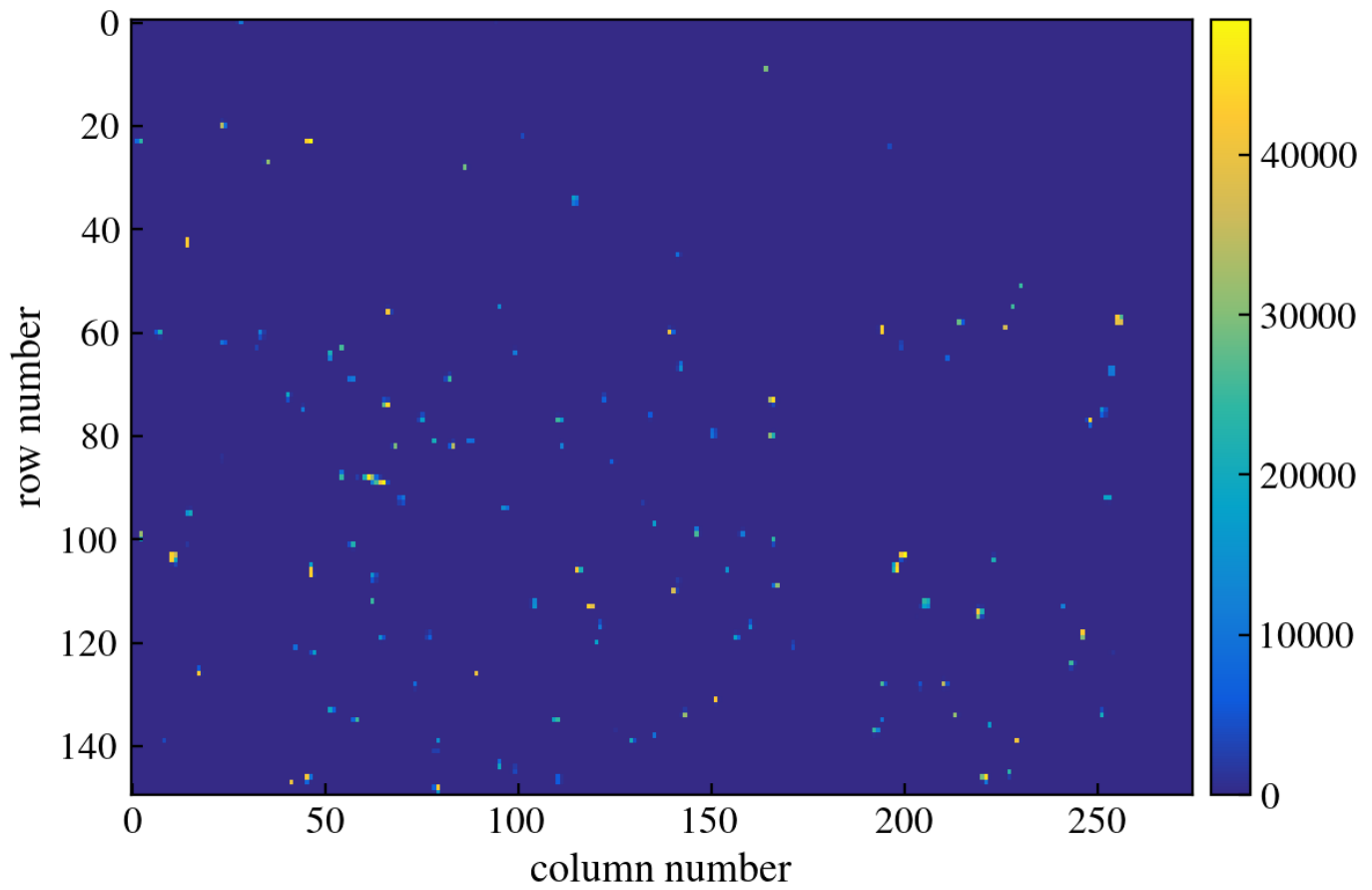


Figure 177: CCD Image

CCD Image: run 154, image 23  
[class MECCDImage]

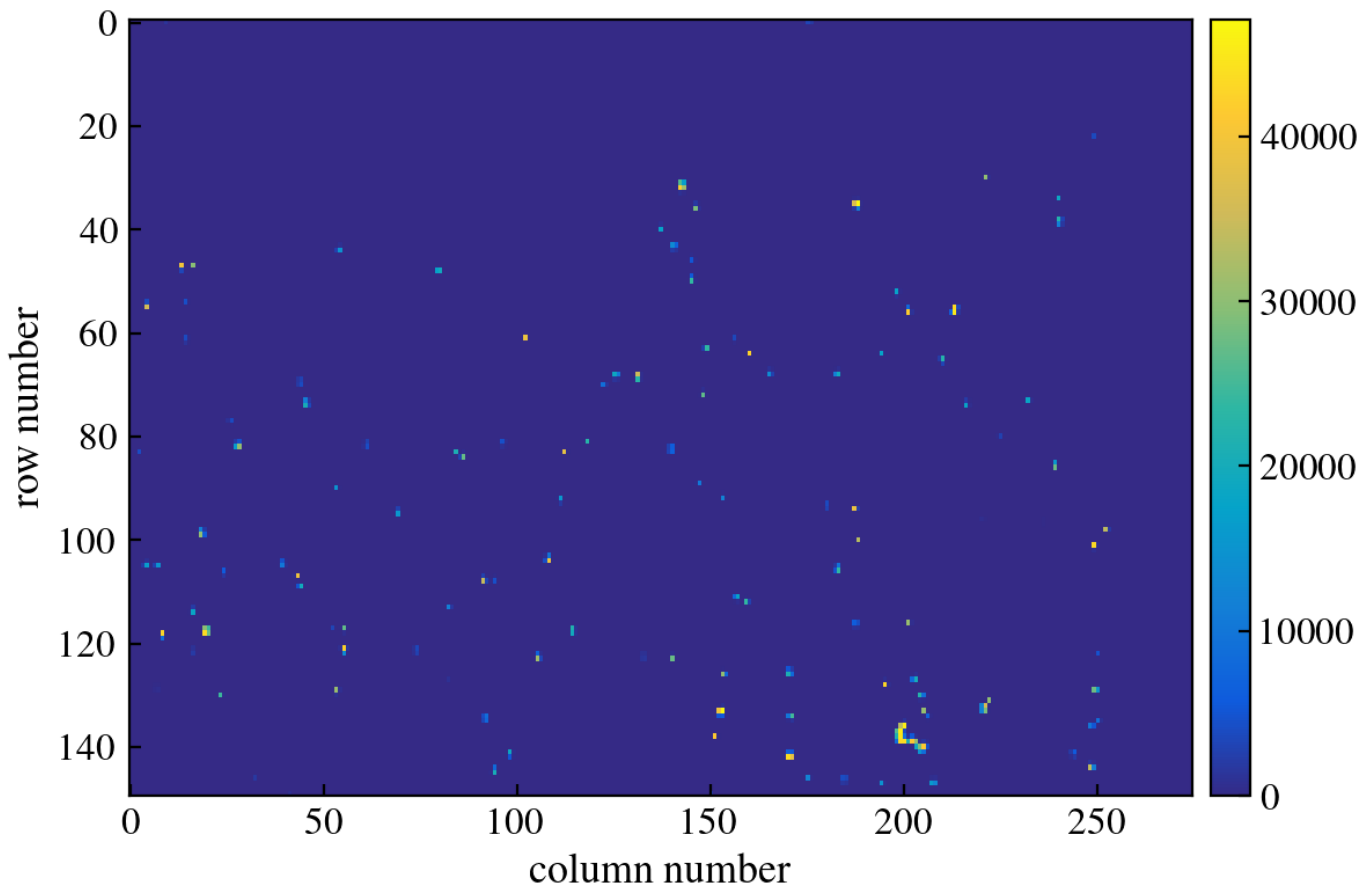


Figure 178: CCD Image

CCD Image: run 154, image 230  
[class MECCDImage]

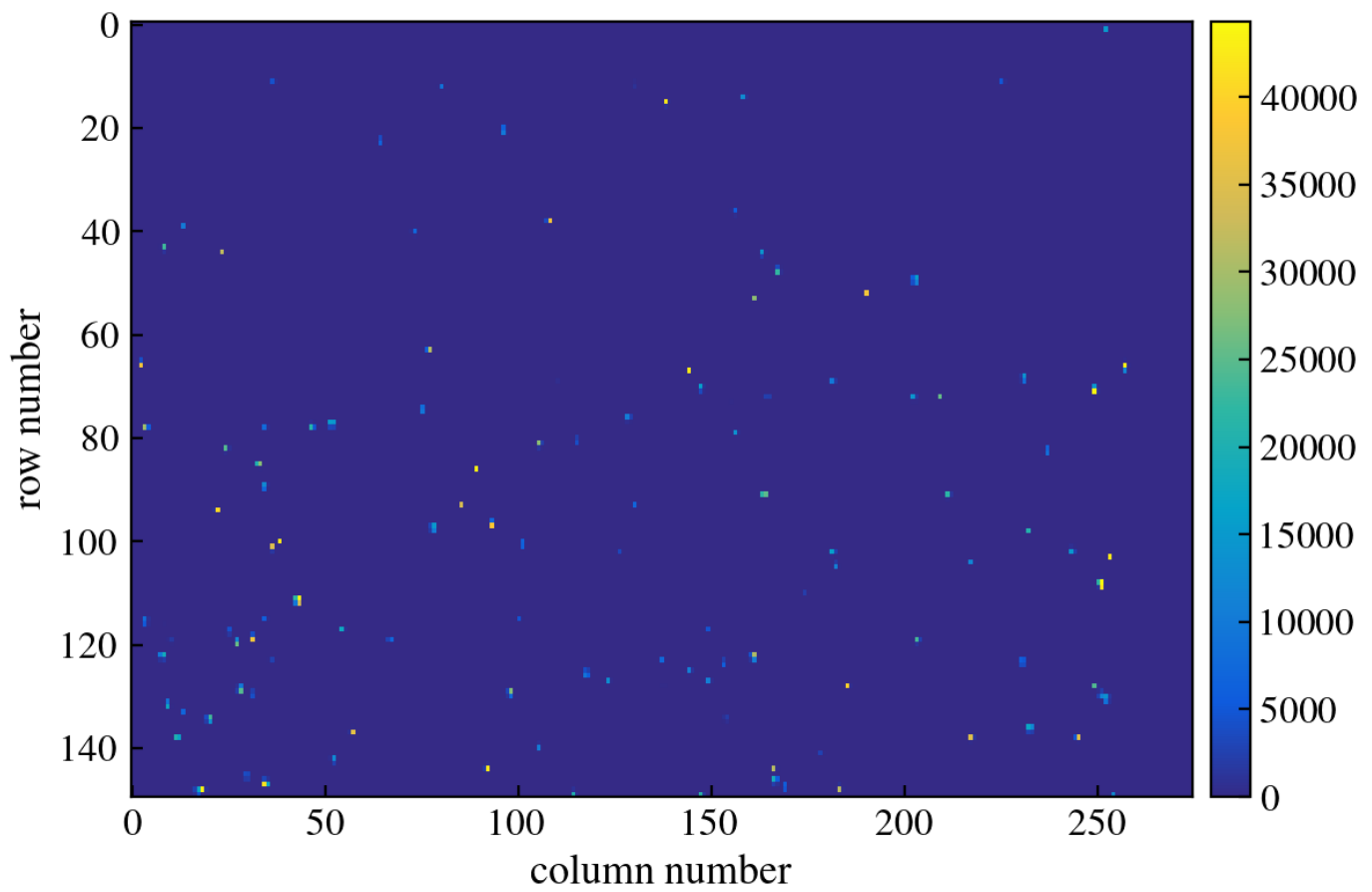


Figure 179: CCD Image



CCD Image: run 154, image 231  
[class MECCDImage]

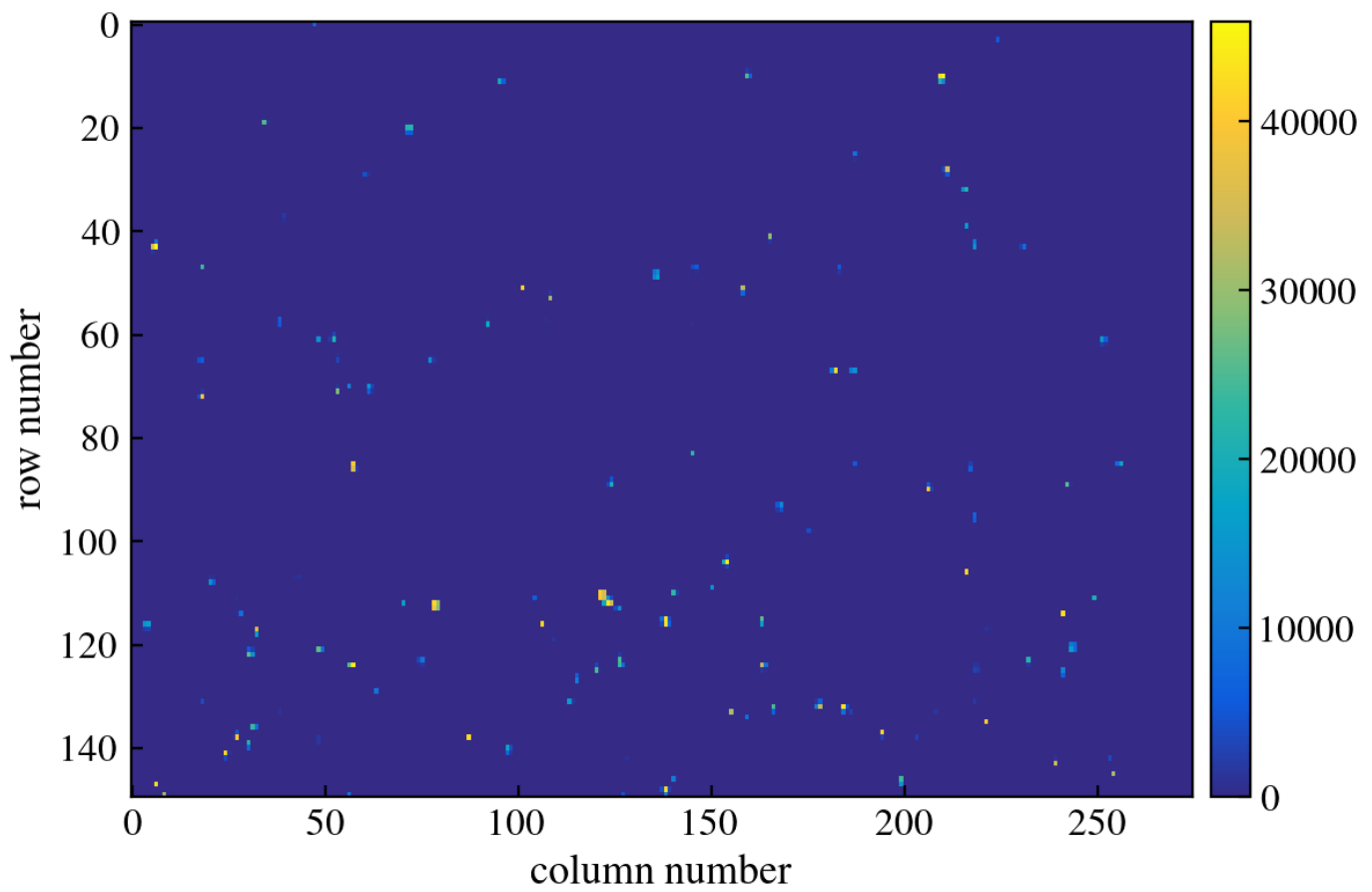


Figure 180: CCD Image

CCD Image: run 154, image 232  
[class MECCDImage]

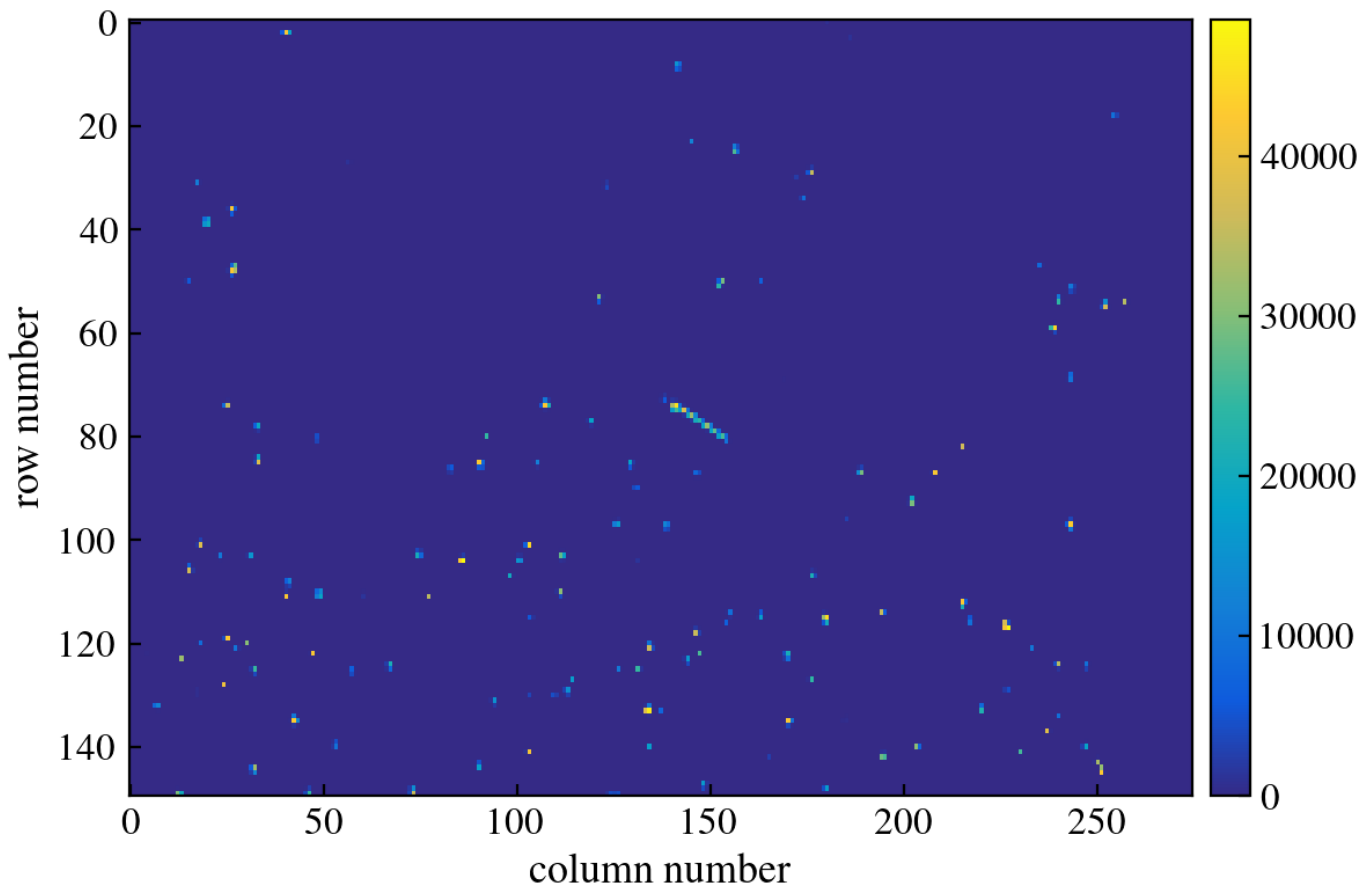


Figure 181: CCD Image

CCD Image: run 154, image 233  
[class MECCDImage]

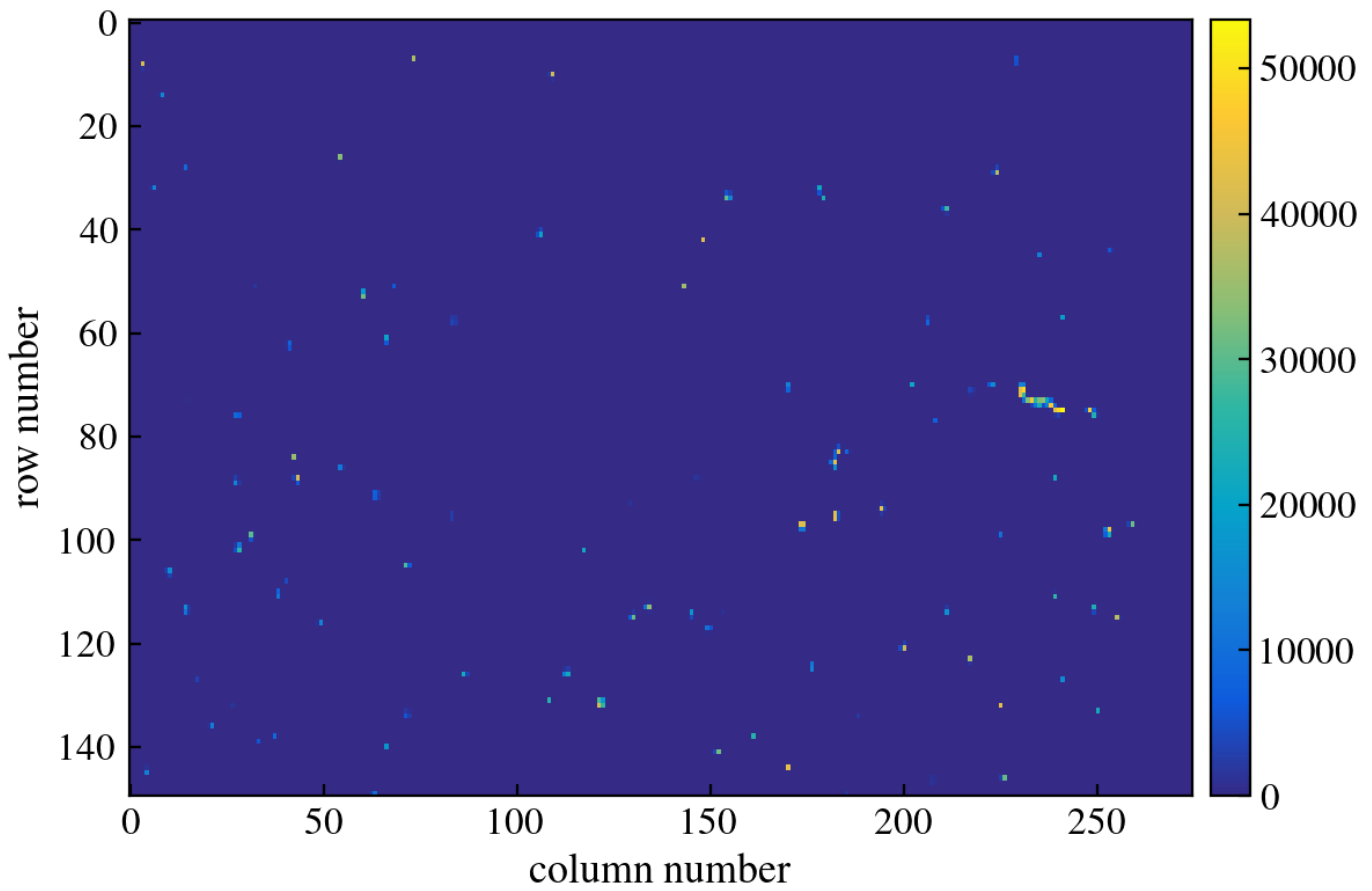


Figure 182: CCD Image

CCD Image: run 154, image 234  
[class MECCDImage]

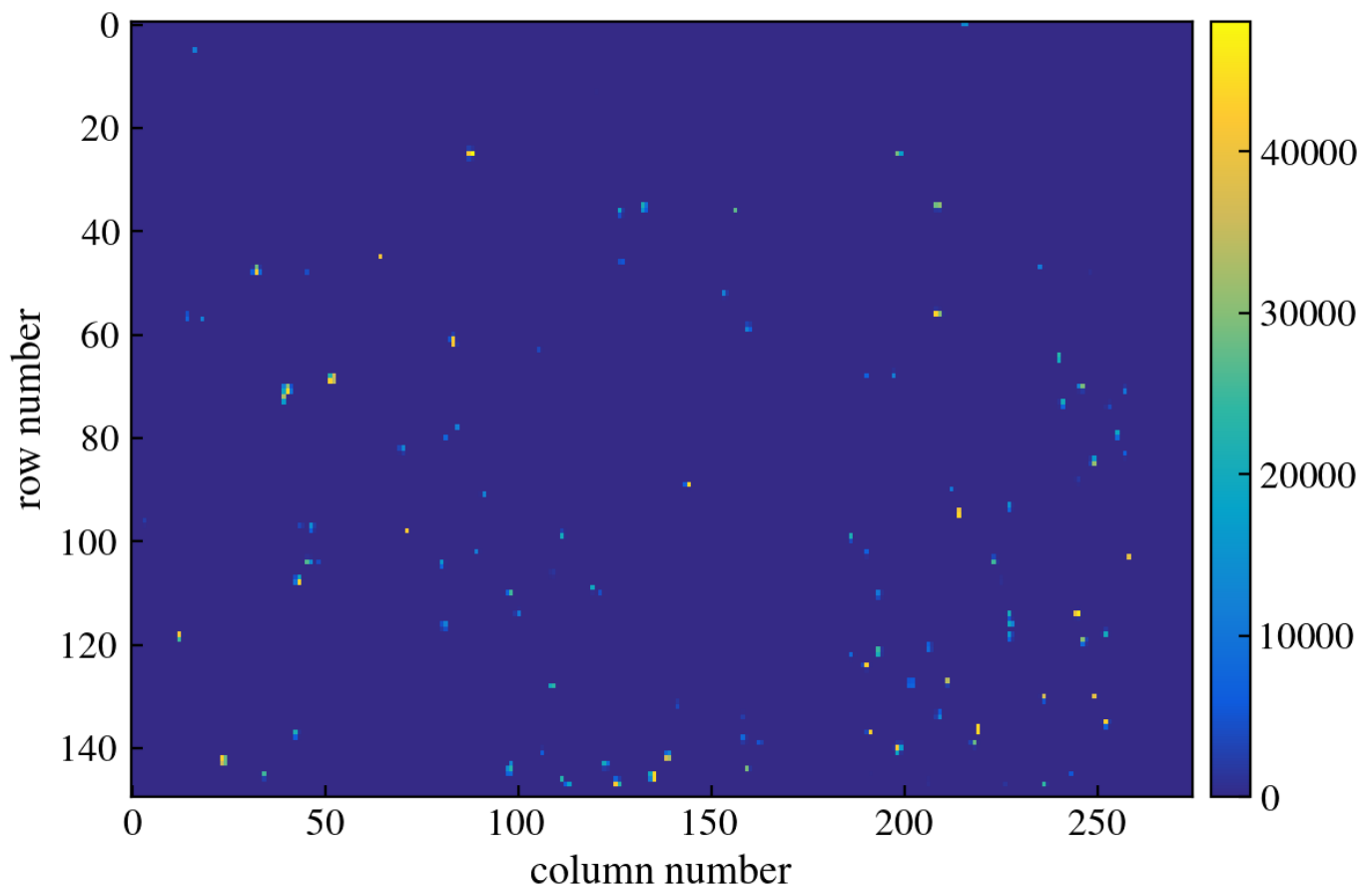


Figure 183: CCD Image

CCD Image: run 154, image 235  
[class MECCDImage]

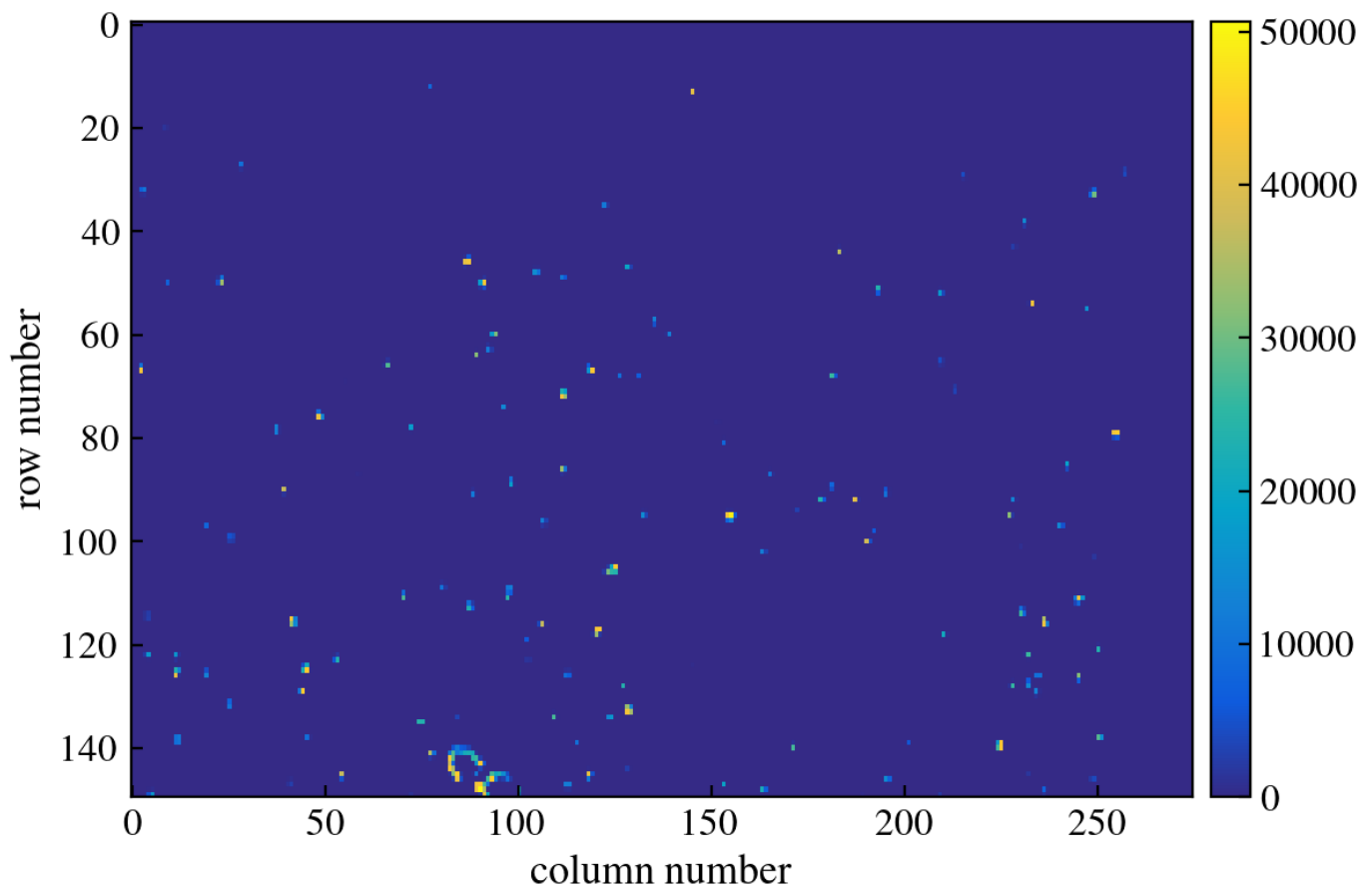


Figure 184: CCD Image

CCD Image: run 154, image 236  
[class MECCDImage]

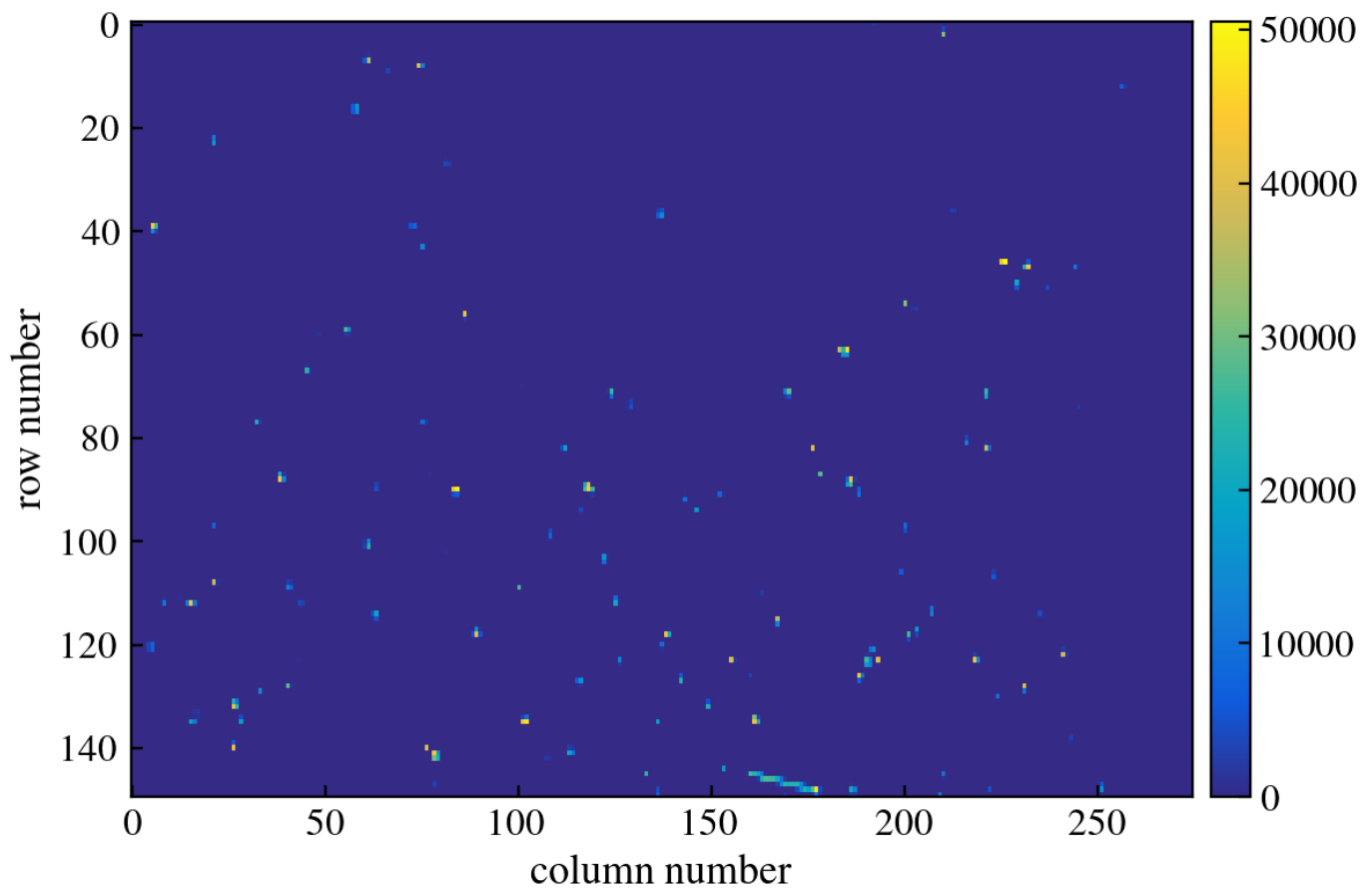


Figure 185: CCD Image

CCD Image: run 154, image 237  
[class MECCDImage]

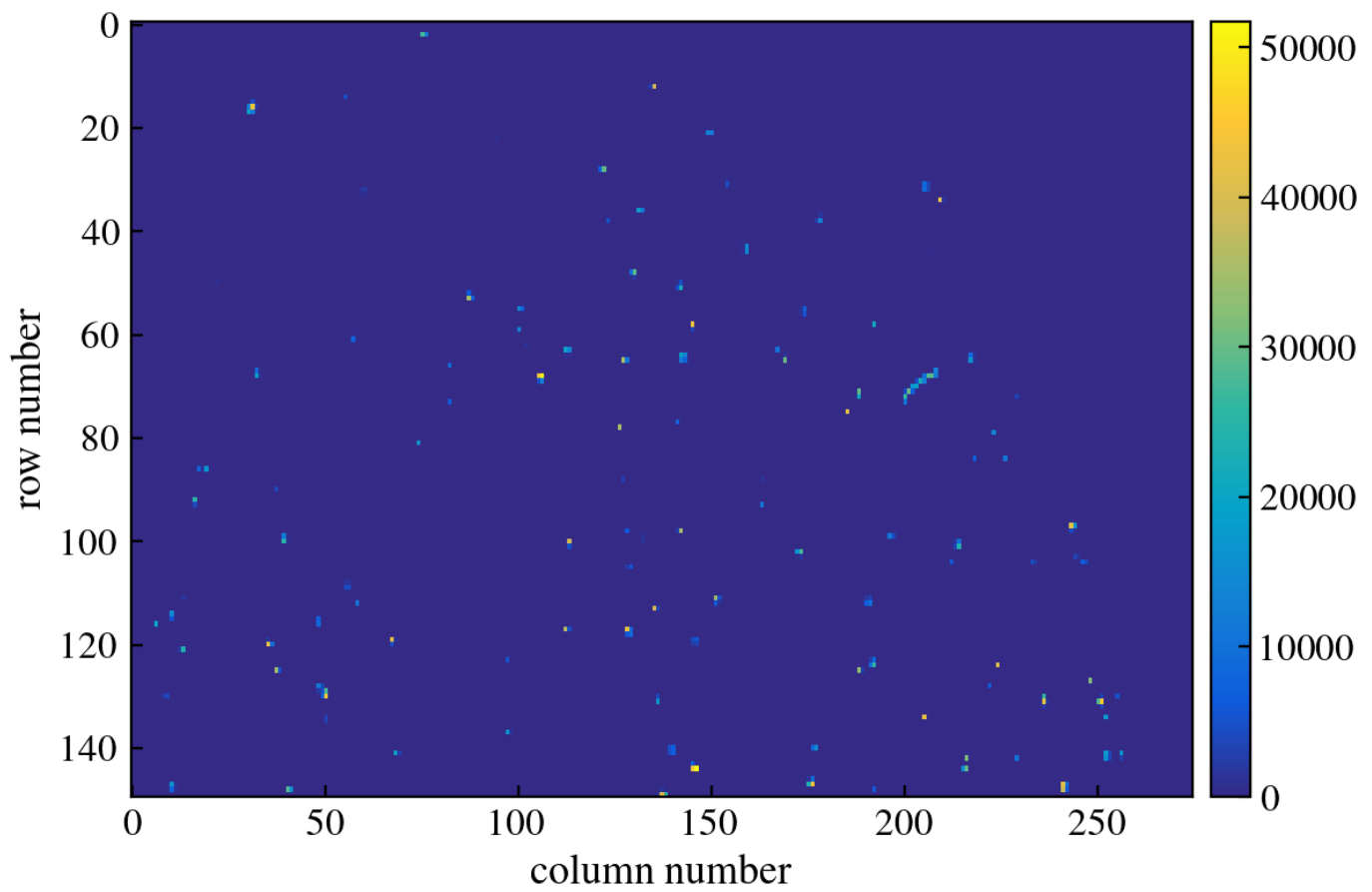


Figure 186: CCD Image

CCD Image: run 154, image 238  
[class MECCDImage]

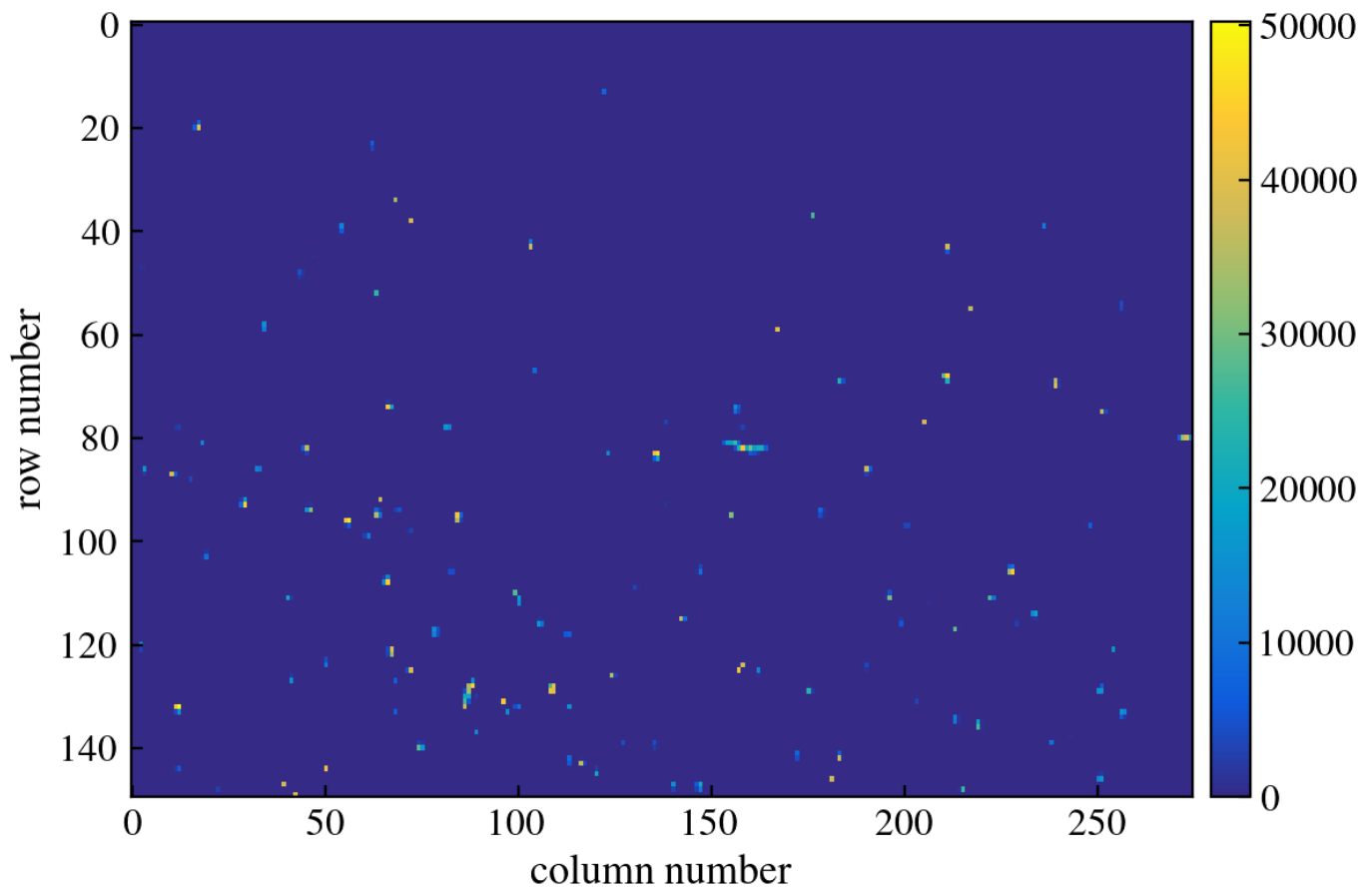


Figure 187: CCD Image



CCD Image: run 154, image 239  
[class MECCDImage]

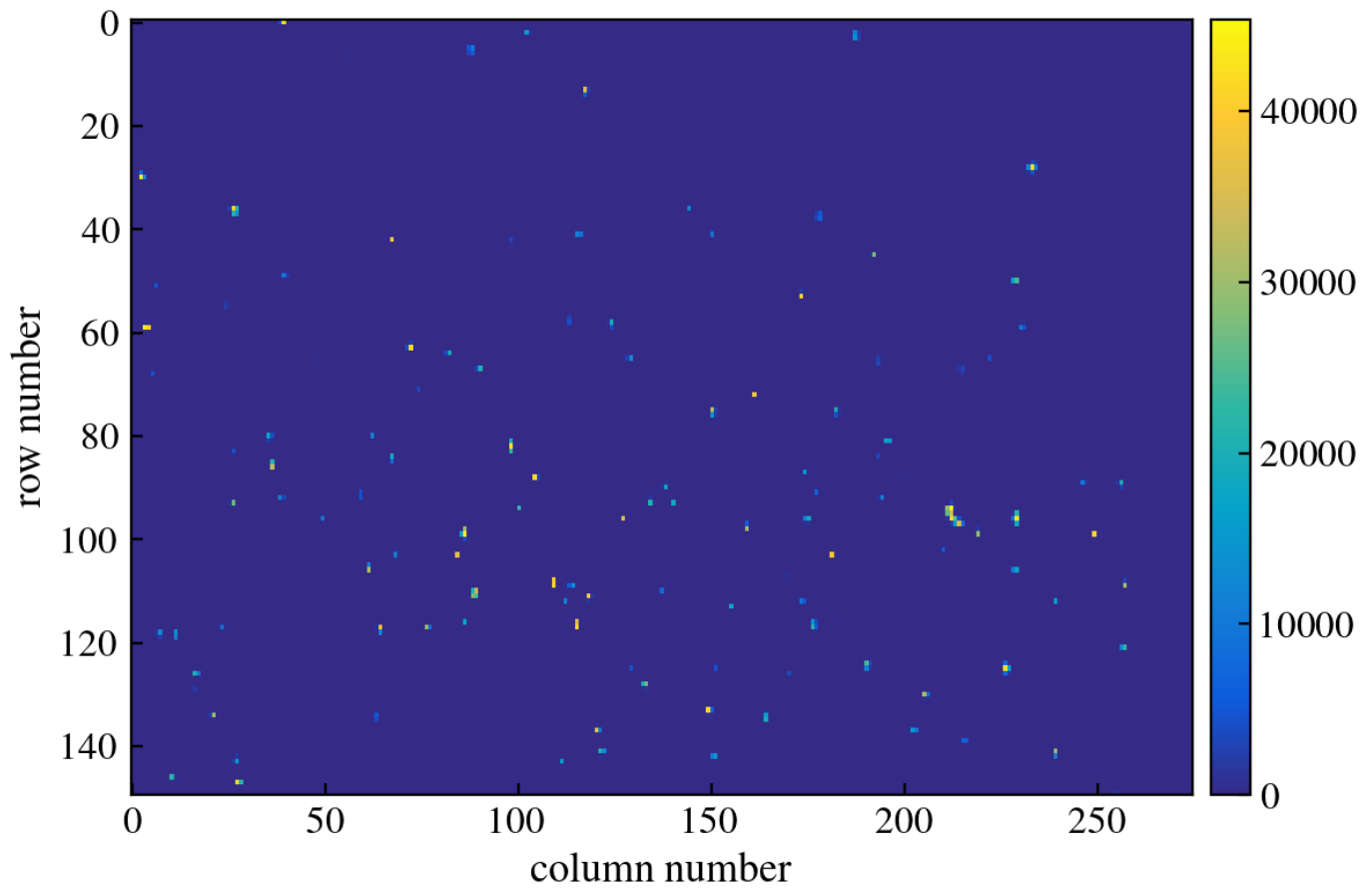


Figure 188: CCD Image

CCD Image: run 154, image 24  
[class MECCDImage]

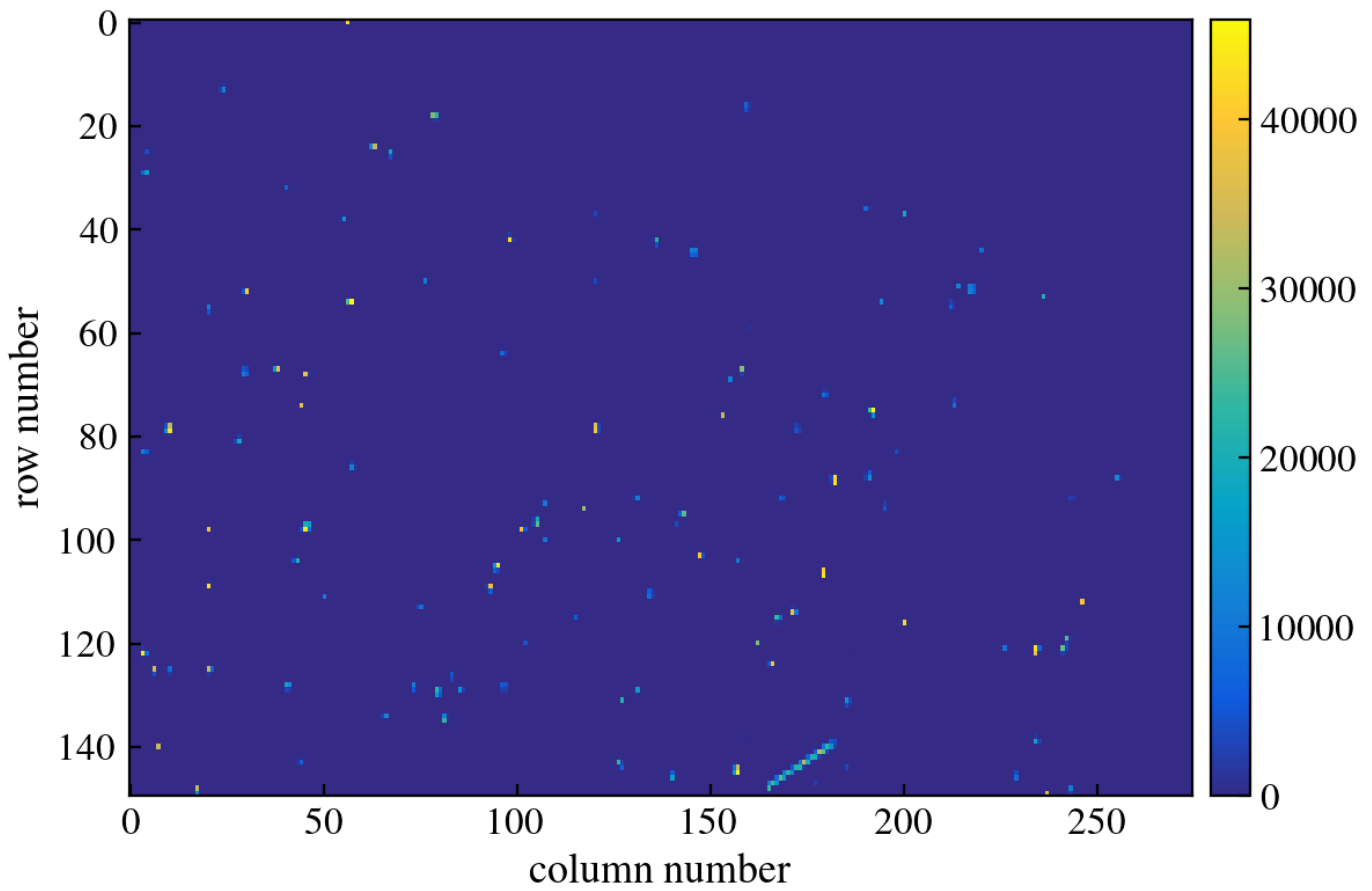


Figure 189: CCD Image

CCD Image: run 154, image 240  
[class MECCDImage]

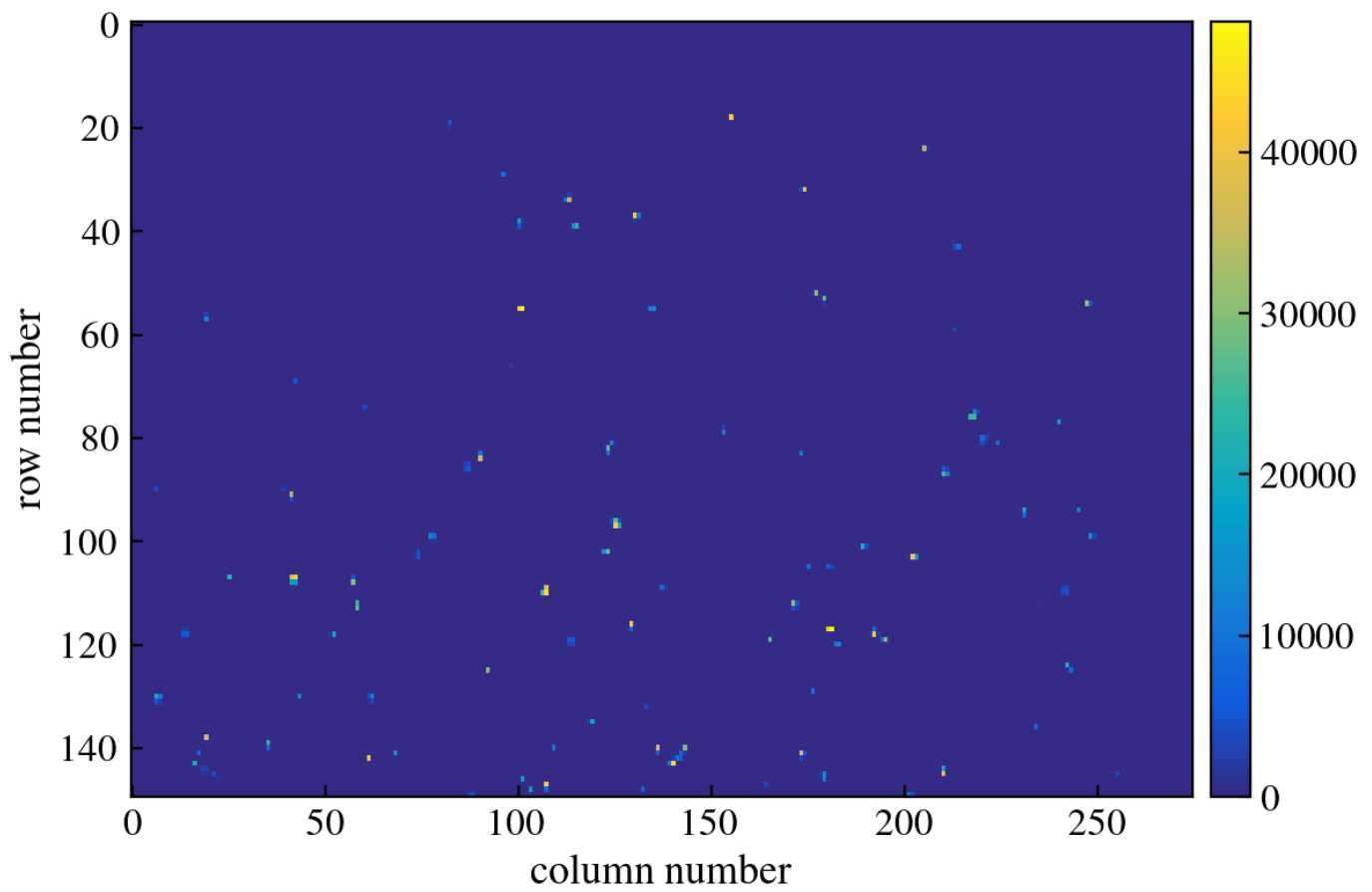


Figure 190: CCD Image

CCD Image: run 154, image 241  
[class MECCDImage]

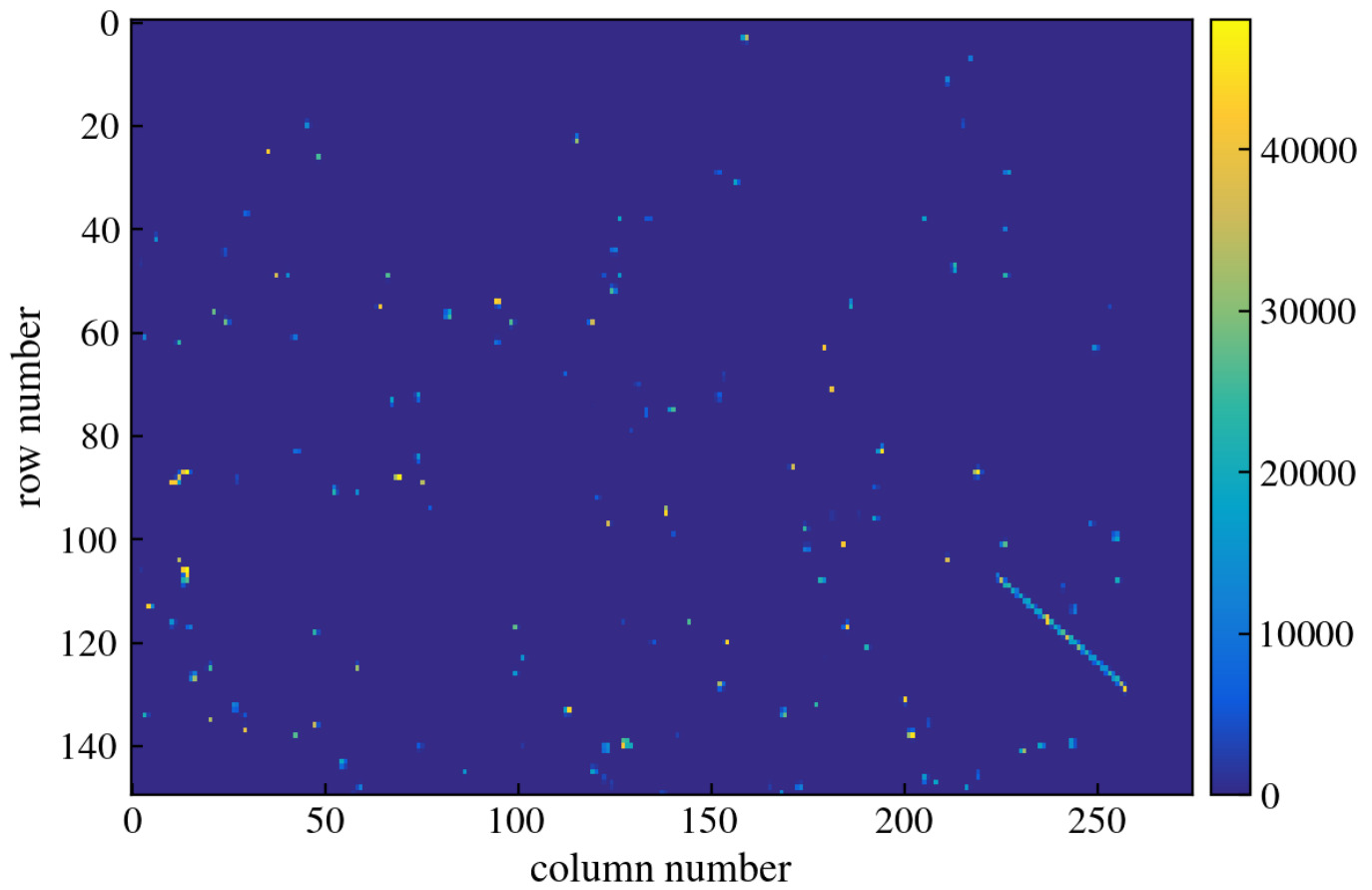


Figure 191: CCD Image

CCD Image: run 154, image 242  
[class MECCDImage]

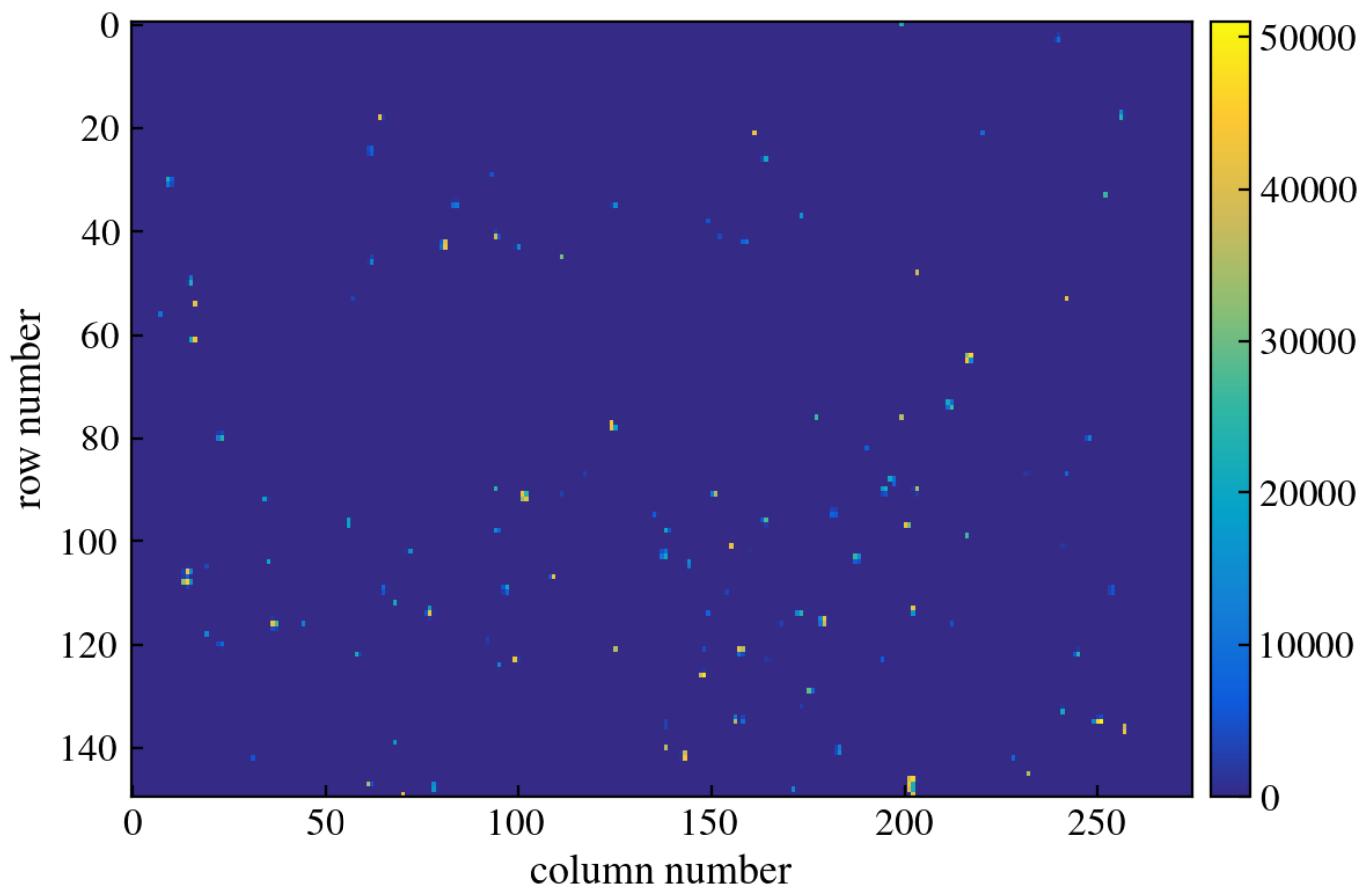


Figure 192: CCD Image

CCD Image: run 154, image 243  
[class MECCDImage]

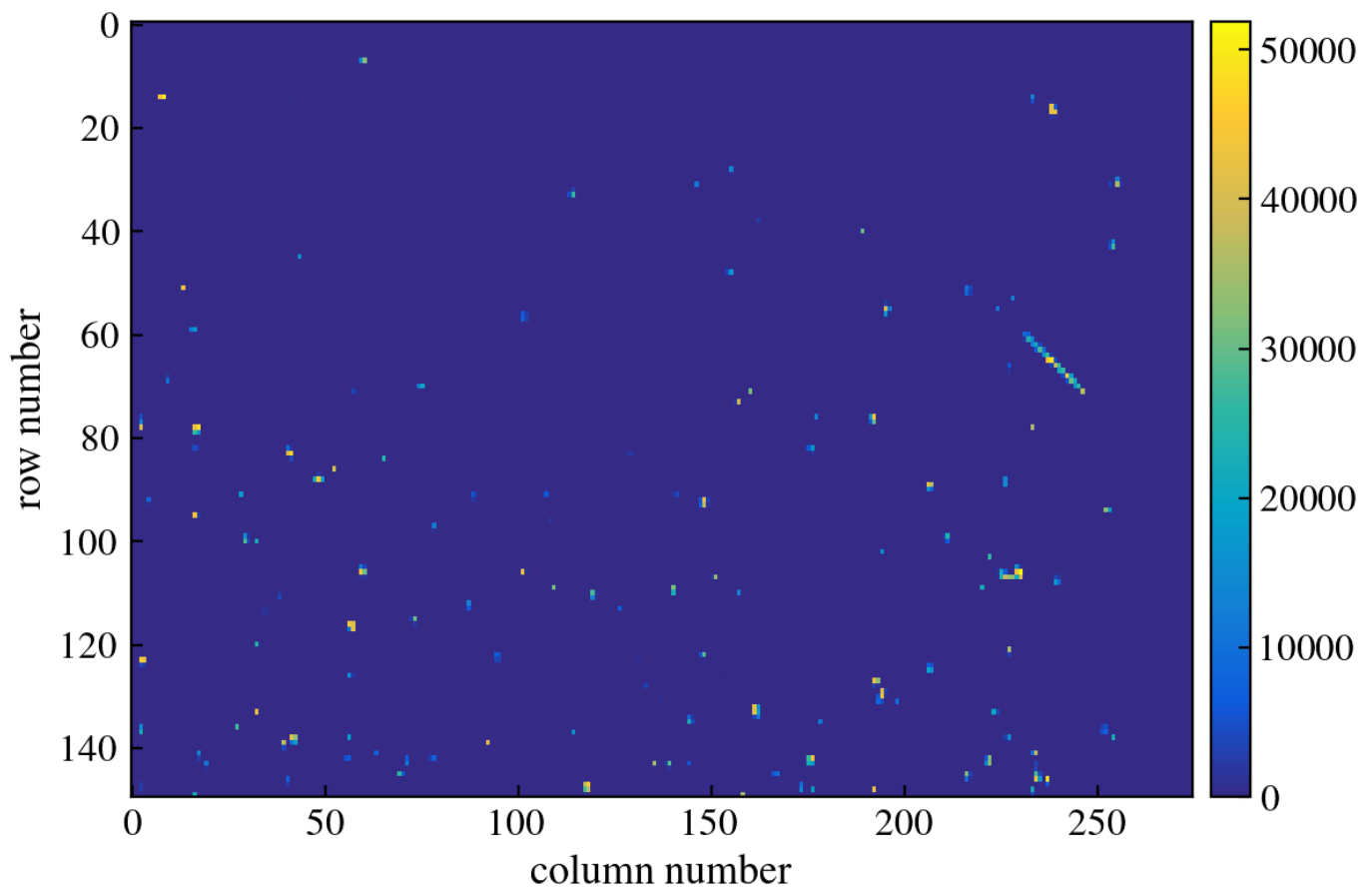


Figure 193: CCD Image

CCD Image: run 154, image 244  
[class MECCDImage]

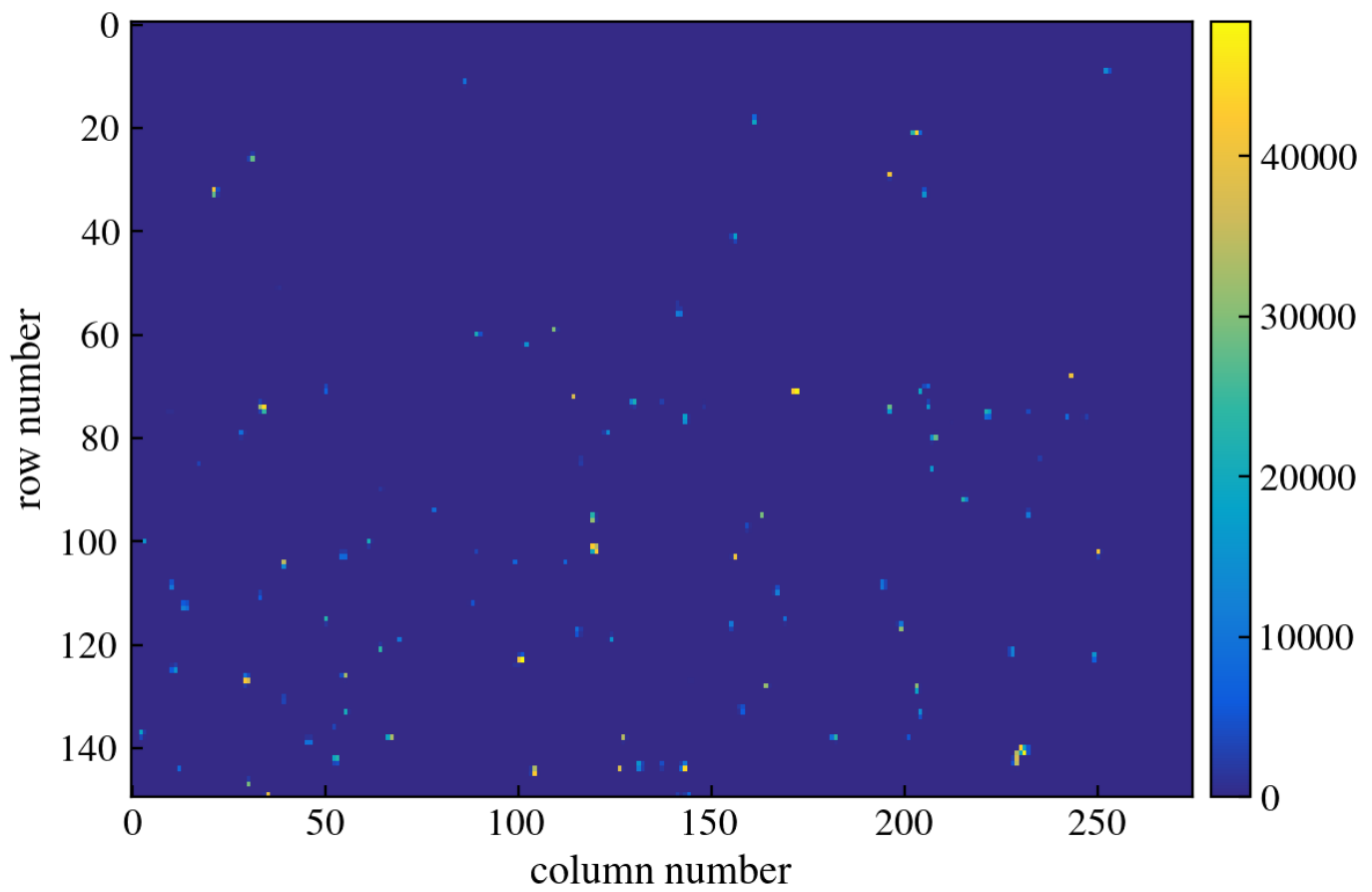


Figure 194: CCD Image

CCD Image: run 154, image 245  
[class MECCDImage]

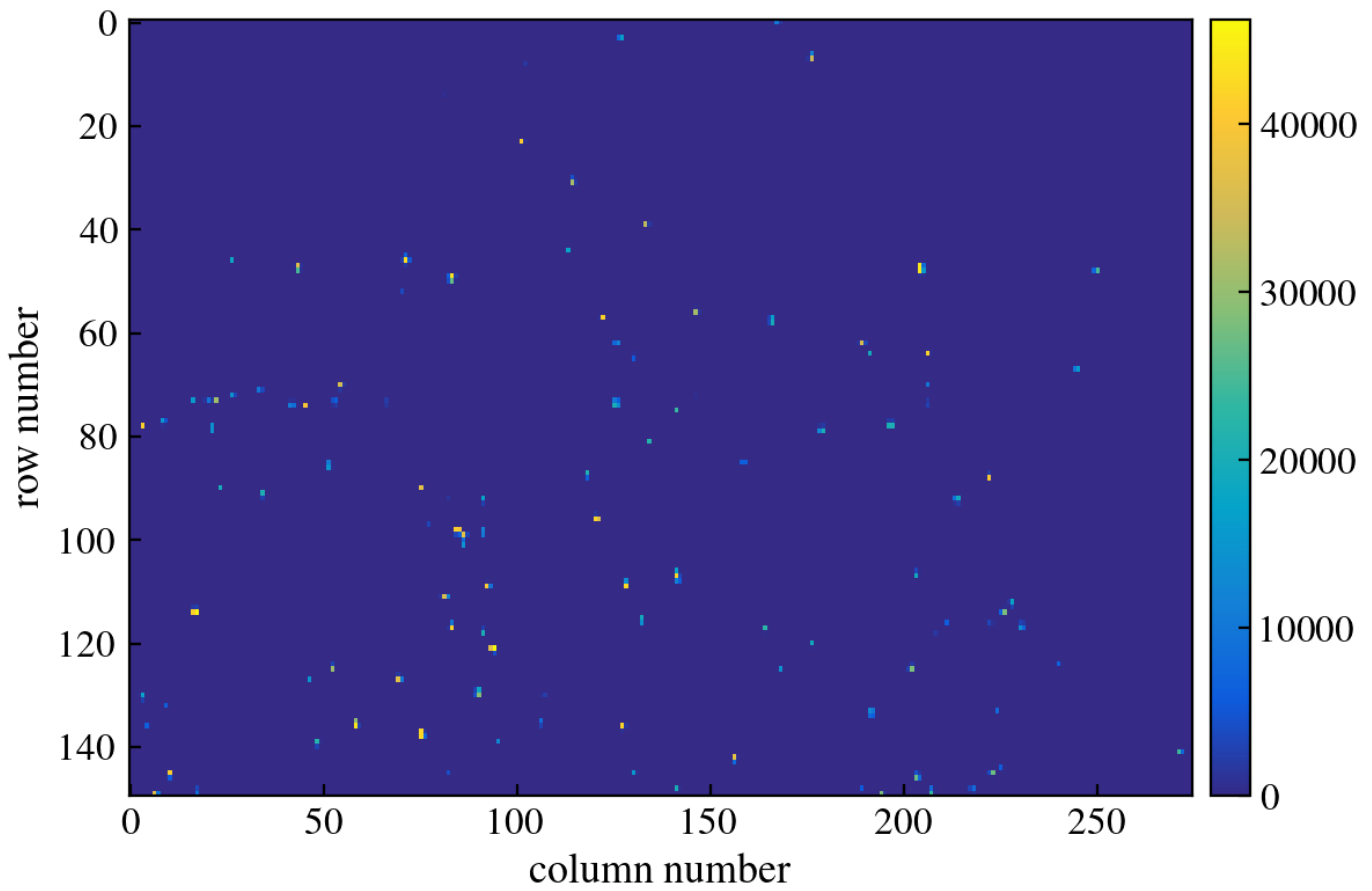


Figure 195: CCD Image



CCD Image: run 154, image 246  
[class MECCDImage]

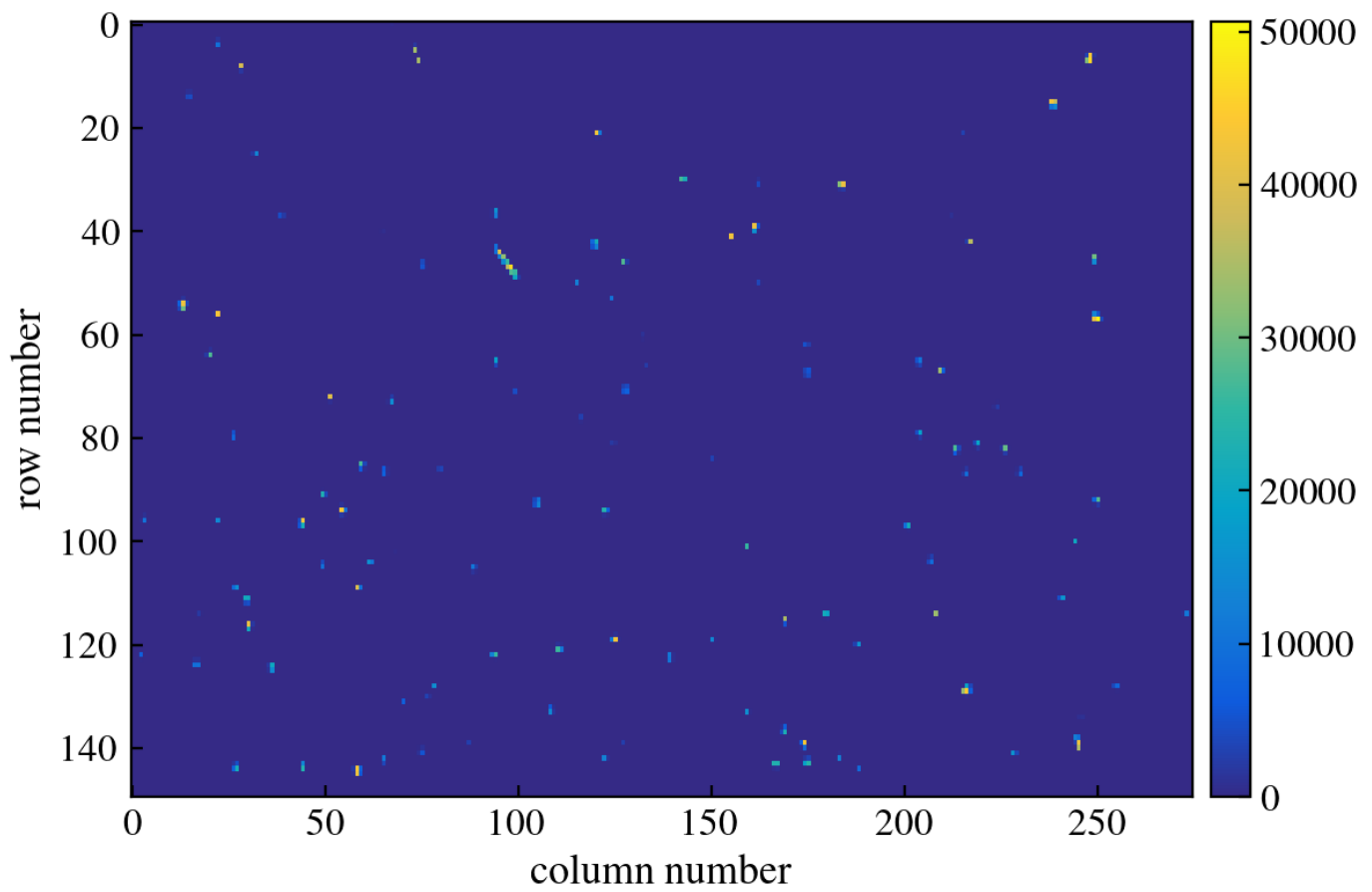


Figure 196: CCD Image

CCD Image: run 154, image 247  
[class MECCDImage]

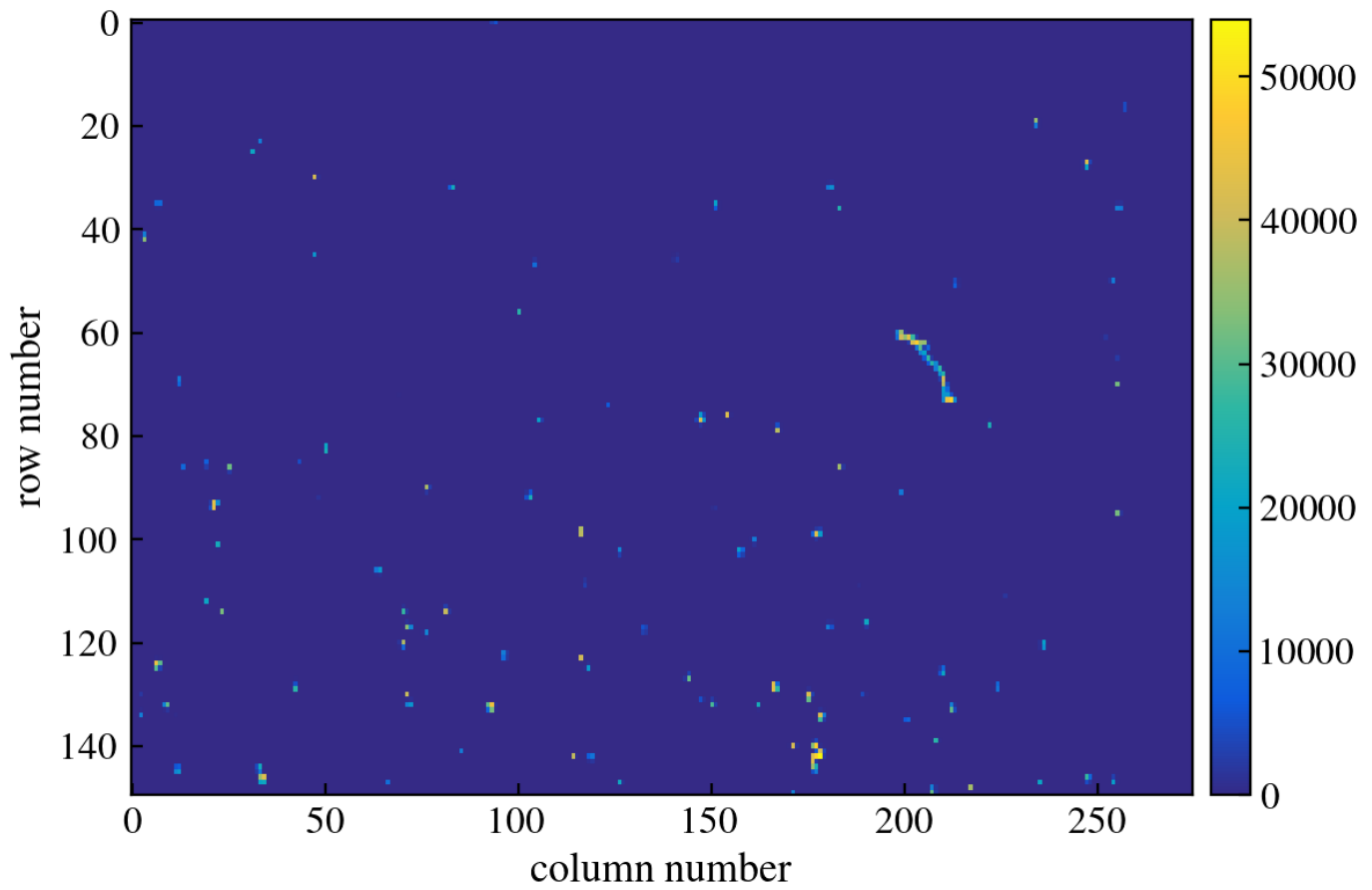


Figure 197: CCD Image

CCD Image: run 154, image 248  
[class MECCDImage]

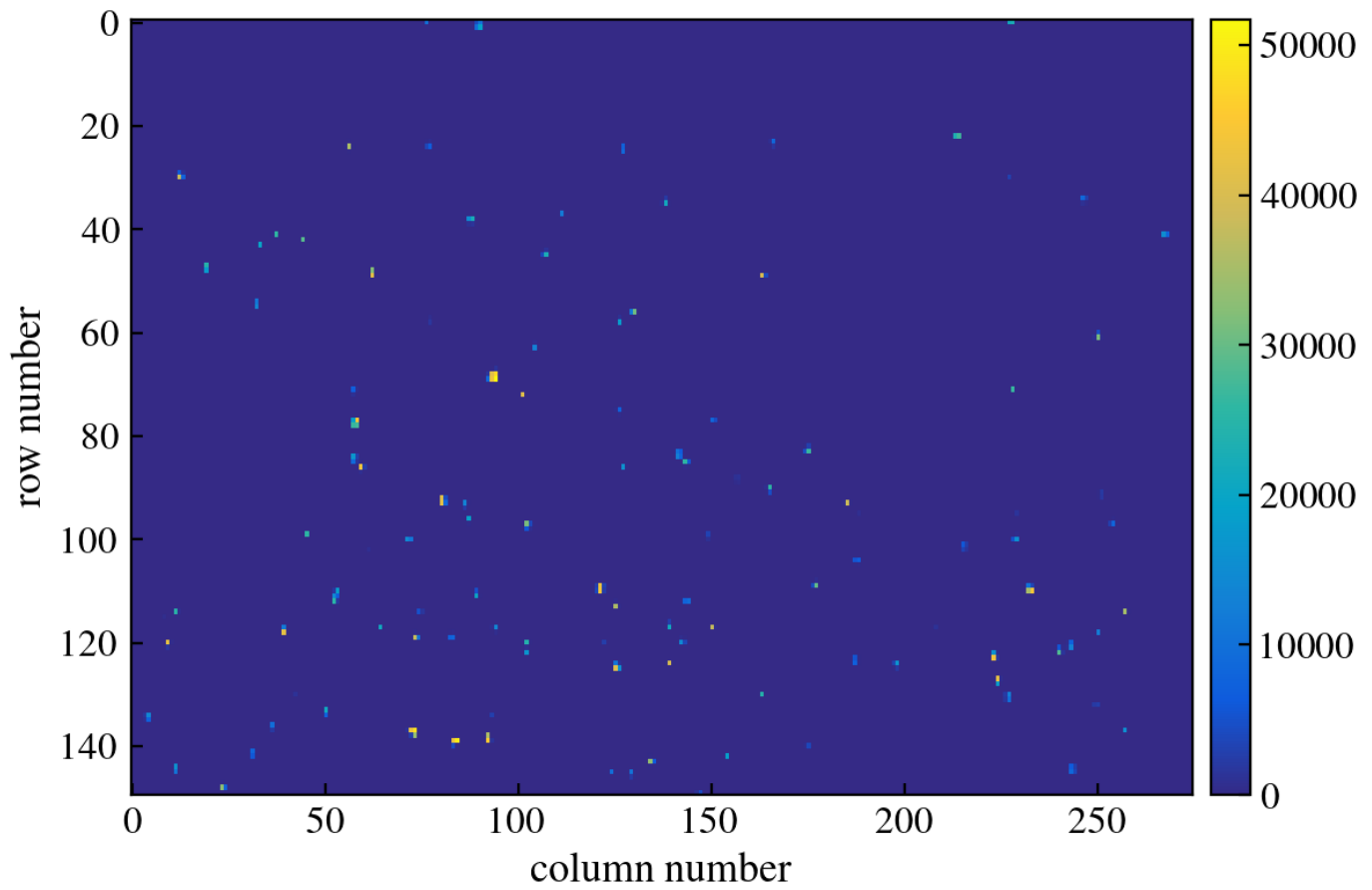


Figure 198: CCD Image

CCD Image: run 154, image 249  
[class MECCDImage]

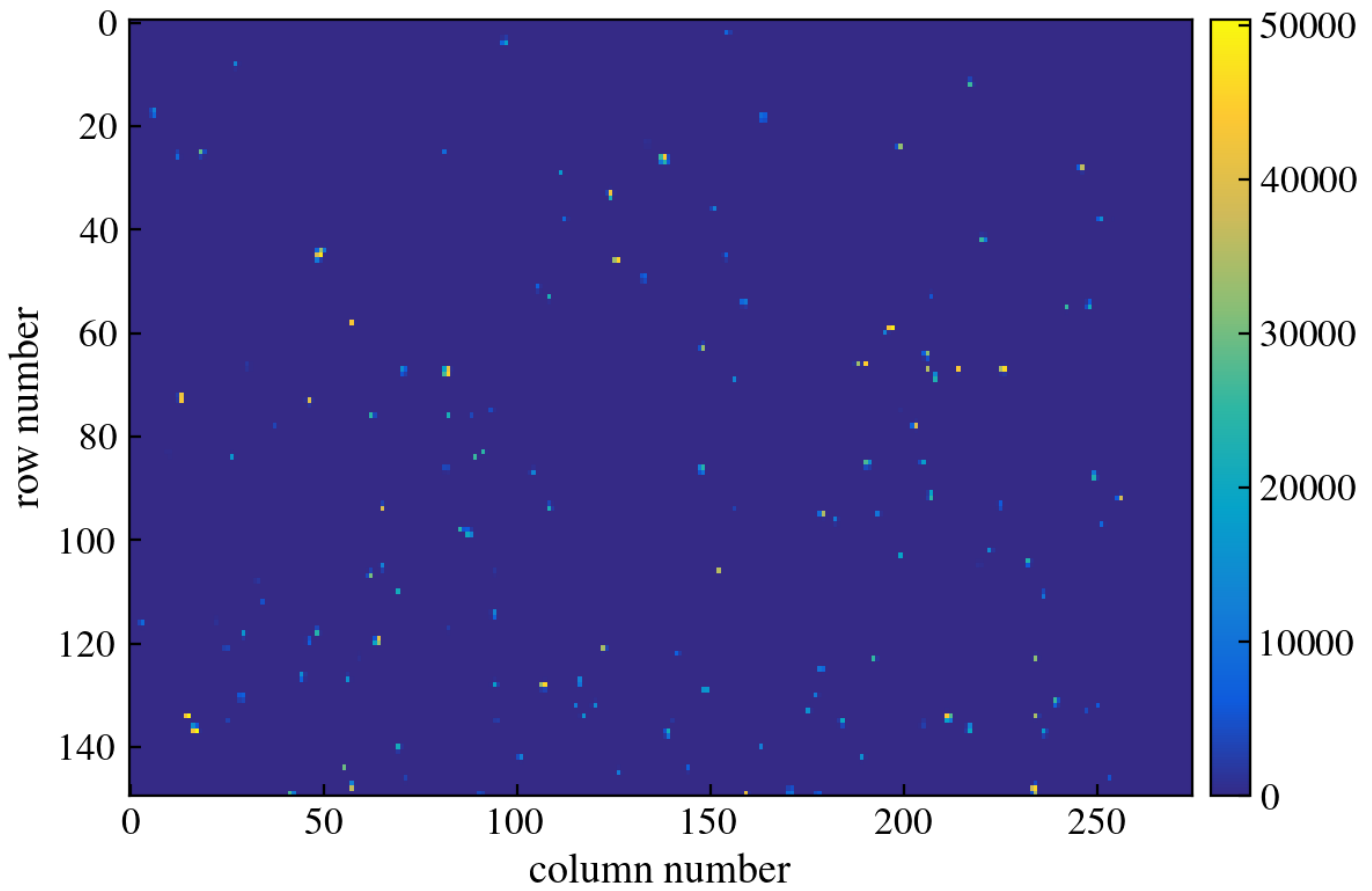


Figure 199: CCD Image

CCD Image: run 154, image 25  
[class MECCDImage]

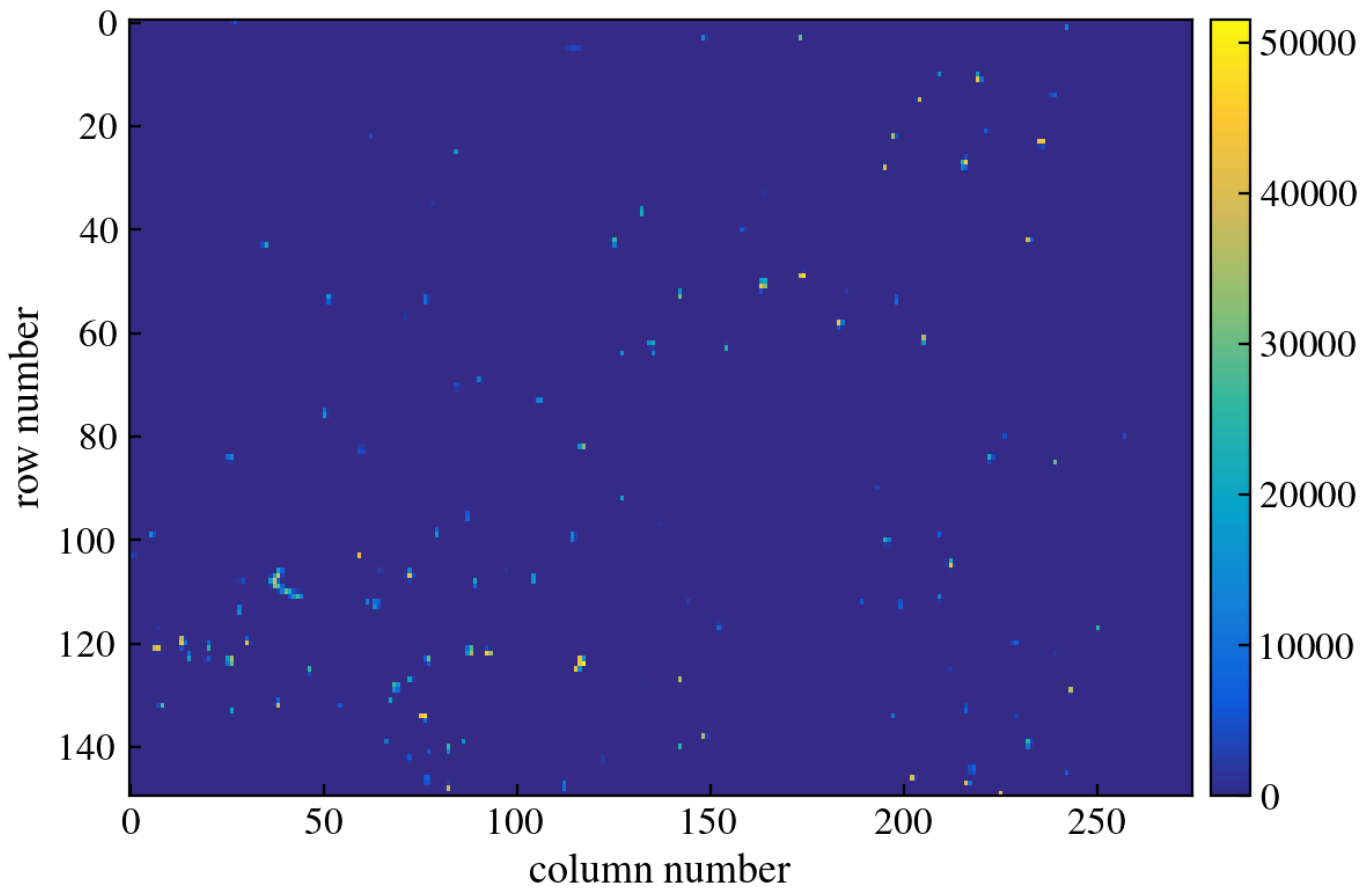


Figure 200: CCD Image

CCD Image: run 154, image 250  
[class MECCDImage]

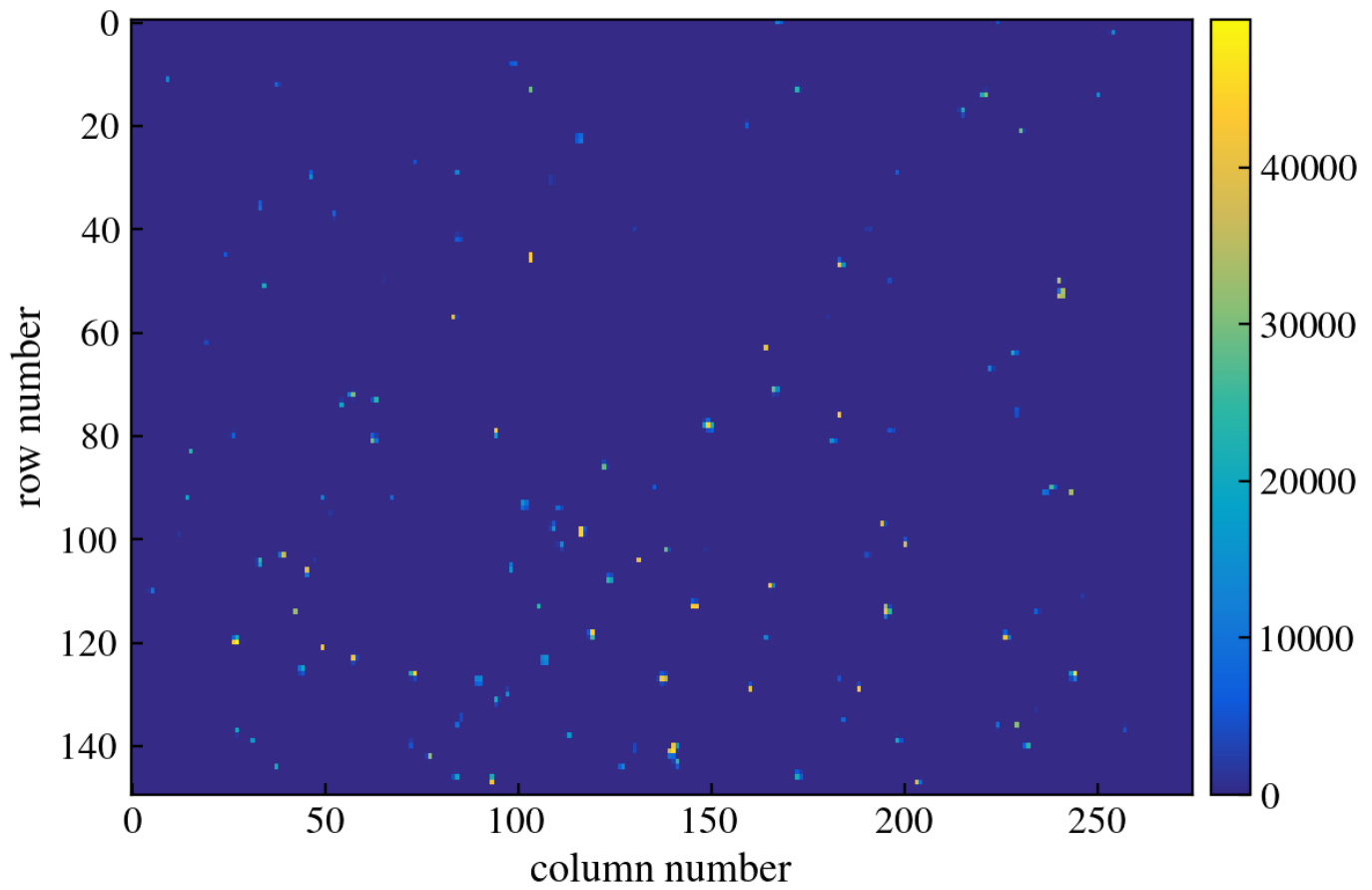


Figure 201: CCD Image

CCD Image: run 154, image 251  
[class MECCDImage]

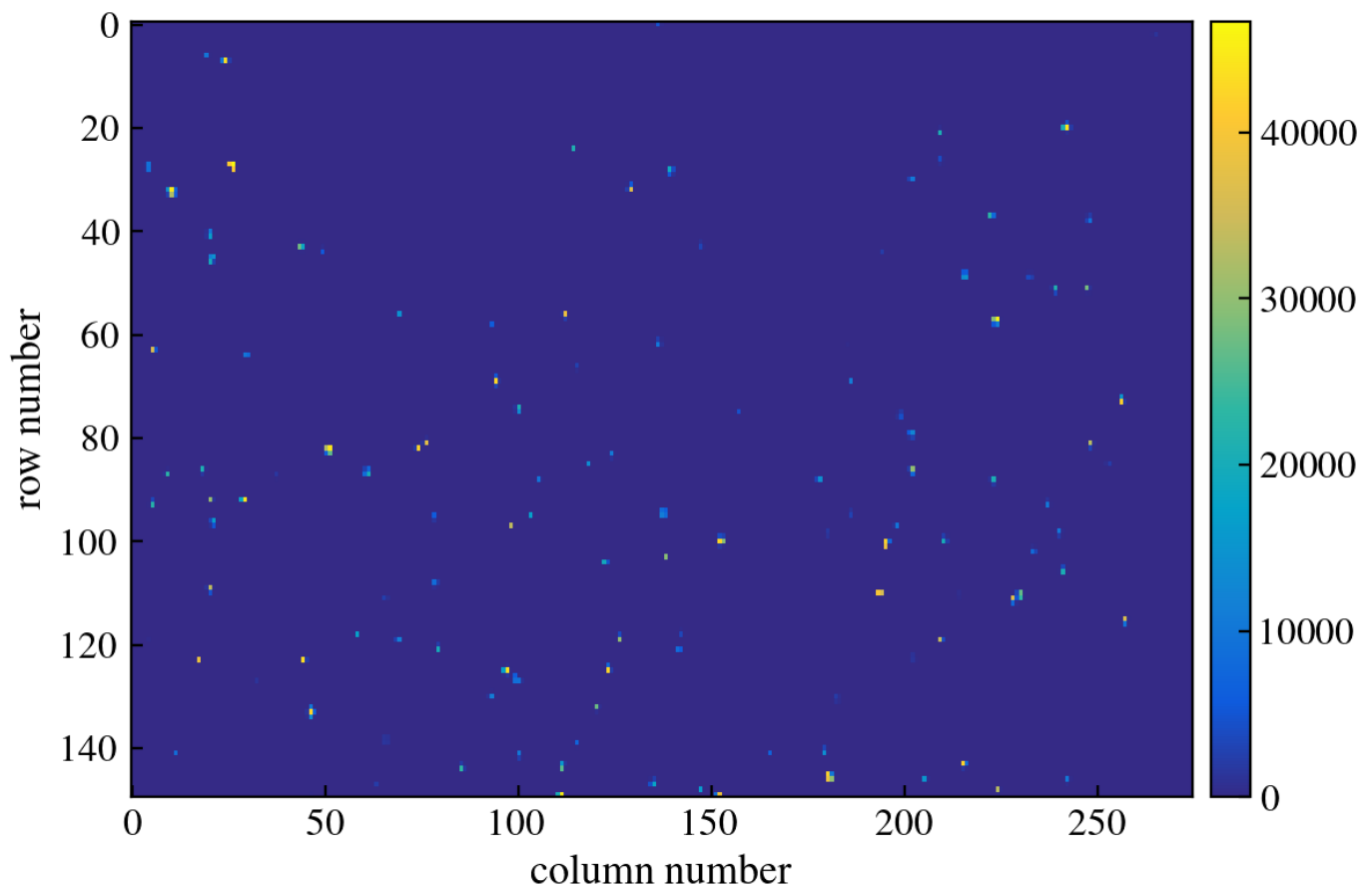


Figure 202: CCD Image

CCD Image: run 154, image 252  
[class MECCDImage]

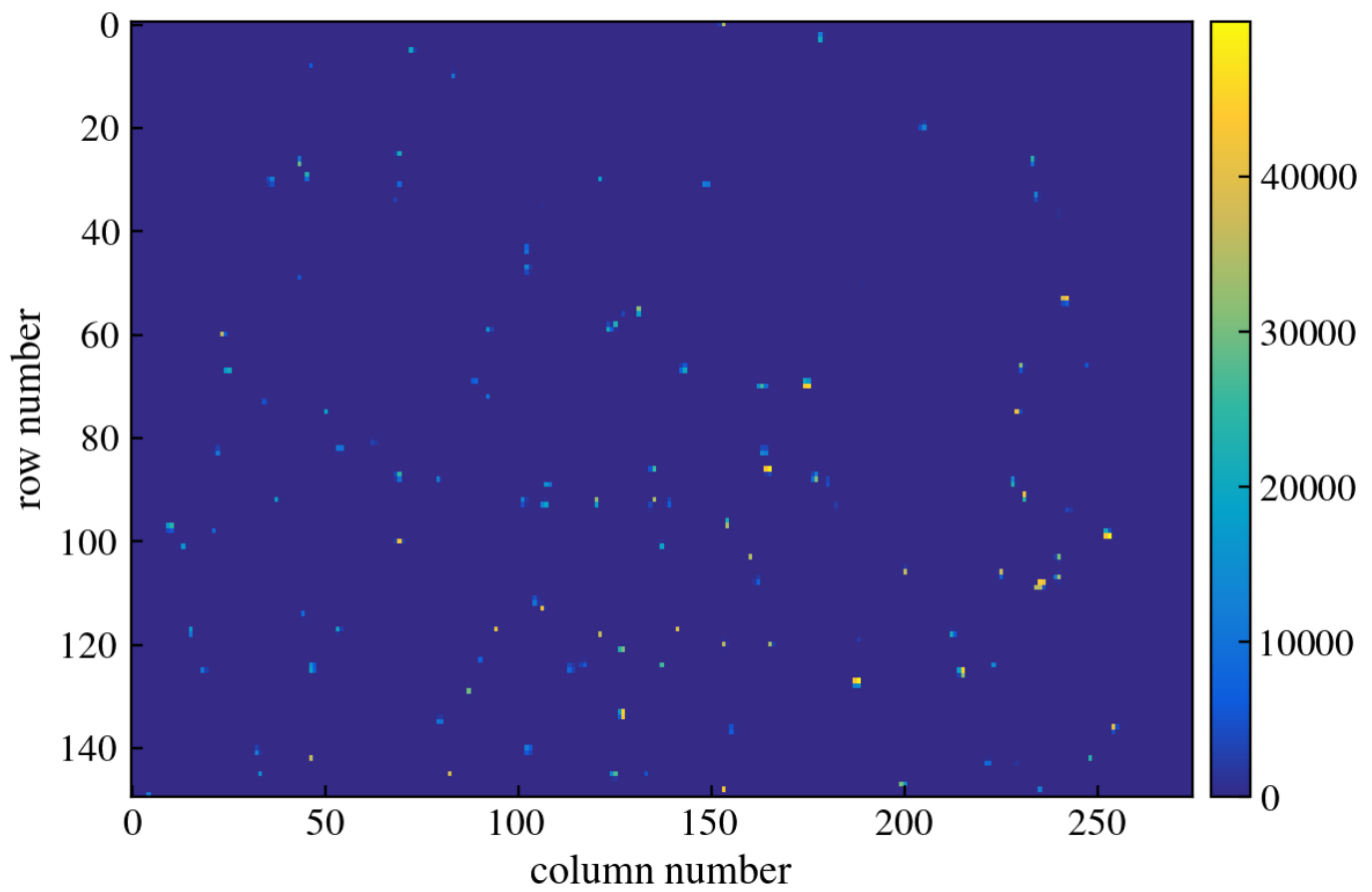


Figure 203: CCD Image



CCD Image: run 154, image 253  
[class MECCDImage]

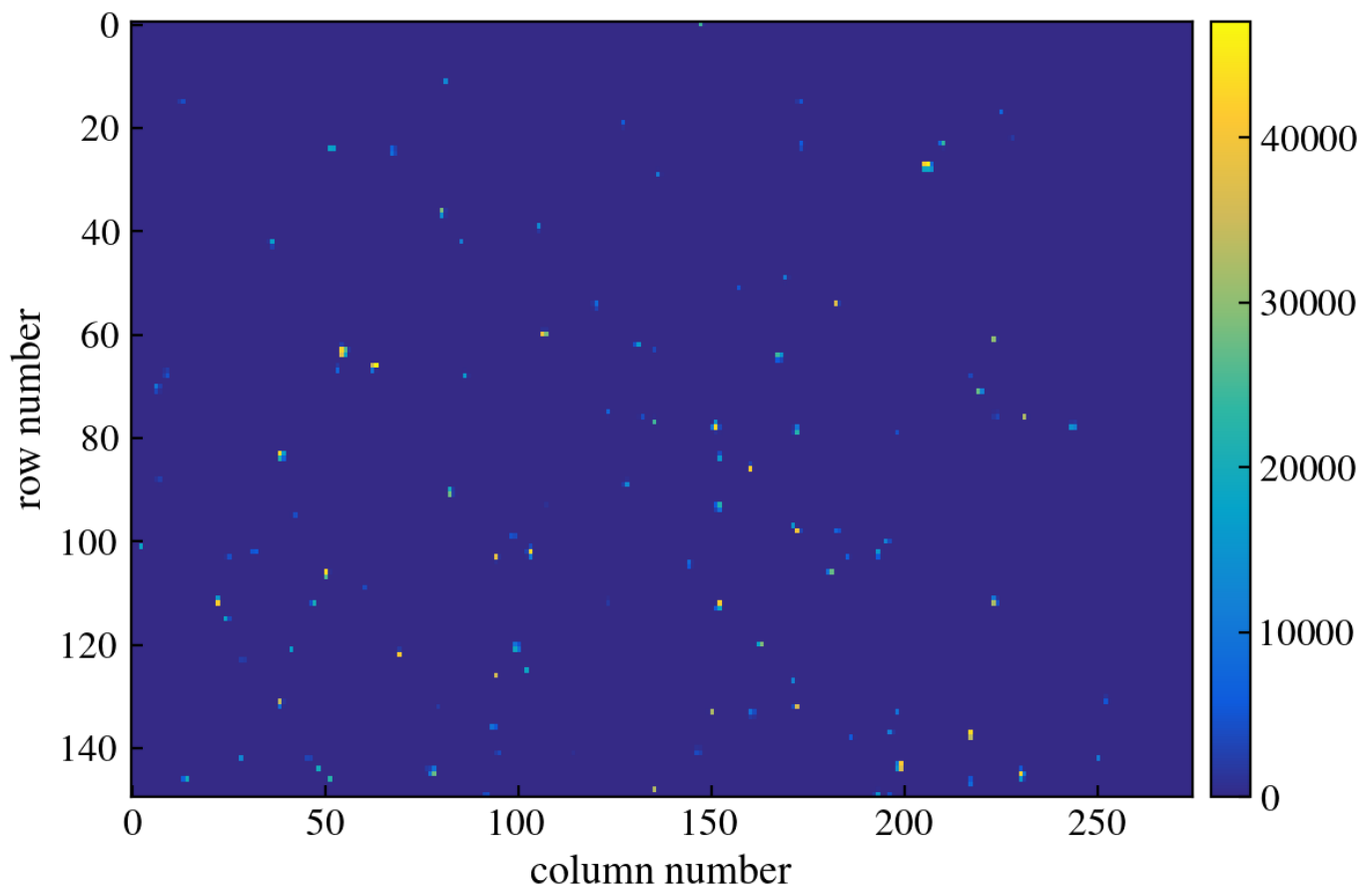


Figure 204: CCD Image

CCD Image: run 154, image 254  
[class MECCDImage]

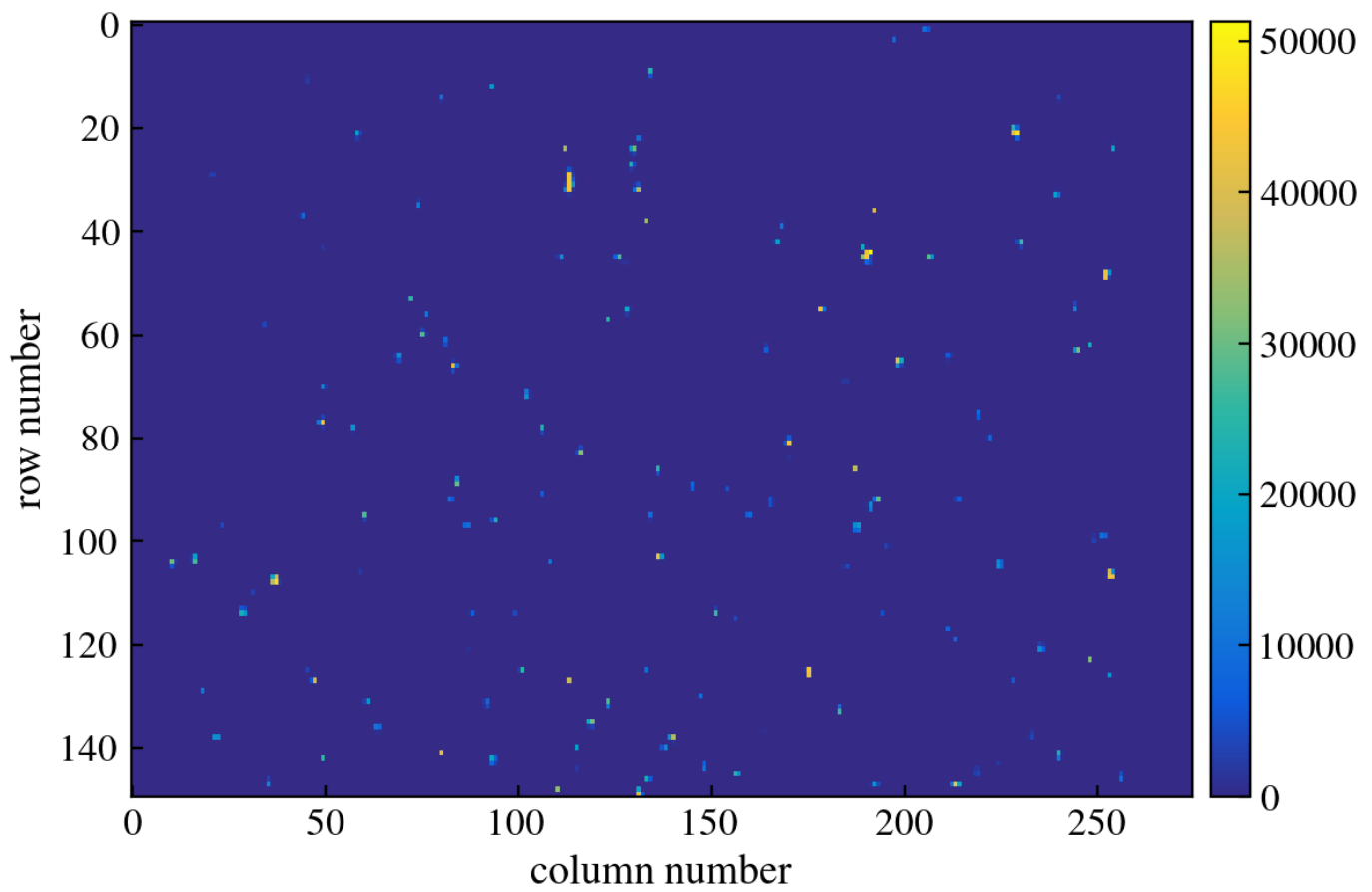


Figure 205: CCD Image

CCD Image: run 154, image 255  
[class MECCDImage]

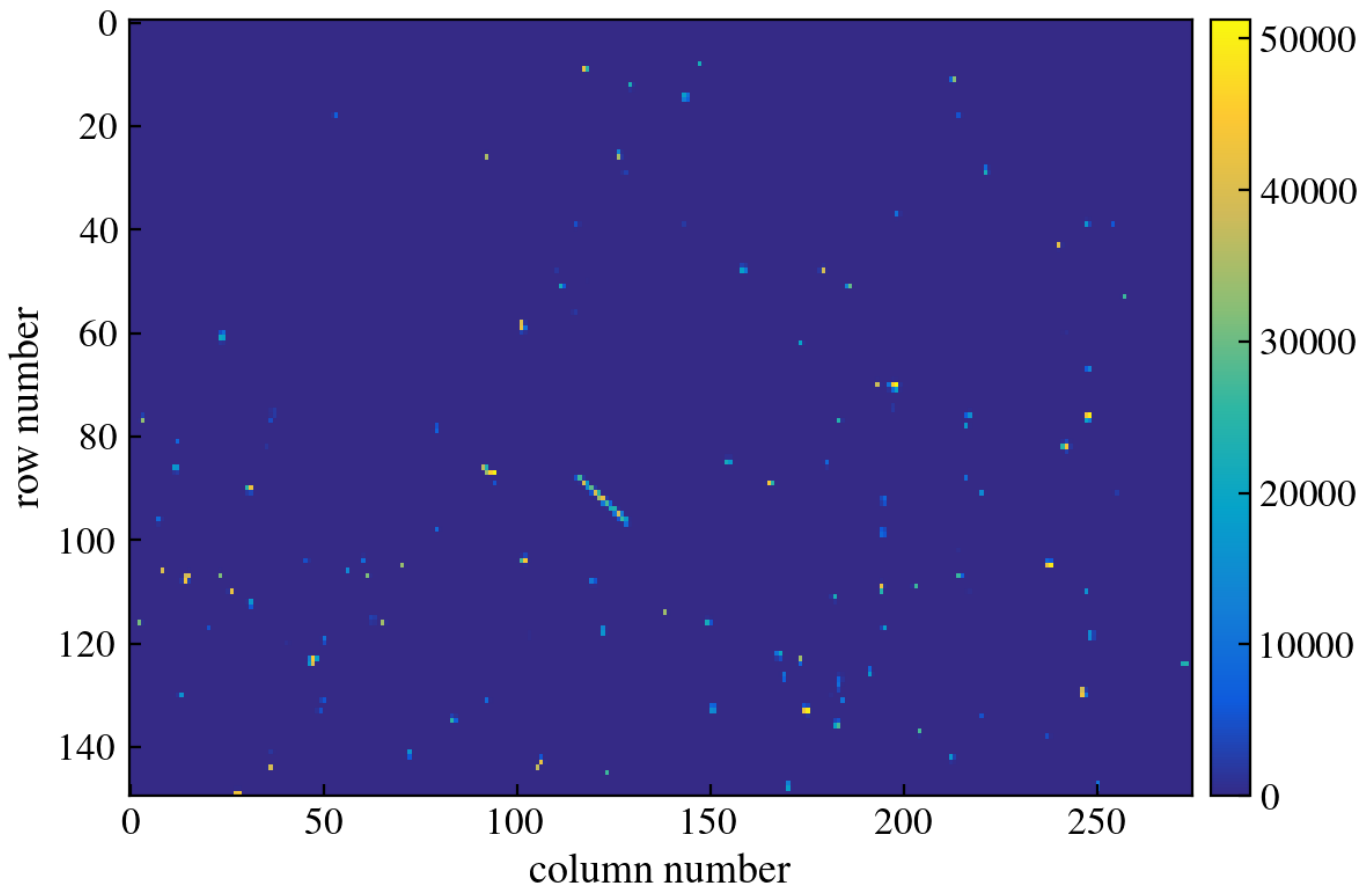


Figure 206: CCD Image

CCD Image: run 154, image 256  
[class MECCDImage]

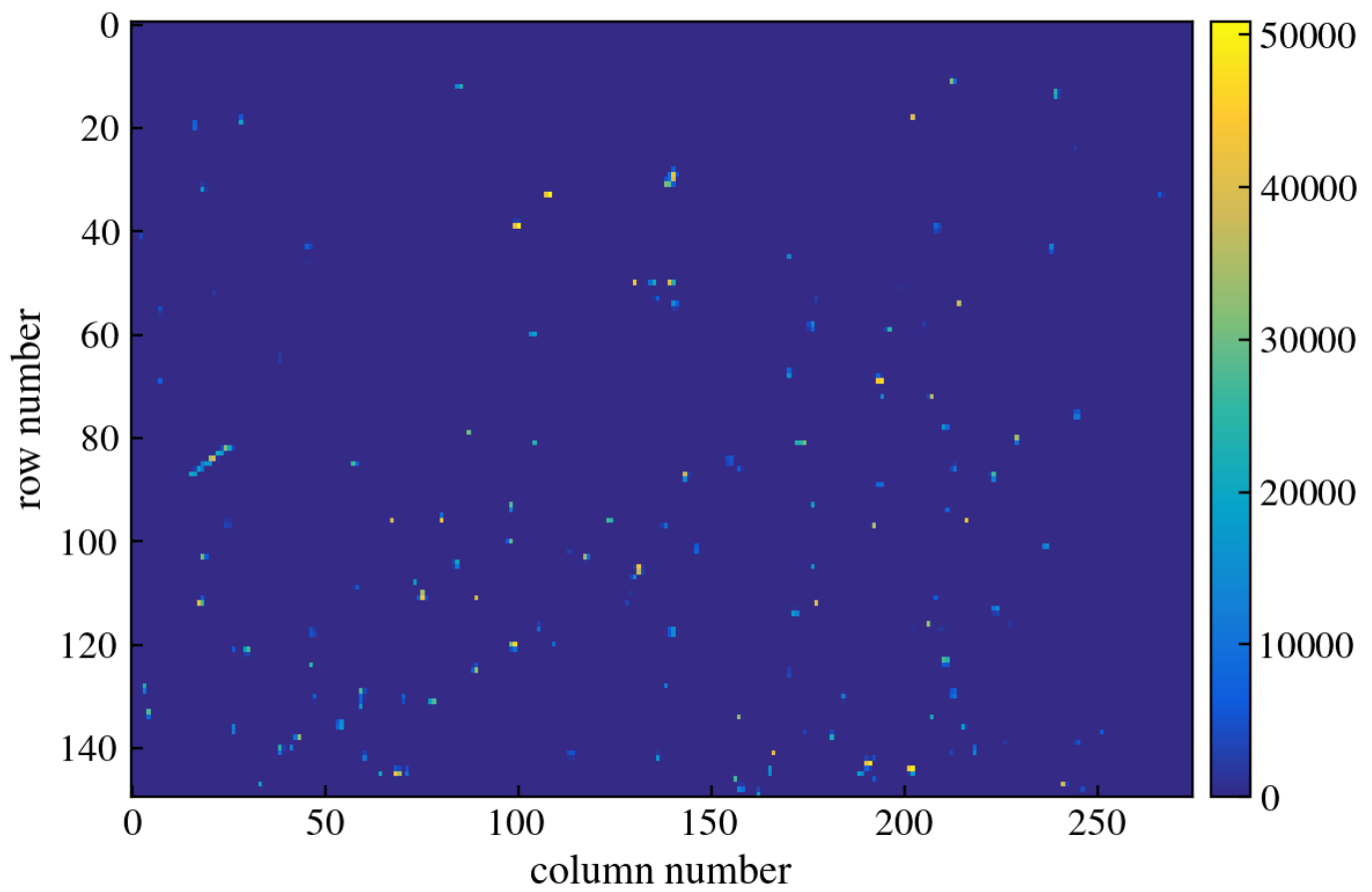


Figure 207: CCD Image

CCD Image: run 154, image 257  
[class MECCDImage]

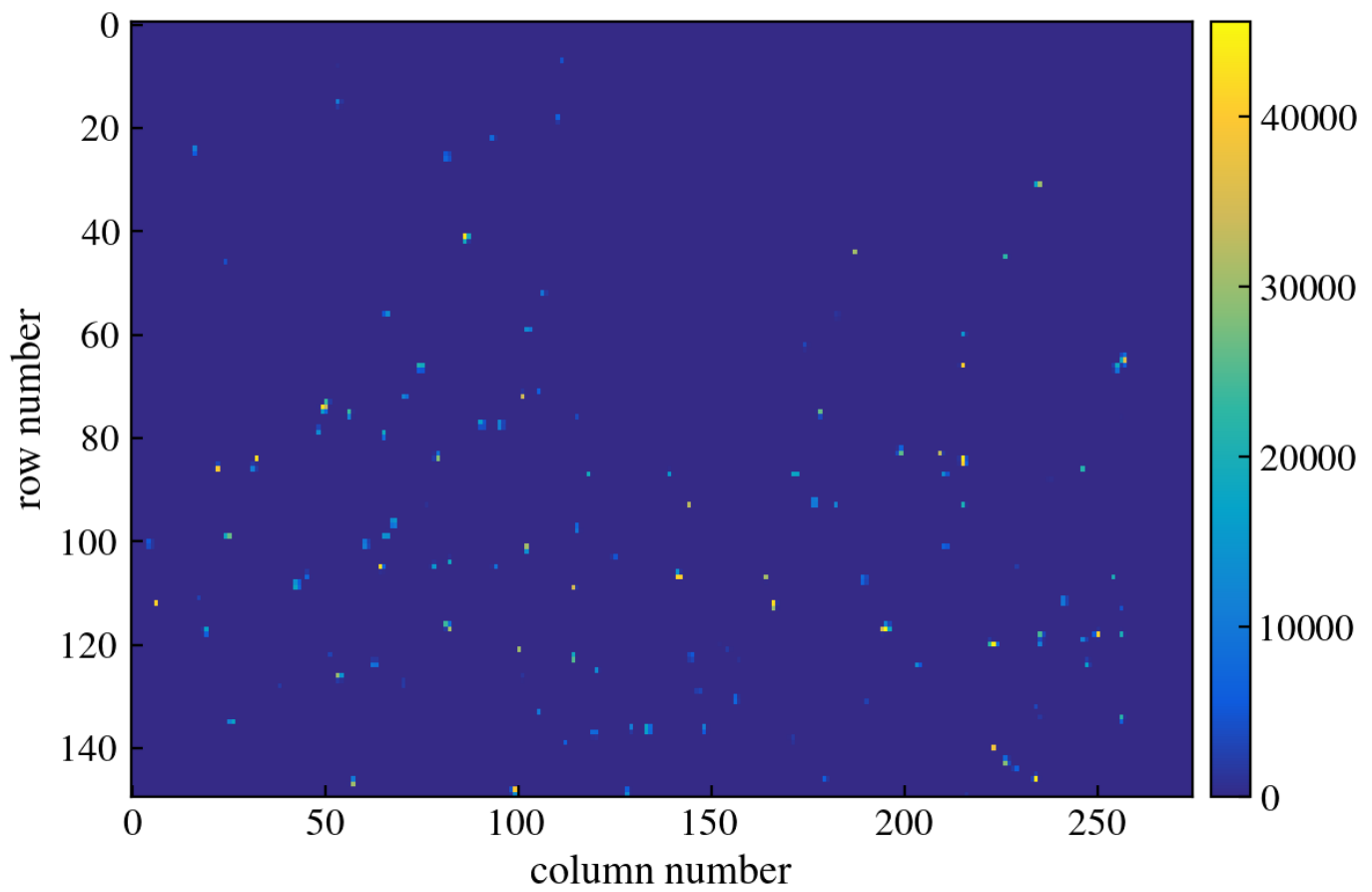


Figure 208: CCD Image

CCD Image: run 154, image 258  
[class MECCDImage]

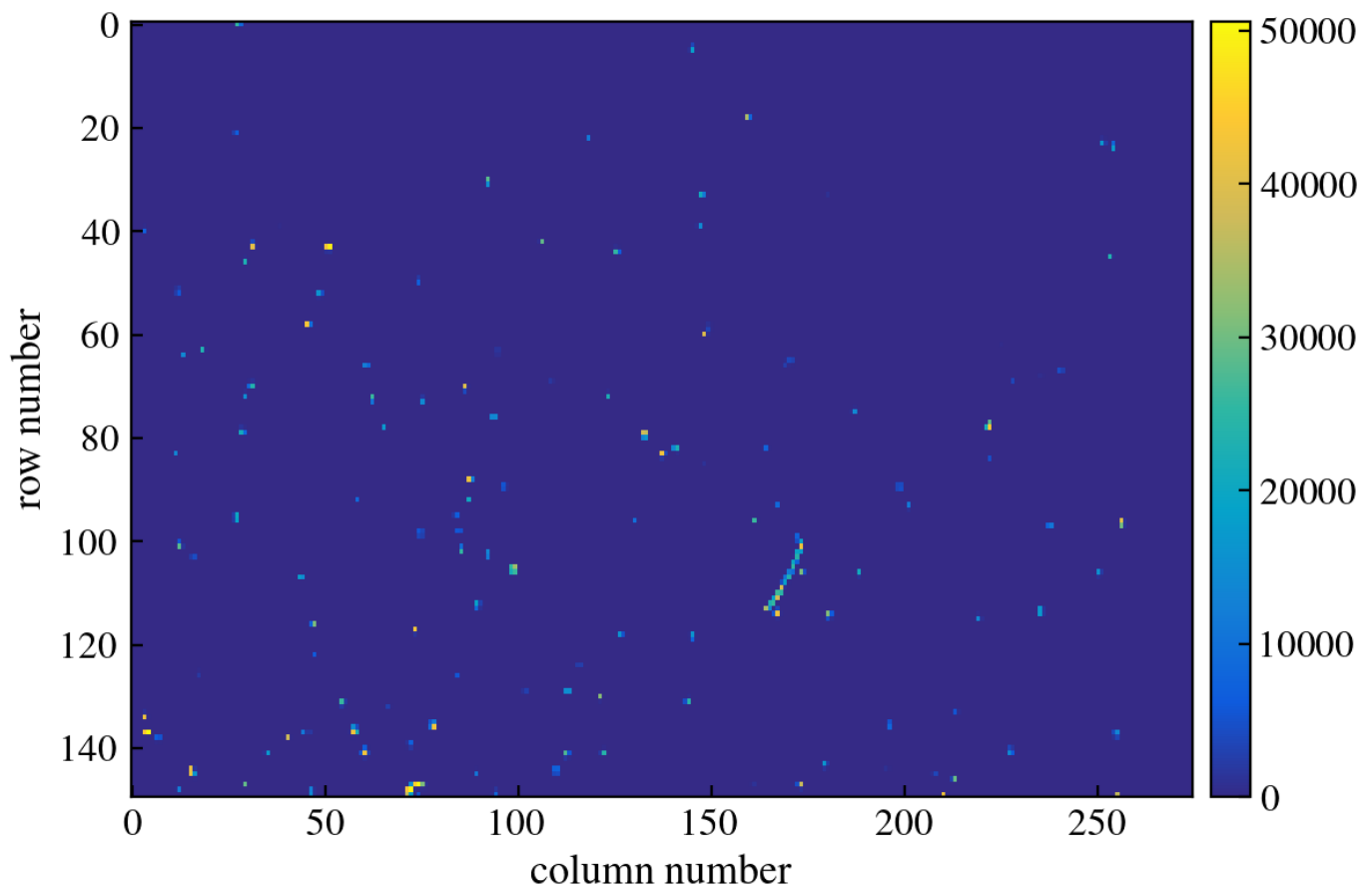


Figure 209: CCD Image

CCD Image: run 154, image 259  
[class MECCDImage]

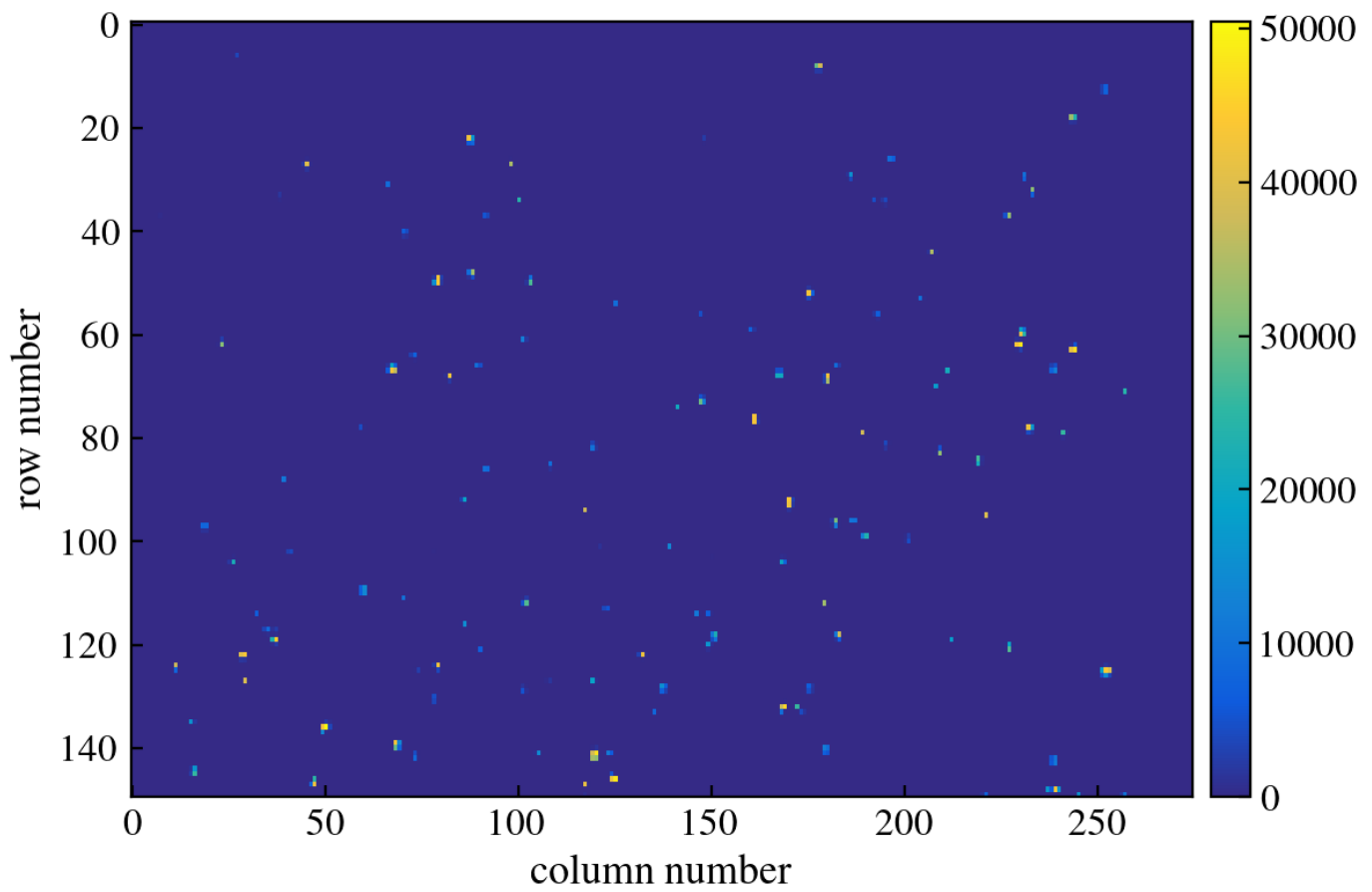


Figure 210: CCD Image

CCD Image: run 154, image 26  
[class MECCDImage]

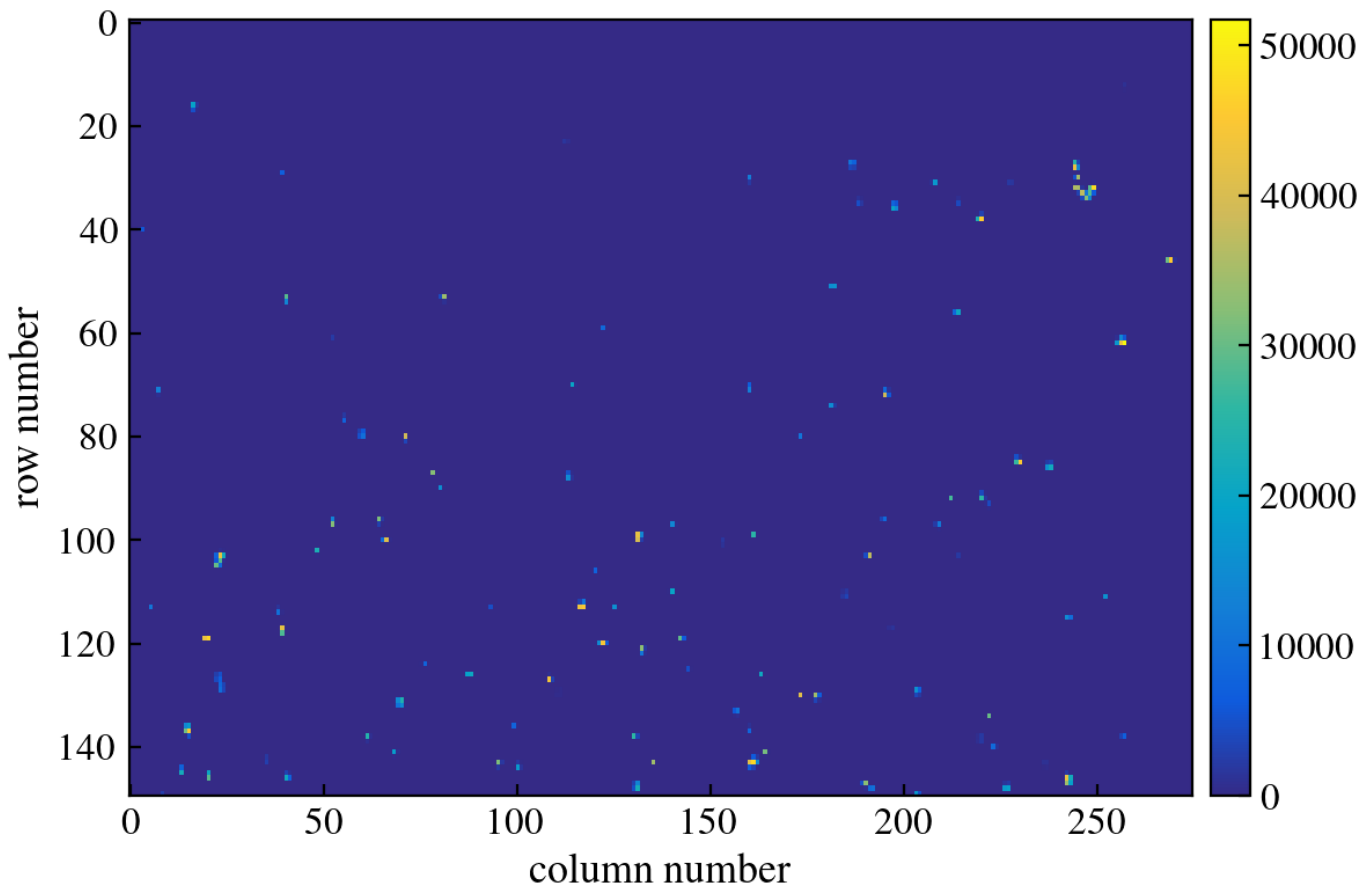


Figure 211: CCD Image



CCD Image: run 154, image 260  
[class MECCDImage]

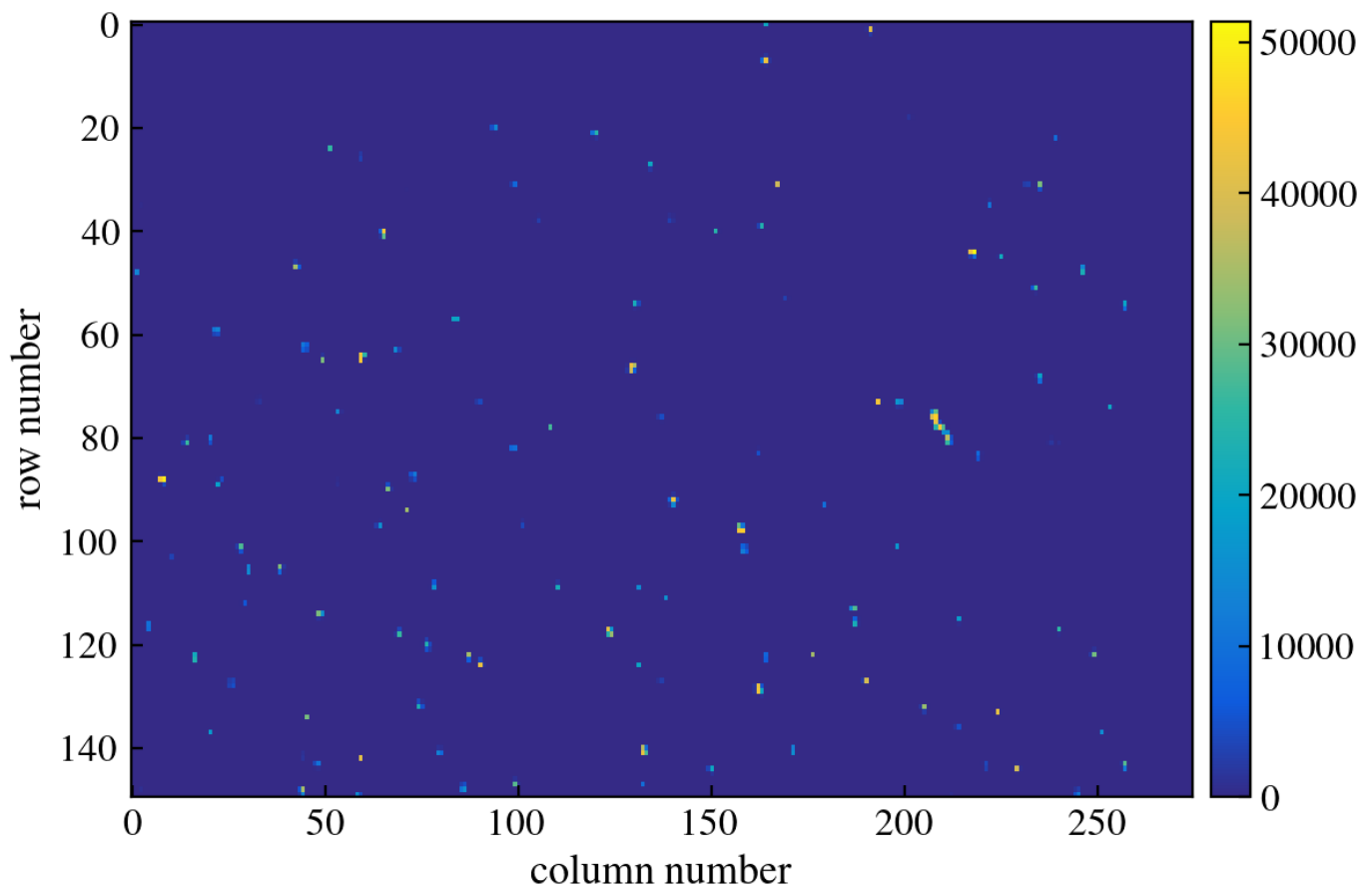


Figure 212: CCD Image

CCD Image: run 154, image 261  
[class MECCDImage]

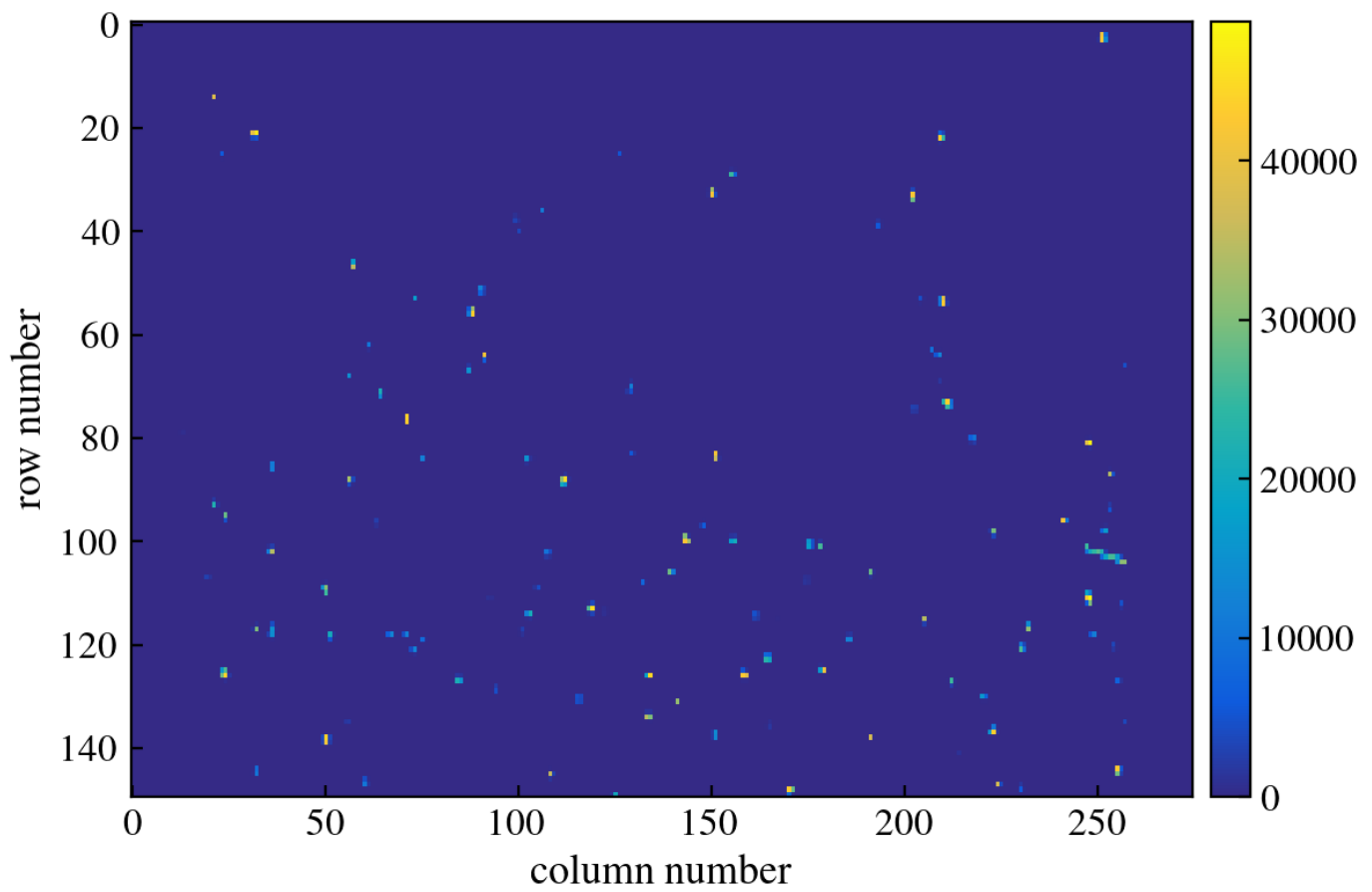


Figure 213: CCD Image

CCD Image: run 154, image 262  
[class MECCDImage]

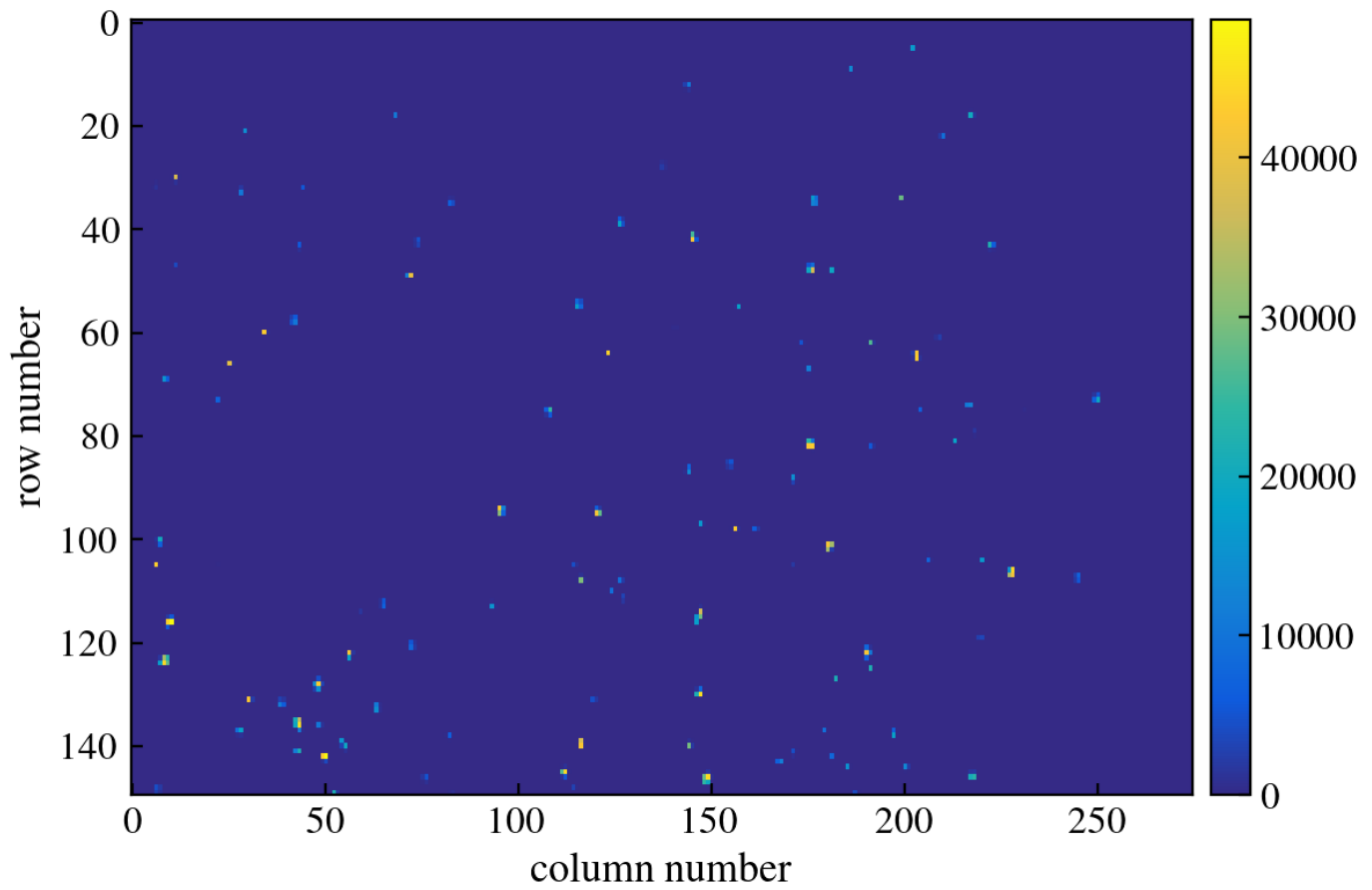


Figure 214: CCD Image

CCD Image: run 154, image 263  
[class MECCDImage]

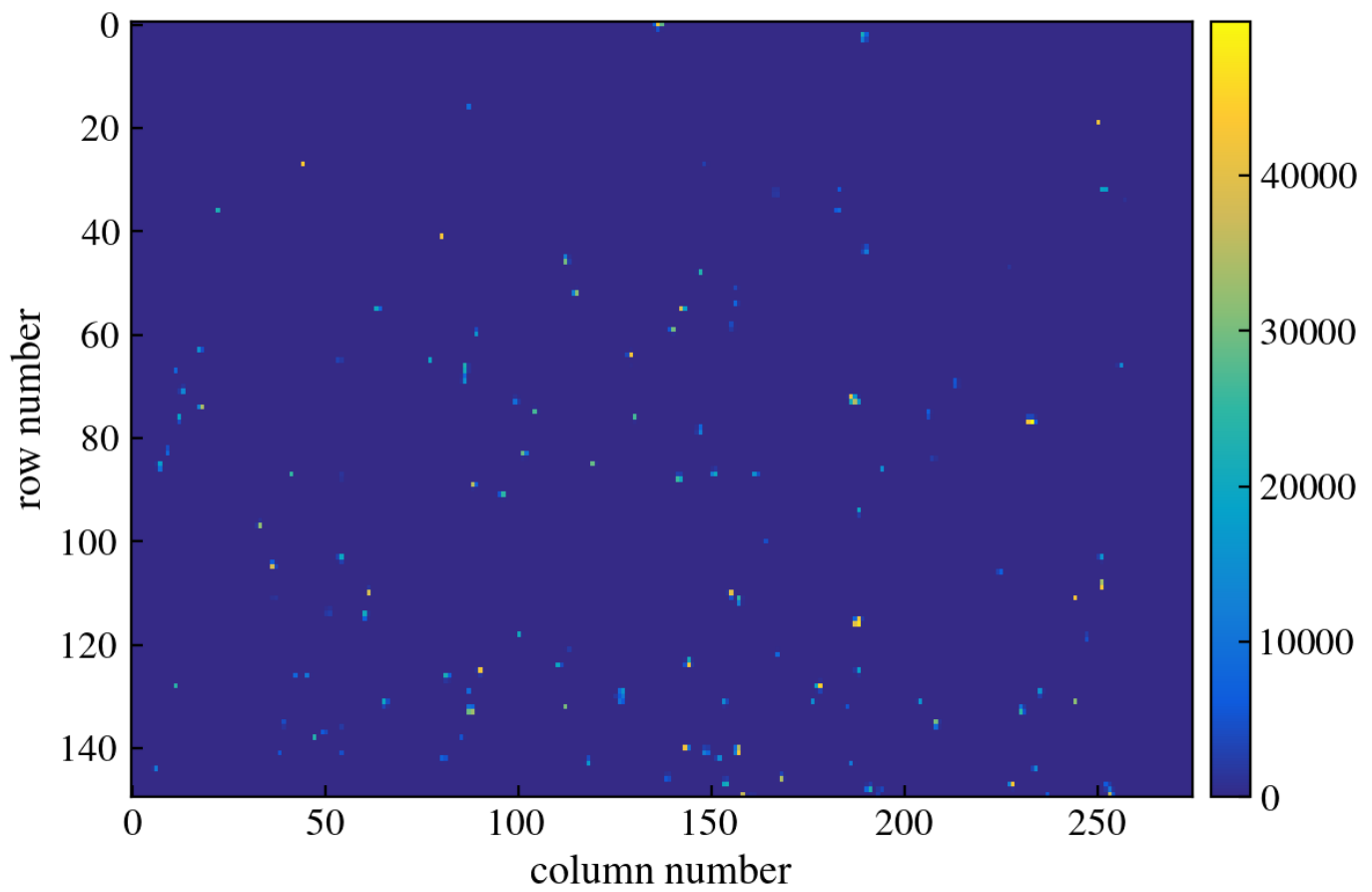


Figure 215: CCD Image

CCD Image: run 154, image 264  
[class MECCDImage]

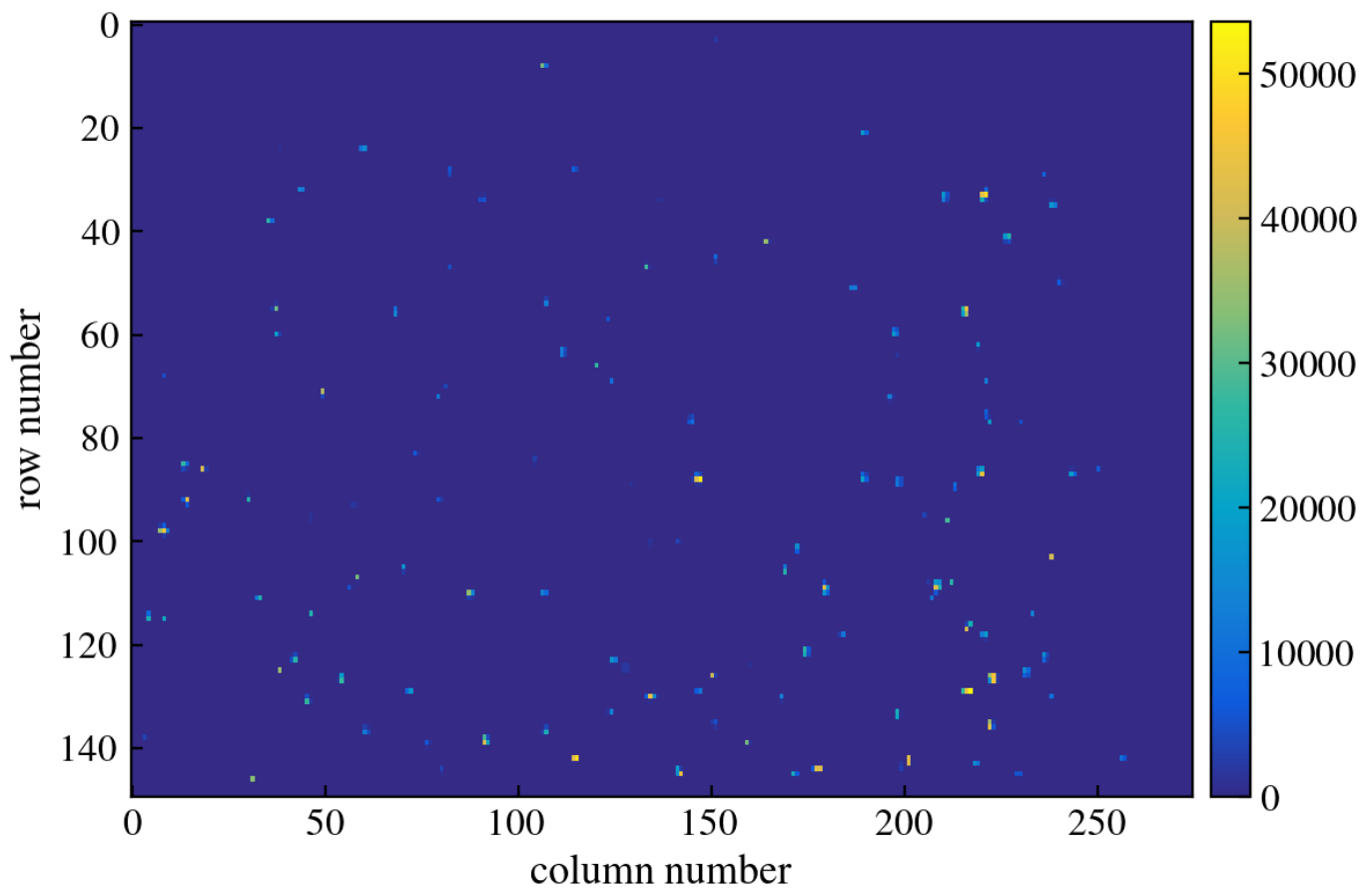


Figure 216: CCD Image

CCD Image: run 154, image 265  
[class MECCDImage]

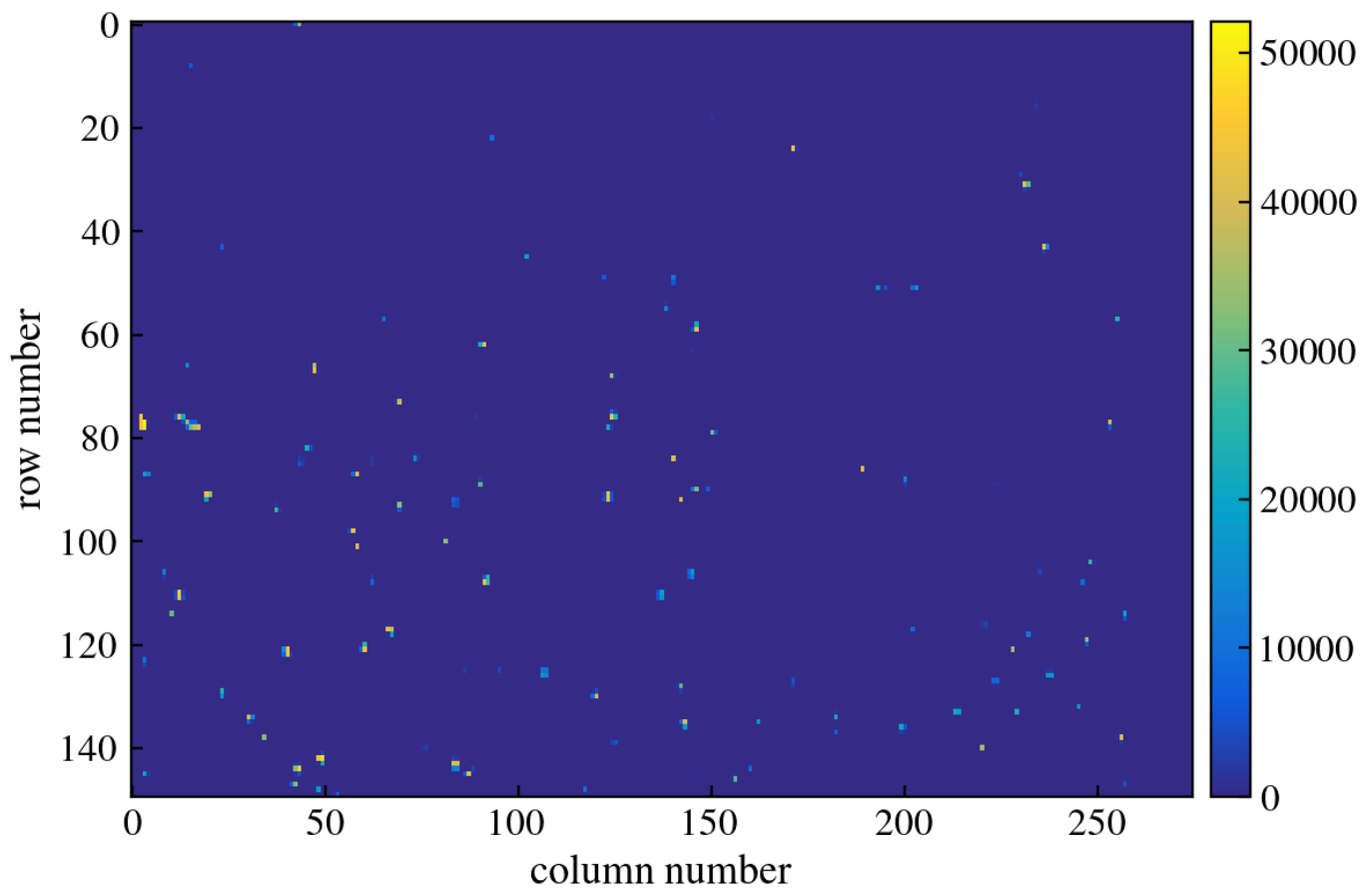


Figure 217: CCD Image

CCD Image: run 154, image 266  
[class MECCDImage]

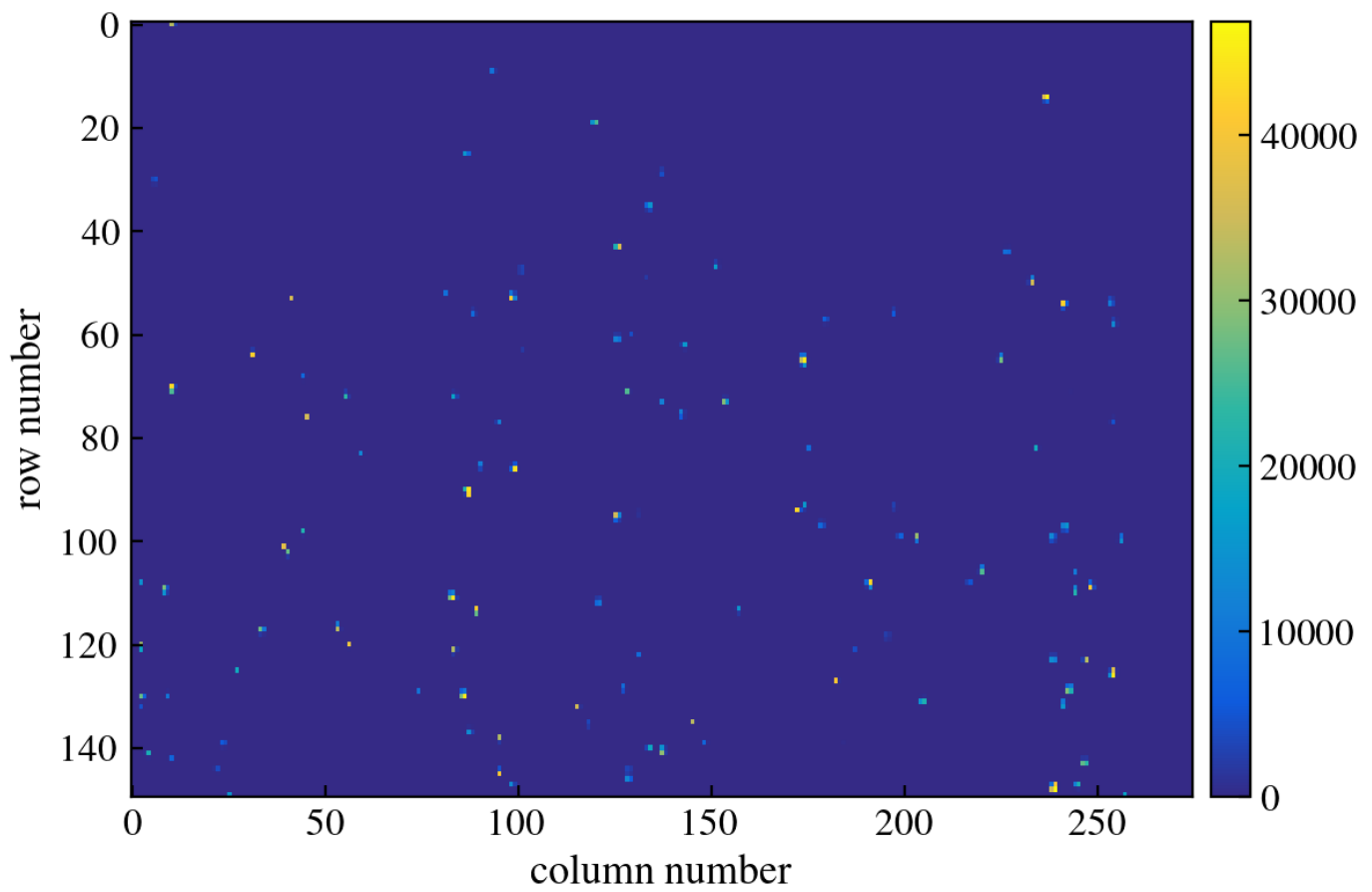


Figure 218: CCD Image

CCD Image: run 154, image 267  
[class MECCDImage]

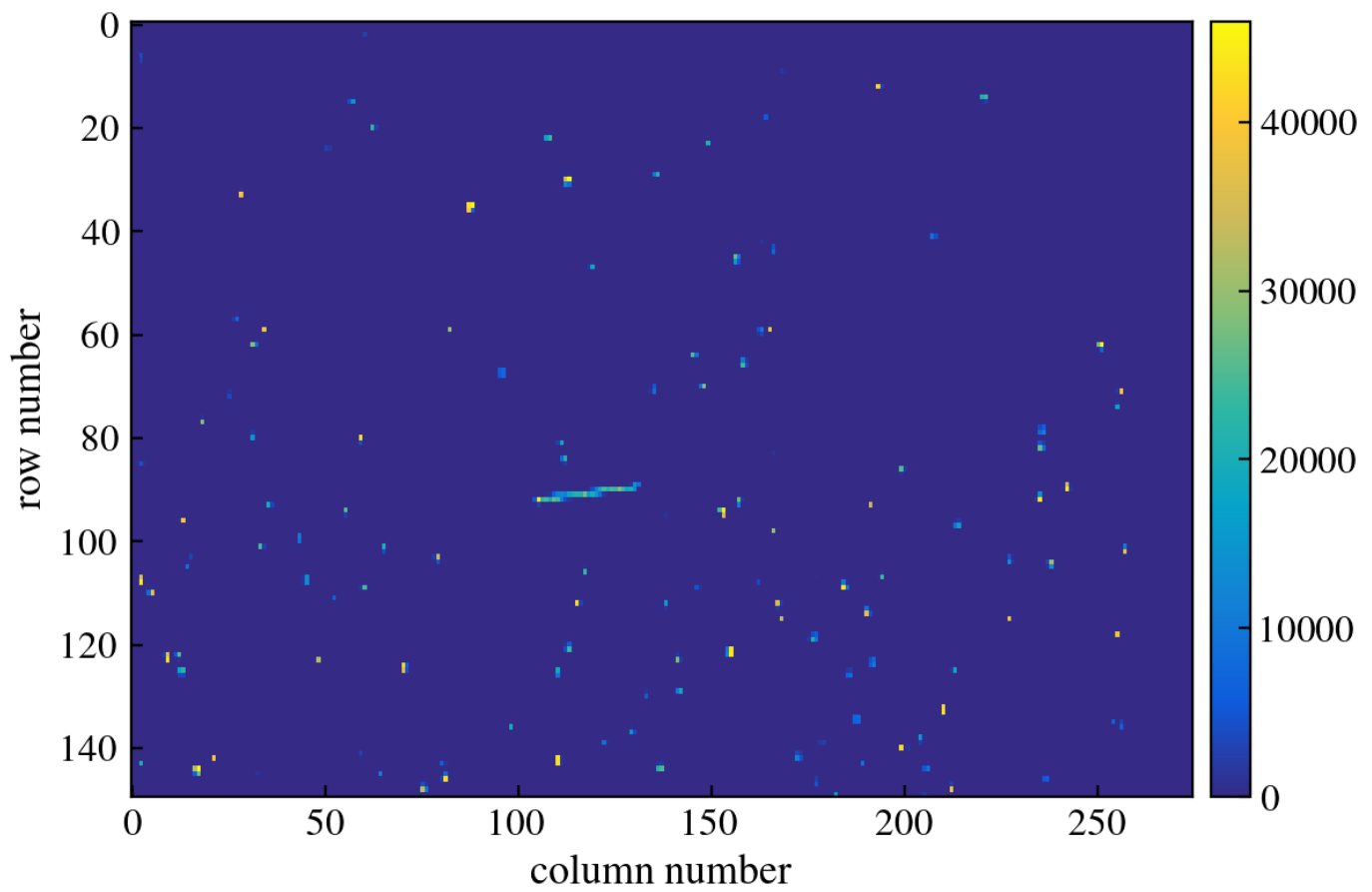


Figure 219: CCD Image



CCD Image: run 154, image 268  
[class MECCDImage]

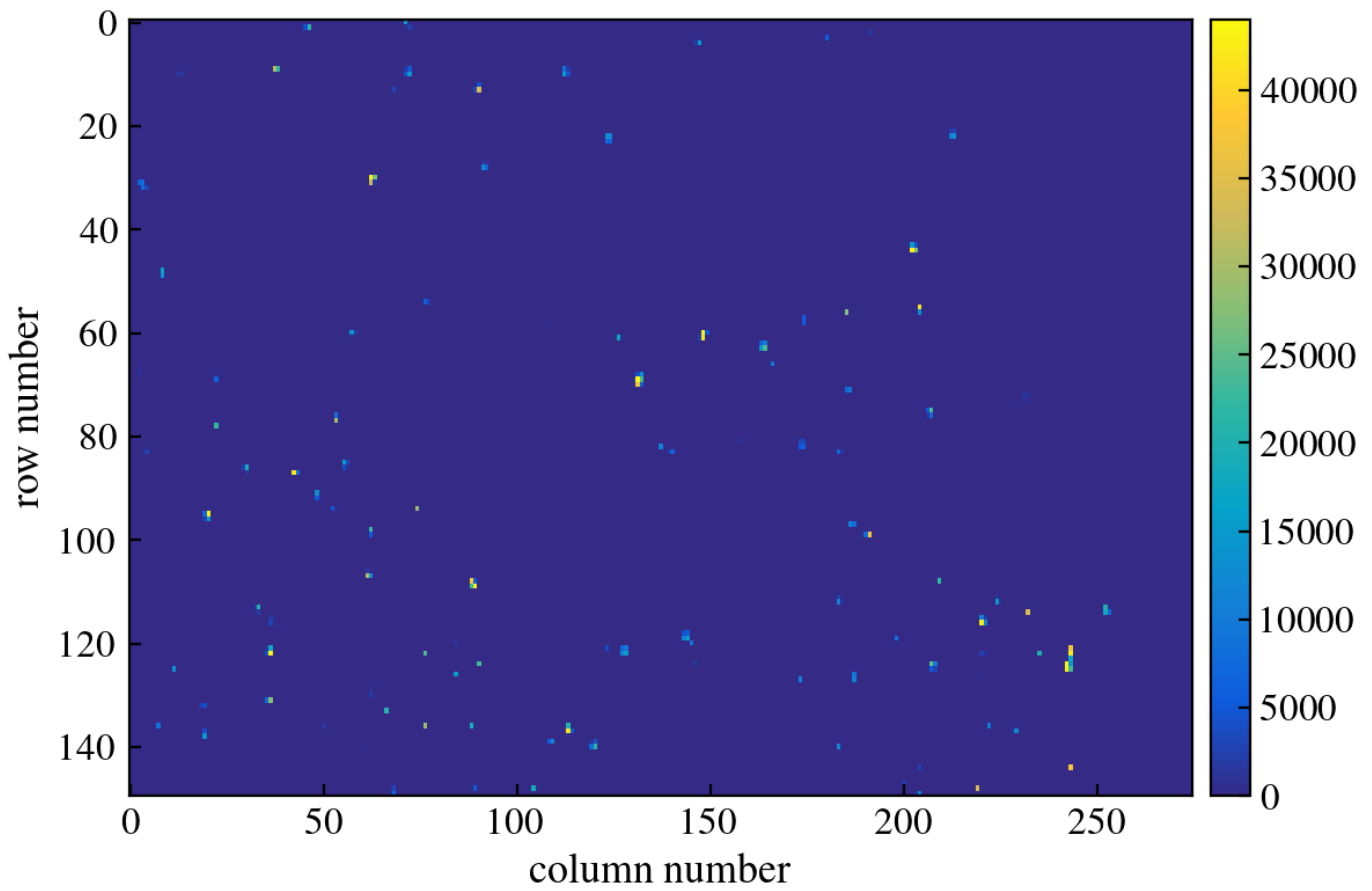


Figure 220: CCD Image

CCD Image: run 154, image 269  
[class MECCDImage]

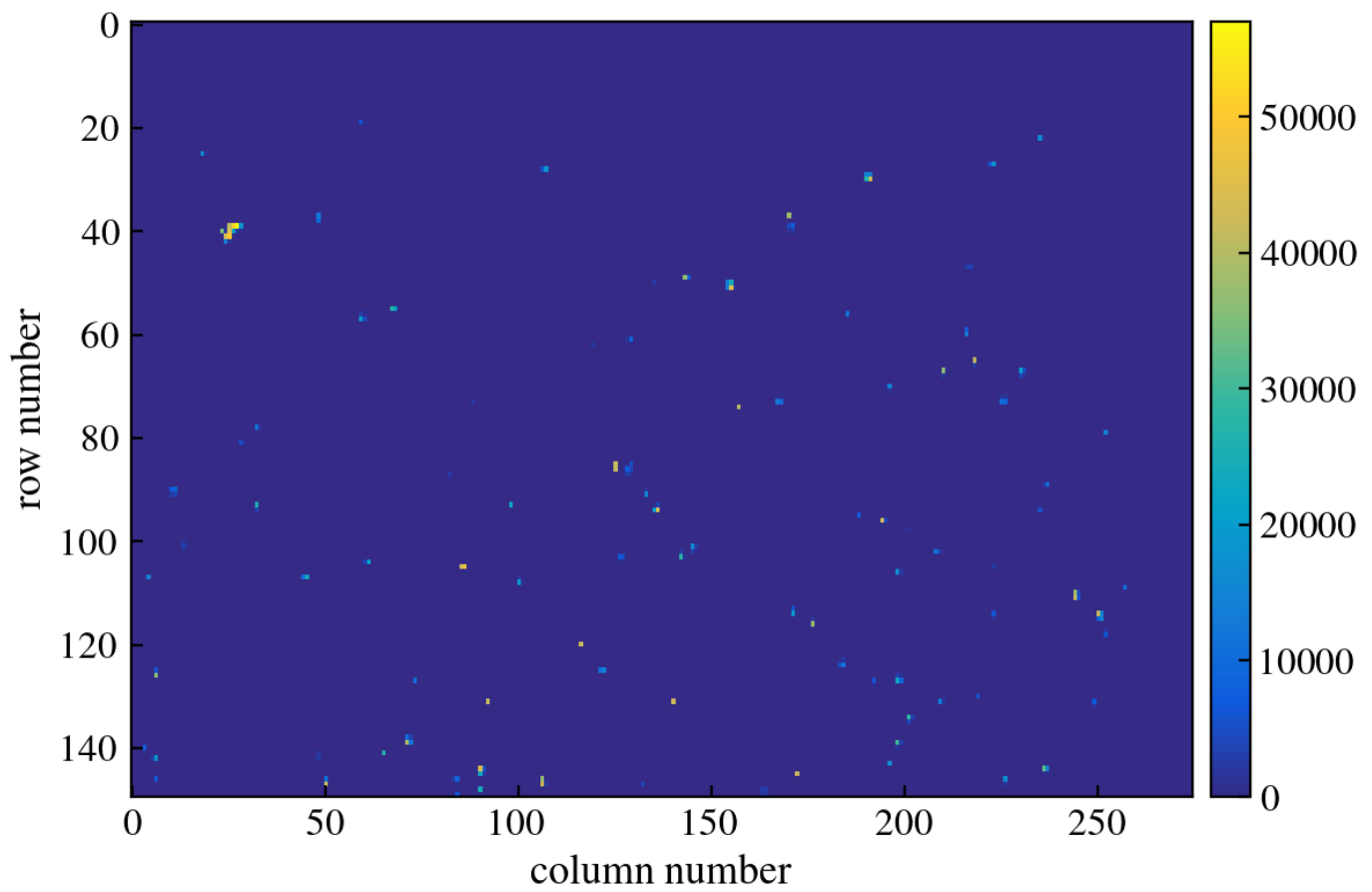


Figure 221: CCD Image

CCD Image: run 154, image 27  
[class MECCDImage]

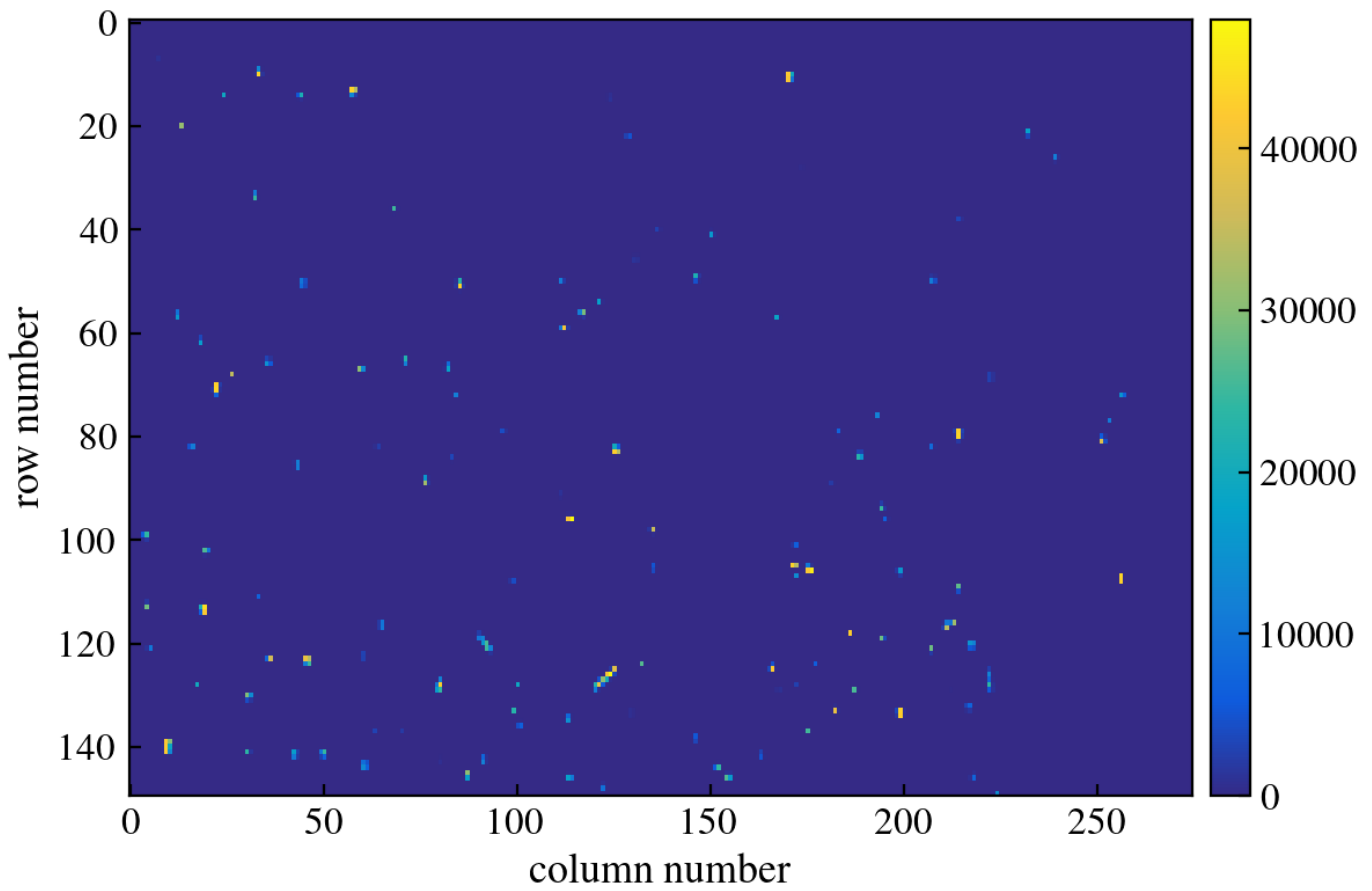


Figure 222: CCD Image

CCD Image: run 154, image 270  
[class MECCDImage]

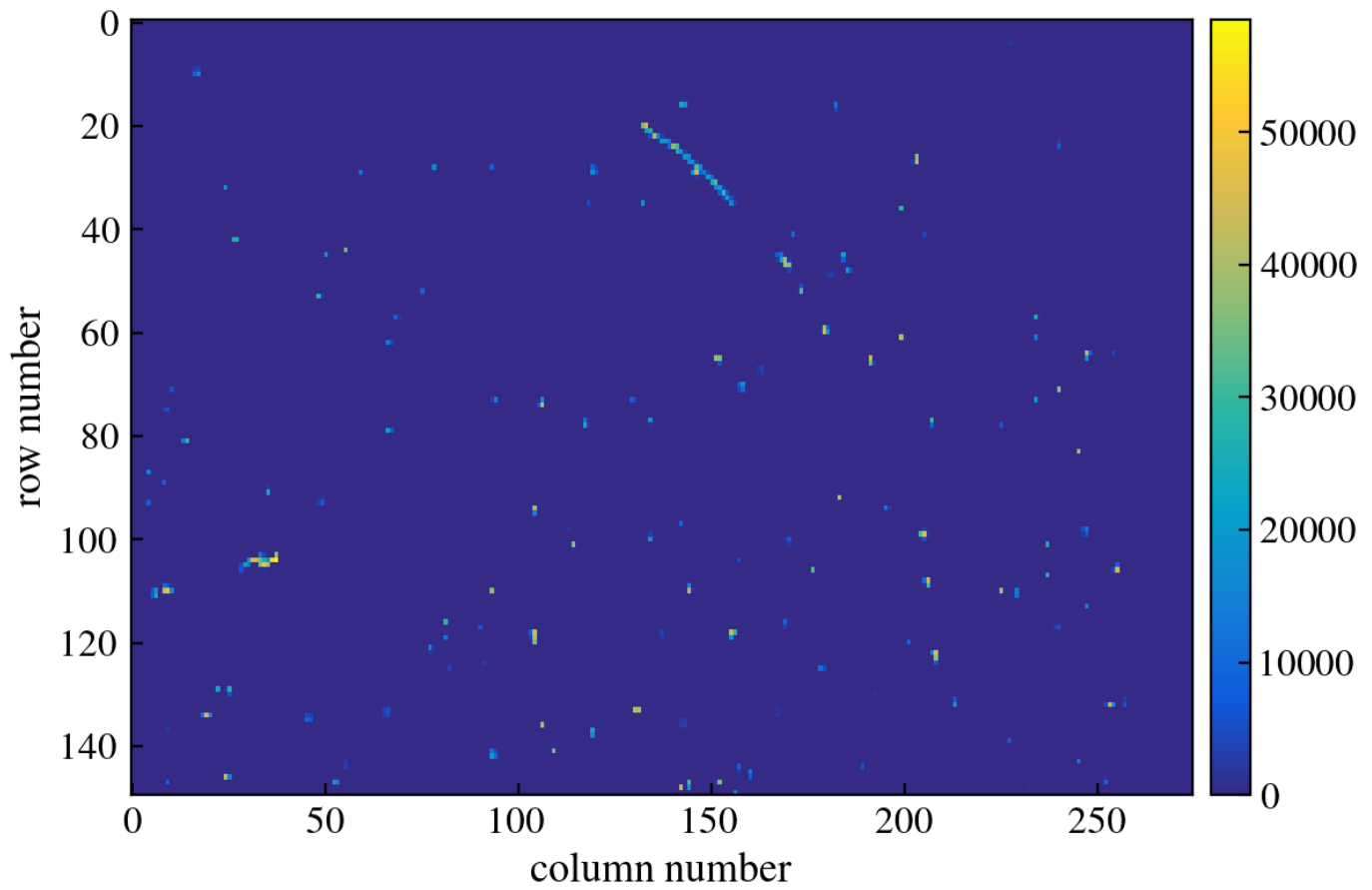


Figure 223: CCD Image

CCD Image: run 154, image 271  
[class MECCDImage]

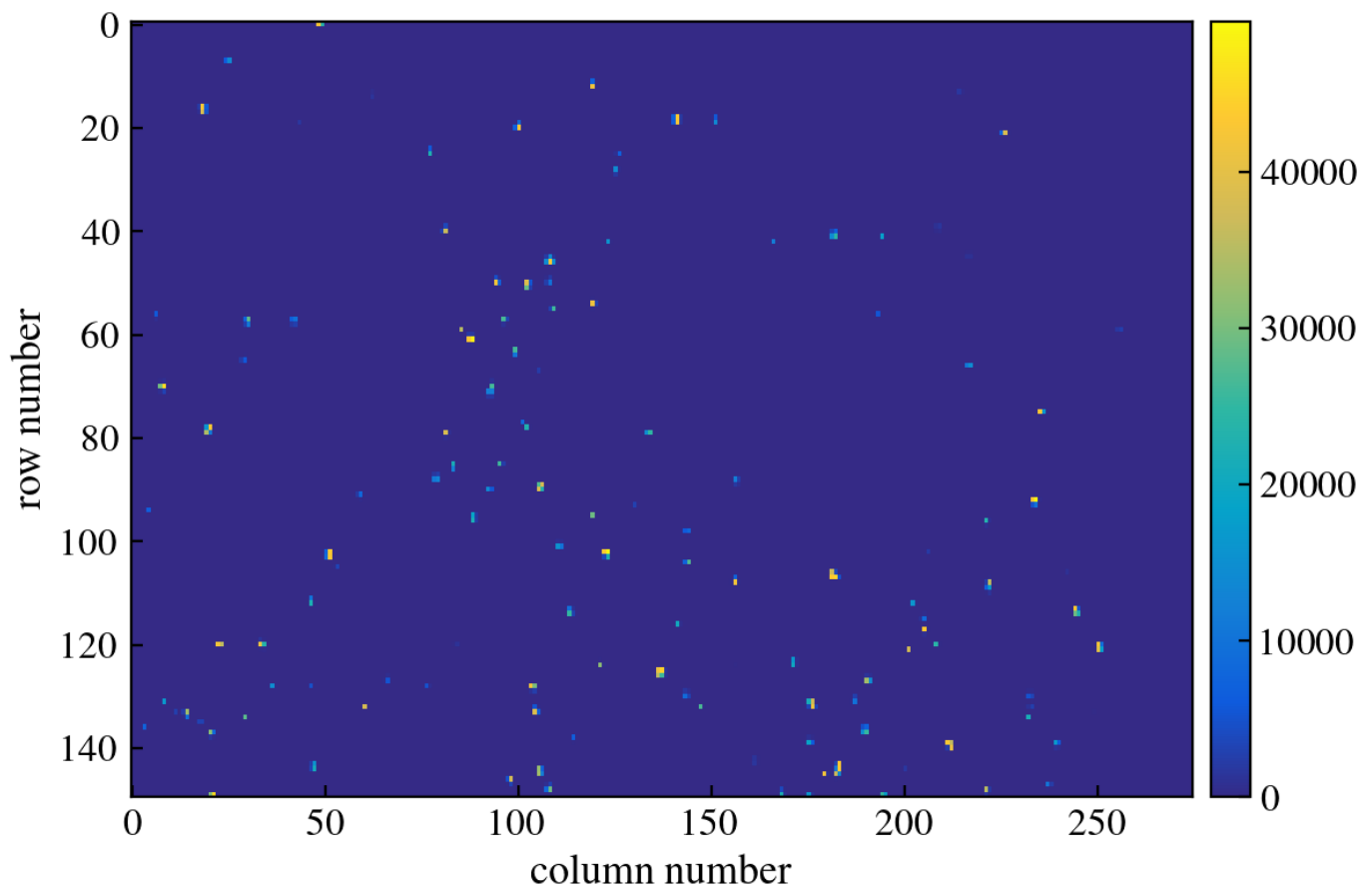


Figure 224: CCD Image

CCD Image: run 154, image 272  
[class MECCDImage]

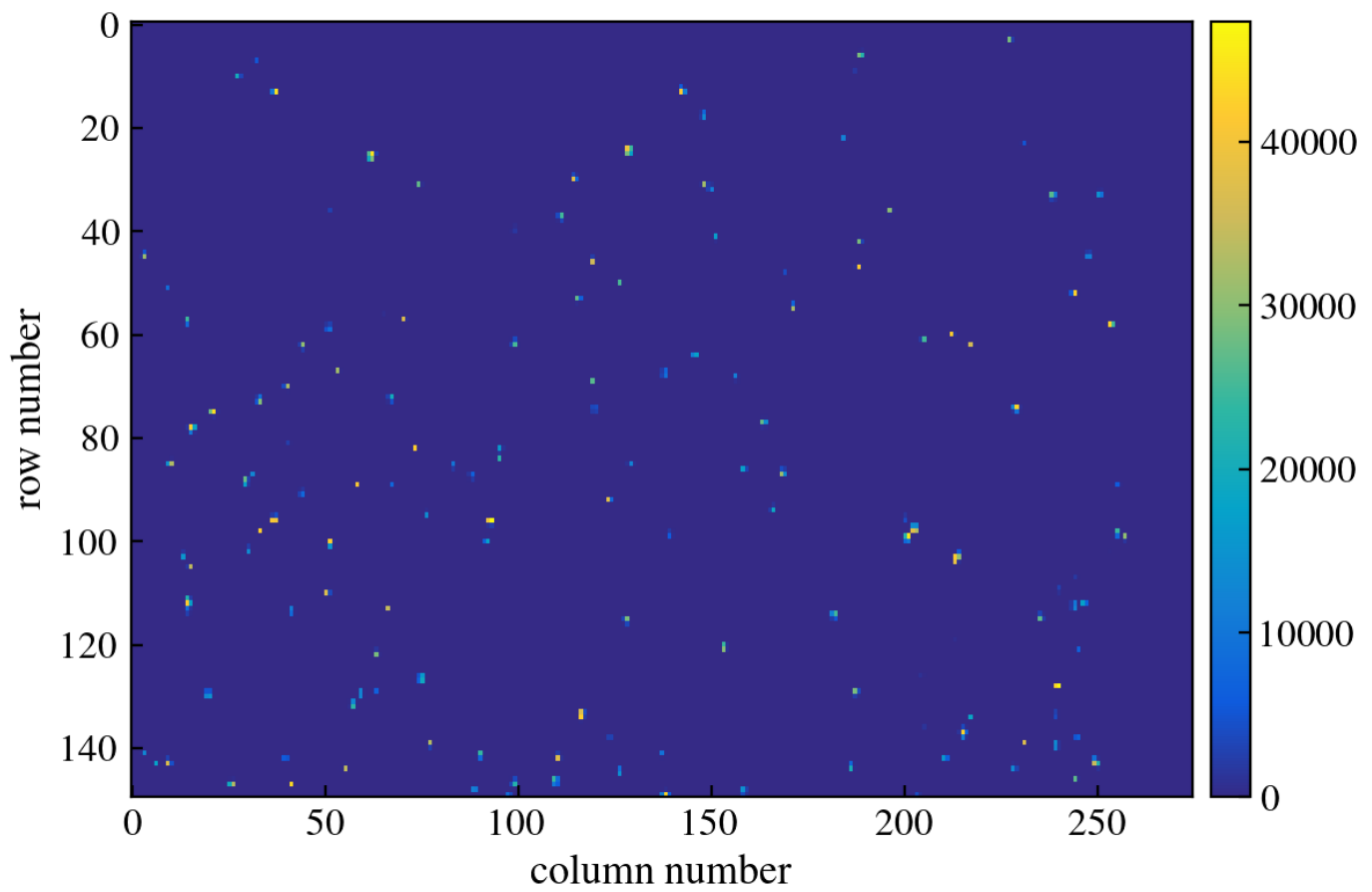


Figure 225: CCD Image

CCD Image: run 154, image 273  
[class MECCDImage]

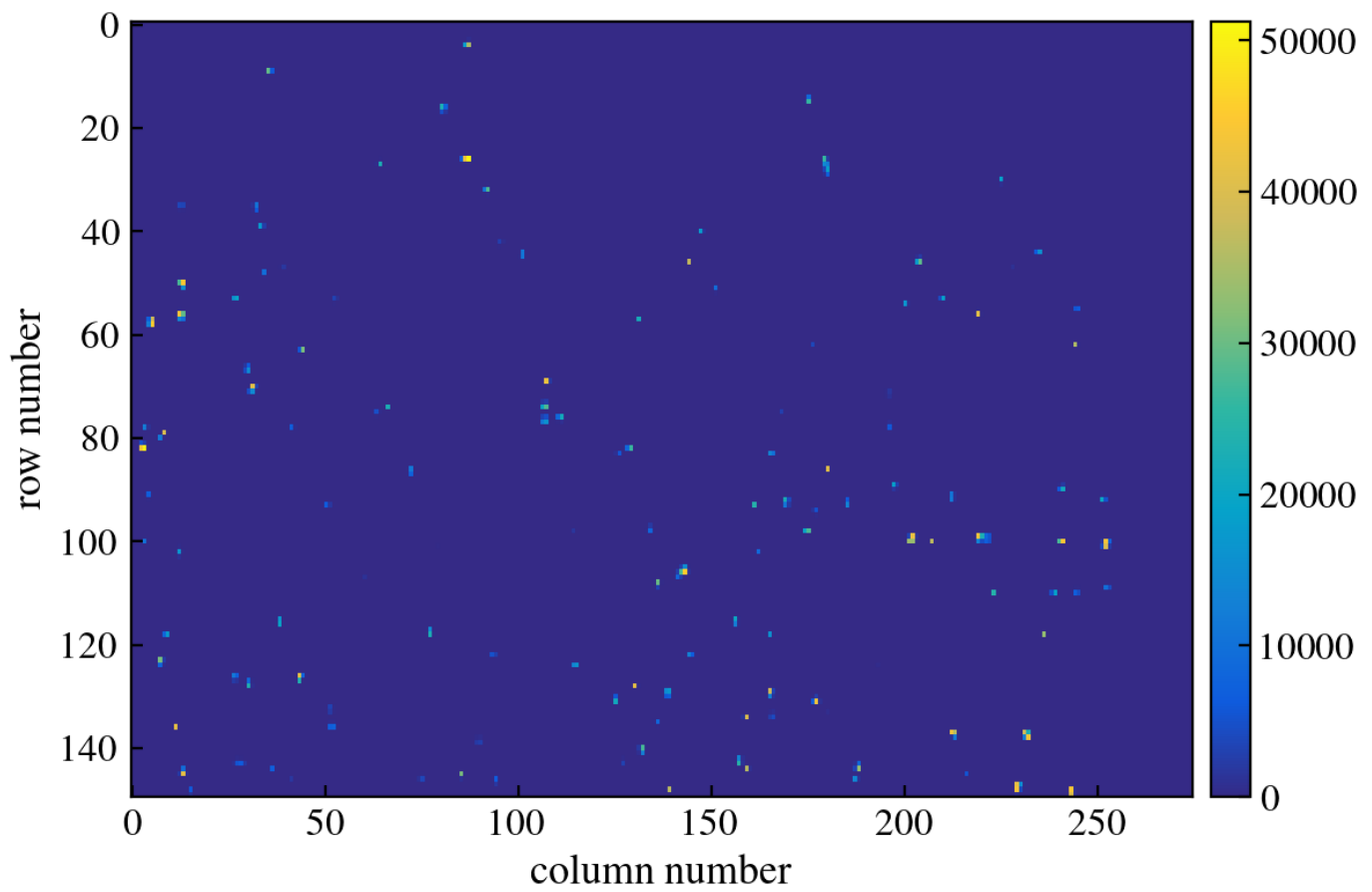


Figure 226: CCD Image

CCD Image: run 154, image 274  
[class MECCDImage]

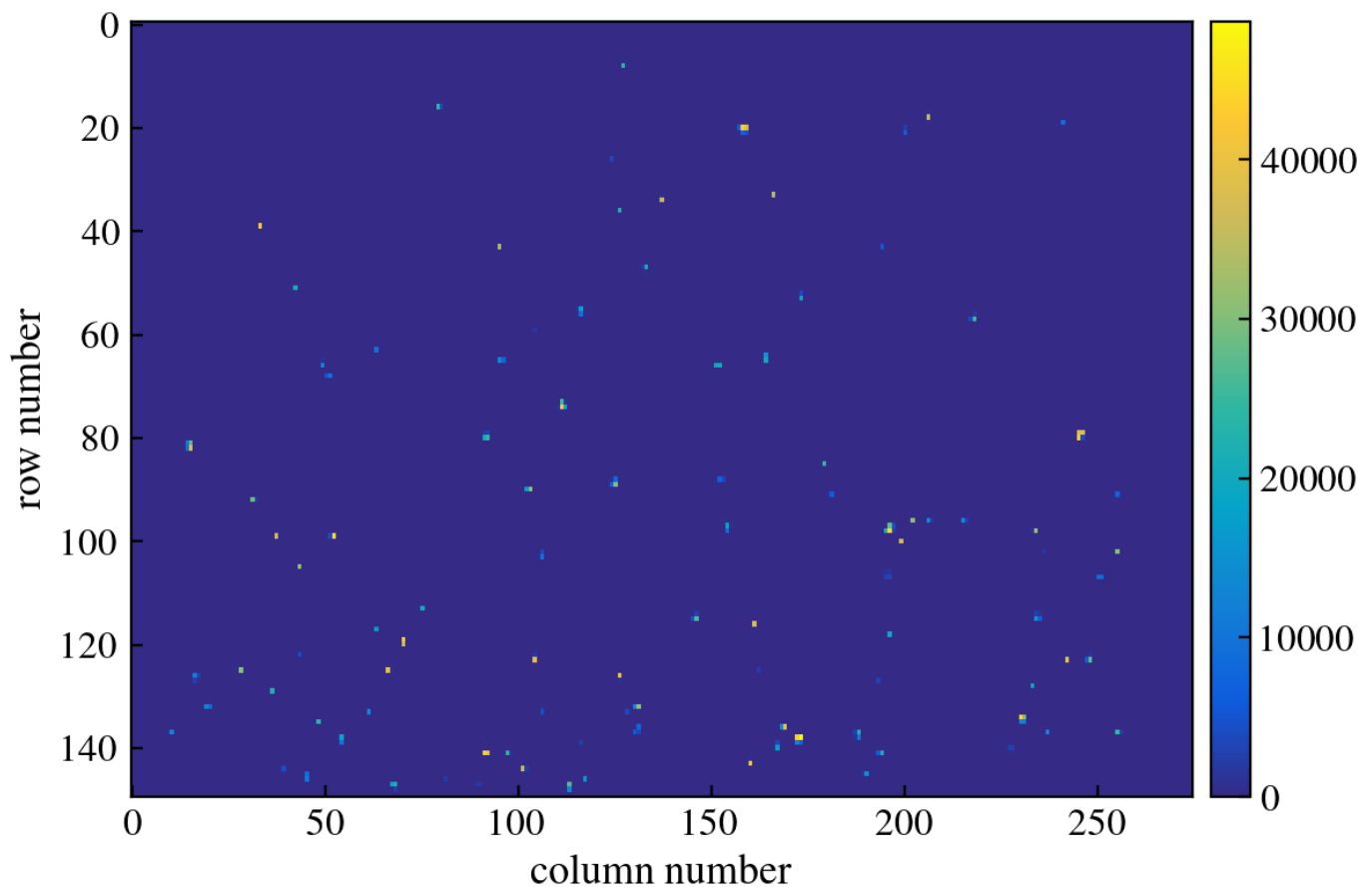


Figure 227: CCD Image



CCD Image: run 154, image 275  
[class MECCDImage]

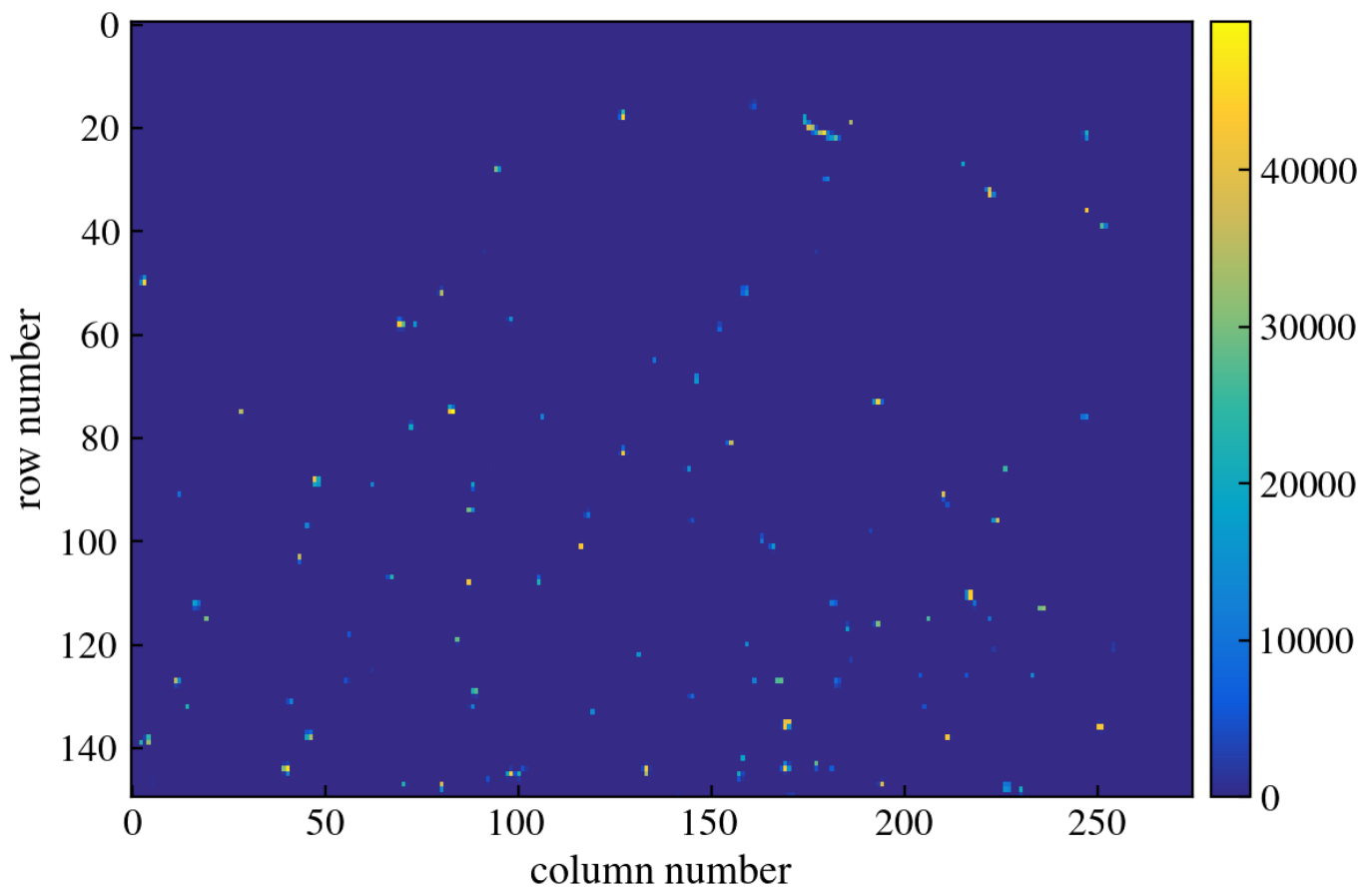


Figure 228: CCD Image

CCD Image: run 154, image 276  
[class MECCDImage]

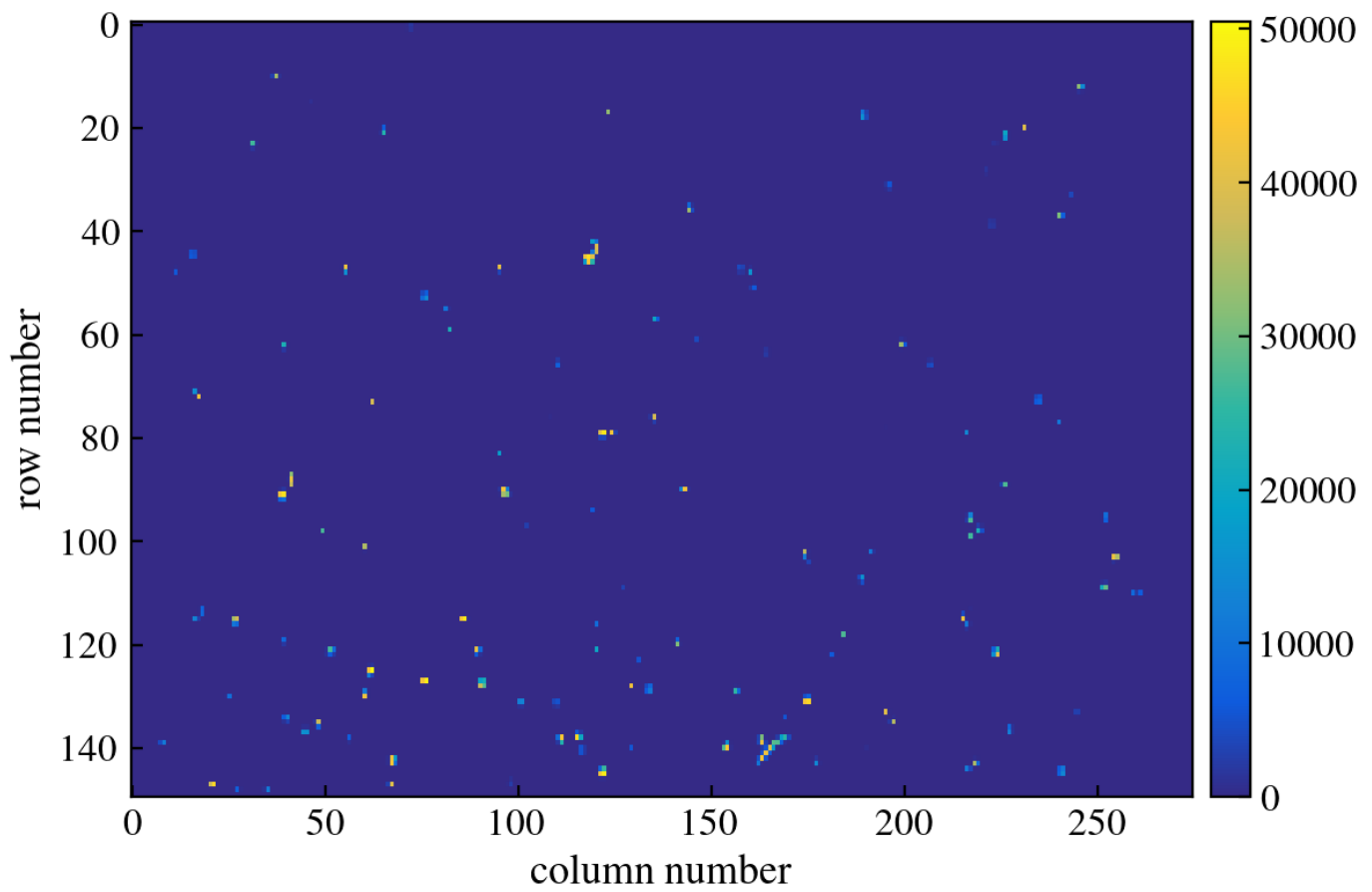


Figure 229: CCD Image

CCD Image: run 154, image 277  
[class MECCDImage]

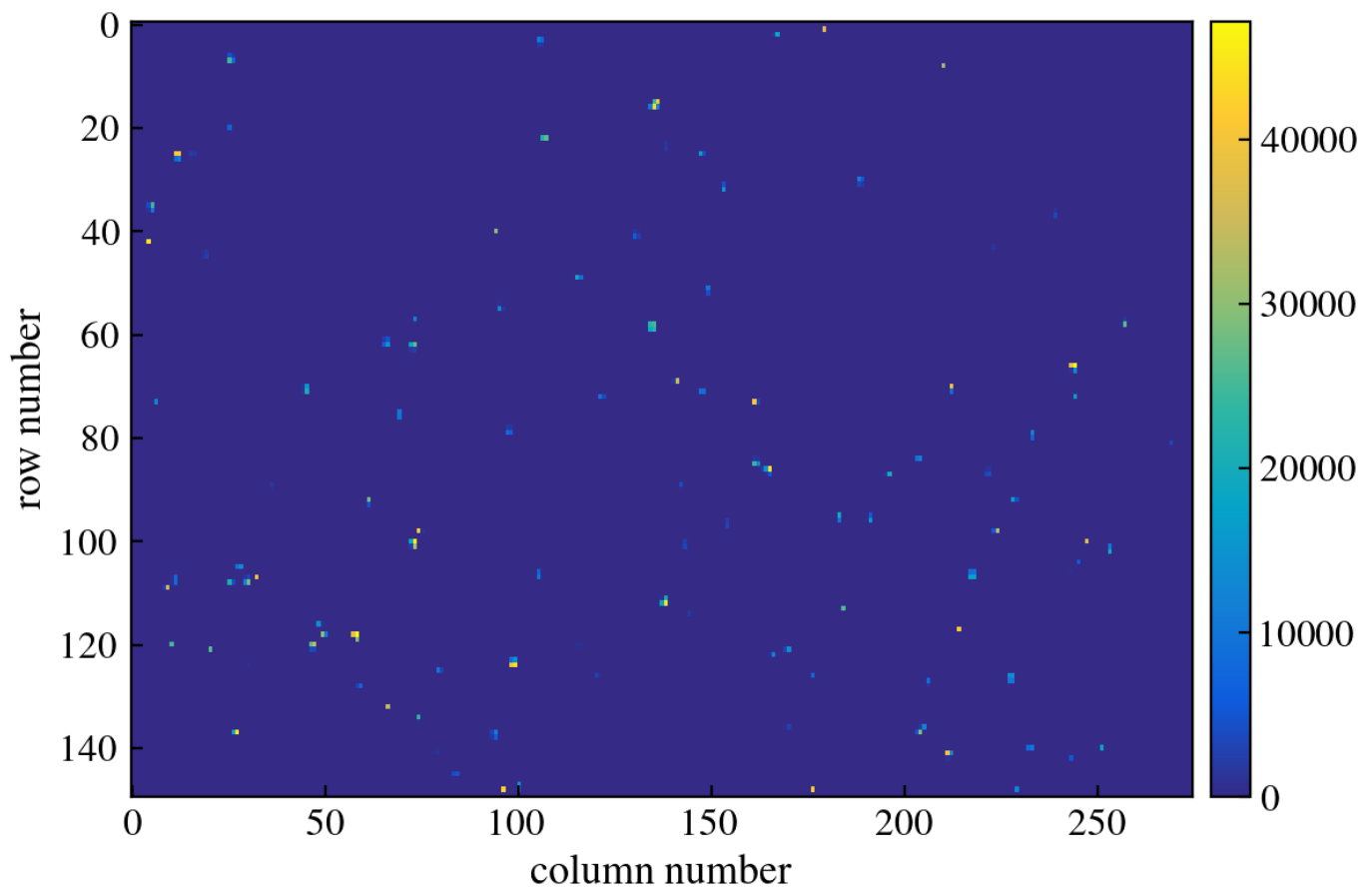


Figure 230: CCD Image

CCD Image: run 154, image 278  
[class MECCDImage]

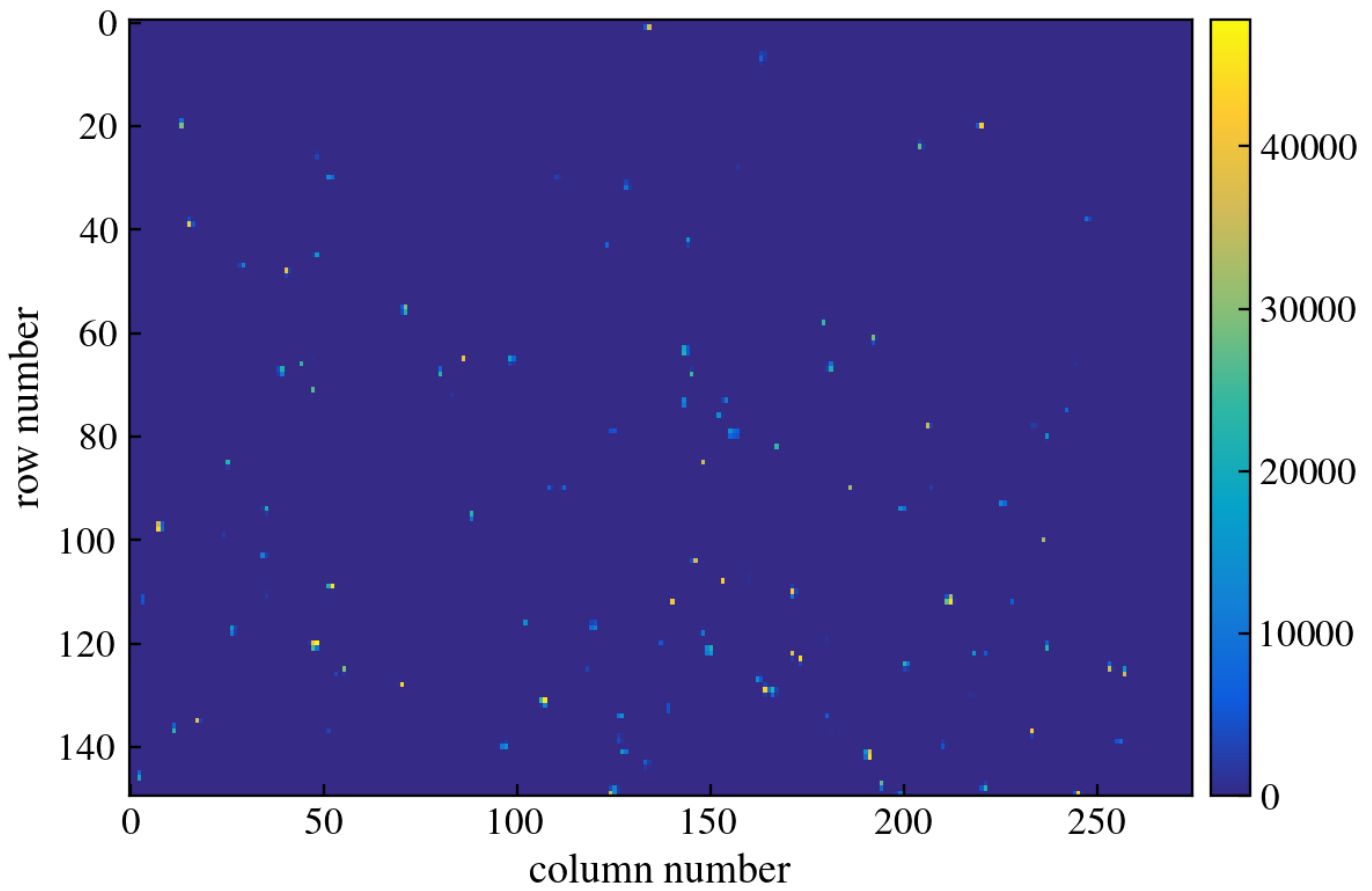


Figure 231: CCD Image

CCD Image: run 154, image 279  
[class MECCDImage]

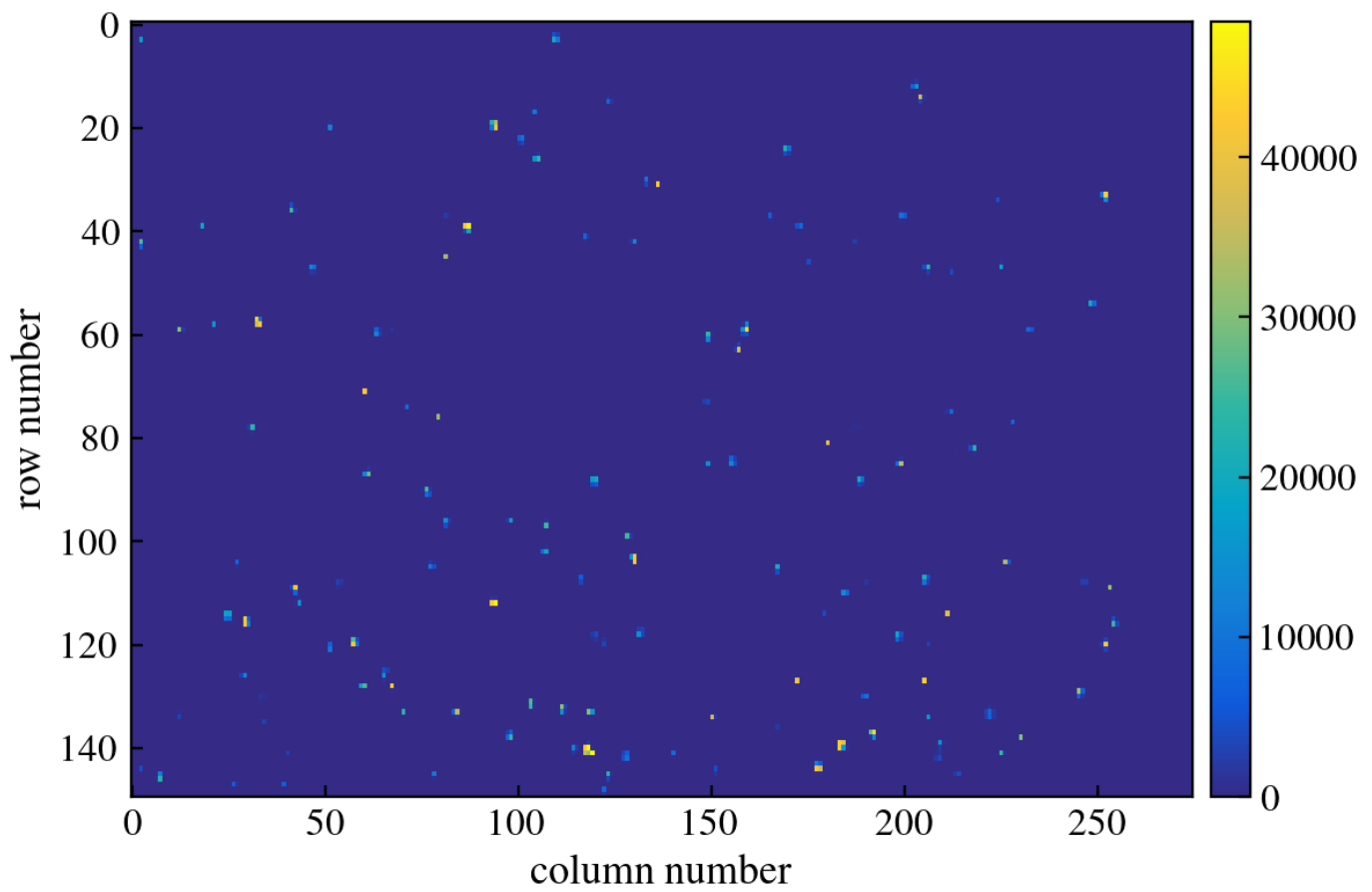


Figure 232: CCD Image

CCD Image: run 154, image 28  
[class MECCDImage]

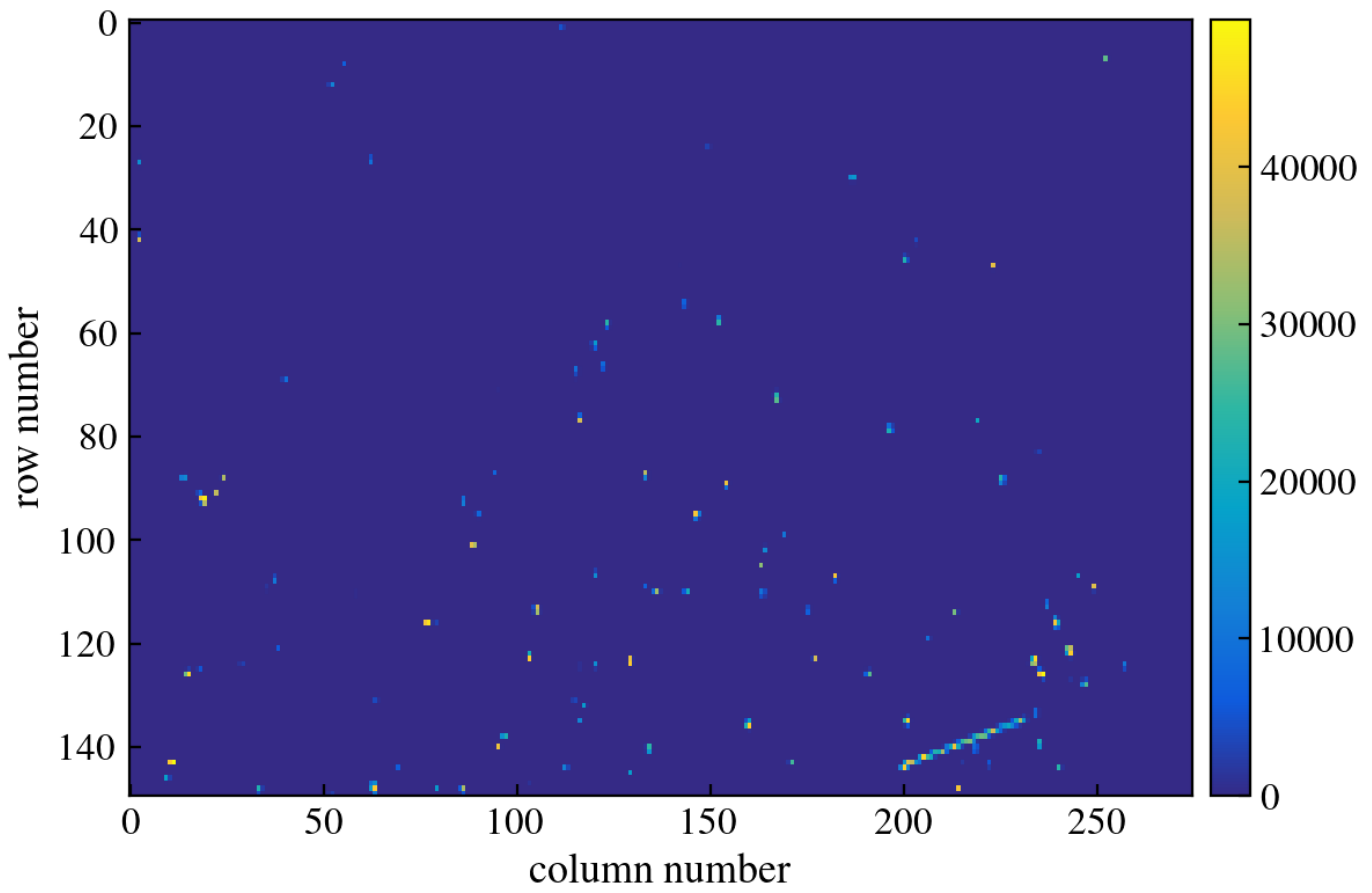


Figure 233: CCD Image

CCD Image: run 154, image 280  
[class MECCDImage]

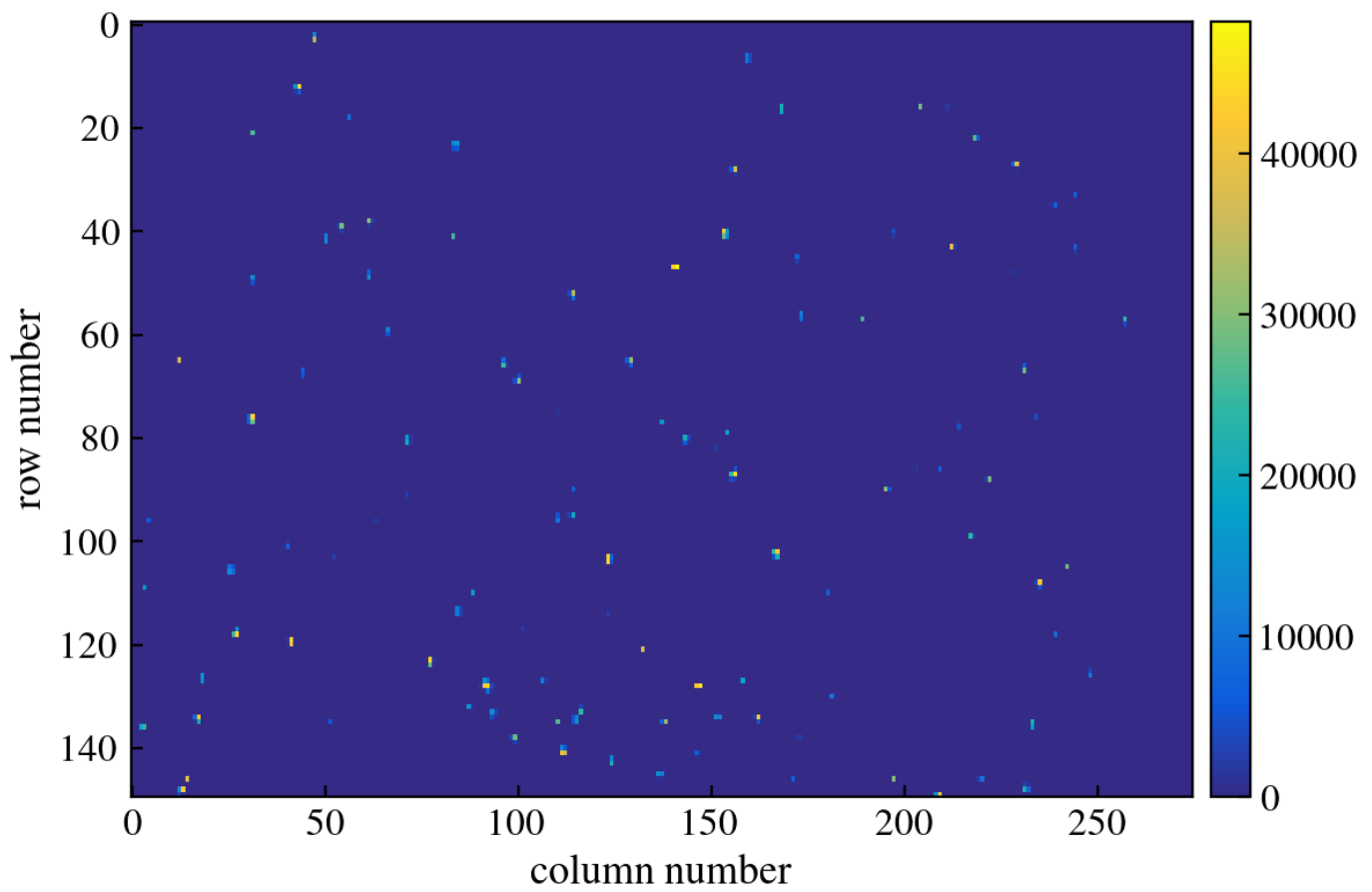


Figure 234: CCD Image

CCD Image: run 154, image 281  
[class MECCDImage]

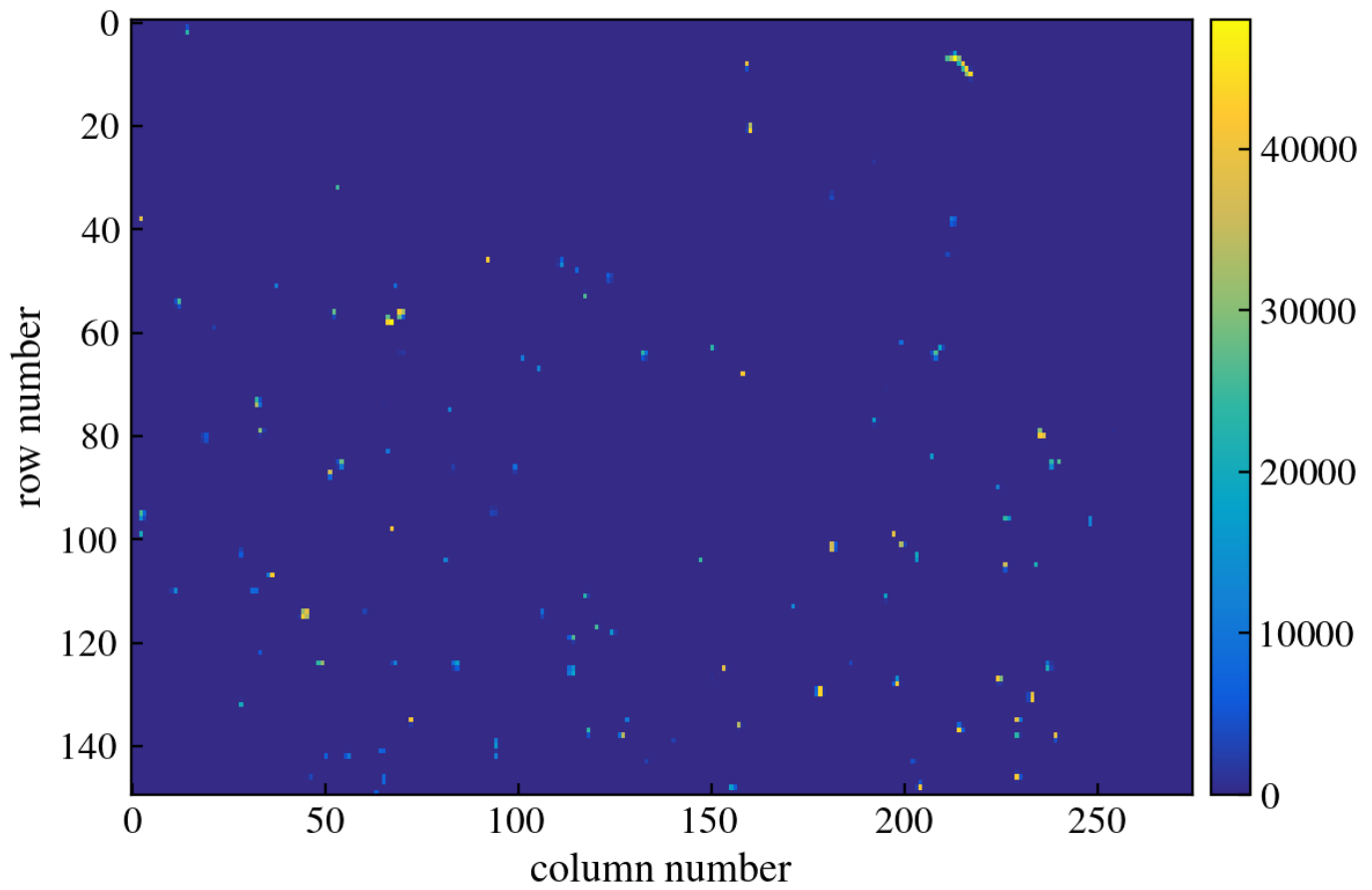


Figure 235: CCD Image



CCD Image: run 154, image 282  
[class MECCDImage]

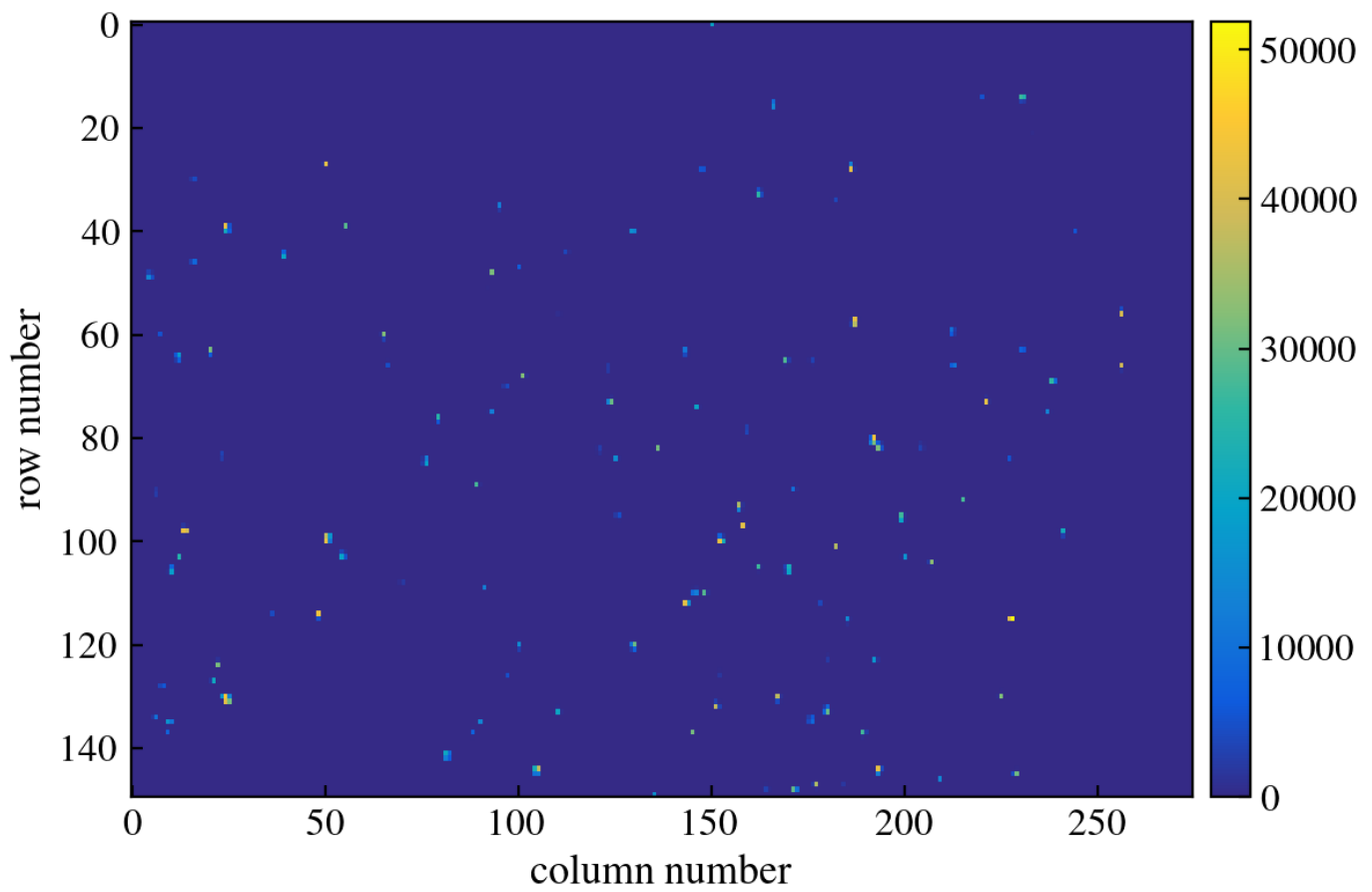


Figure 236: CCD Image

CCD Image: run 154, image 283  
[class MECCDImage]

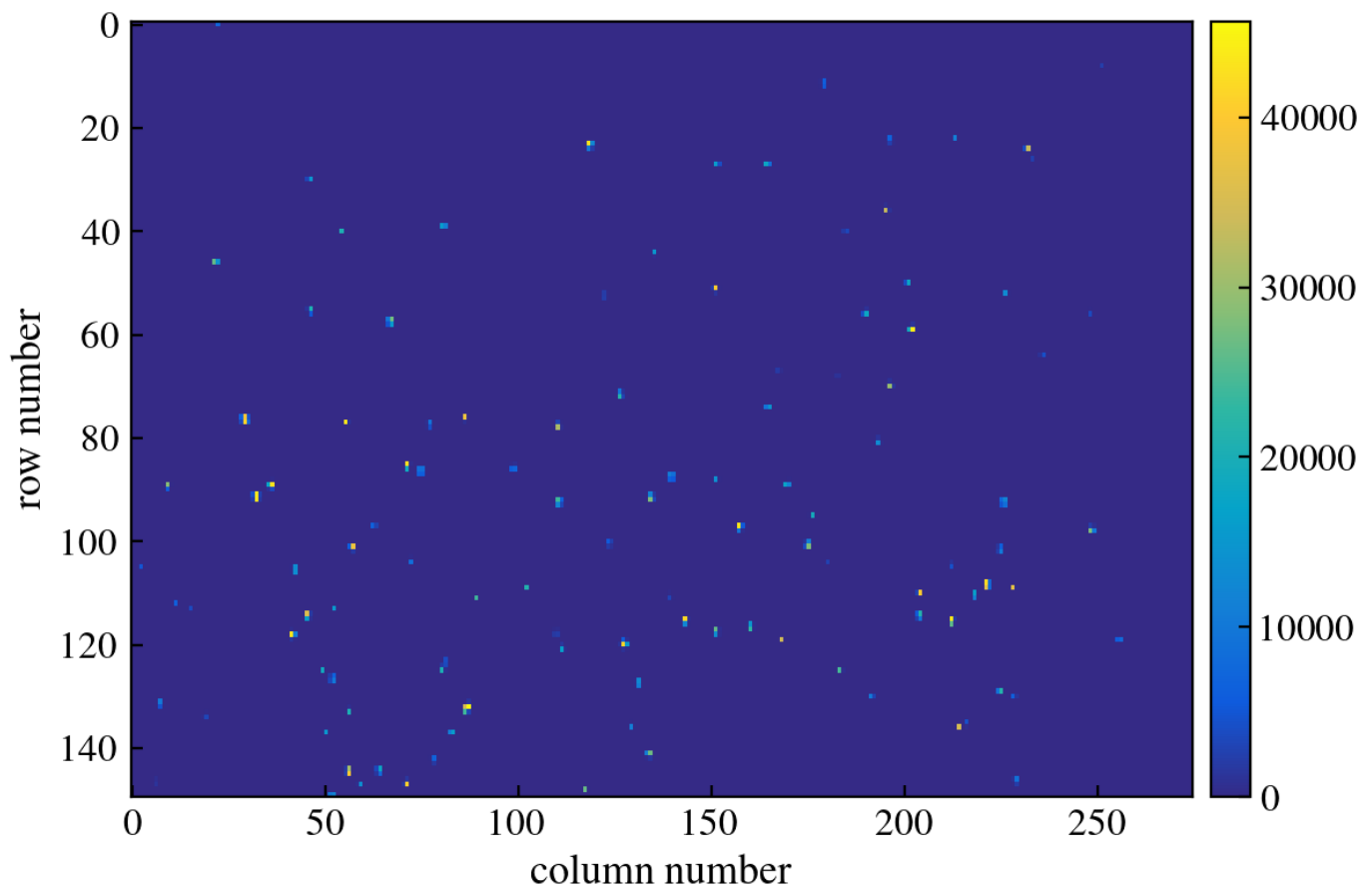


Figure 237: CCD Image

CCD Image: run 154, image 284  
[class MECCDImage]

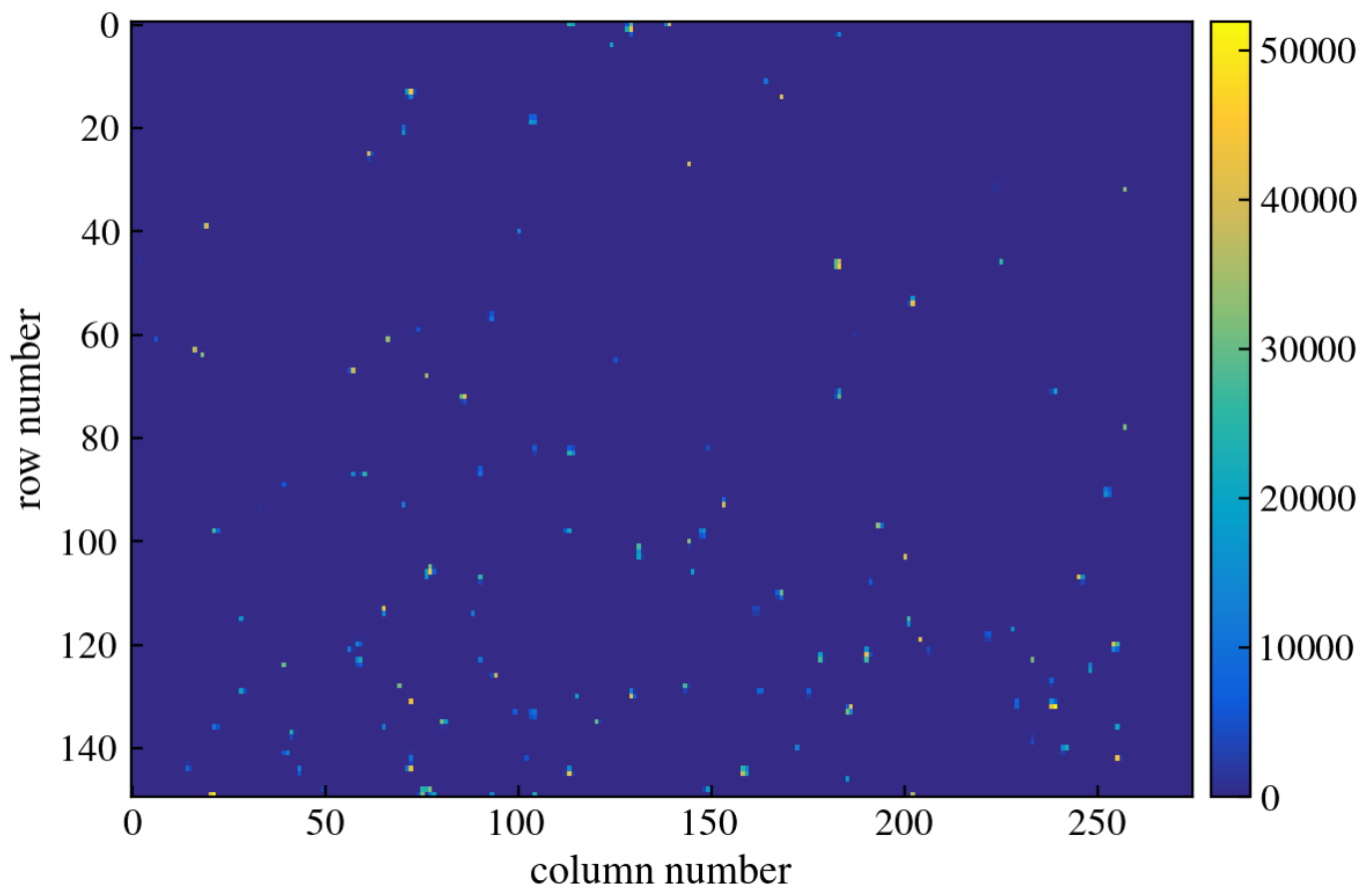


Figure 238: CCD Image

CCD Image: run 154, image 285  
[class MECCDImage]

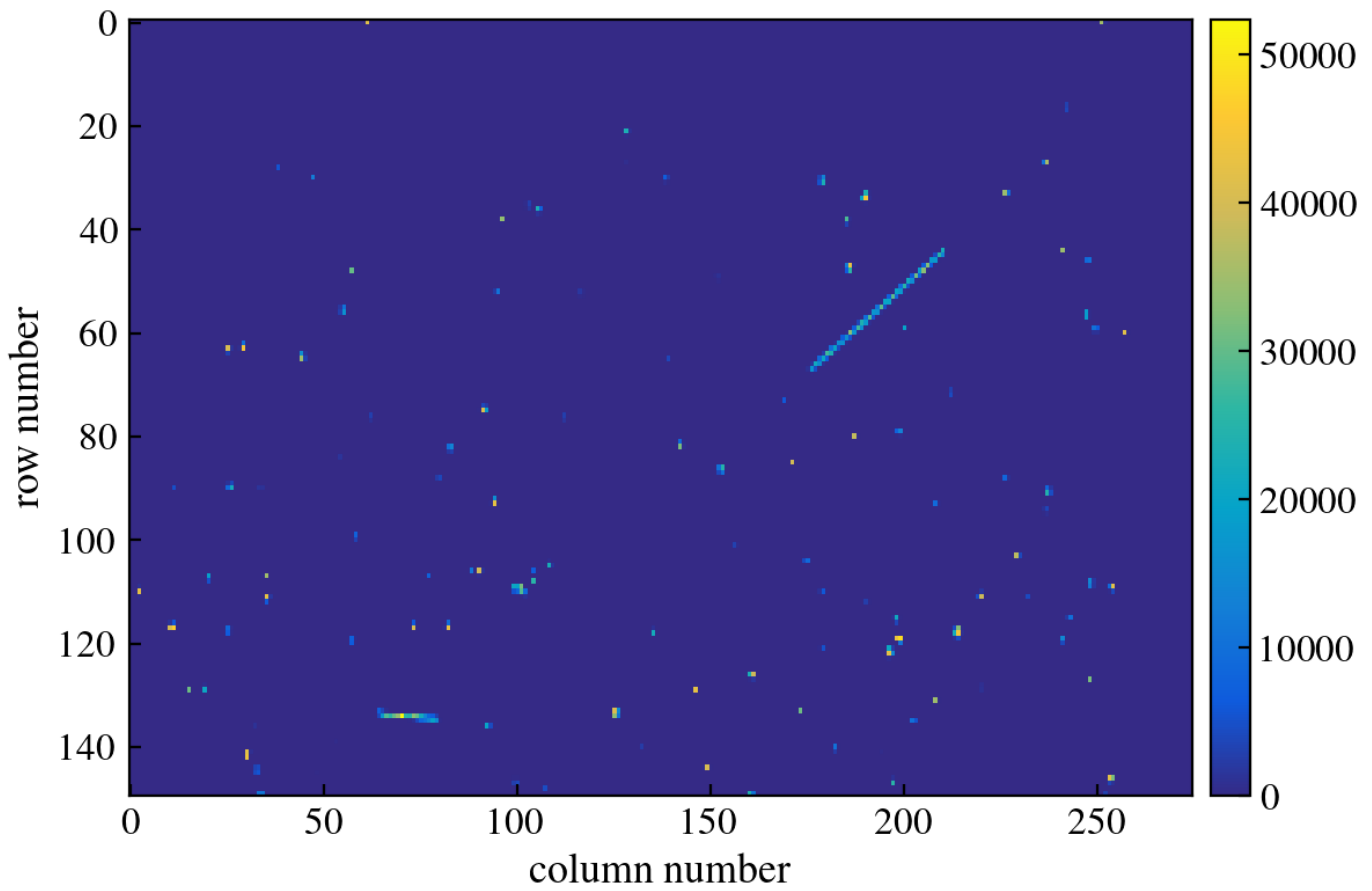


Figure 239: CCD Image

CCD Image: run 154, image 286  
[class MECCDImage]

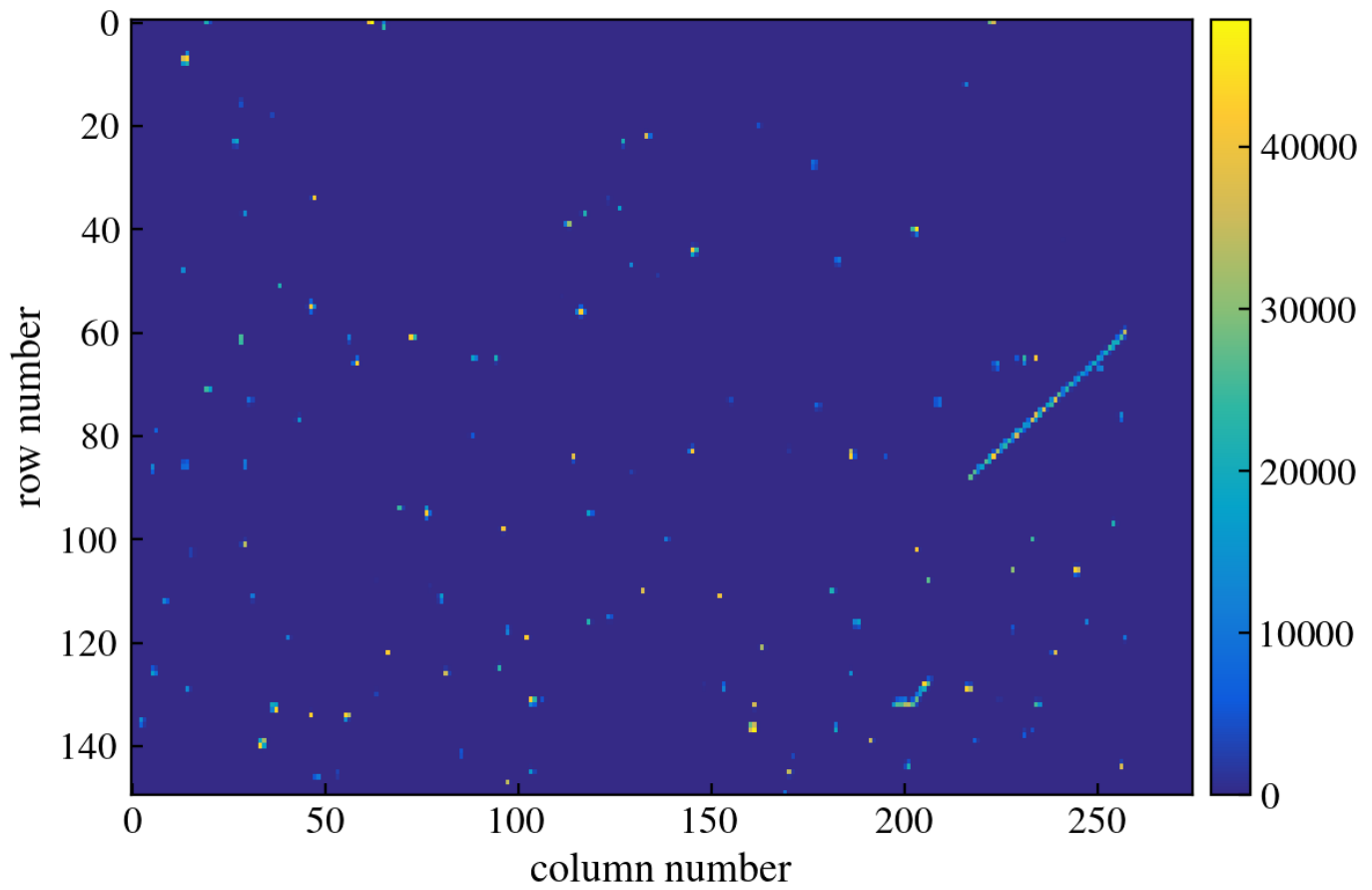


Figure 240: CCD Image

CCD Image: run 154, image 287  
[class MECCDImage]

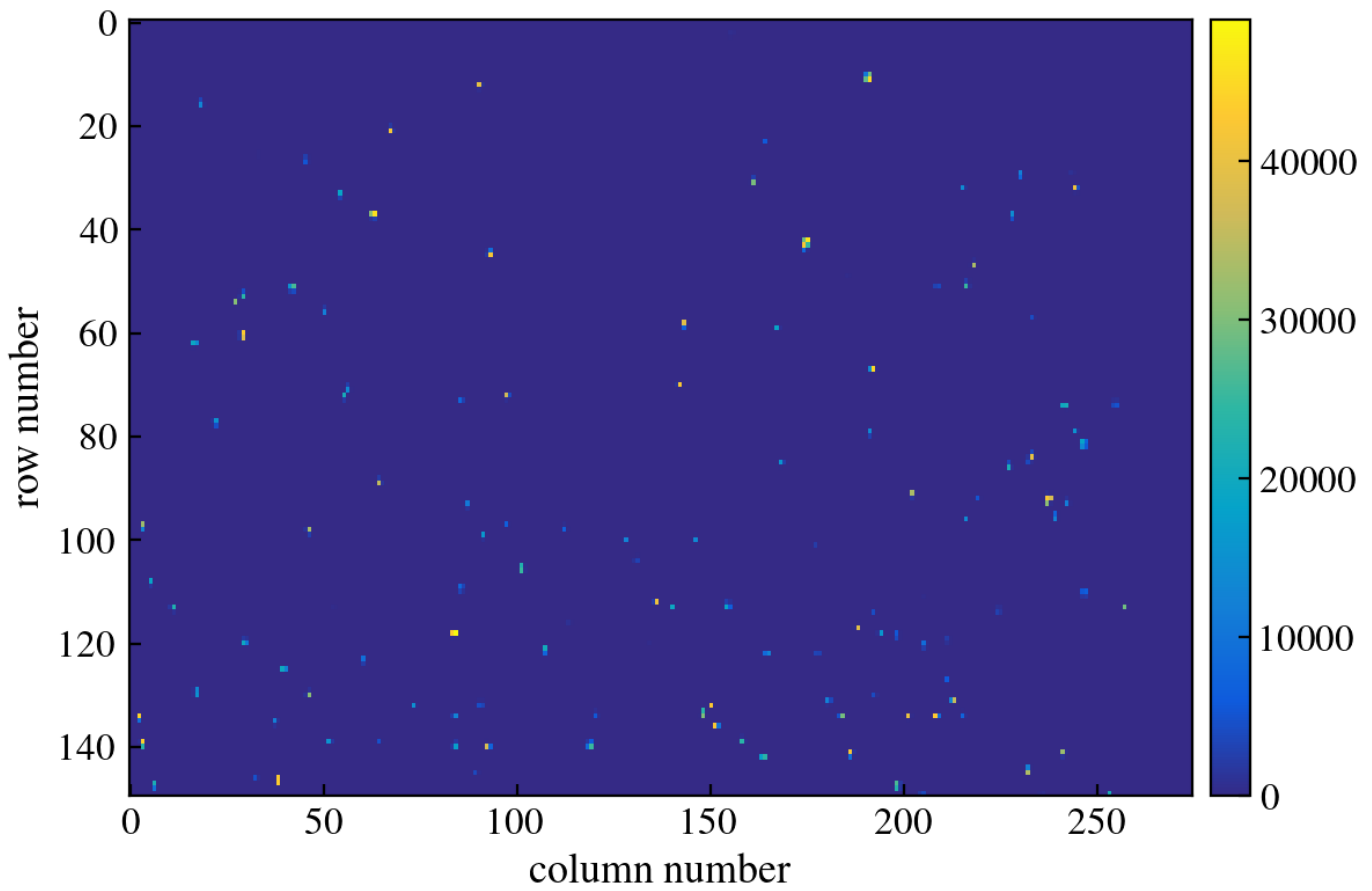


Figure 241: CCD Image

CCD Image: run 154, image 288  
[class MECCDImage]

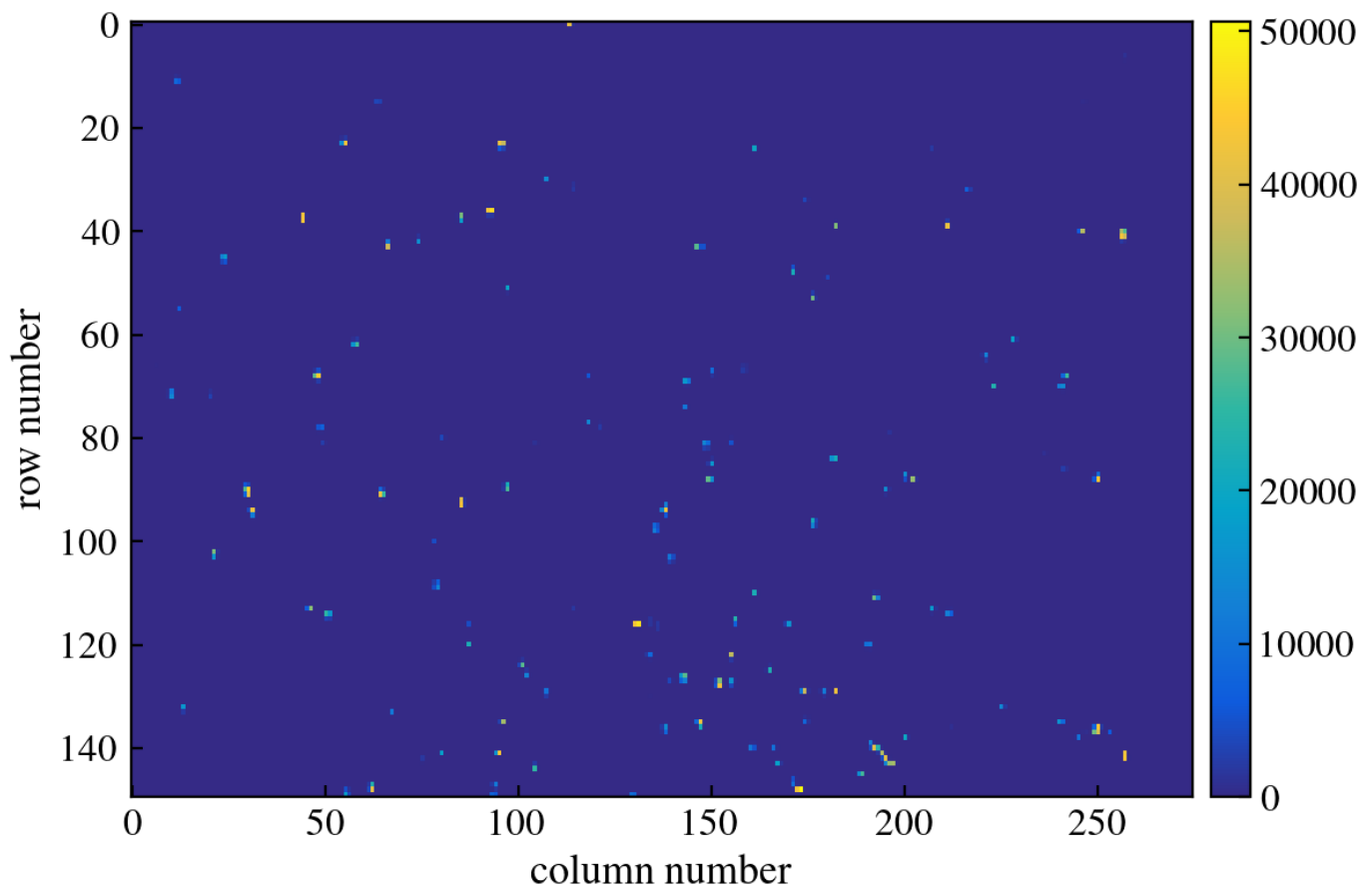


Figure 242: CCD Image

CCD Image: run 154, image 289  
[class MECCDImage]

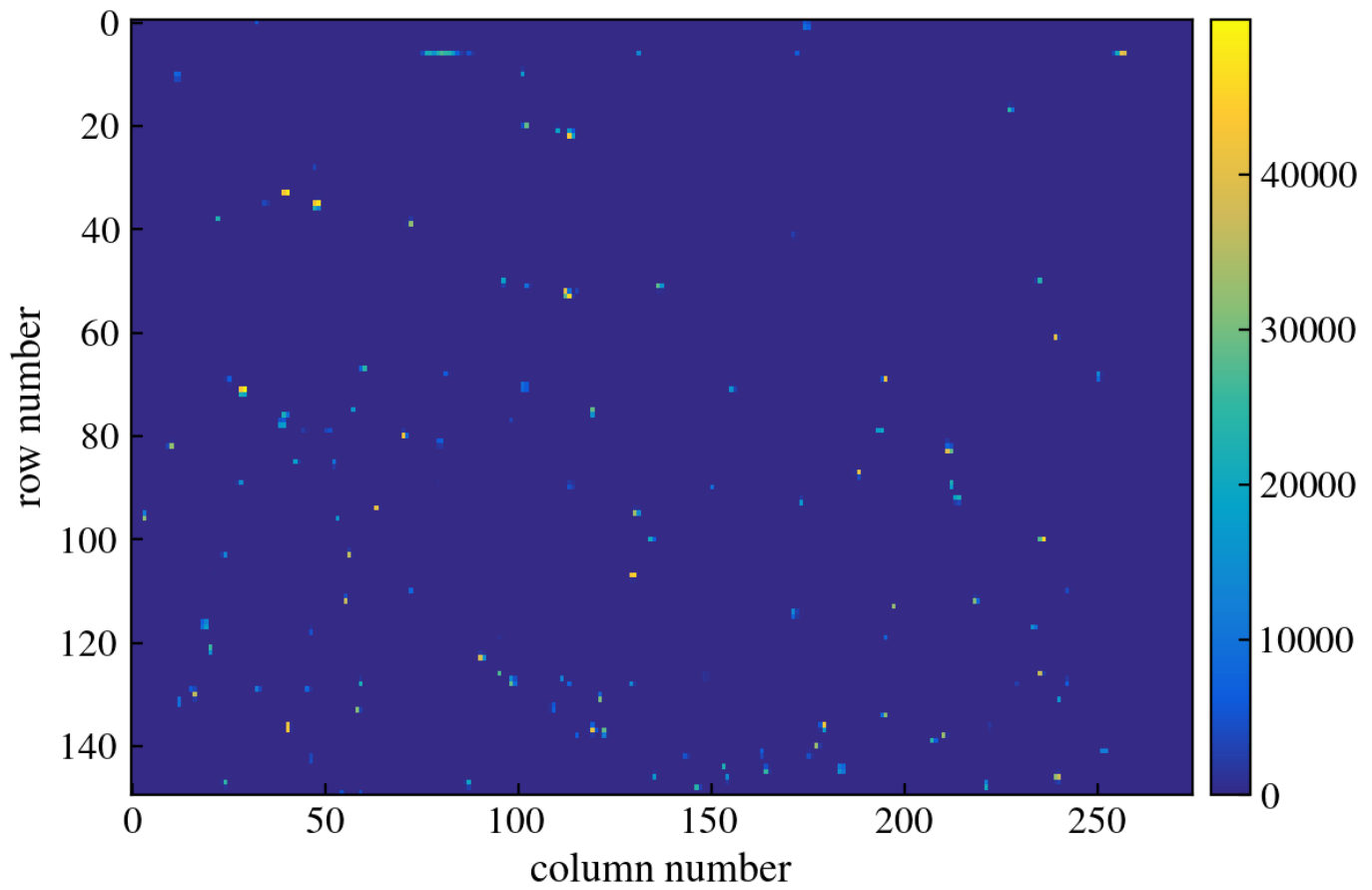


Figure 243: CCD Image



CCD Image: run 154, image 29  
[class MECCDImage]

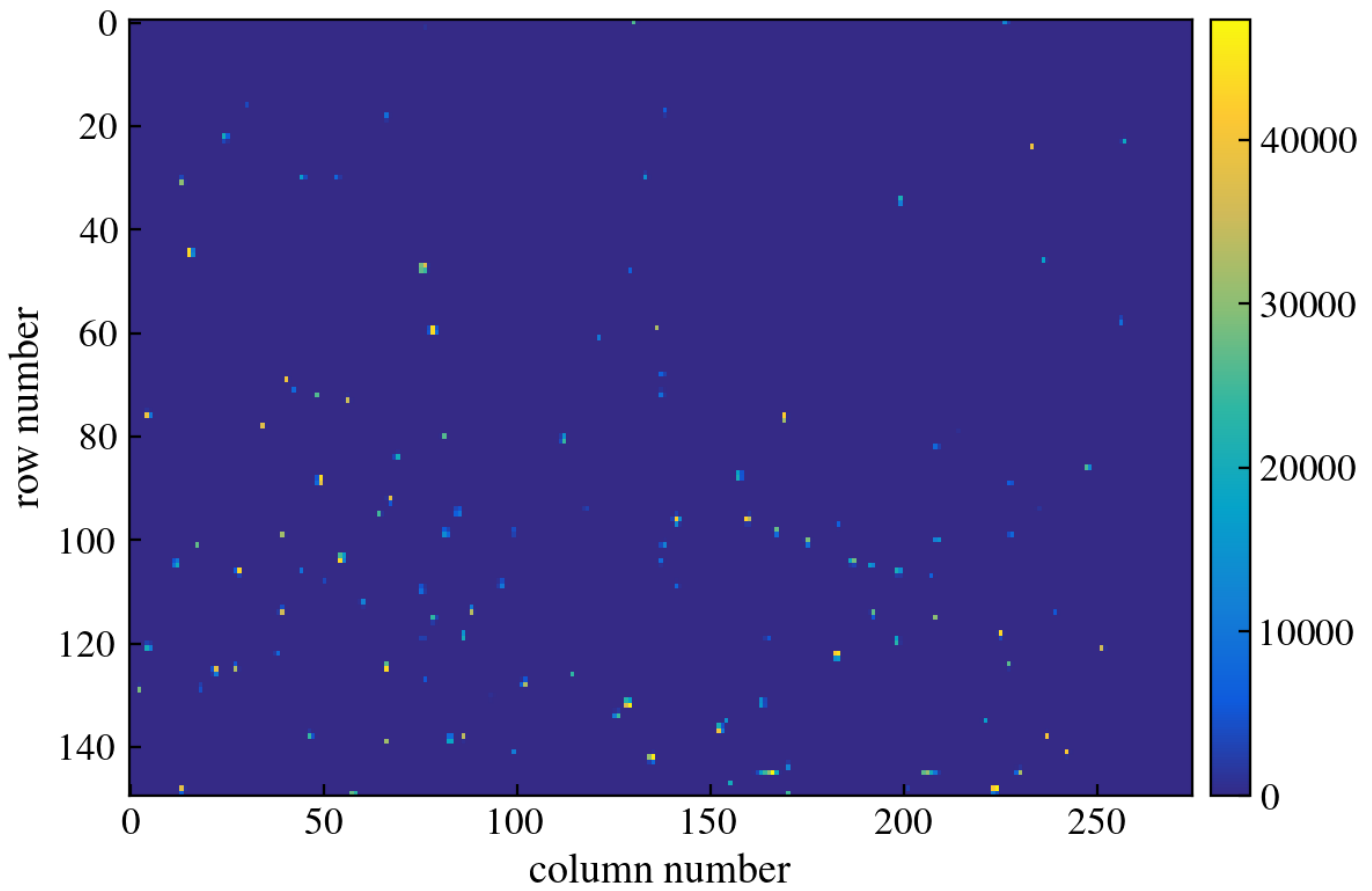


Figure 244: CCD Image

CCD Image: run 154, image 290  
[class MECCDImage]

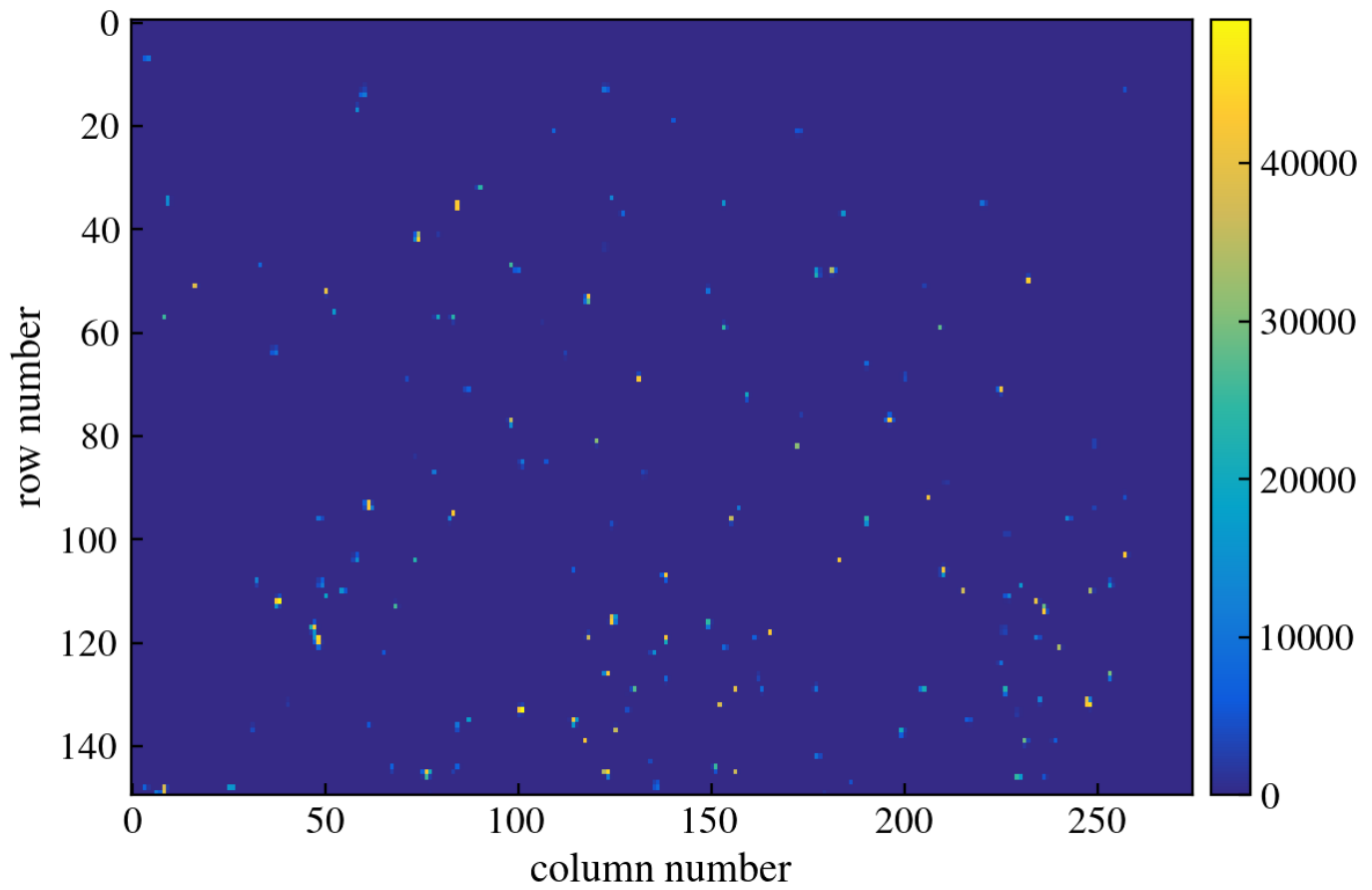


Figure 245: CCD Image

CCD Image: run 154, image 291  
[class MECCDImage]

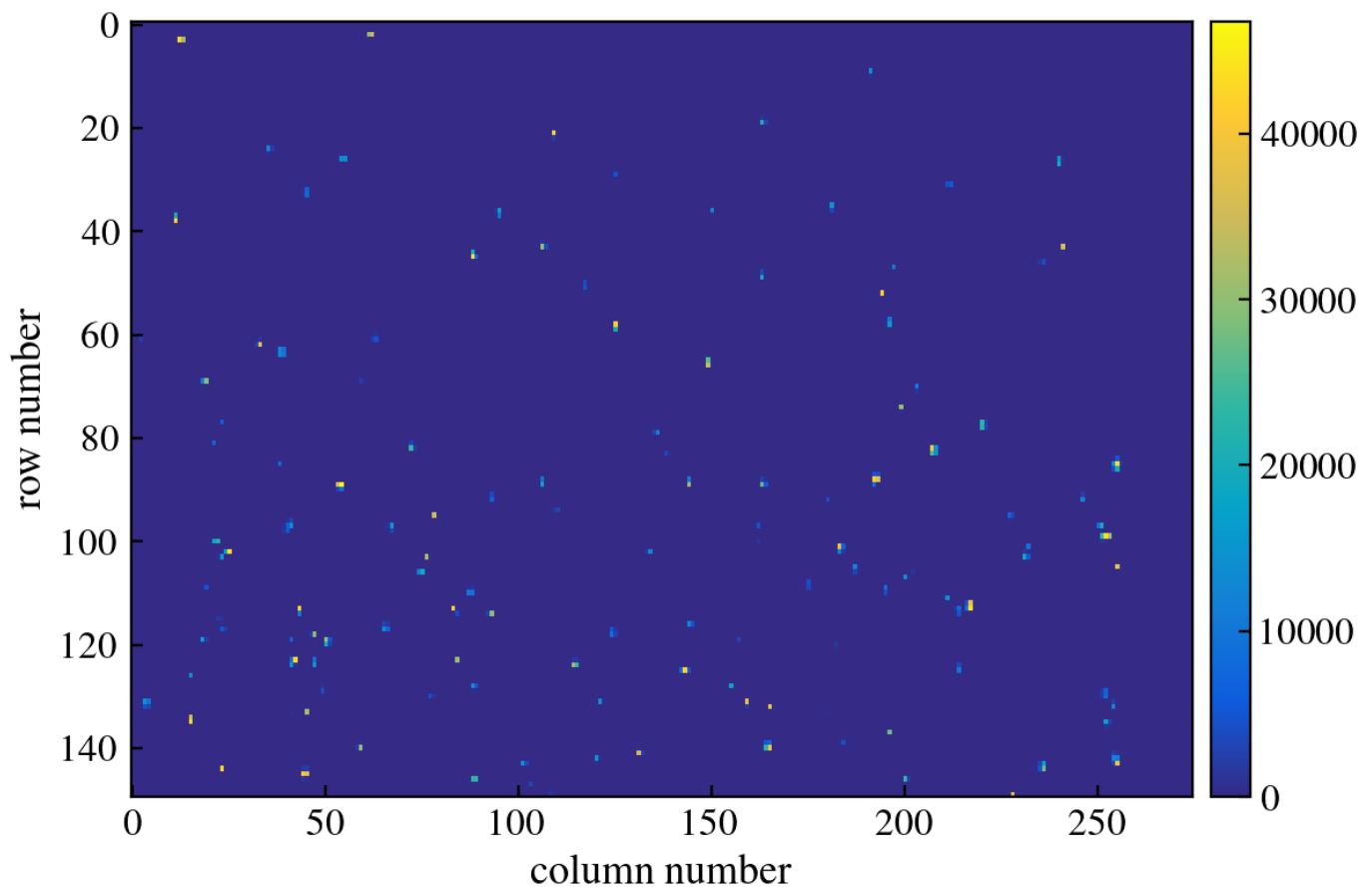


Figure 246: CCD Image

CCD Image: run 154, image 292  
[class MECCDImage]

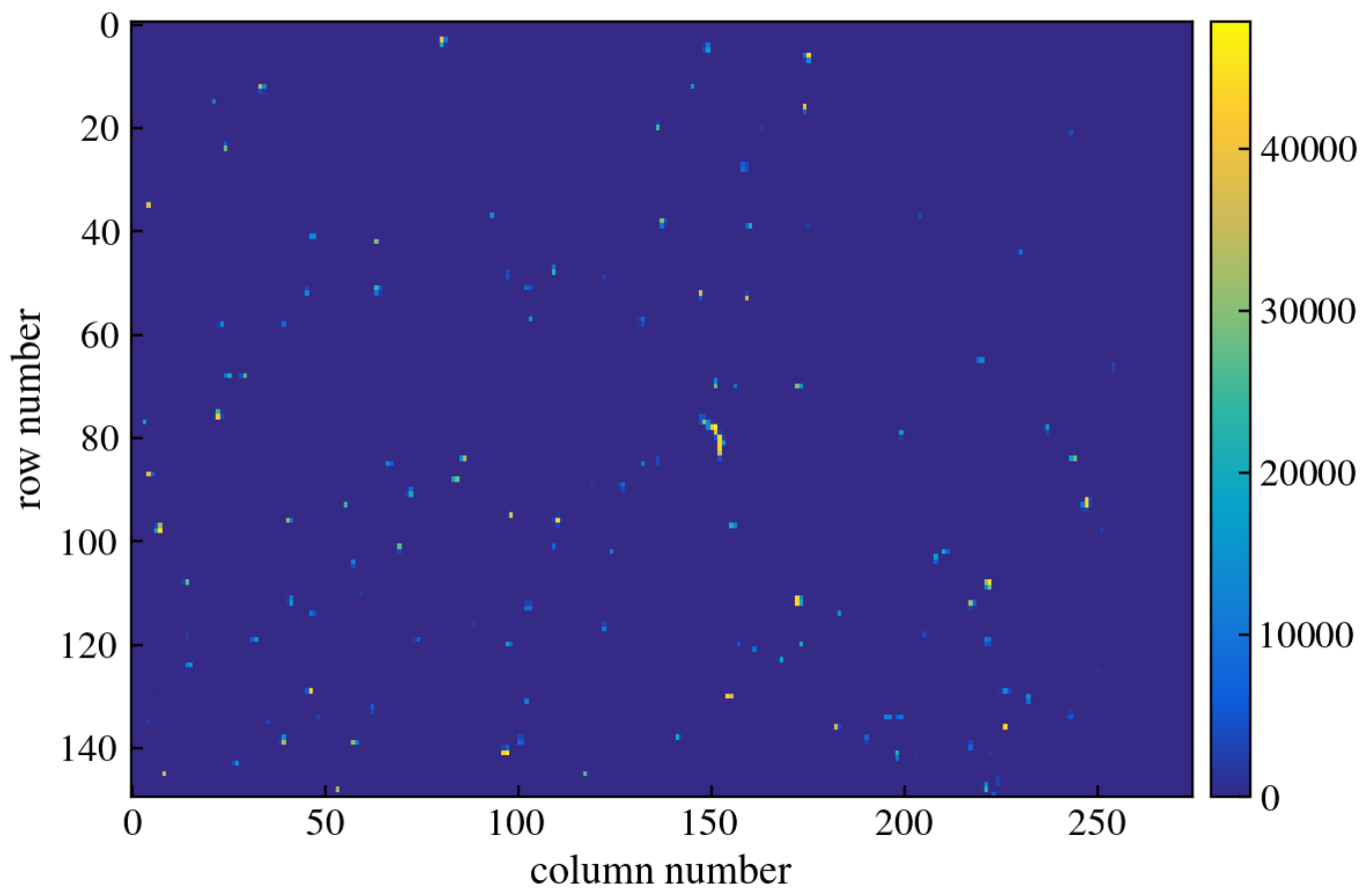


Figure 247: CCD Image

CCD Image: run 154, image 293  
[class MECCDImage]

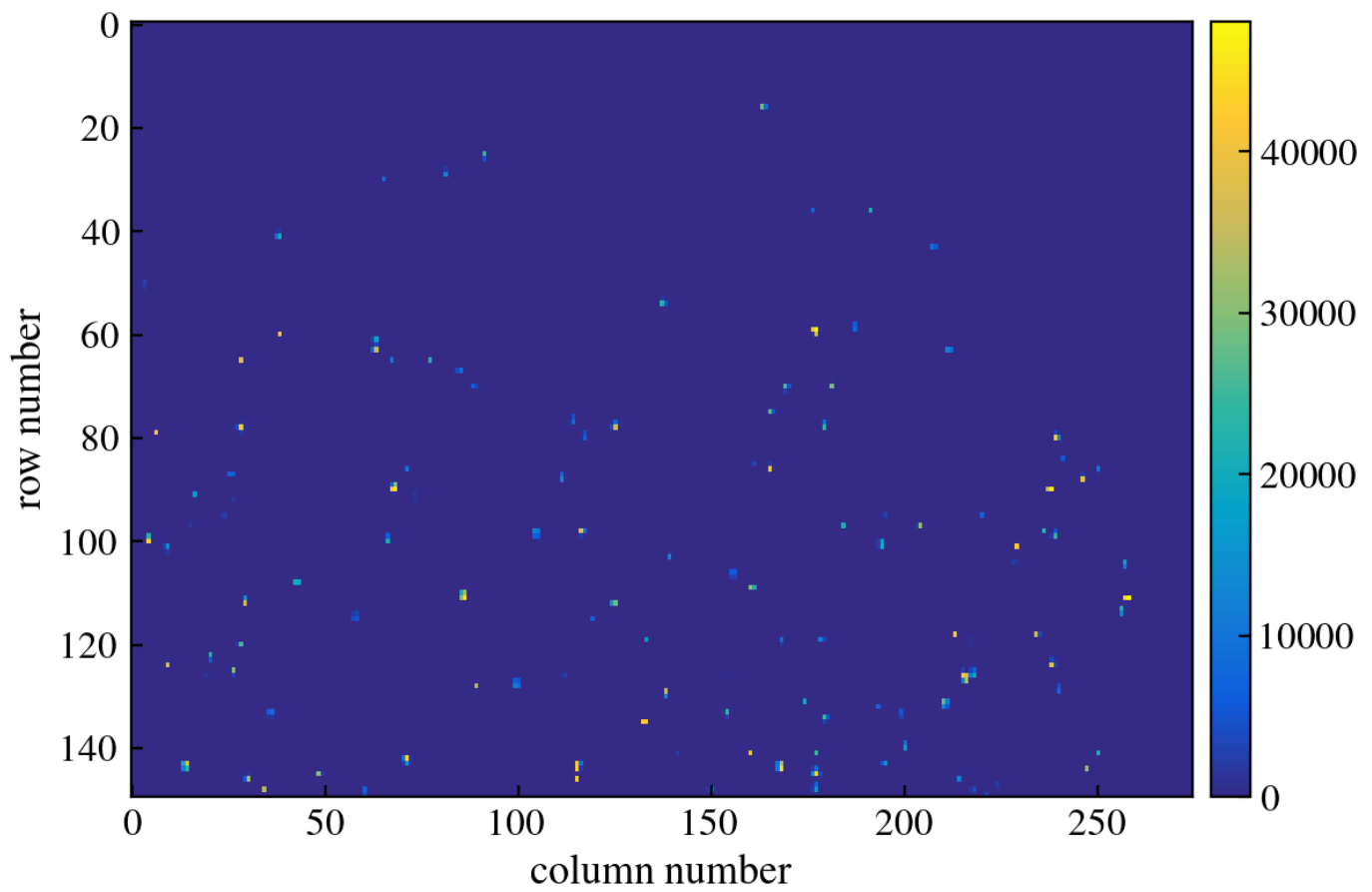


Figure 248: CCD Image

CCD Image: run 154, image 294  
[class MECCDImage]

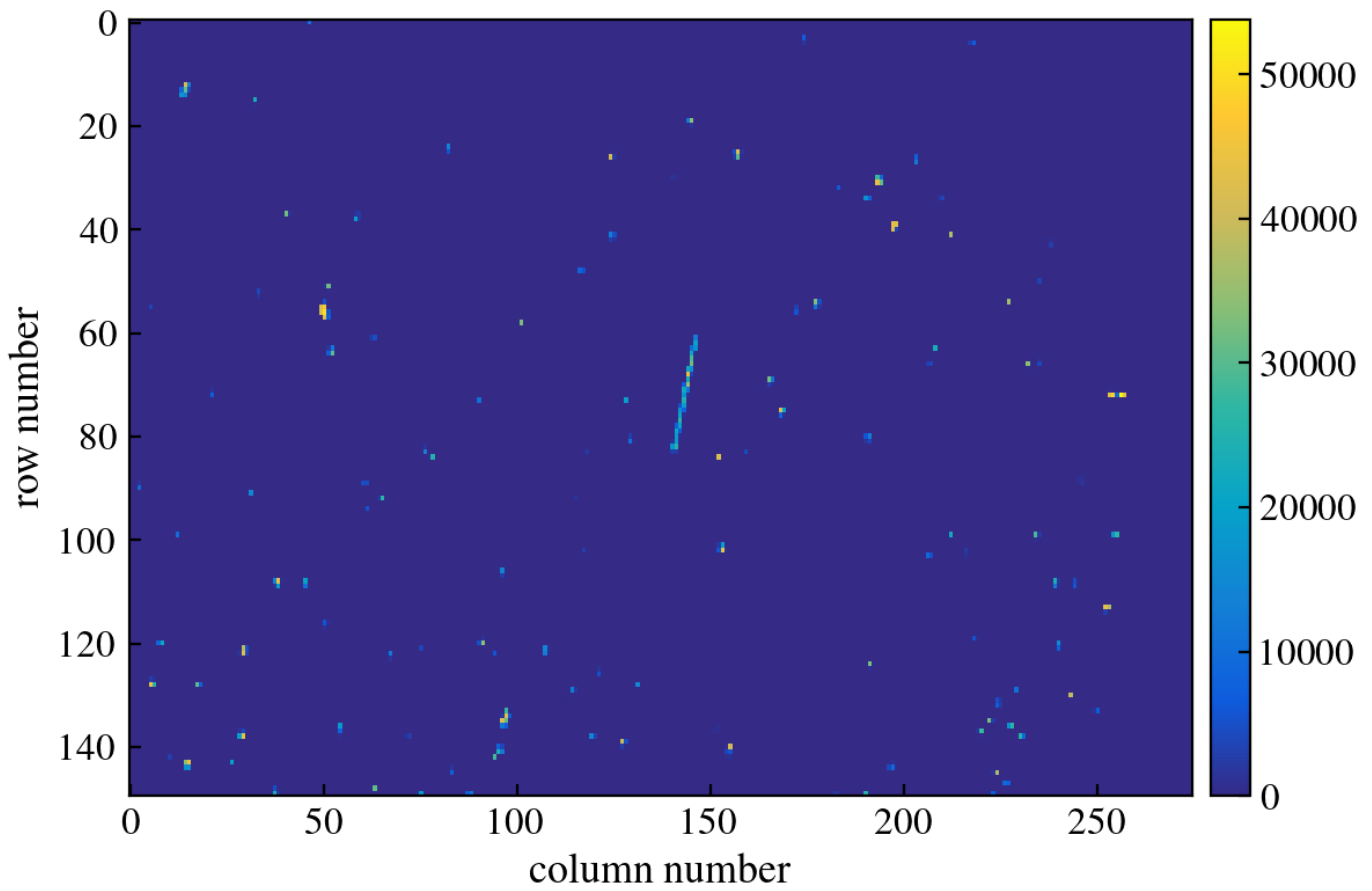


Figure 249: CCD Image

CCD Image: run 154, image 295  
[class MECCDImage]

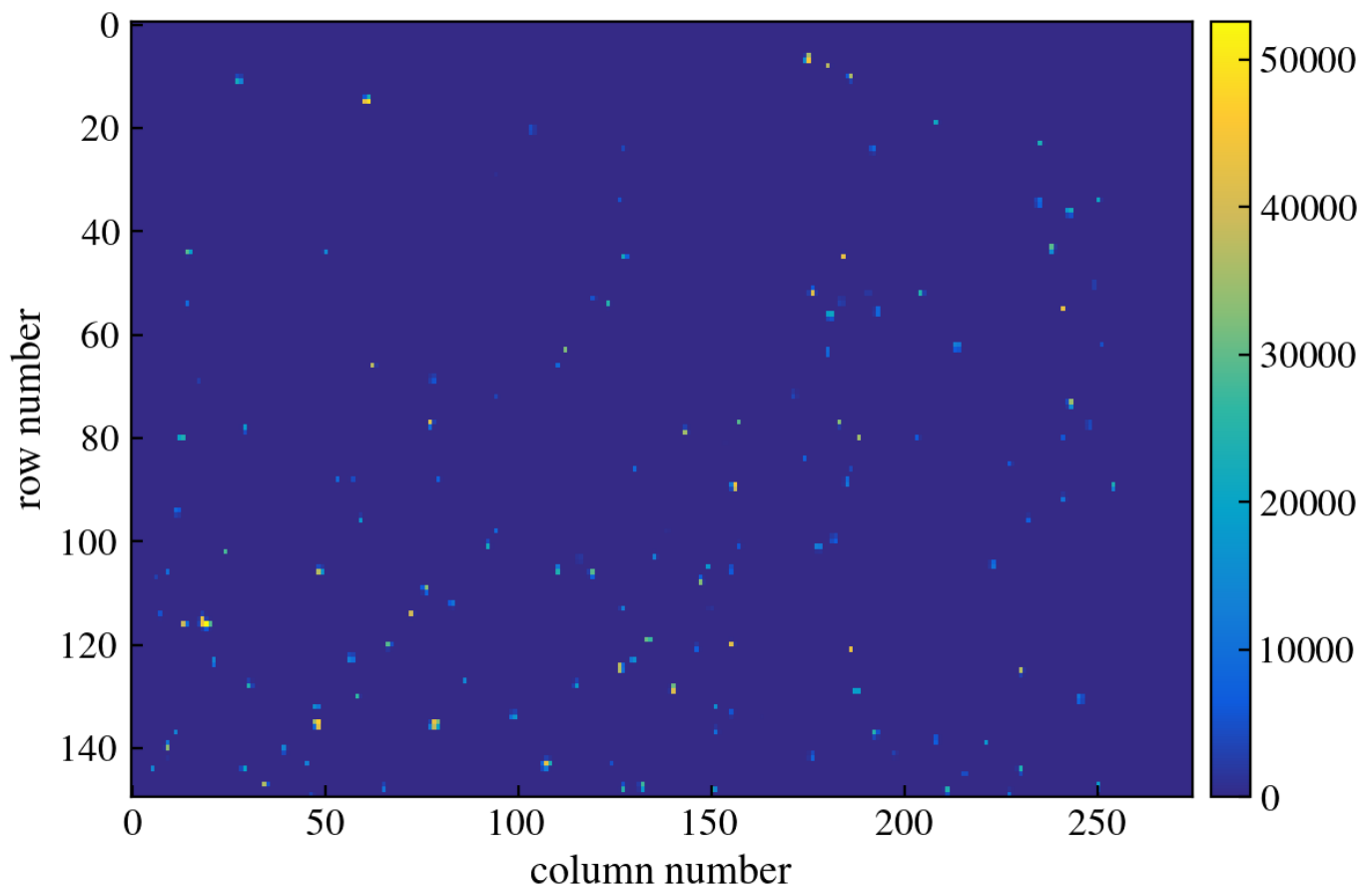


Figure 250: CCD Image

CCD Image: run 154, image 296  
[class MECCDImage]

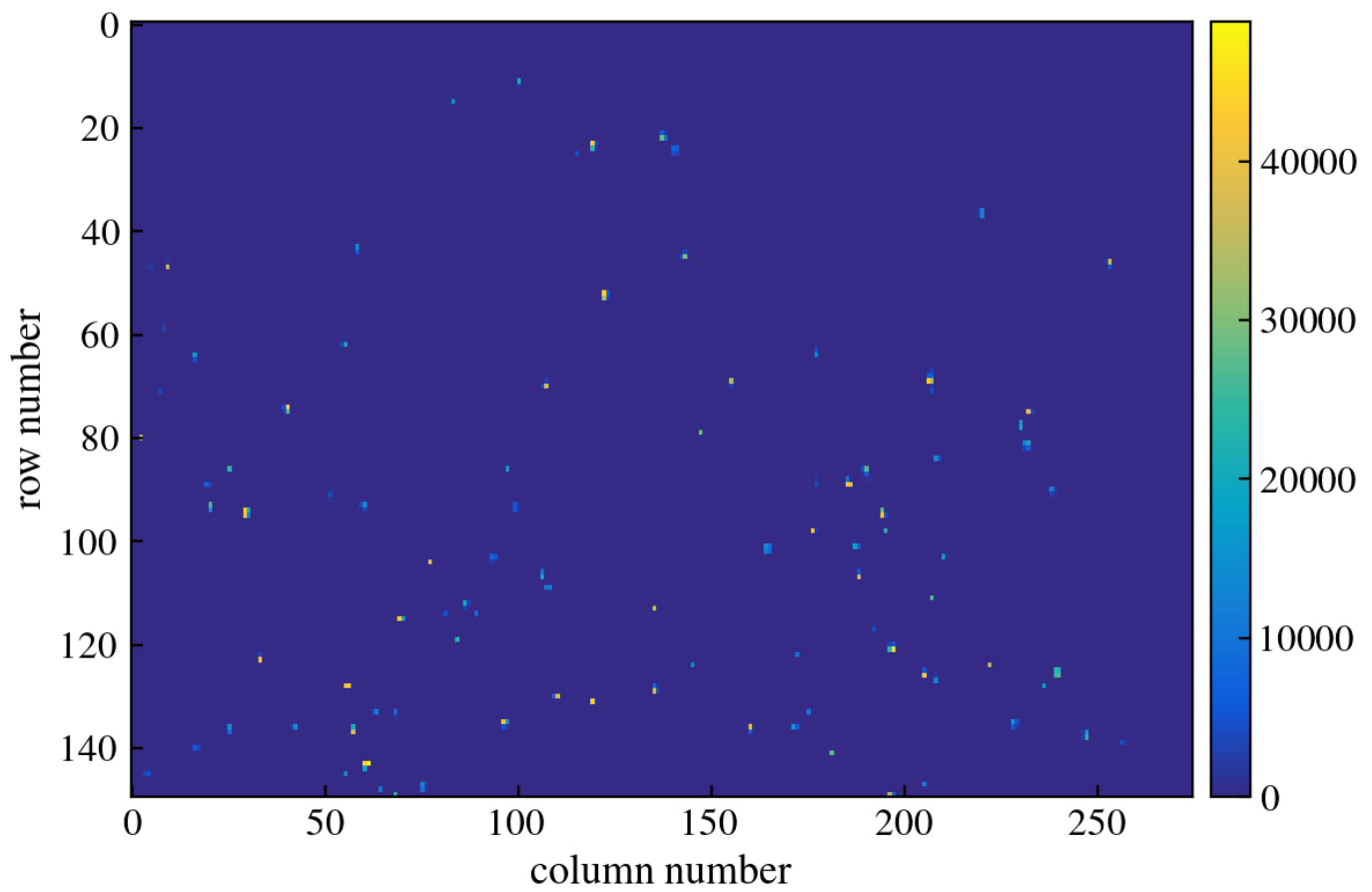


Figure 251: CCD Image



CCD Image: run 154, image 297  
[class MECCDImage]

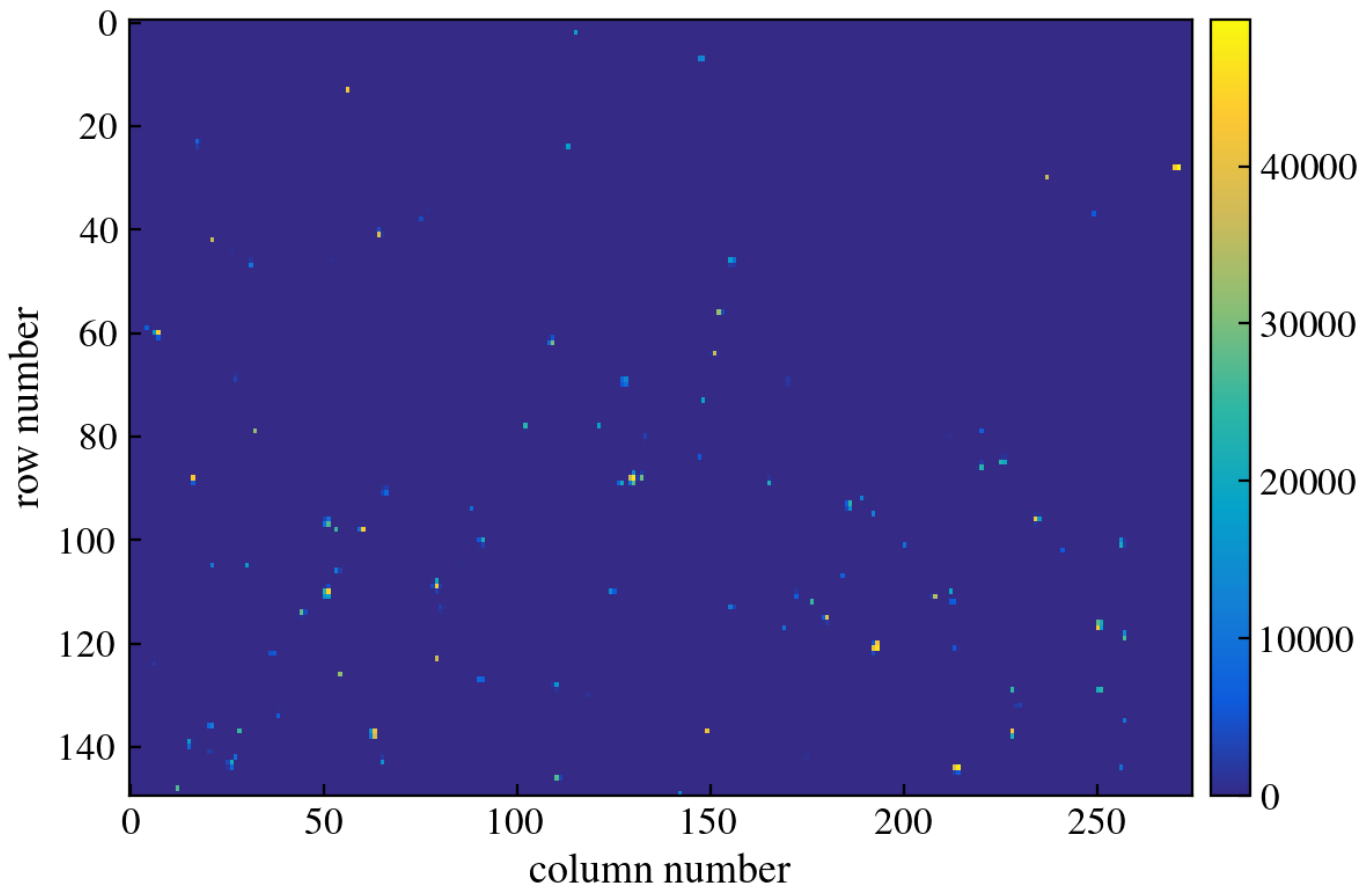


Figure 252: CCD Image

CCD Image: run 154, image 298  
[class MECCDImage]

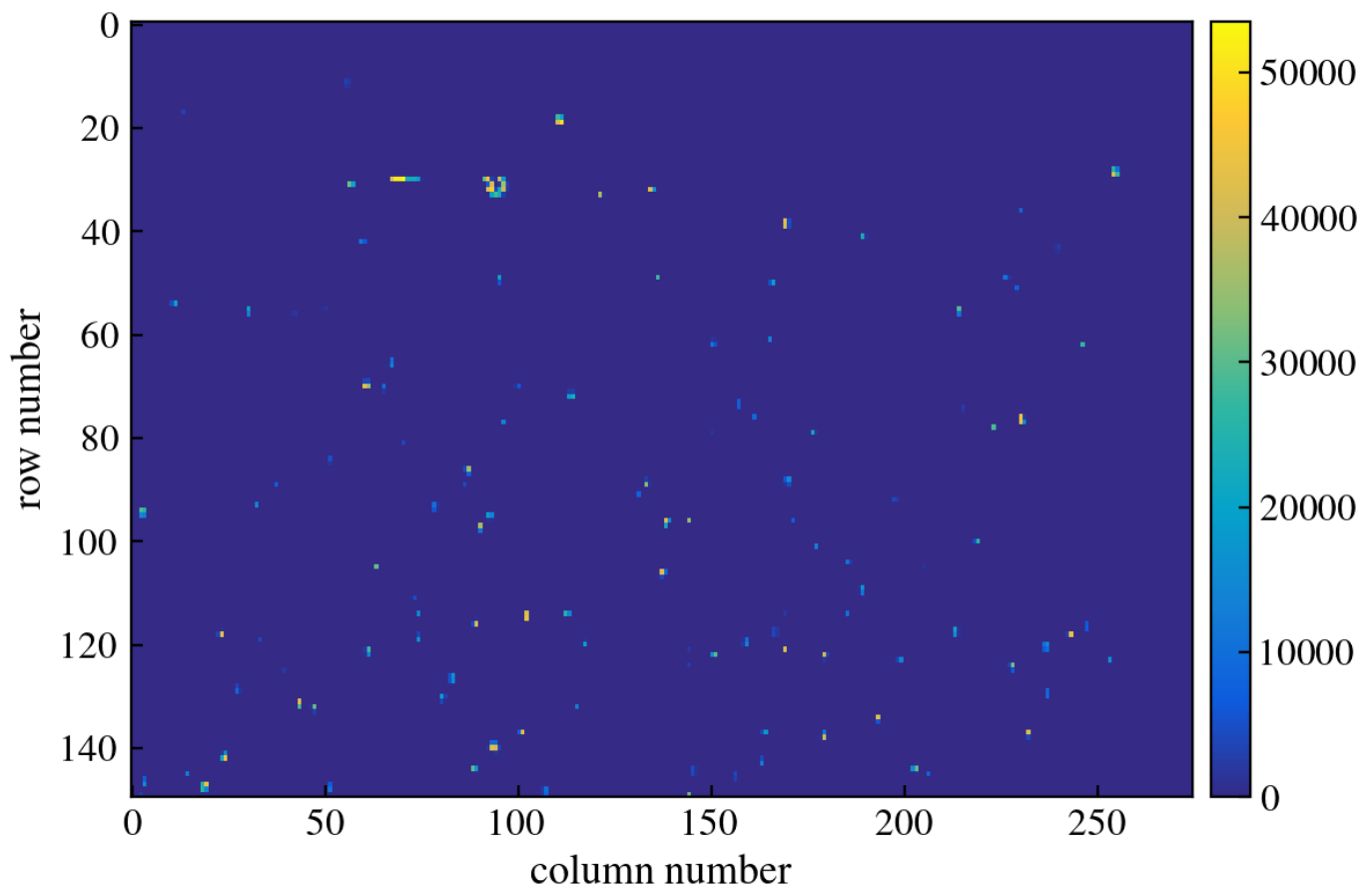


Figure 253: CCD Image

CCD Image: run 154, image 299  
[class MECCDImage]

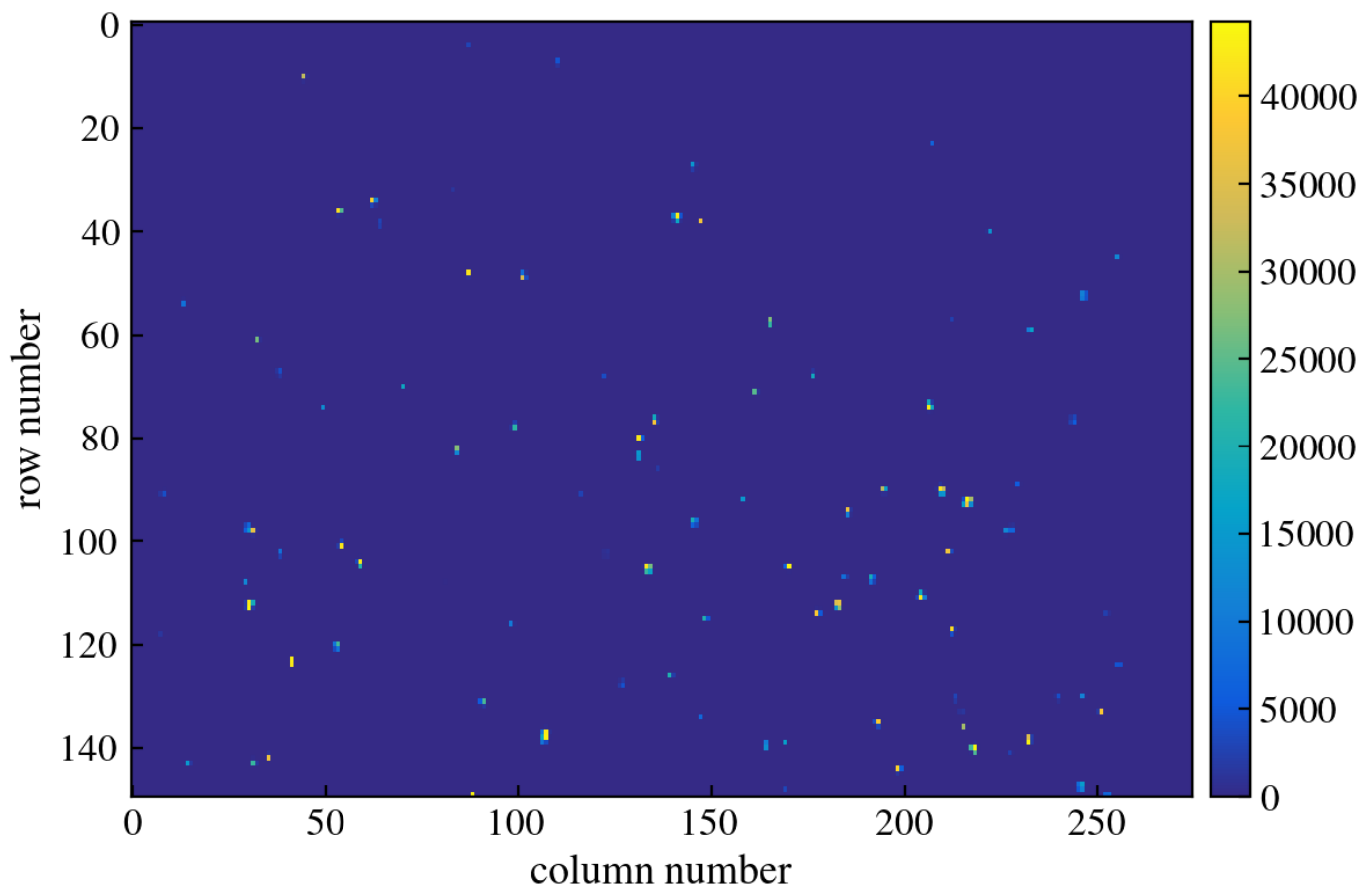


Figure 254: CCD Image

CCD Image: run 154, image 3  
[class MECCDImage]

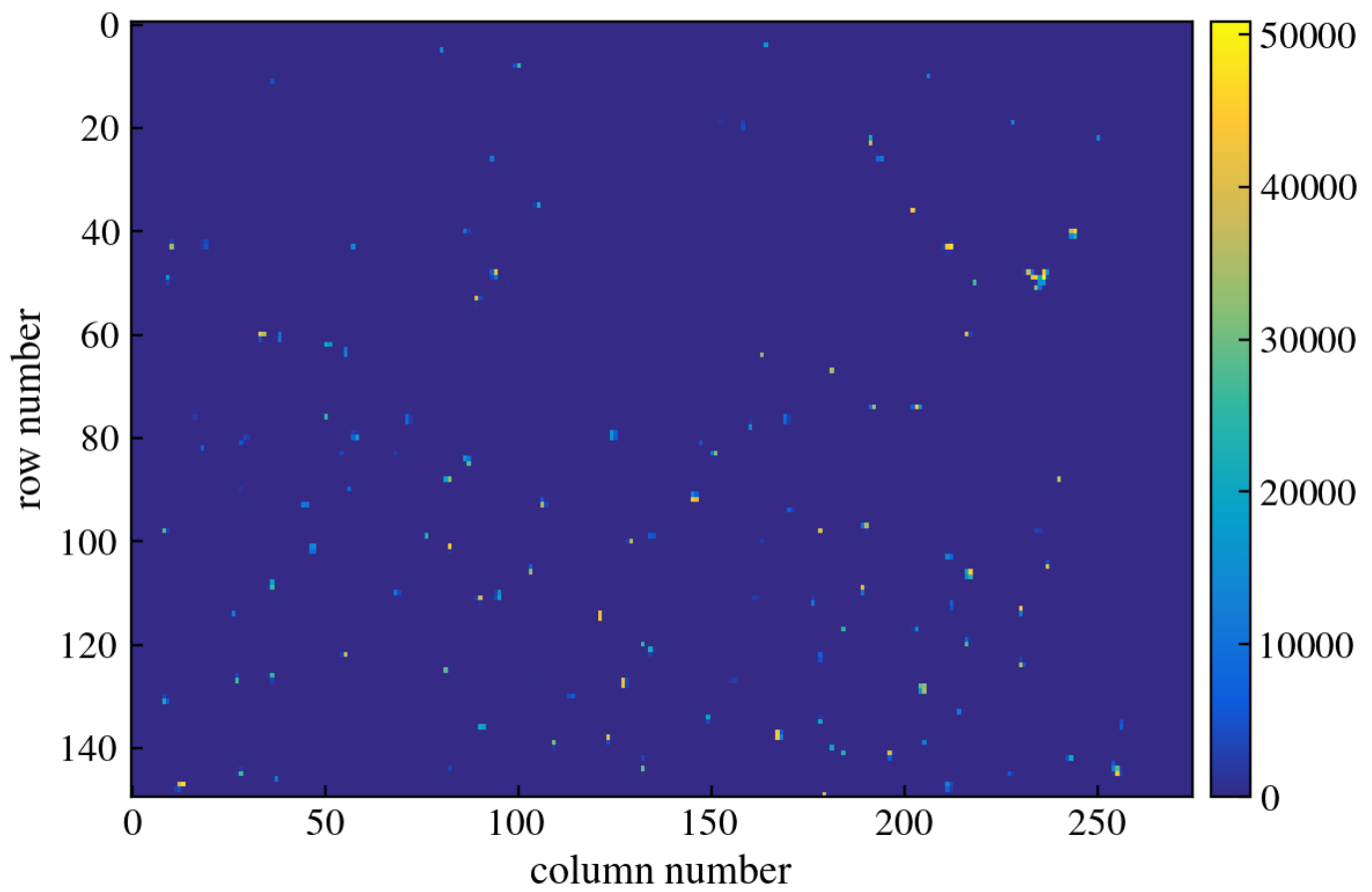


Figure 255: CCD Image

CCD Image: run 154, image 30  
[class MECCDImage]

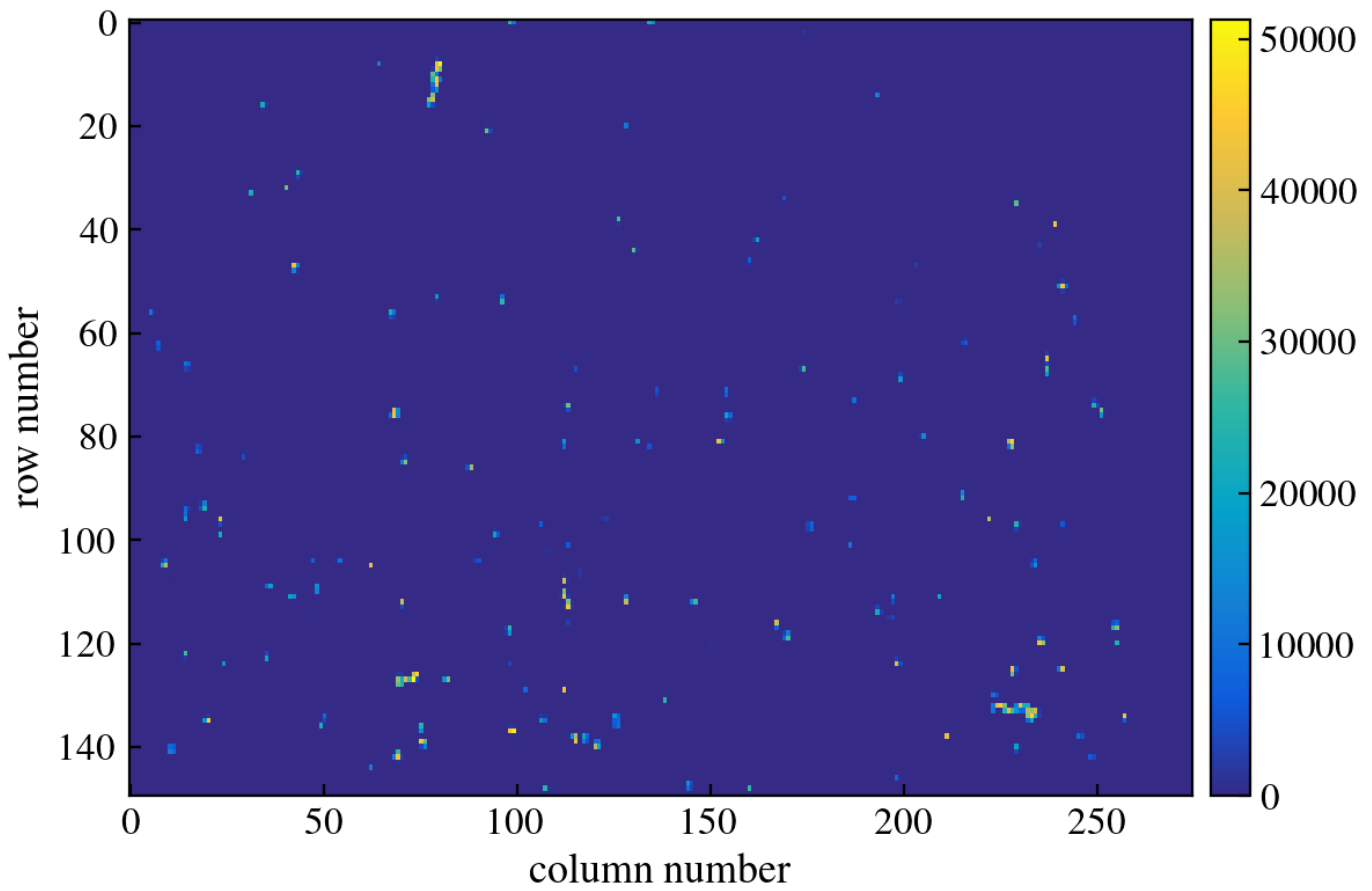


Figure 256: CCD Image

CCD Image: run 154, image 300  
[class MECCDImage]

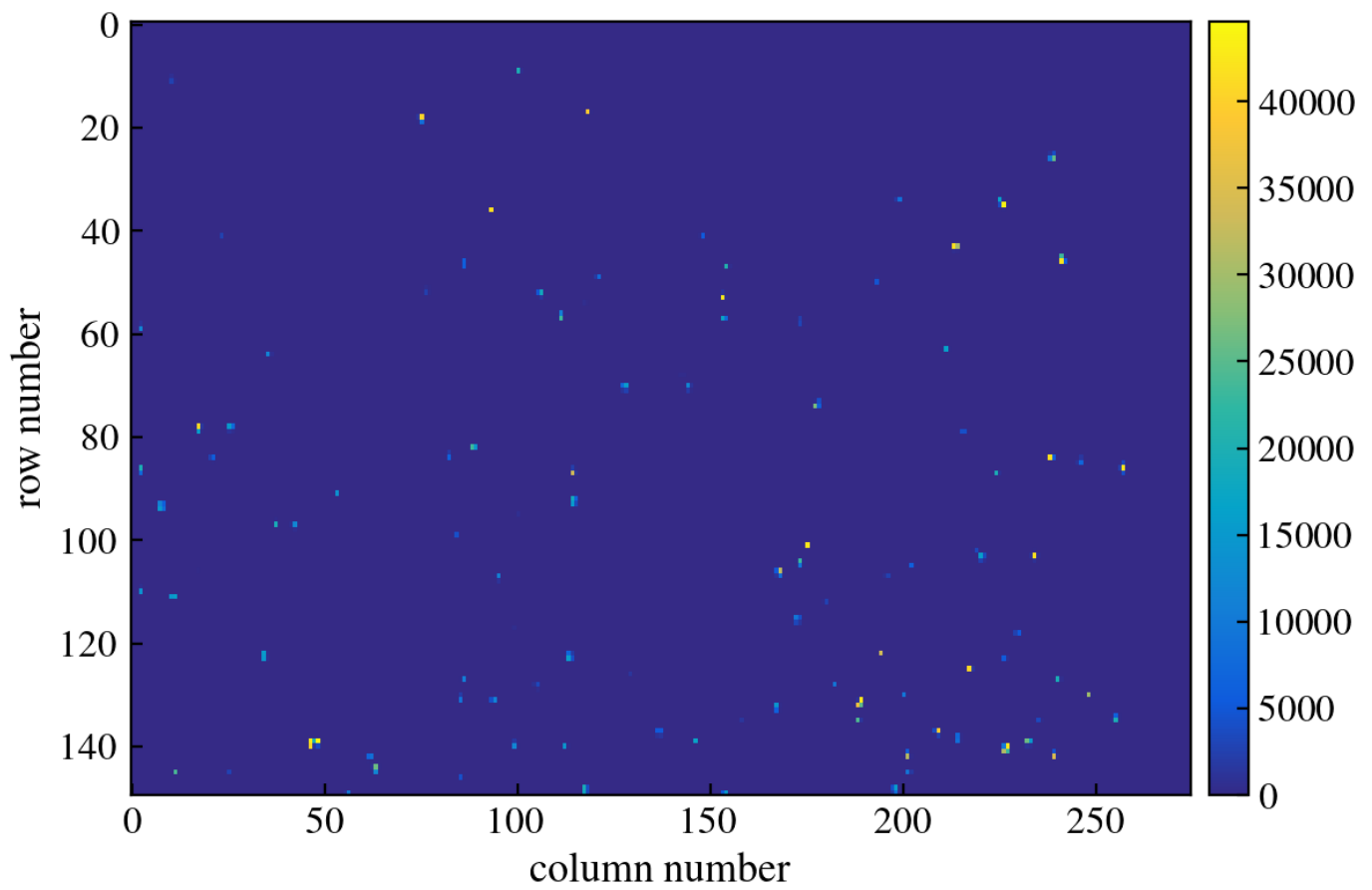


Figure 257: CCD Image

CCD Image: run 154, image 301  
[class MECCDImage]

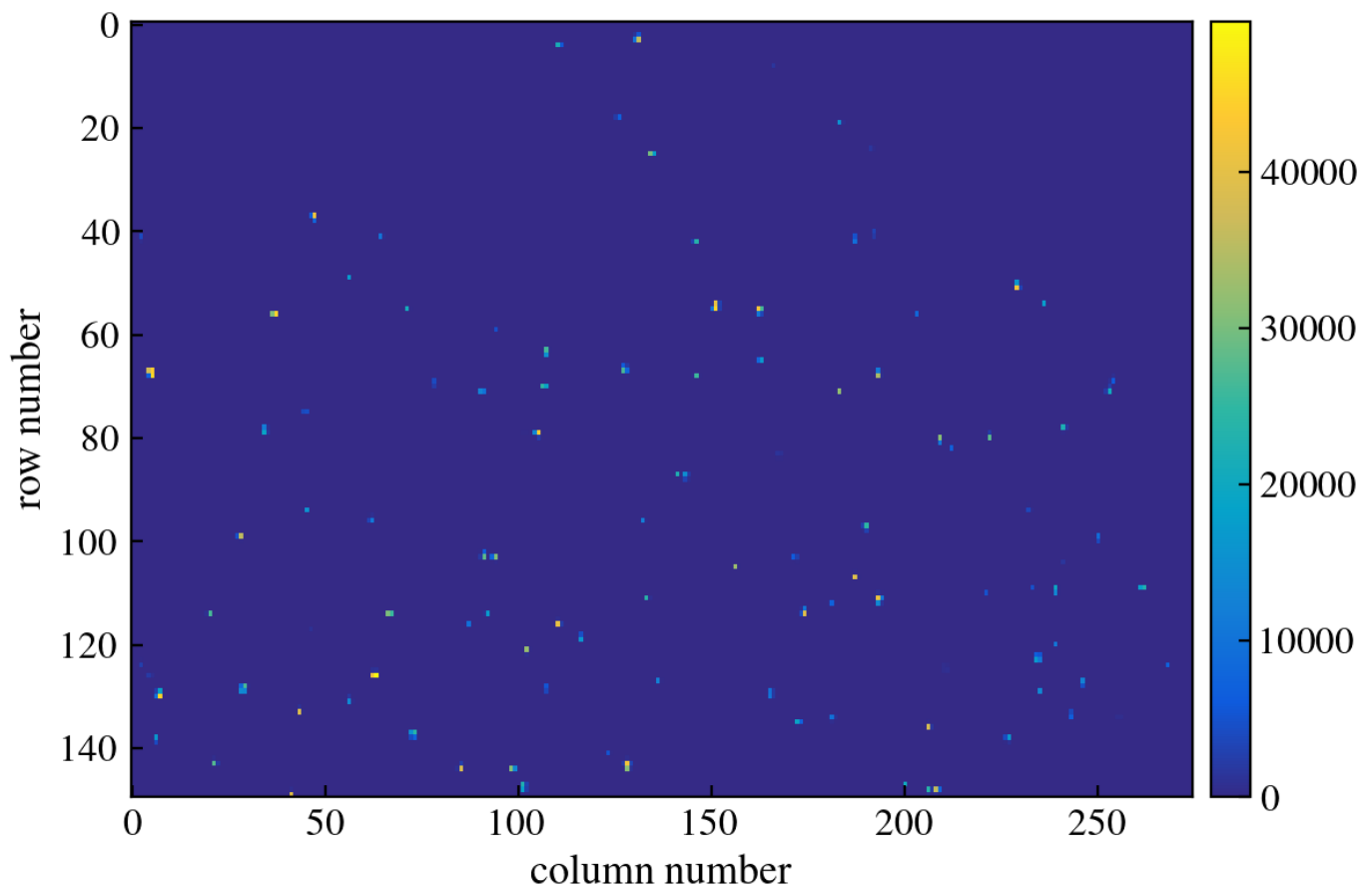


Figure 258: CCD Image

CCD Image: run 154, image 302  
[class MECCDImage]

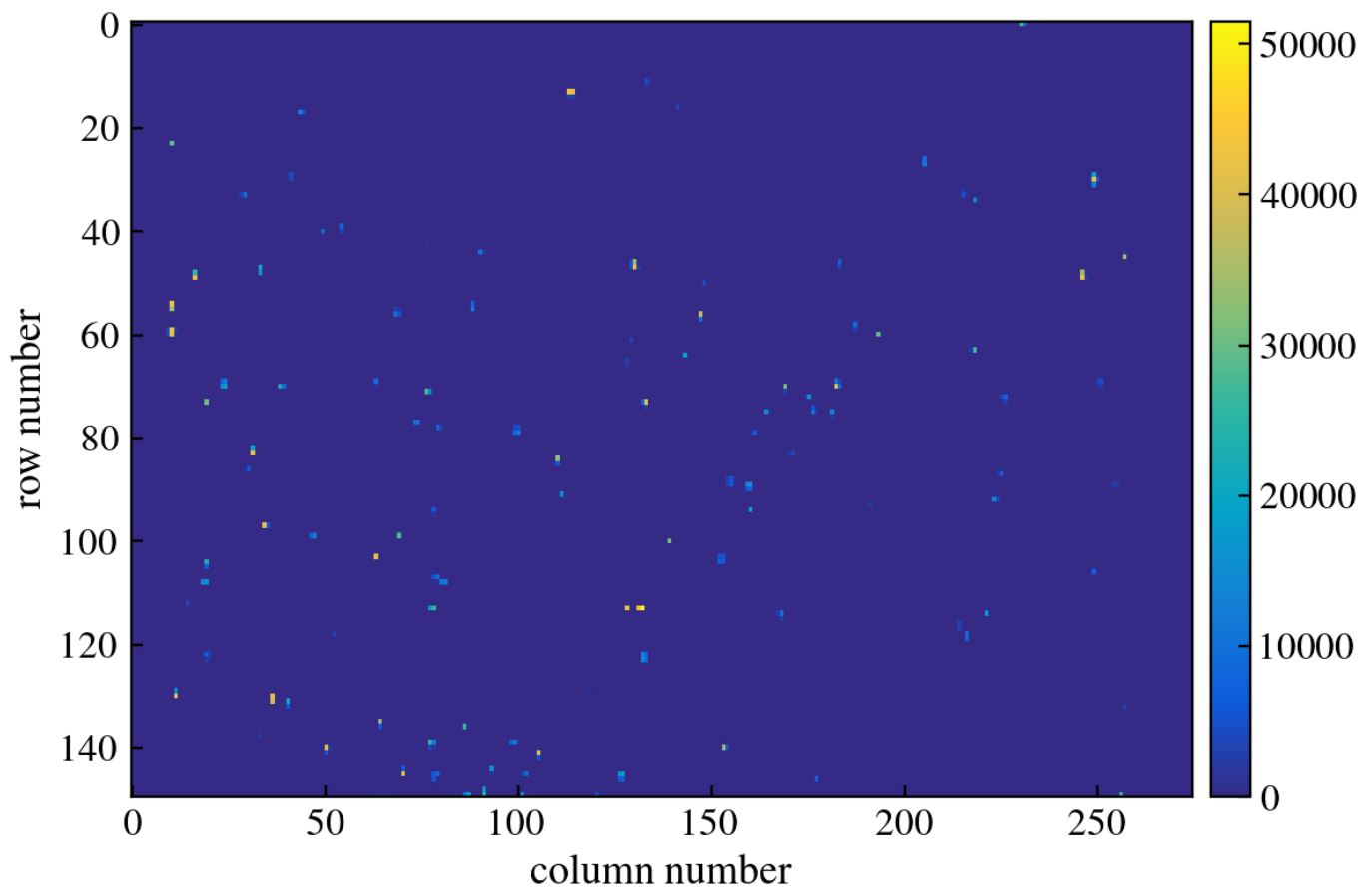


Figure 259: CCD Image



CCD Image: run 154, image 303  
[class MECCDImage]

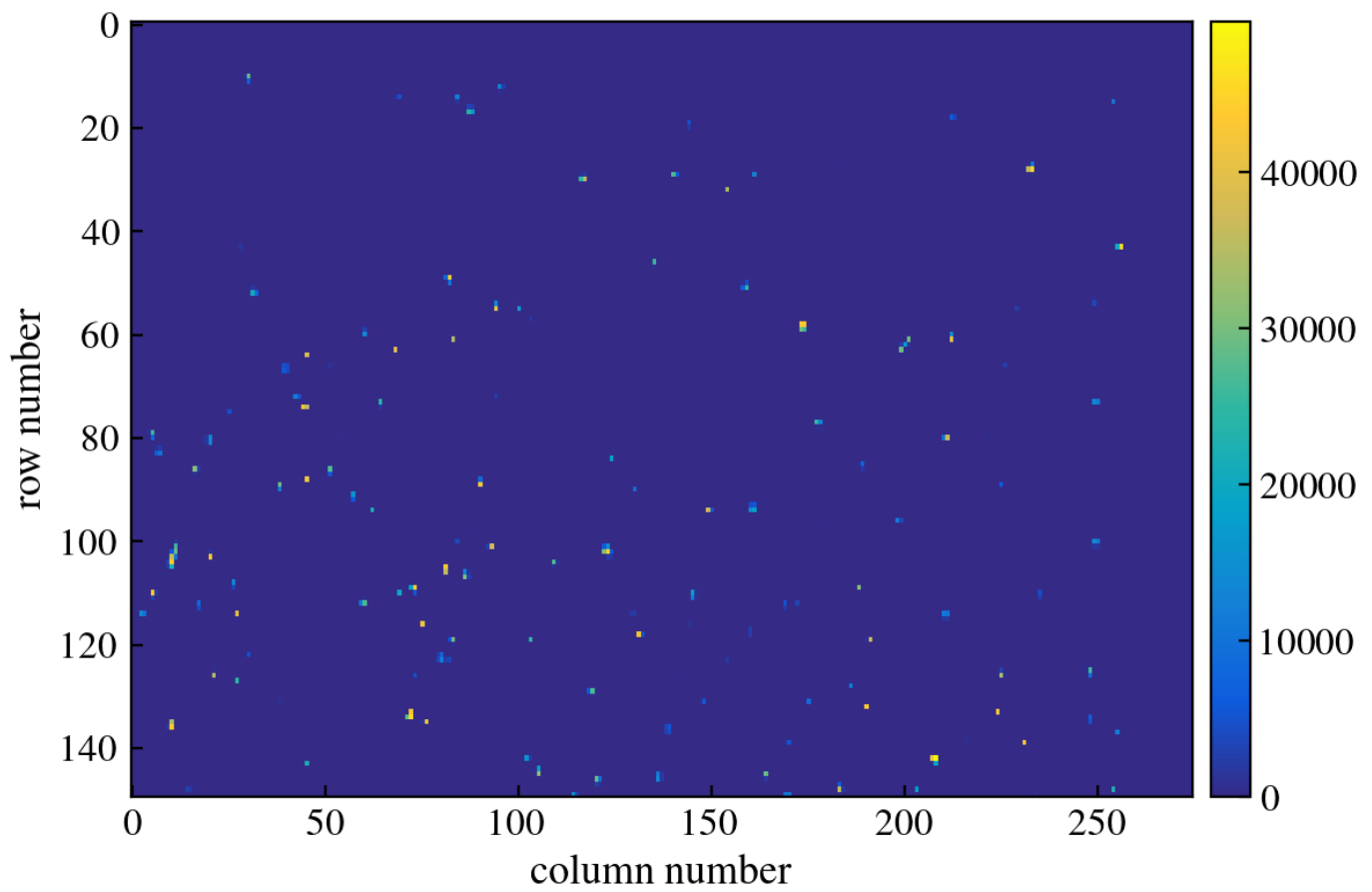


Figure 260: CCD Image

CCD Image: run 154, image 304  
[class MECCDImage]

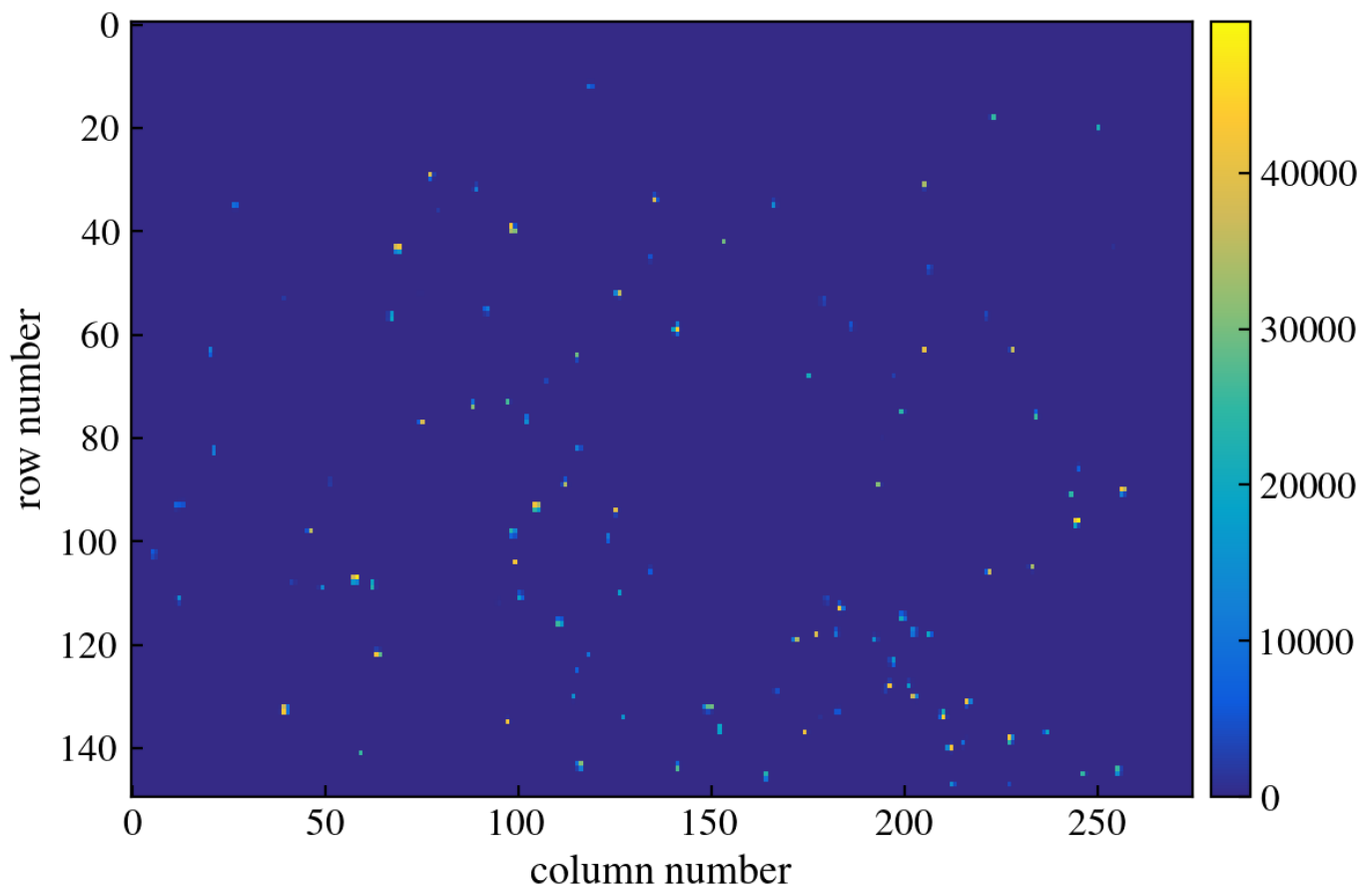


Figure 261: CCD Image

CCD Image: run 154, image 305  
[class MECCDImage]

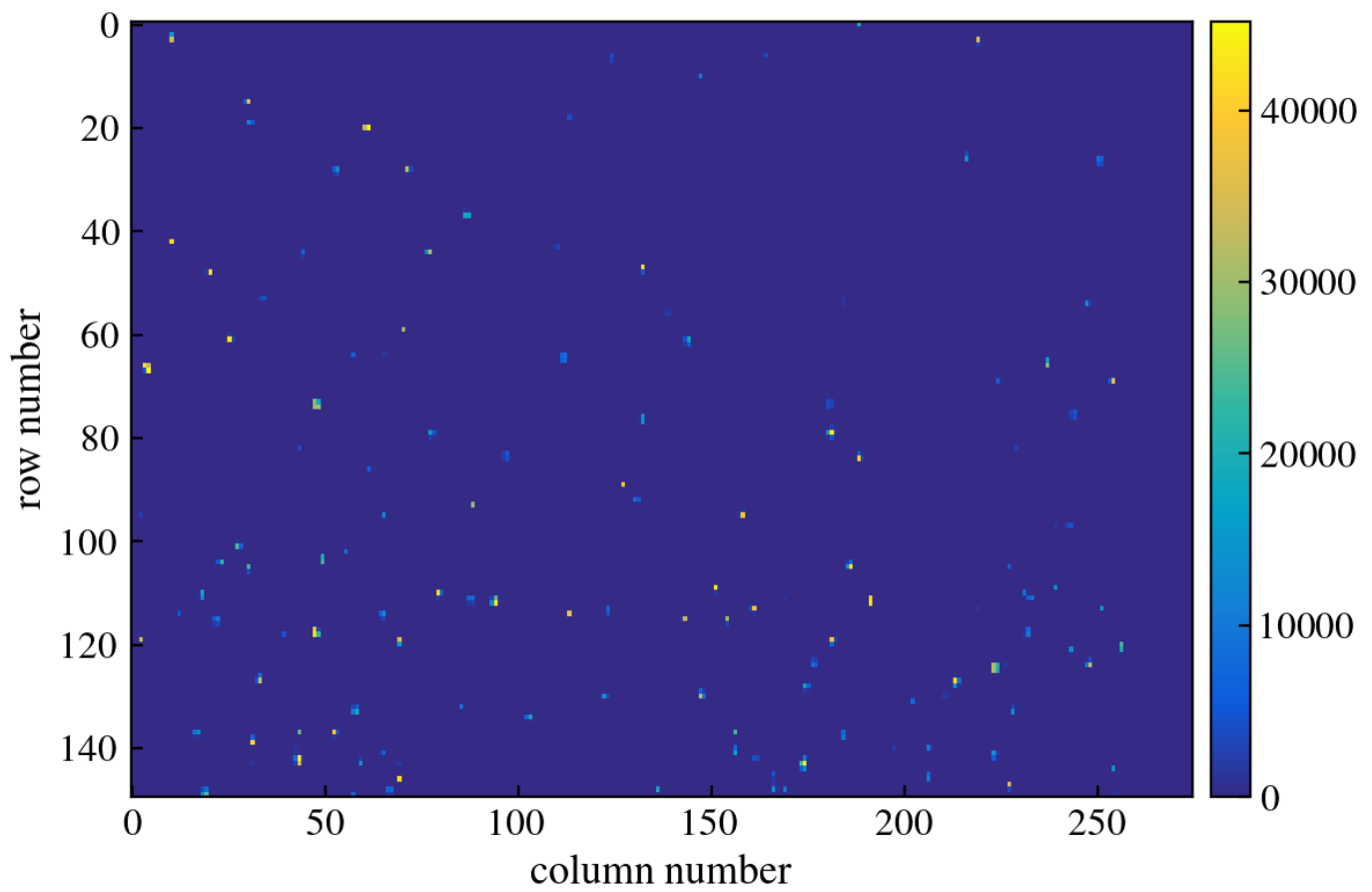


Figure 262: CCD Image

CCD Image: run 154, image 306  
[class MECCDImage]

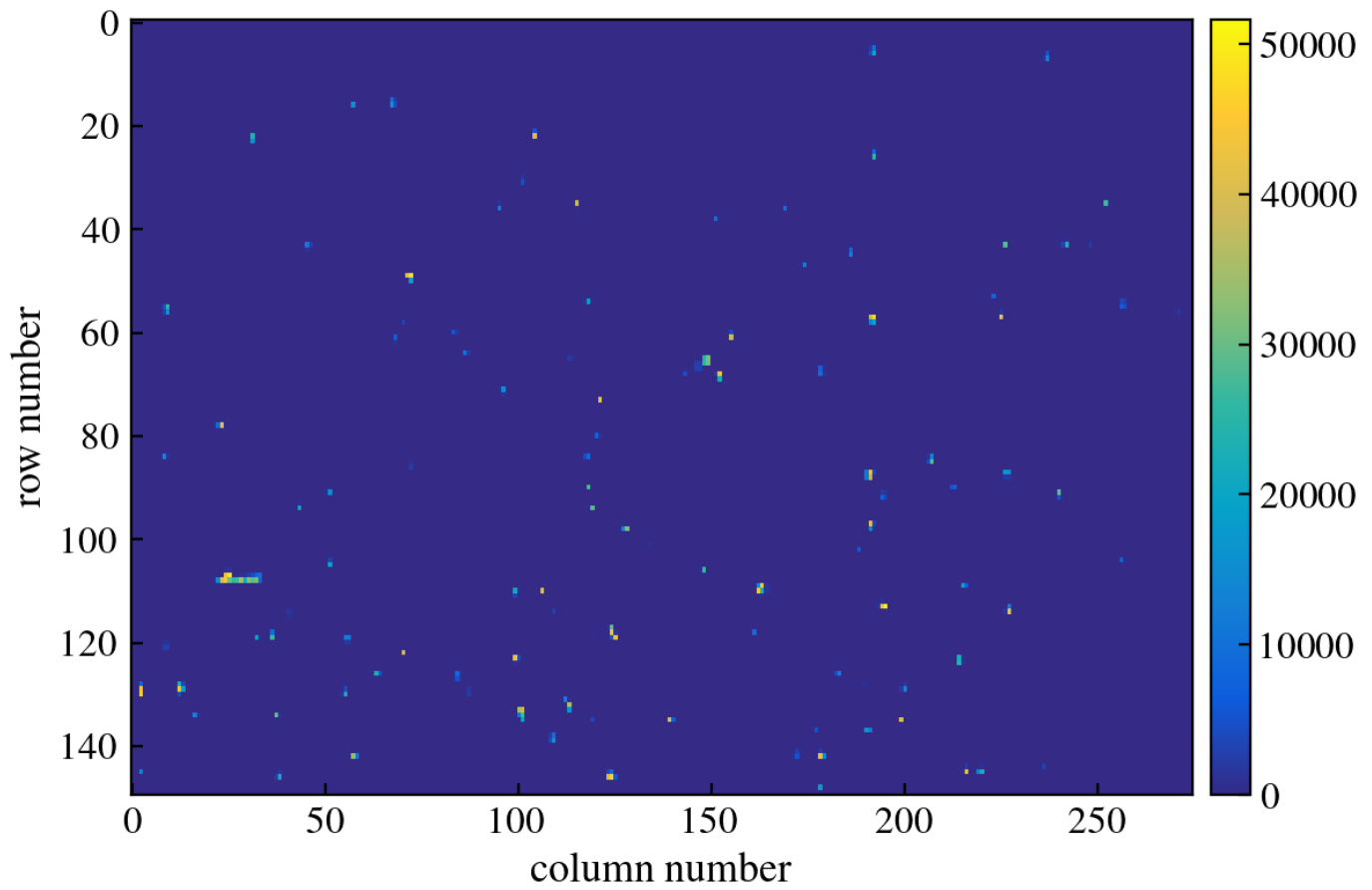


Figure 263: CCD Image

CCD Image: run 154, image 307  
[class MECCDImage]

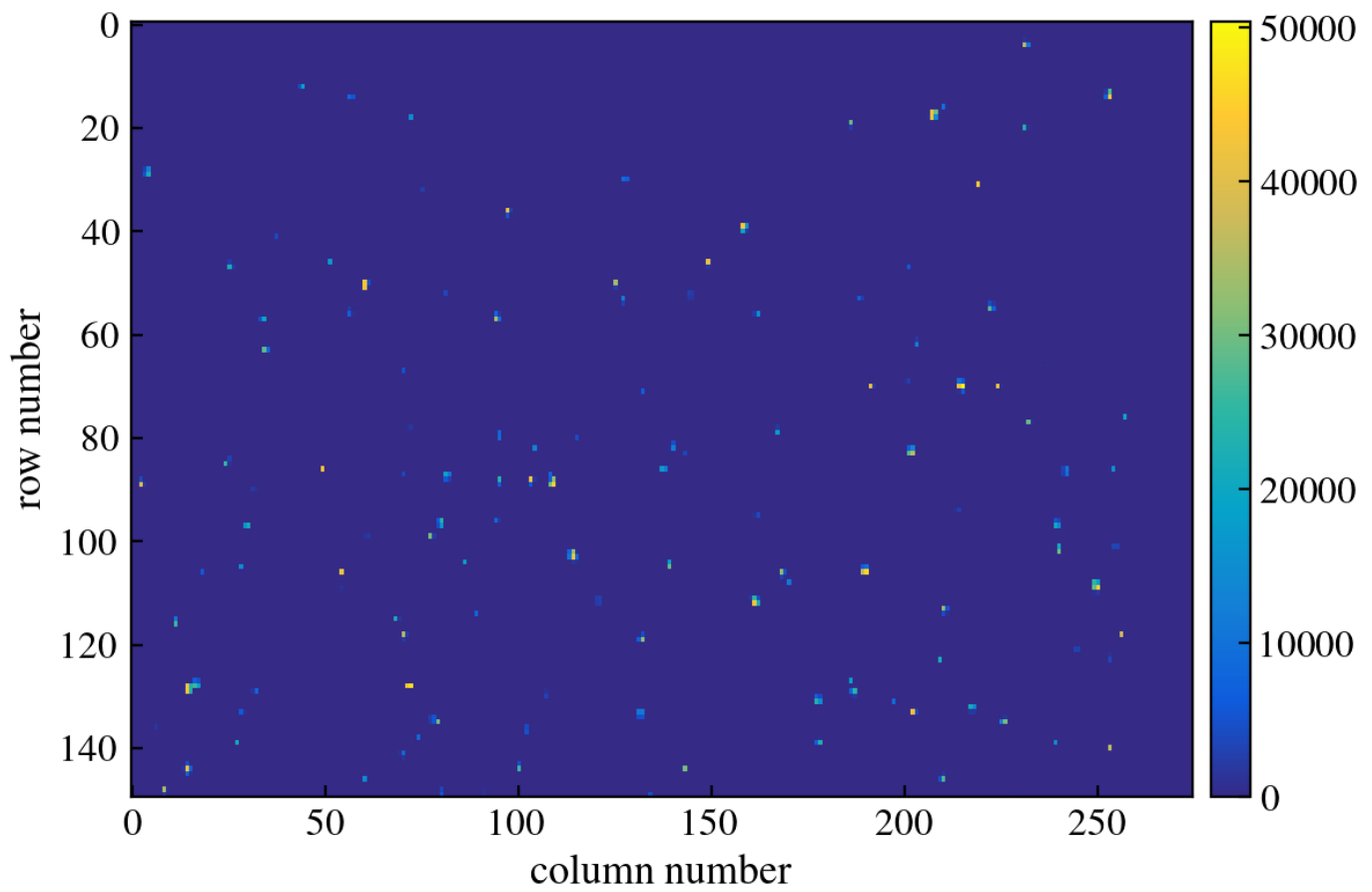


Figure 264: CCD Image

CCD Image: run 154, image 308  
[class MECCDImage]

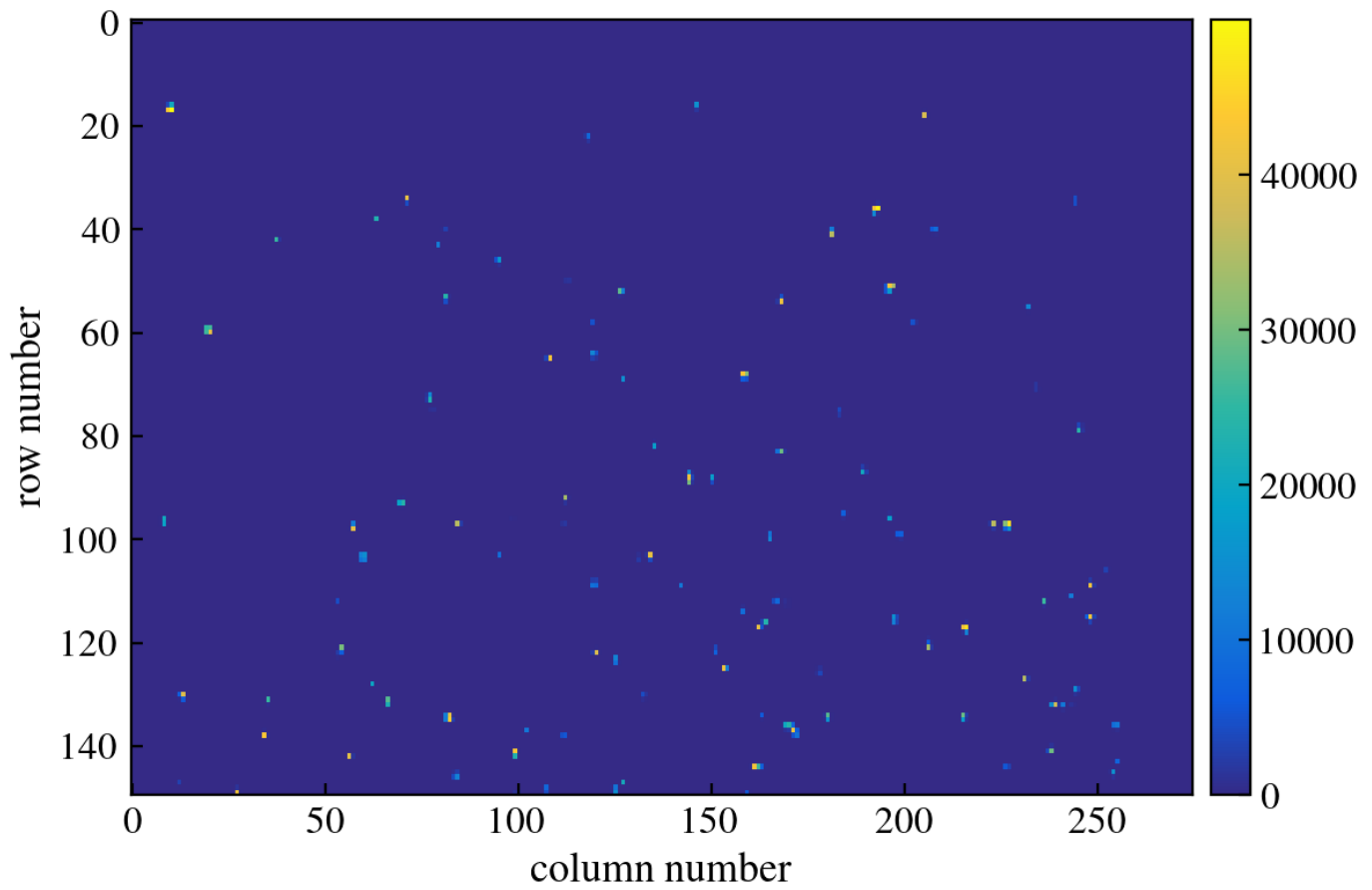


Figure 265: CCD Image

CCD Image: run 154, image 309  
[class MECCDImage]

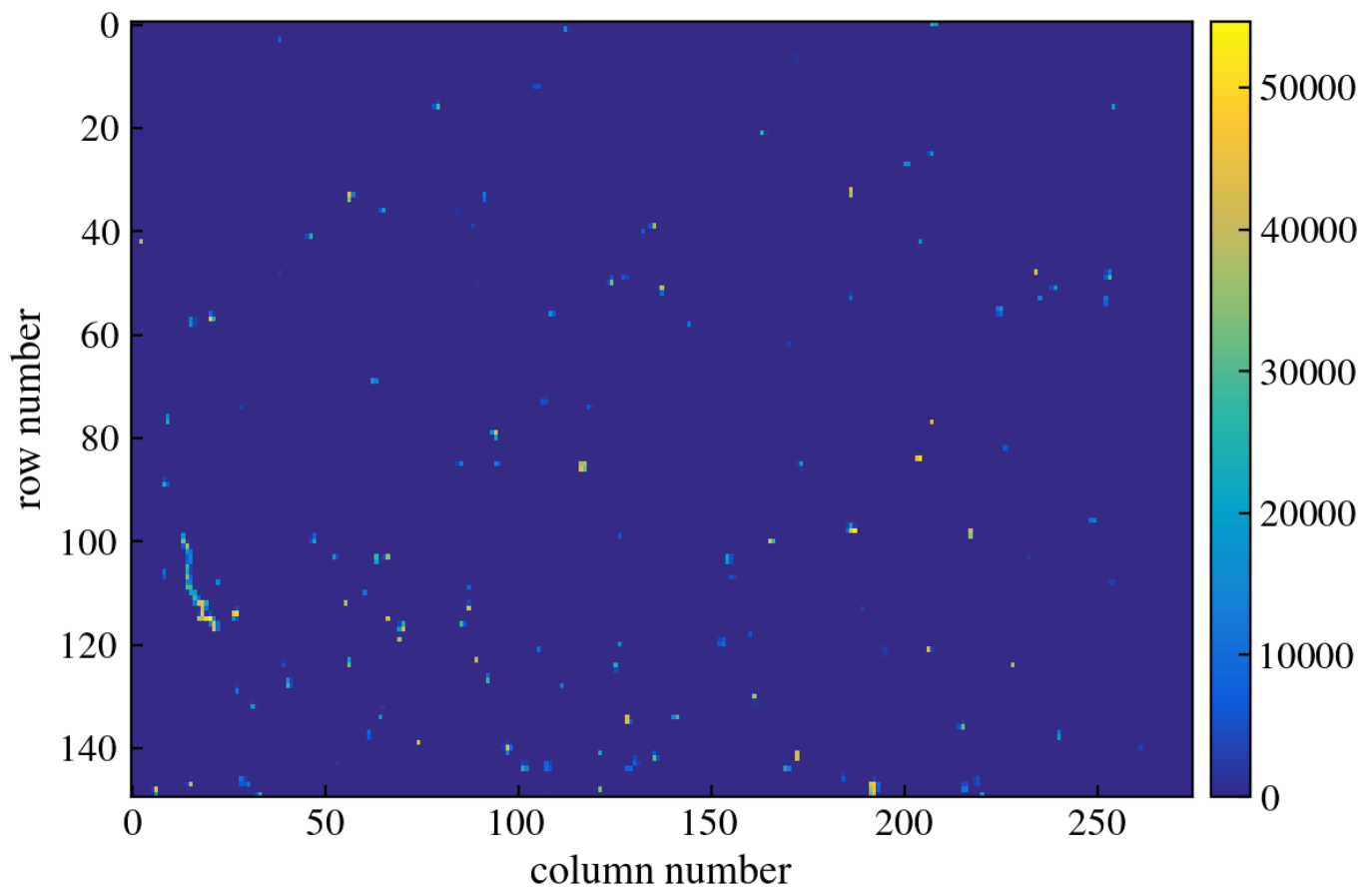


Figure 266: CCD Image

CCD Image: run 154, image 31  
[class MECCDImage]

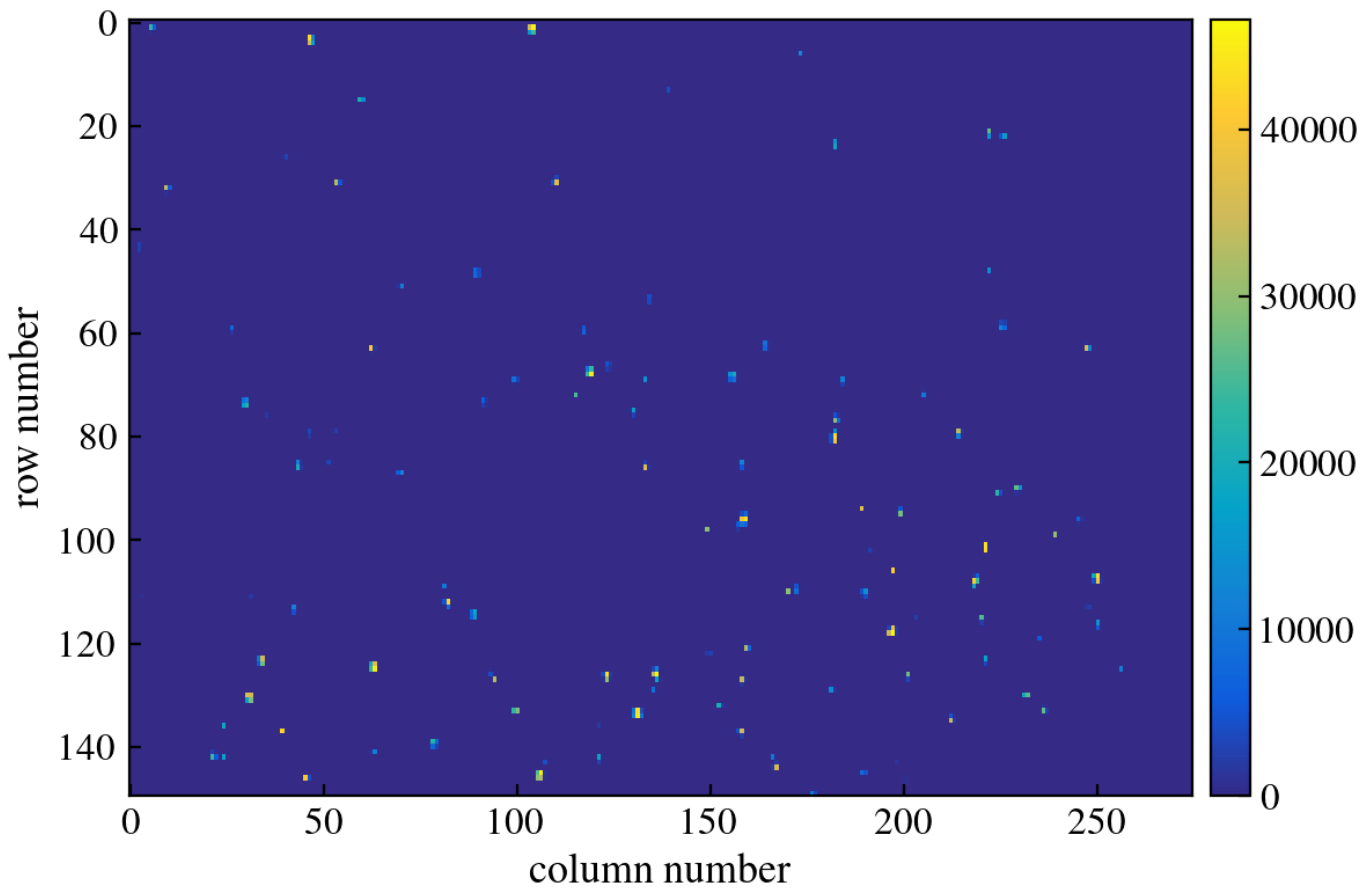


Figure 267: CCD Image



CCD Image: run 154, image 310  
[class MECCDImage]

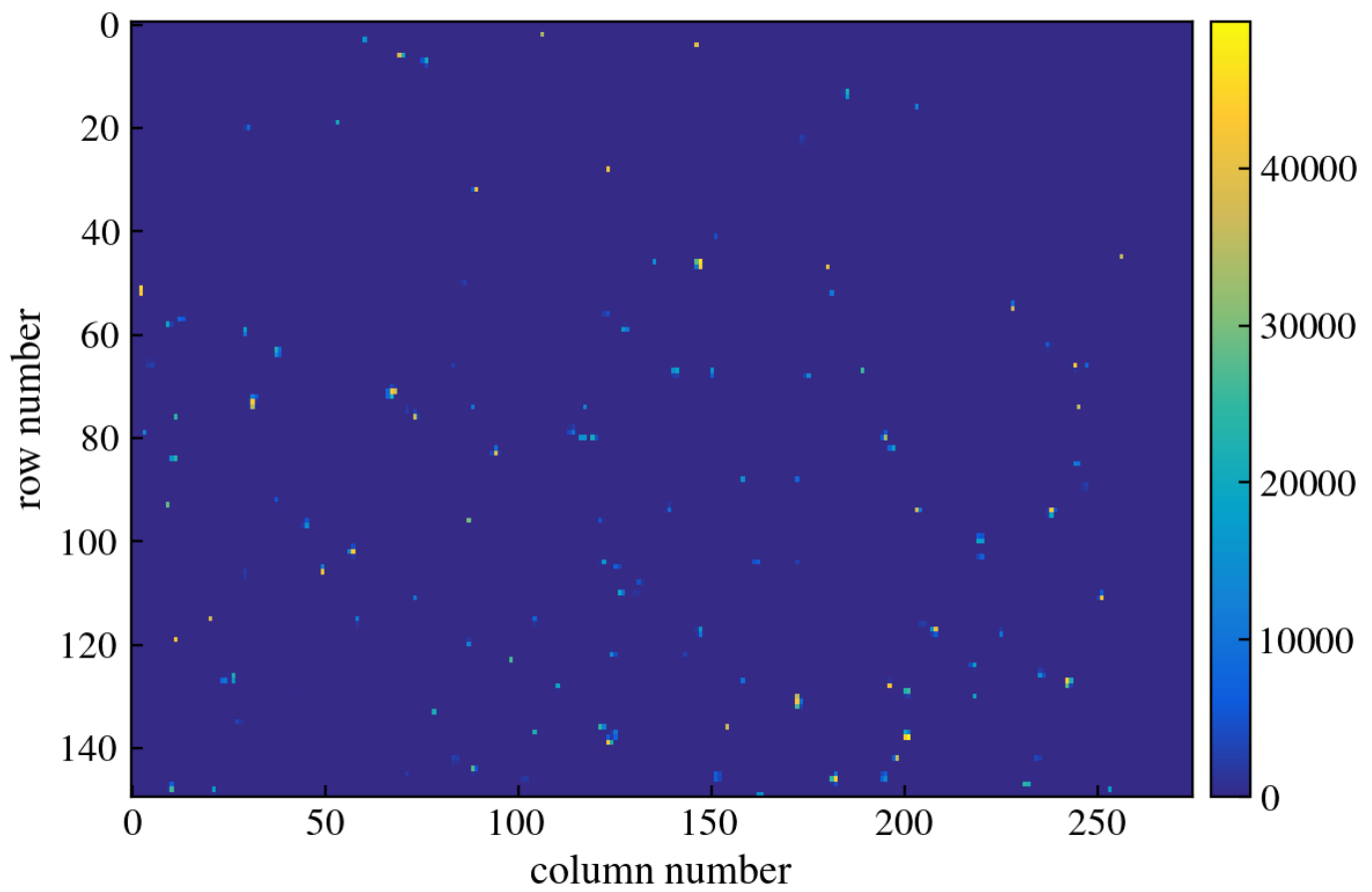


Figure 268: CCD Image

CCD Image: run 154, image 311  
[class MECCDImage]

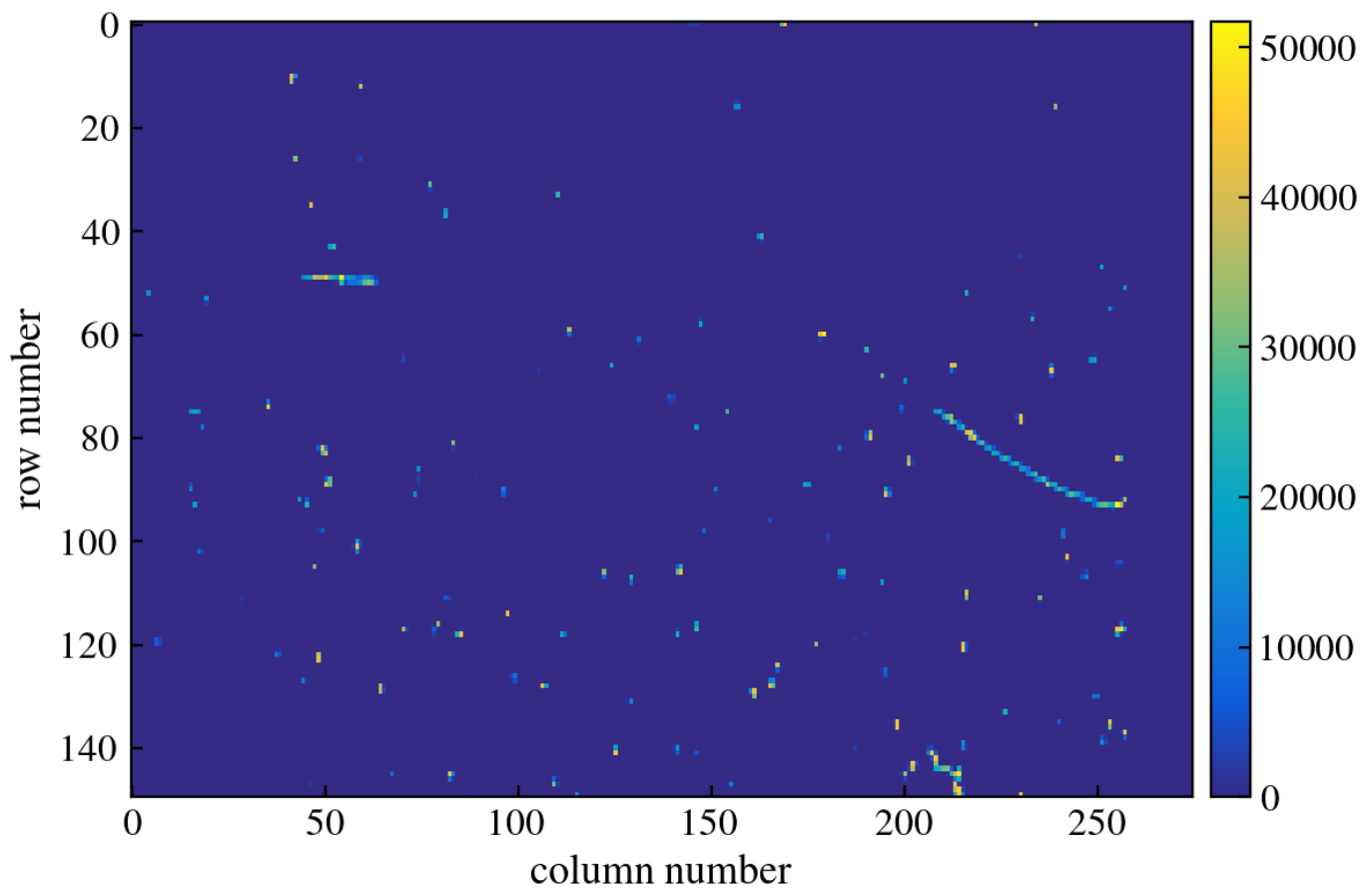


Figure 269: CCD Image

CCD Image: run 154, image 312  
[class MECCDImage]

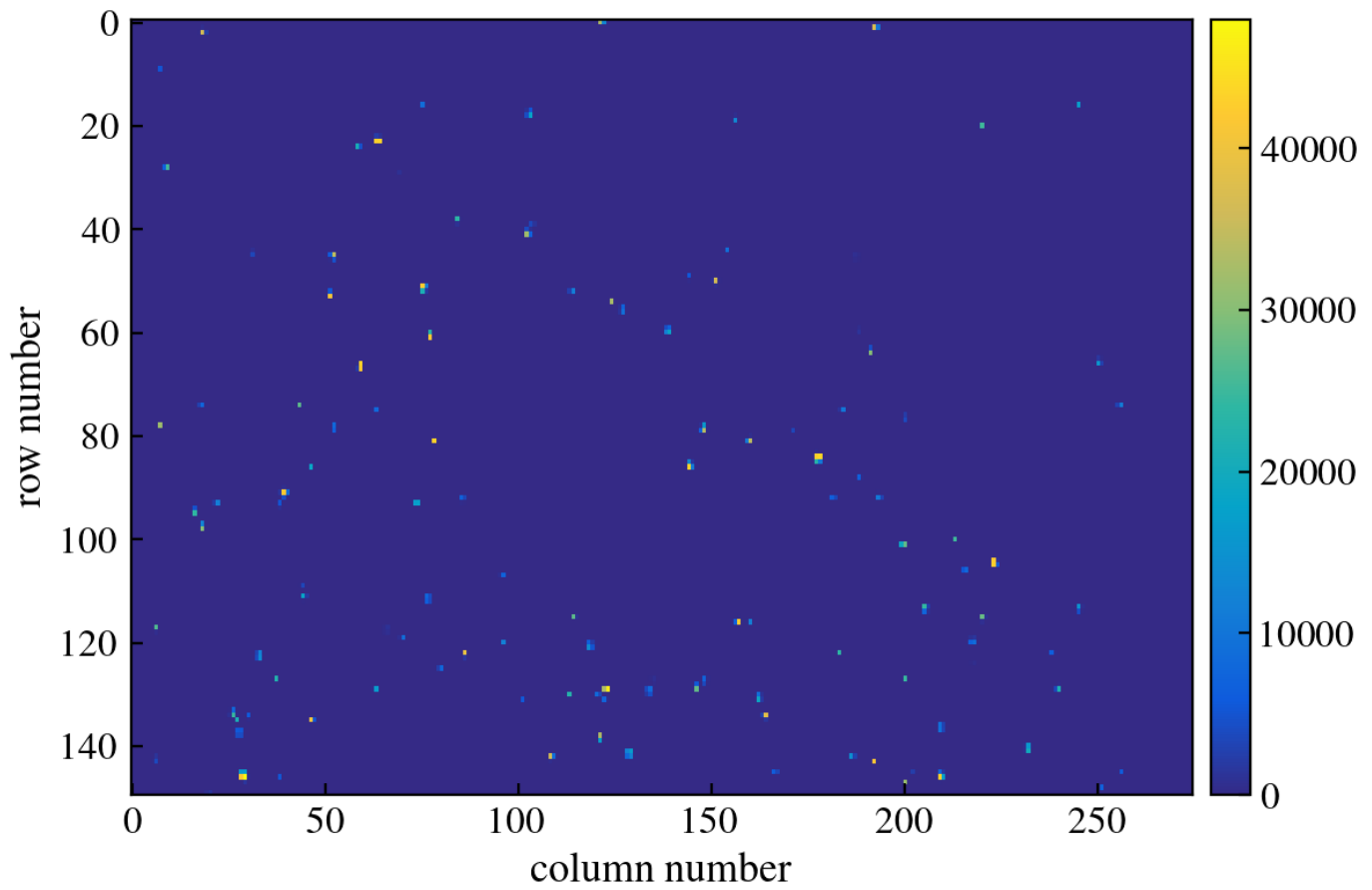


Figure 270: CCD Image

CCD Image: run 154, image 313  
[class MECCDImage]

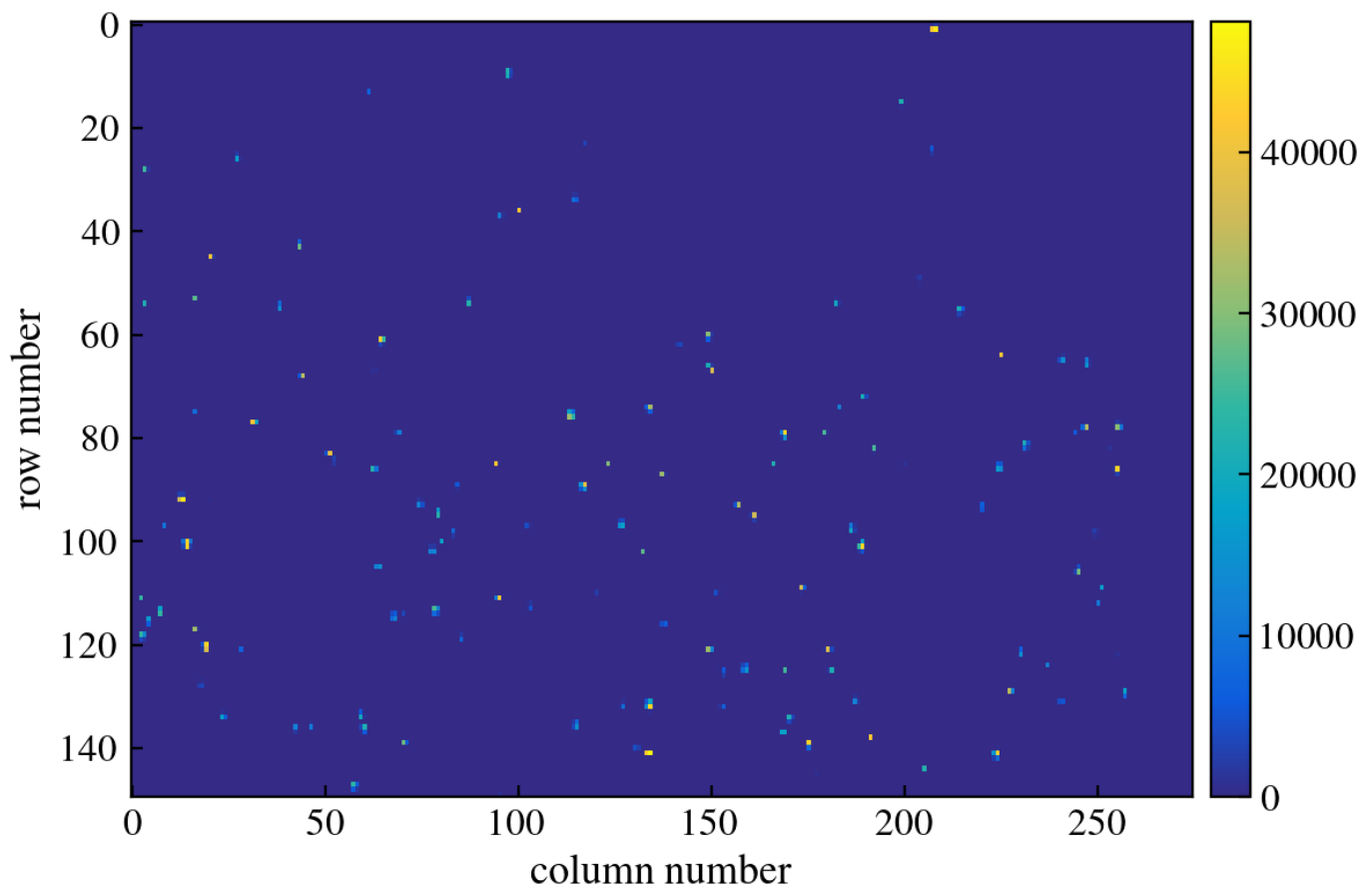


Figure 271: CCD Image

CCD Image: run 154, image 314  
[class MECCDImage]

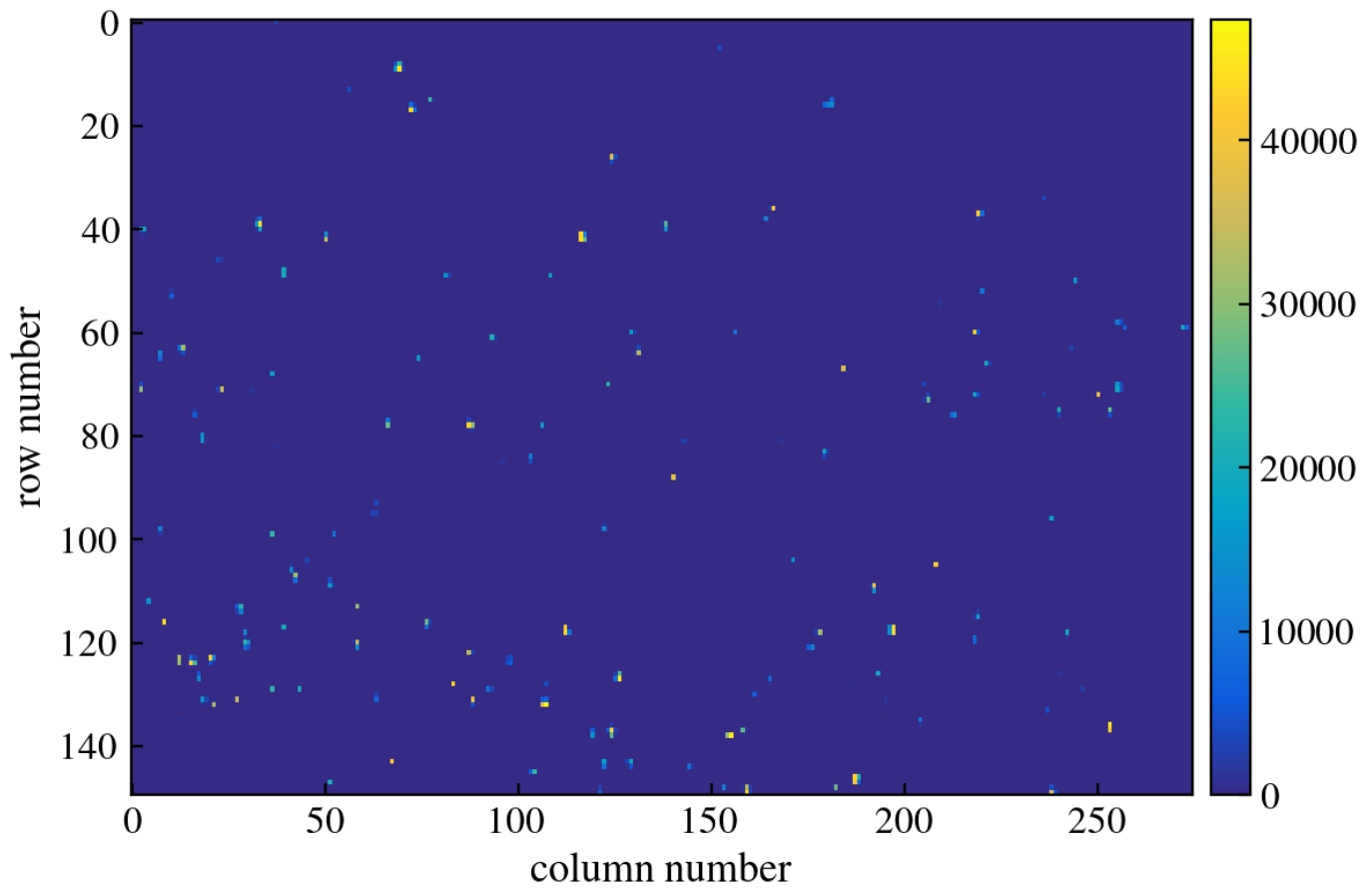


Figure 272: CCD Image

CCD Image: run 154, image 315  
[class MECCDImage]

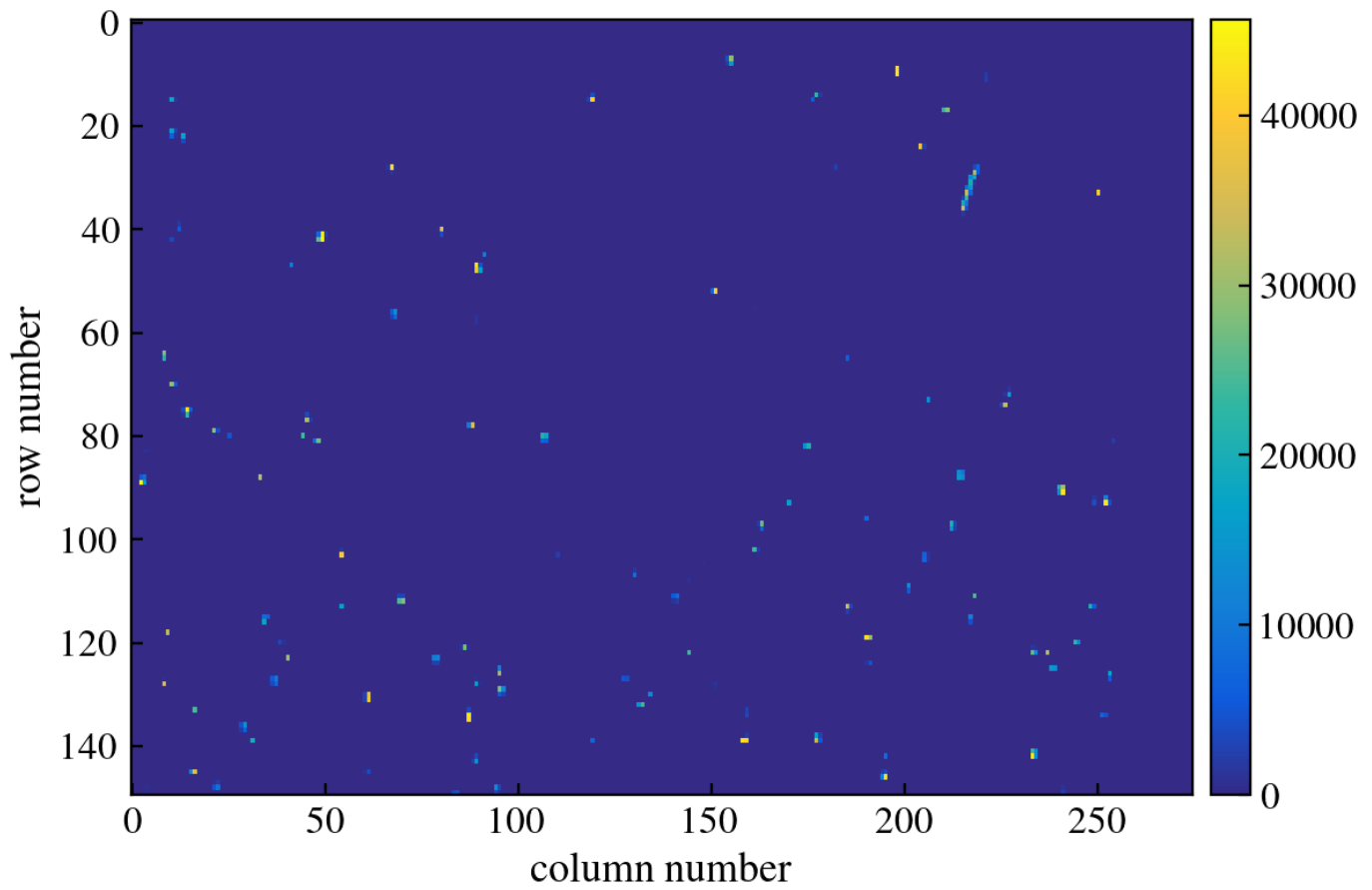


Figure 273: CCD Image

CCD Image: run 154, image 316  
[class MECCDImage]

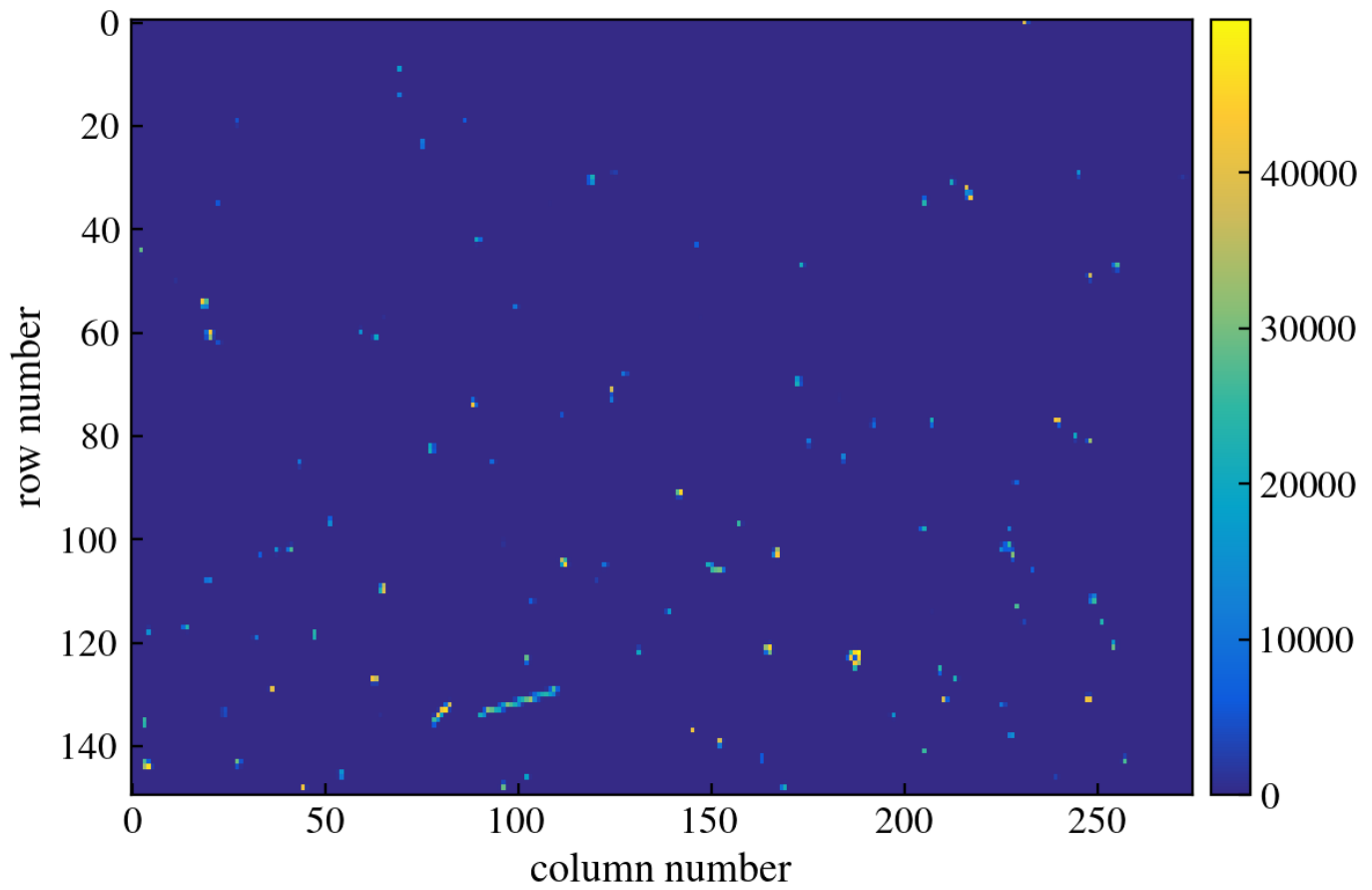


Figure 274: CCD Image

CCD Image: run 154, image 317  
[class MECCDImage]

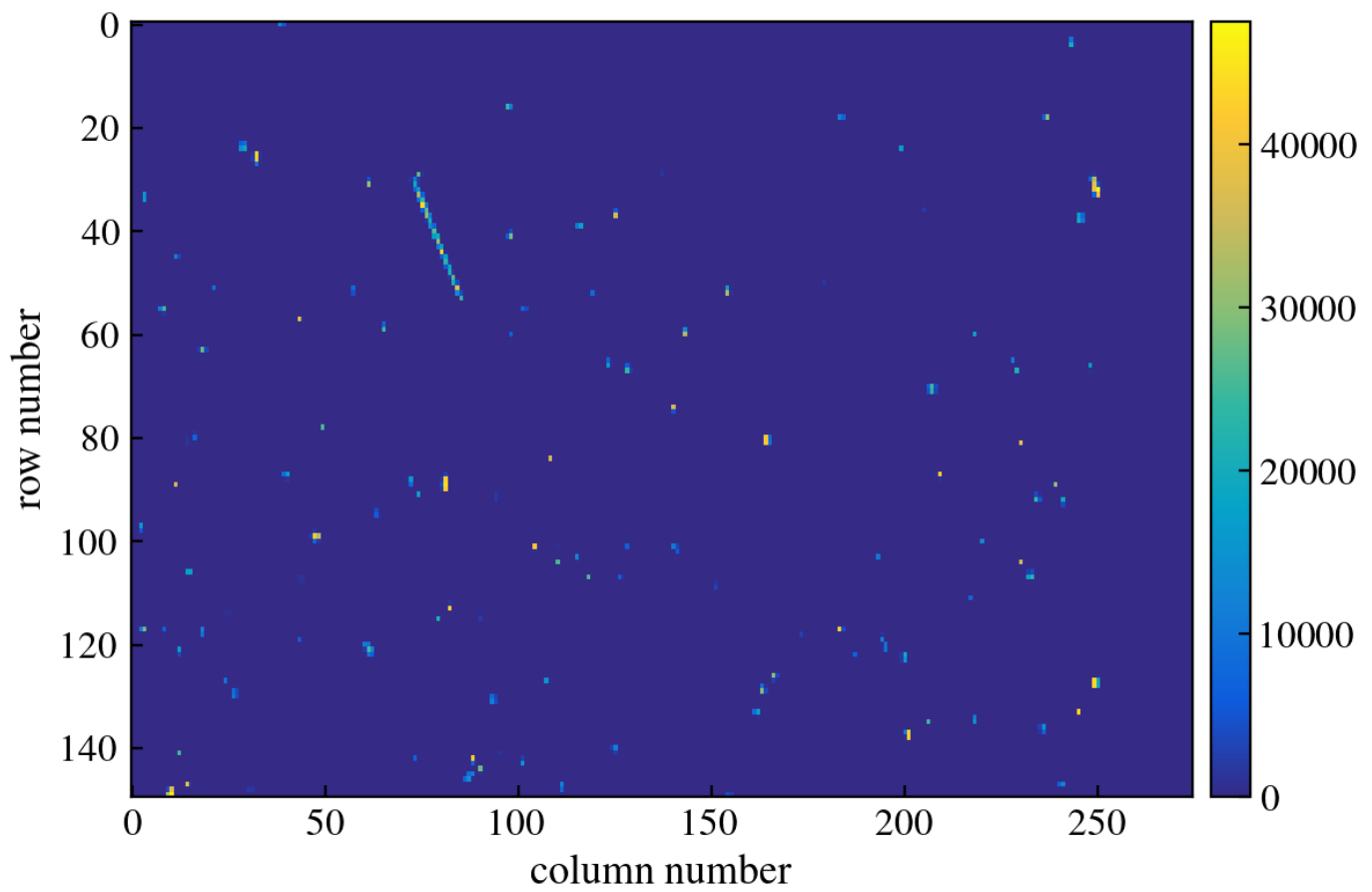


Figure 275: CCD Image



CCD Image: run 154, image 318  
[class MECCDImage]

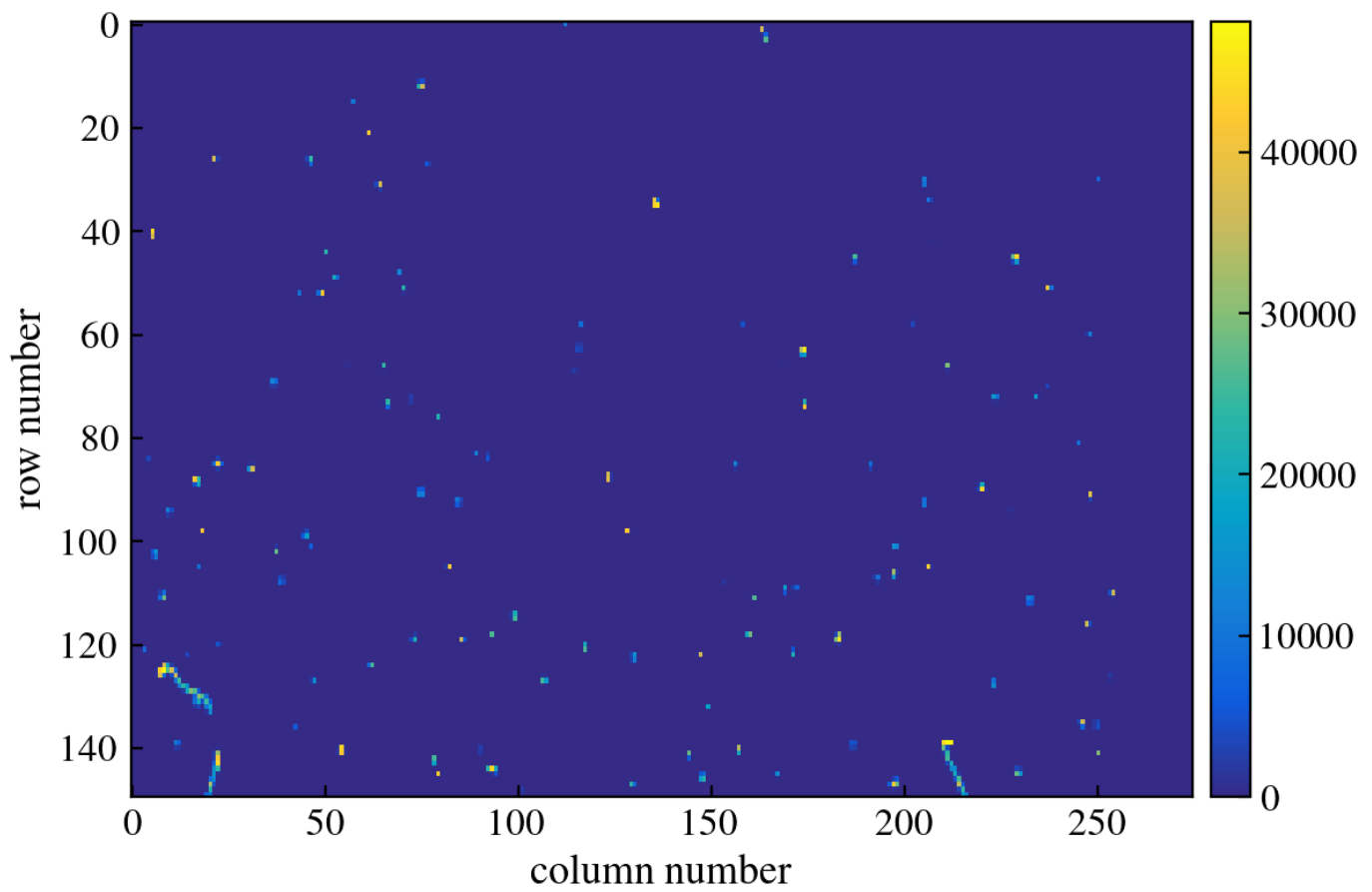


Figure 276: CCD Image

CCD Image: run 154, image 319  
[class MECCDImage]

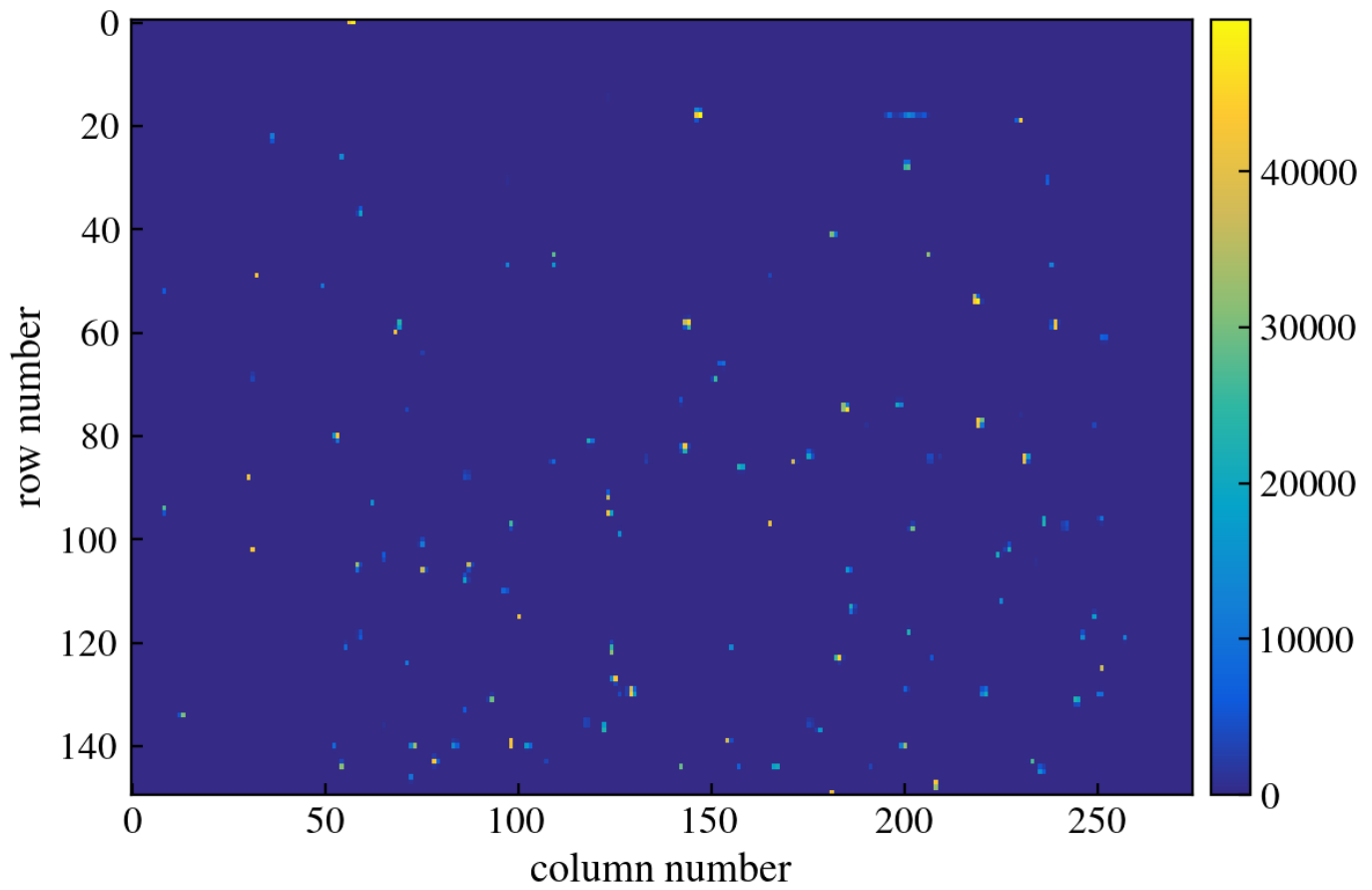


Figure 277: CCD Image

CCD Image: run 154, image 32  
[class MECCDImage]

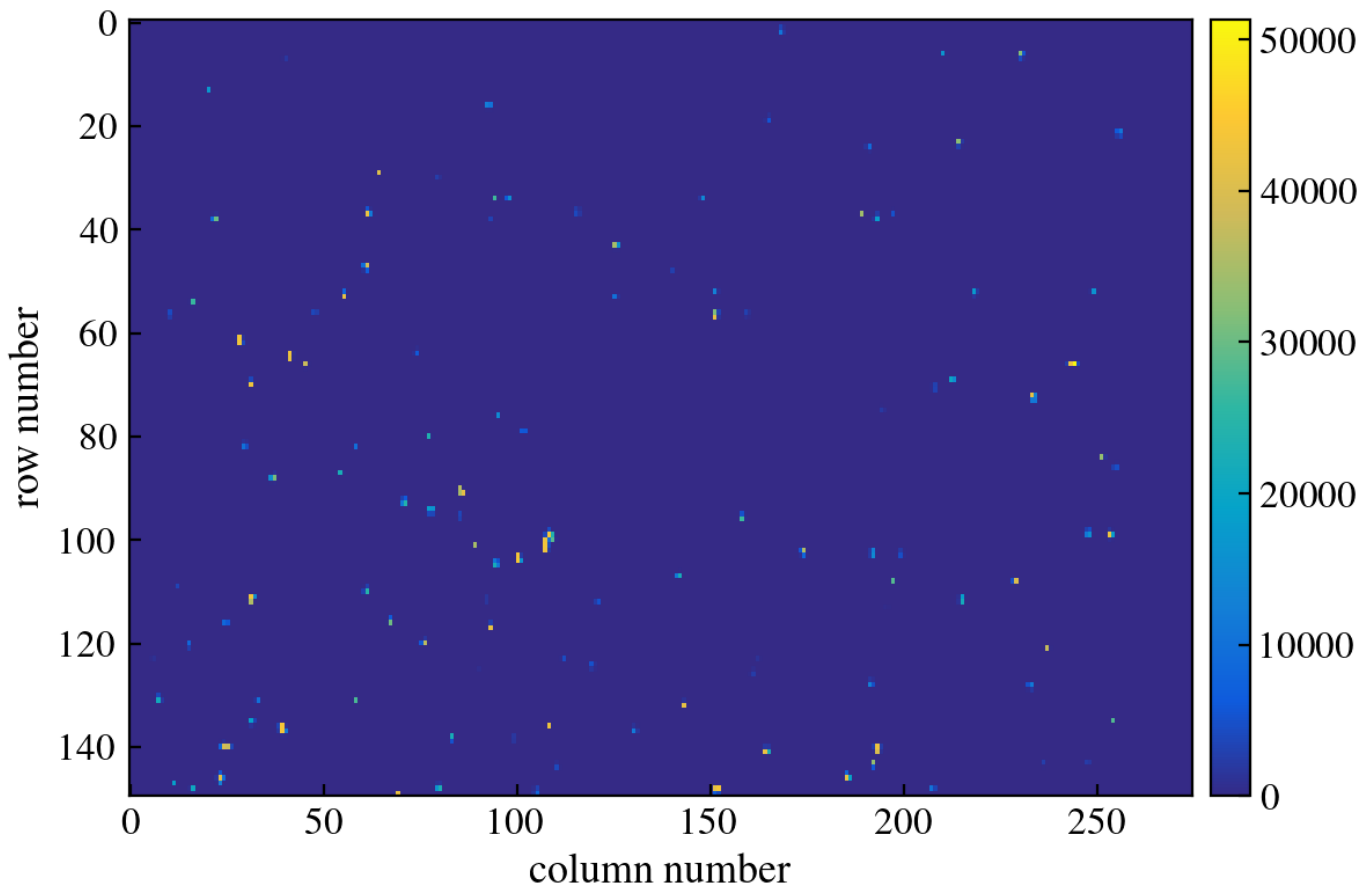


Figure 278: CCD Image

CCD Image: run 154, image 320  
[class MECCDImage]

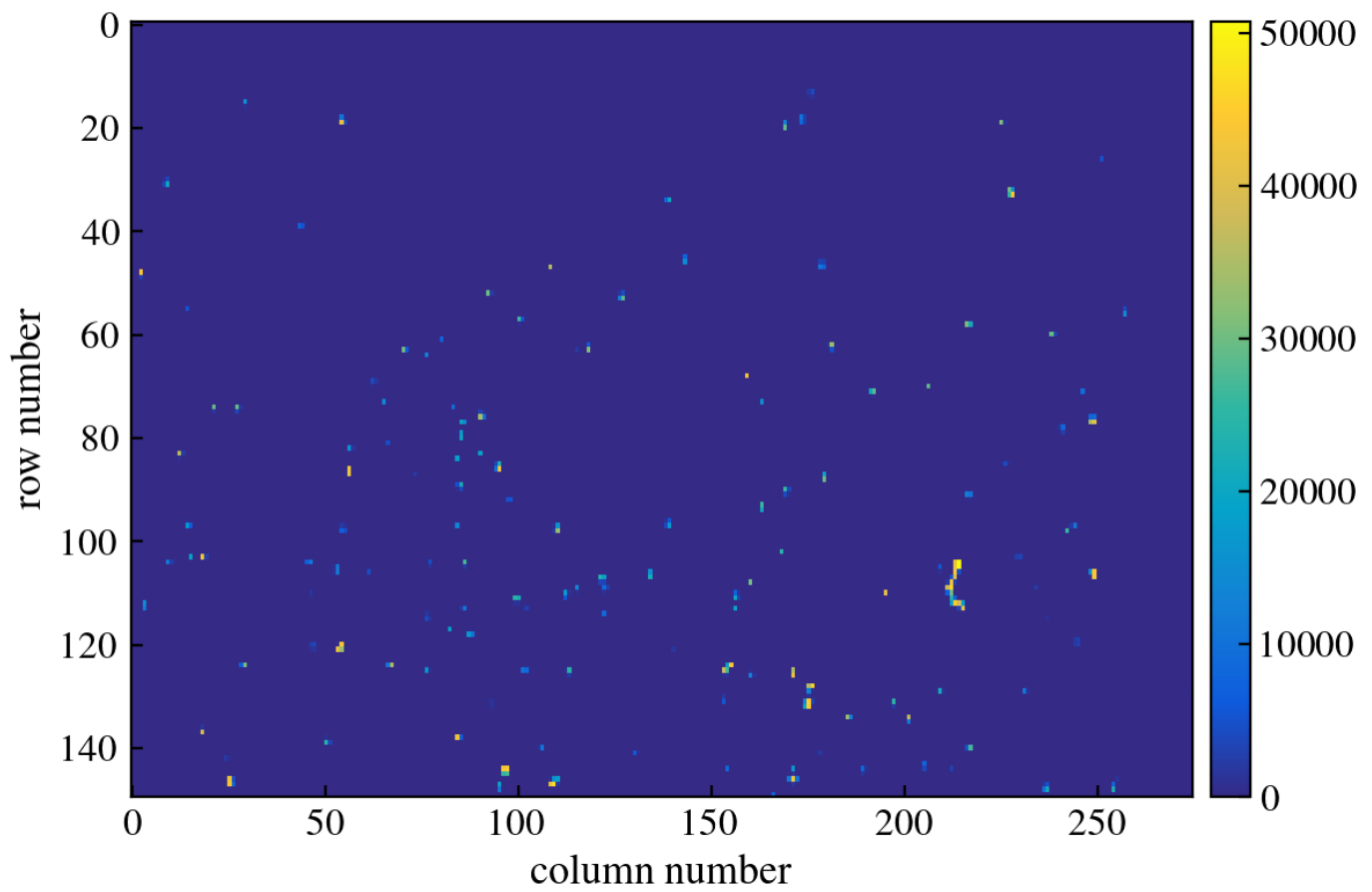


Figure 279: CCD Image

CCD Image: run 154, image 321  
[class MECCDImage]

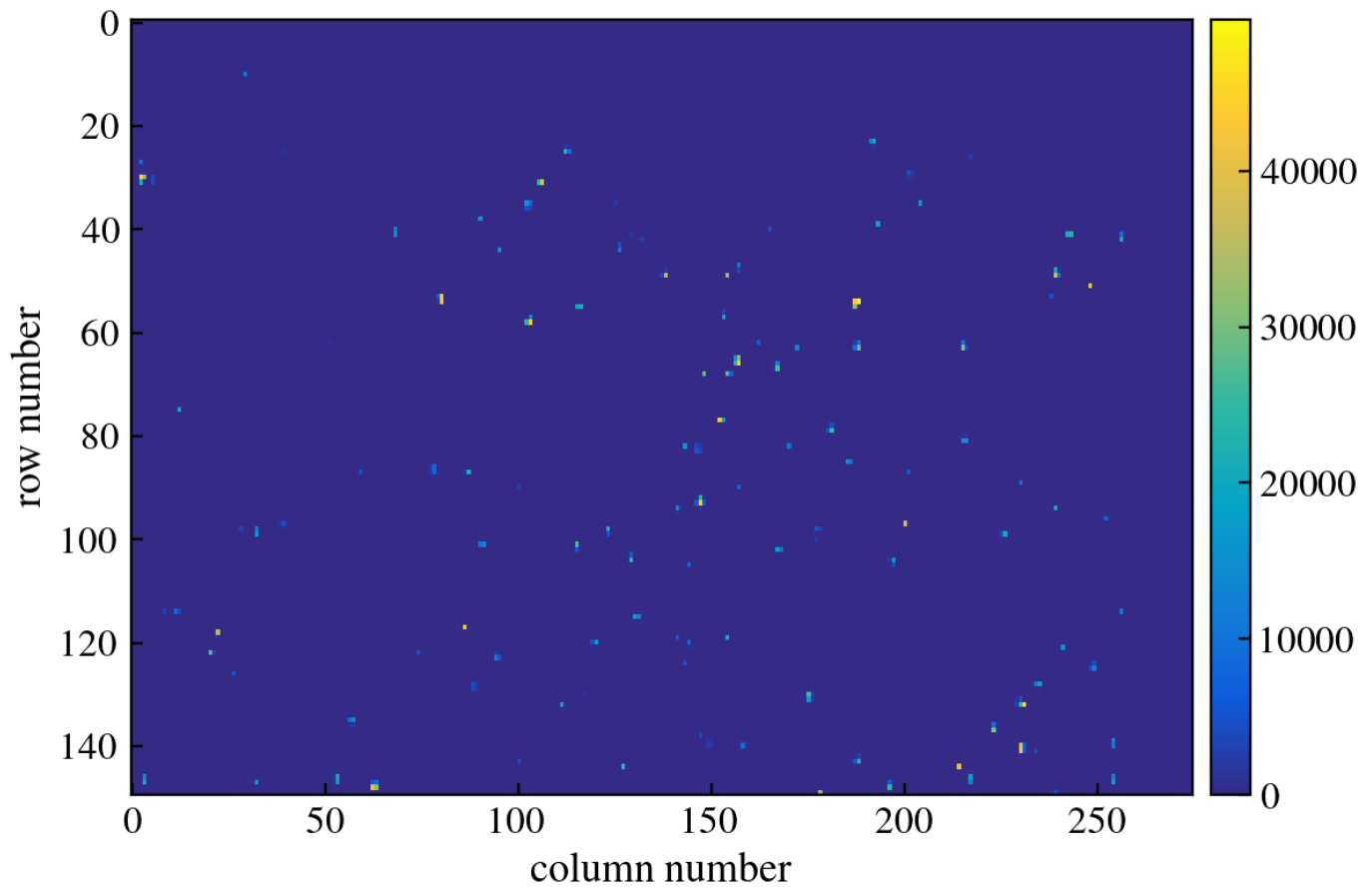


Figure 280: CCD Image

CCD Image: run 154, image 322  
[class MECCDImage]

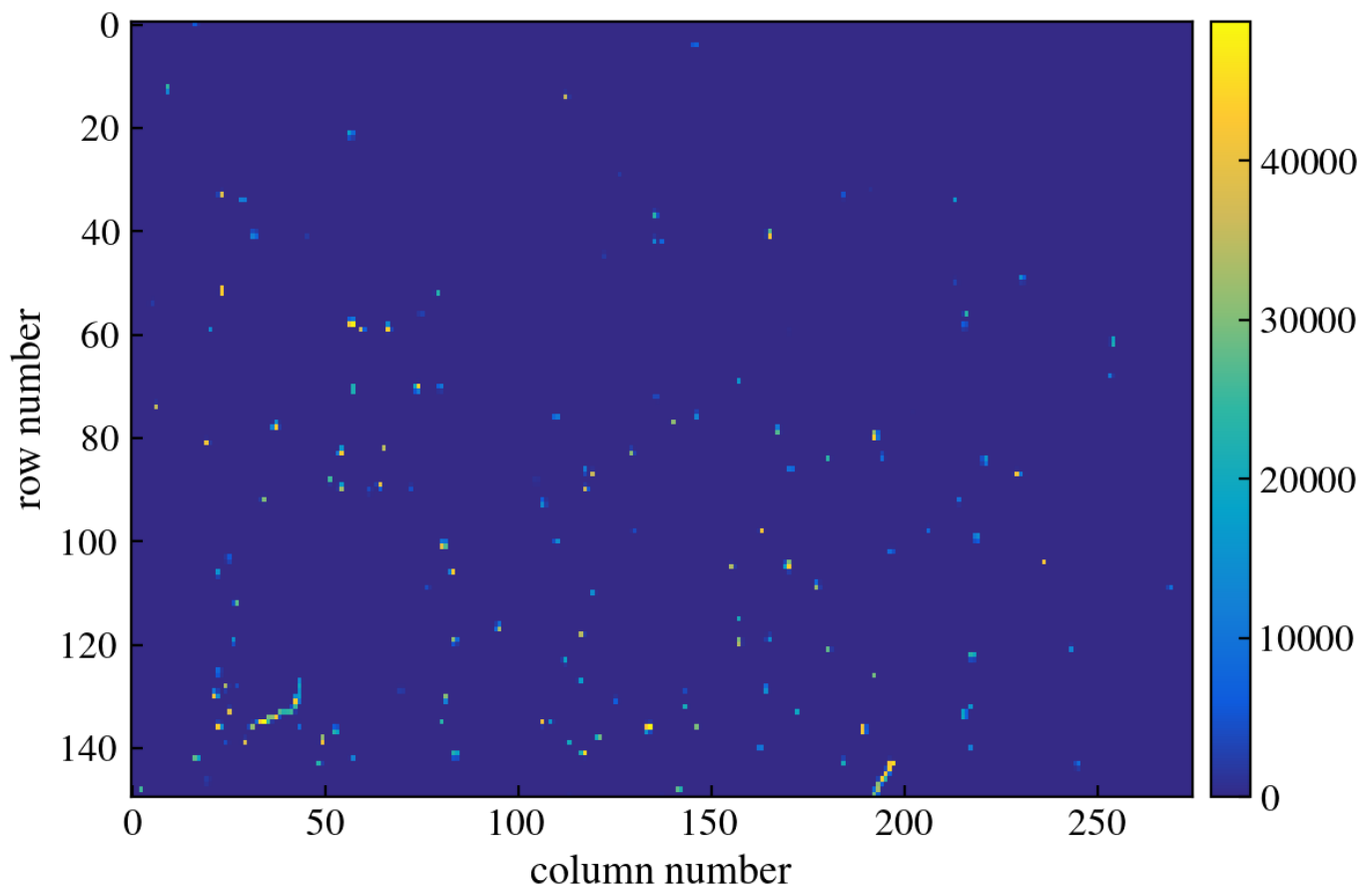


Figure 281: CCD Image

CCD Image: run 154, image 323  
[class MECCDImage]

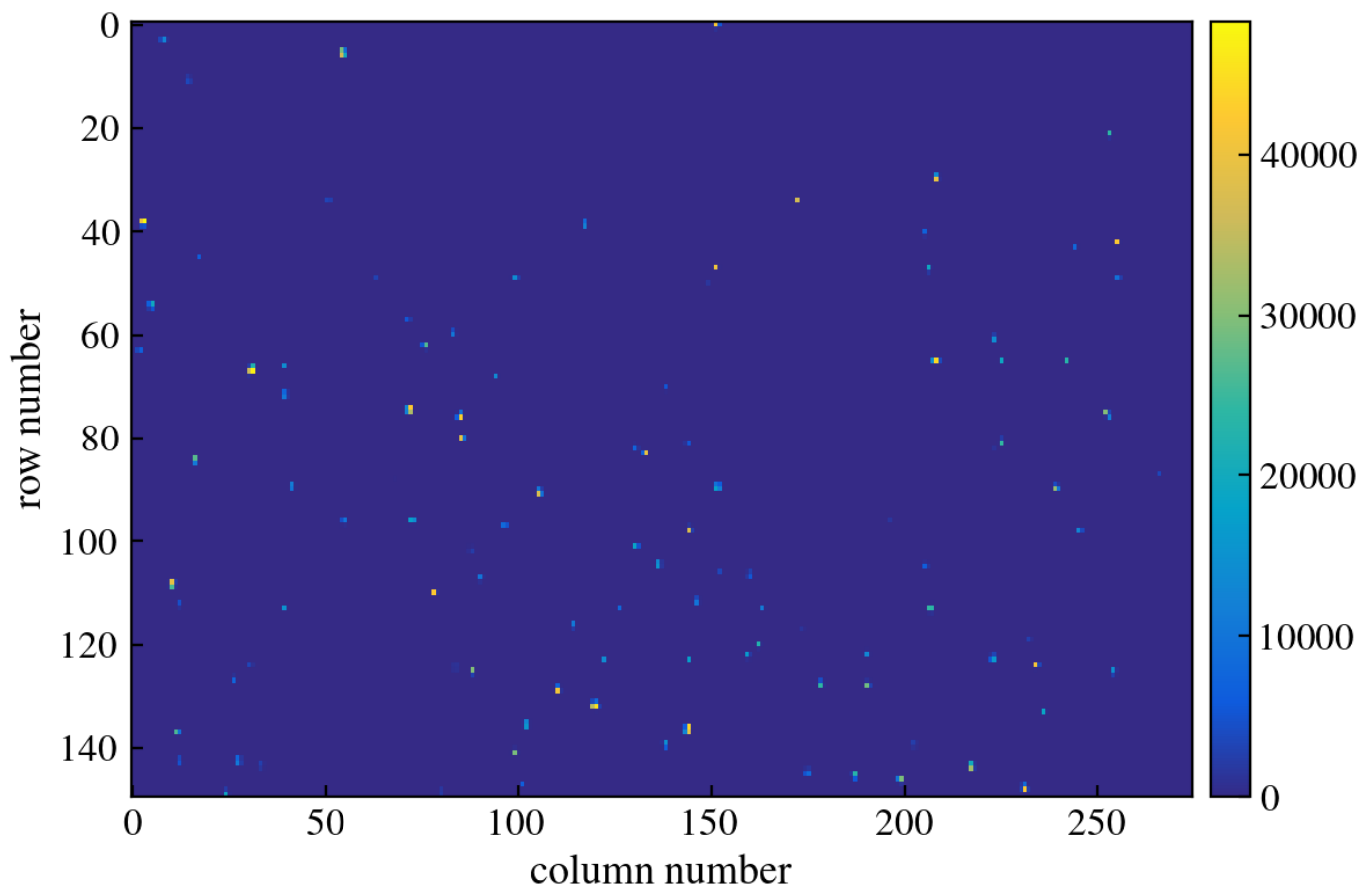


Figure 282: CCD Image

CCD Image: run 154, image 324  
[class MECCDImage]

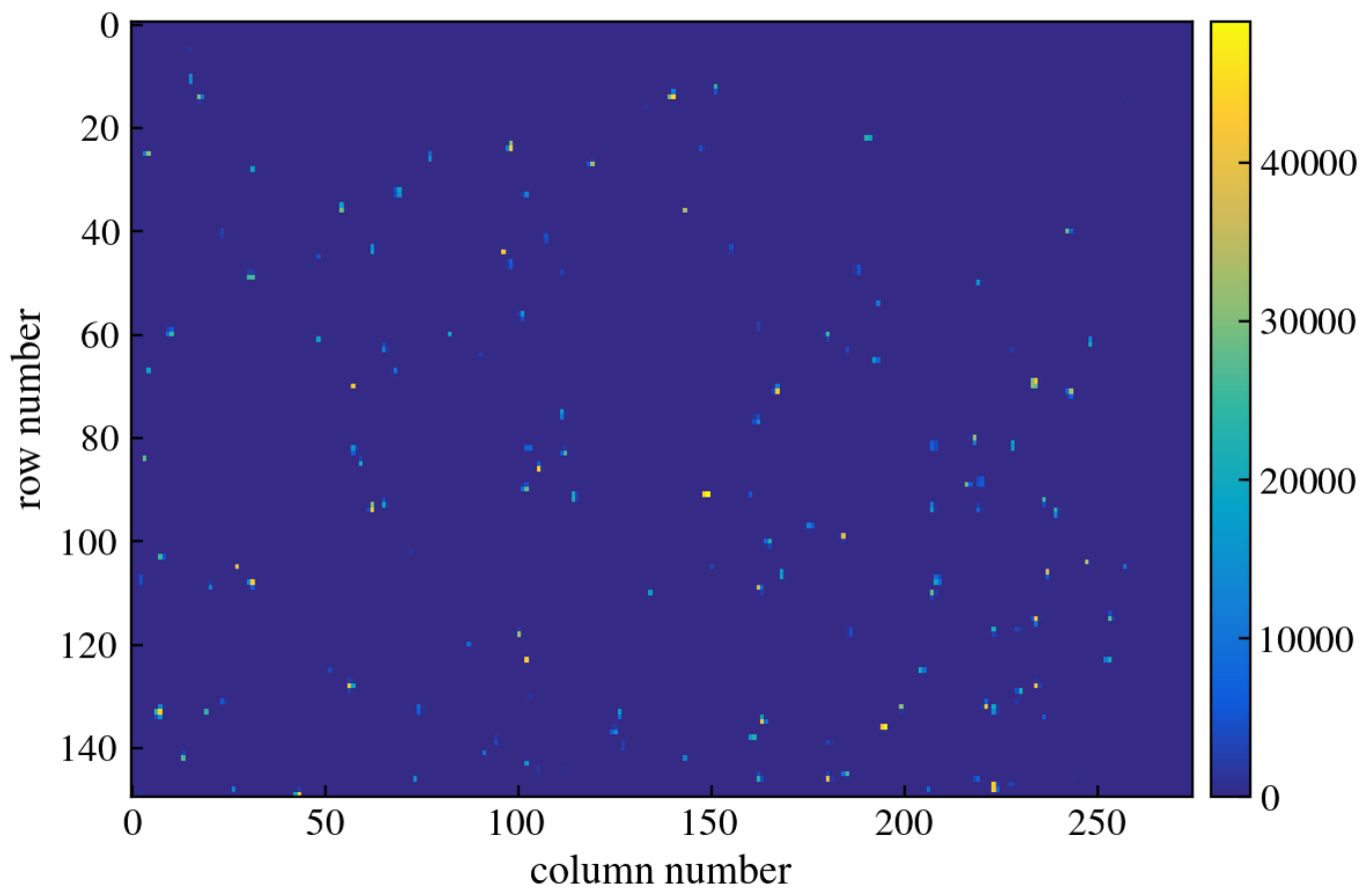


Figure 283: CCD Image



CCD Image: run 154, image 325  
[class MECCDImage]

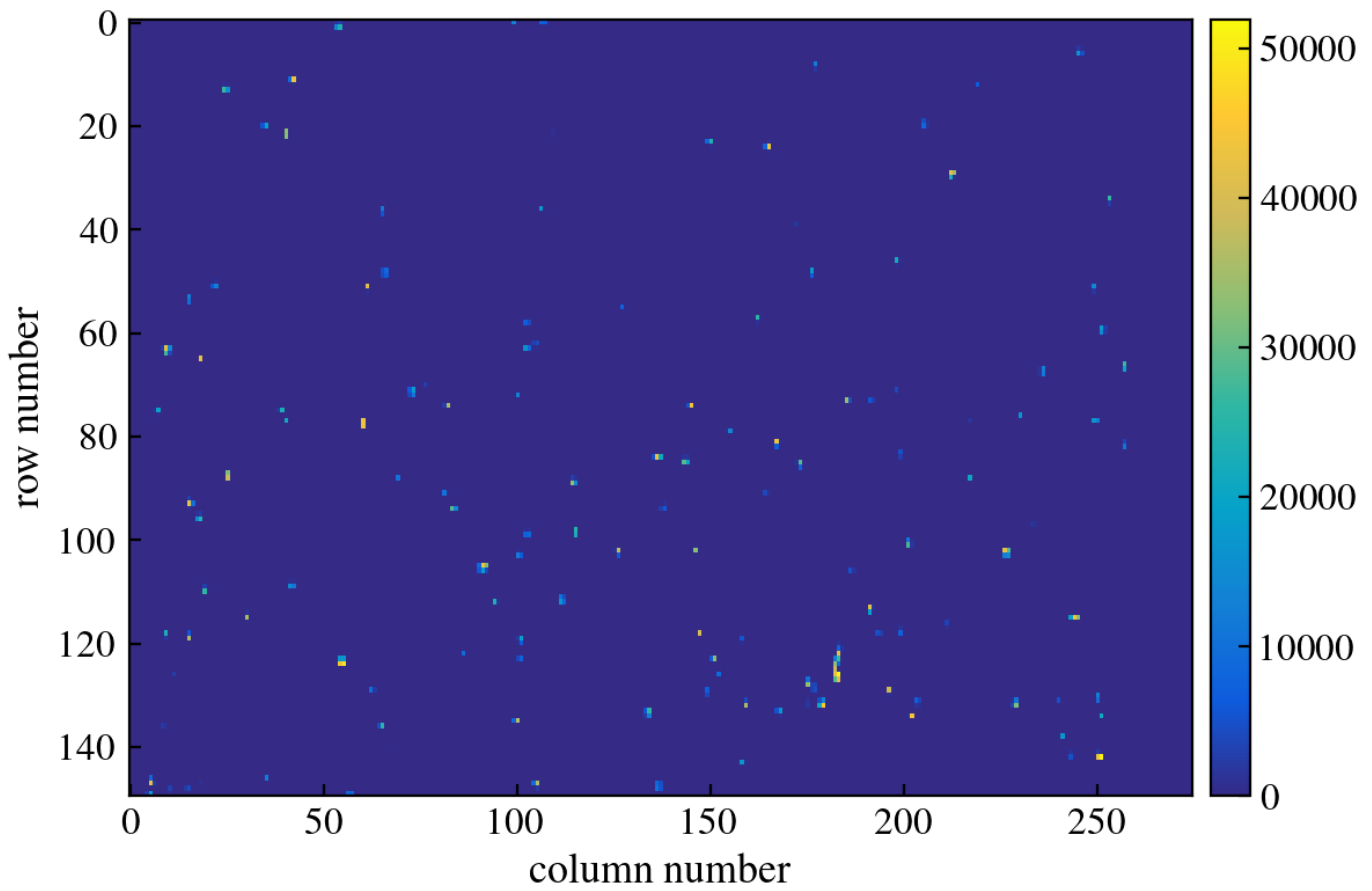


Figure 284: CCD Image

CCD Image: run 154, image 326  
[class MECCDImage]

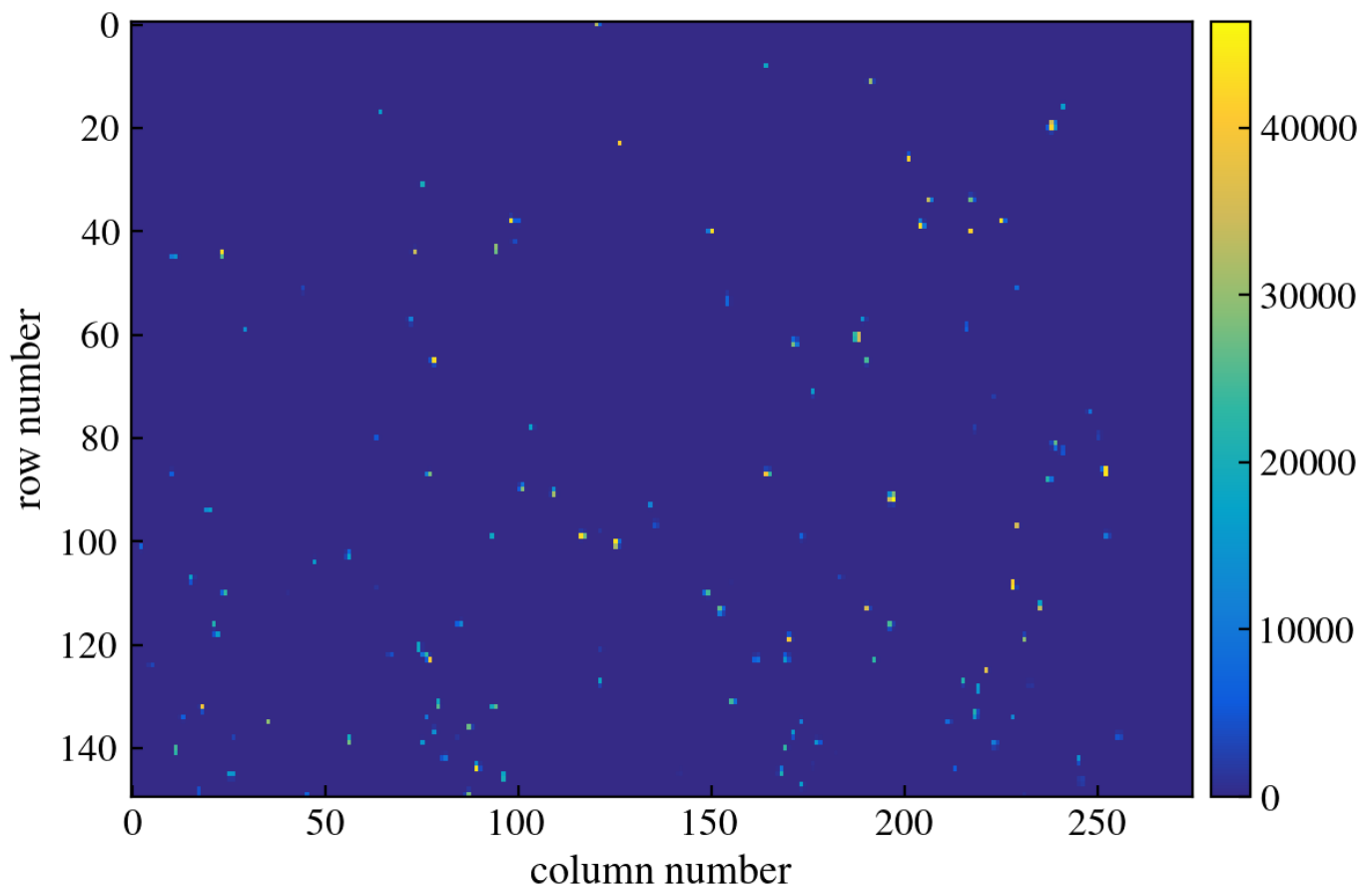


Figure 285: CCD Image

CCD Image: run 154, image 327  
[class MECCDImage]

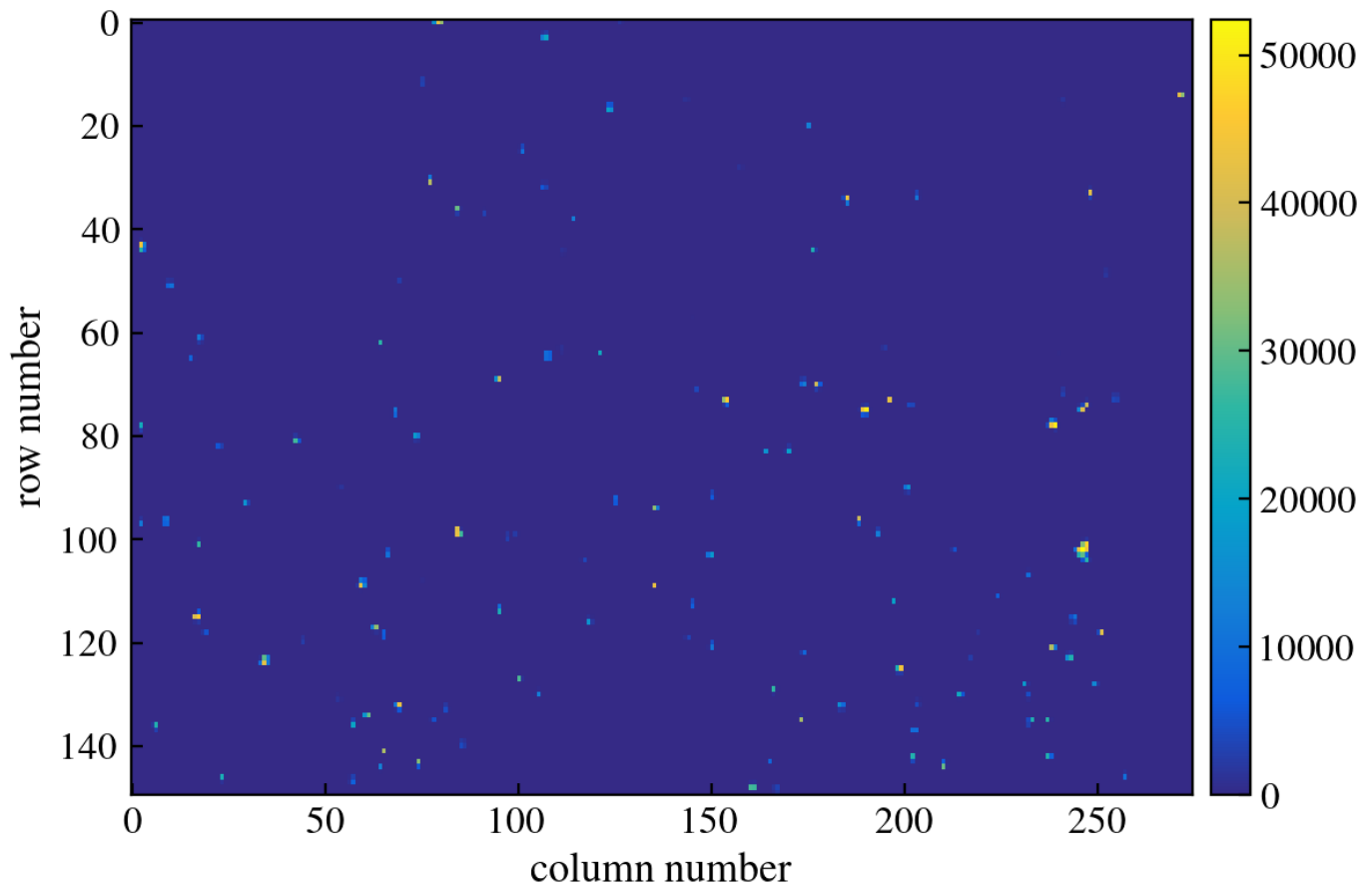


Figure 286: CCD Image

CCD Image: run 154, image 328  
[class MECCDImage]

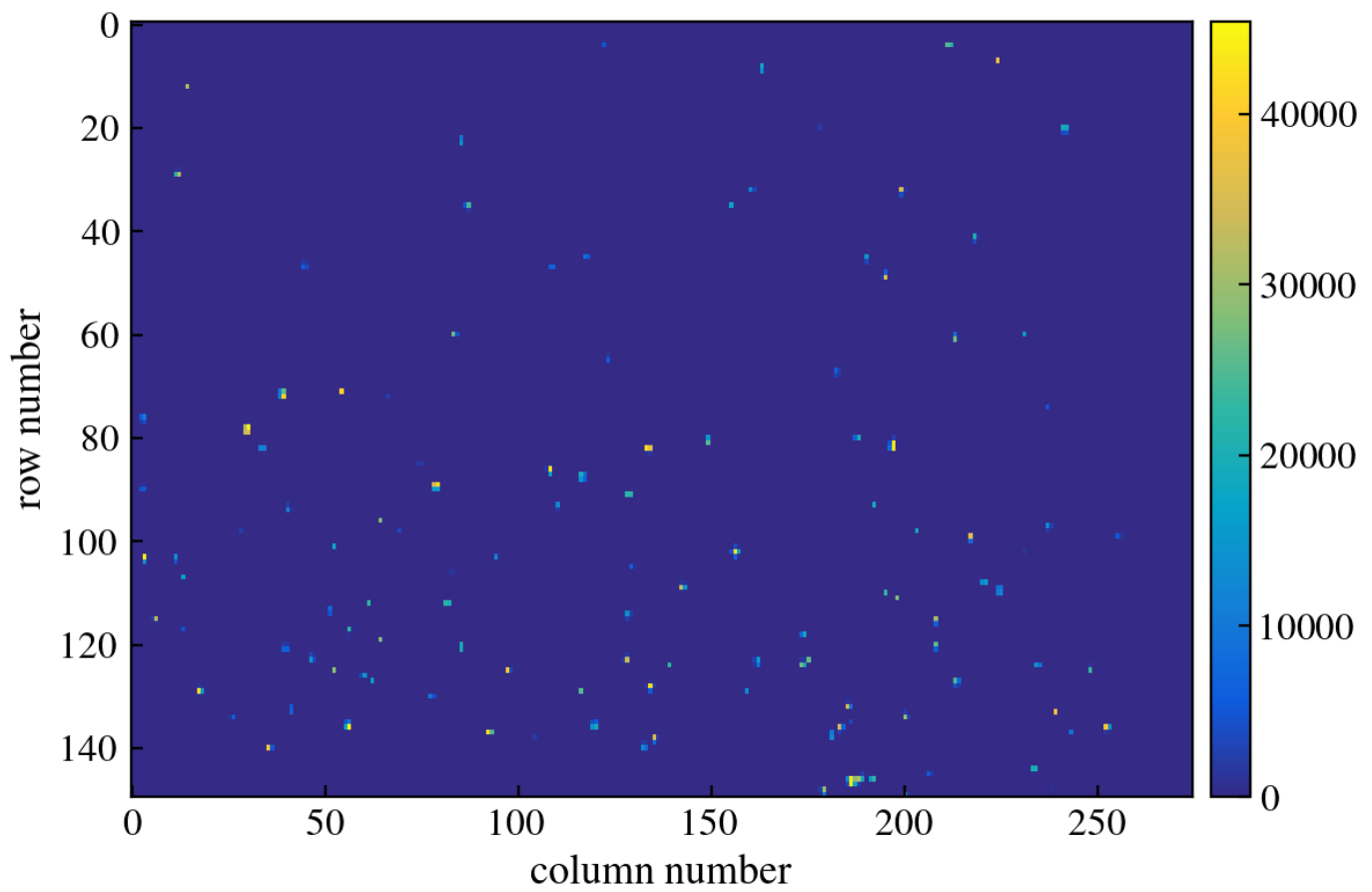


Figure 287: CCD Image

CCD Image: run 154, image 329  
[class MECCDImage]

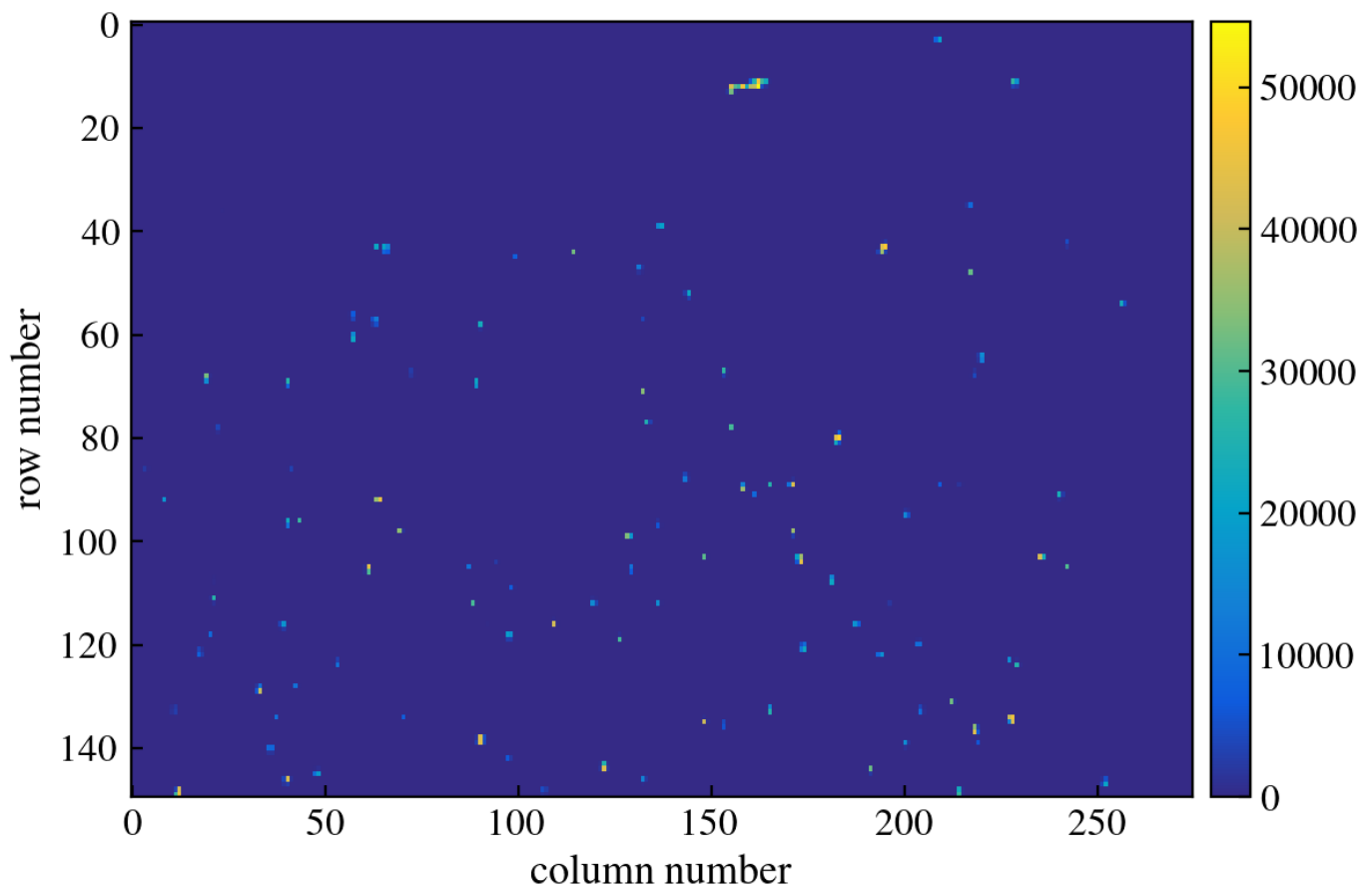


Figure 288: CCD Image

CCD Image: run 154, image 33  
[class MECCDImage]

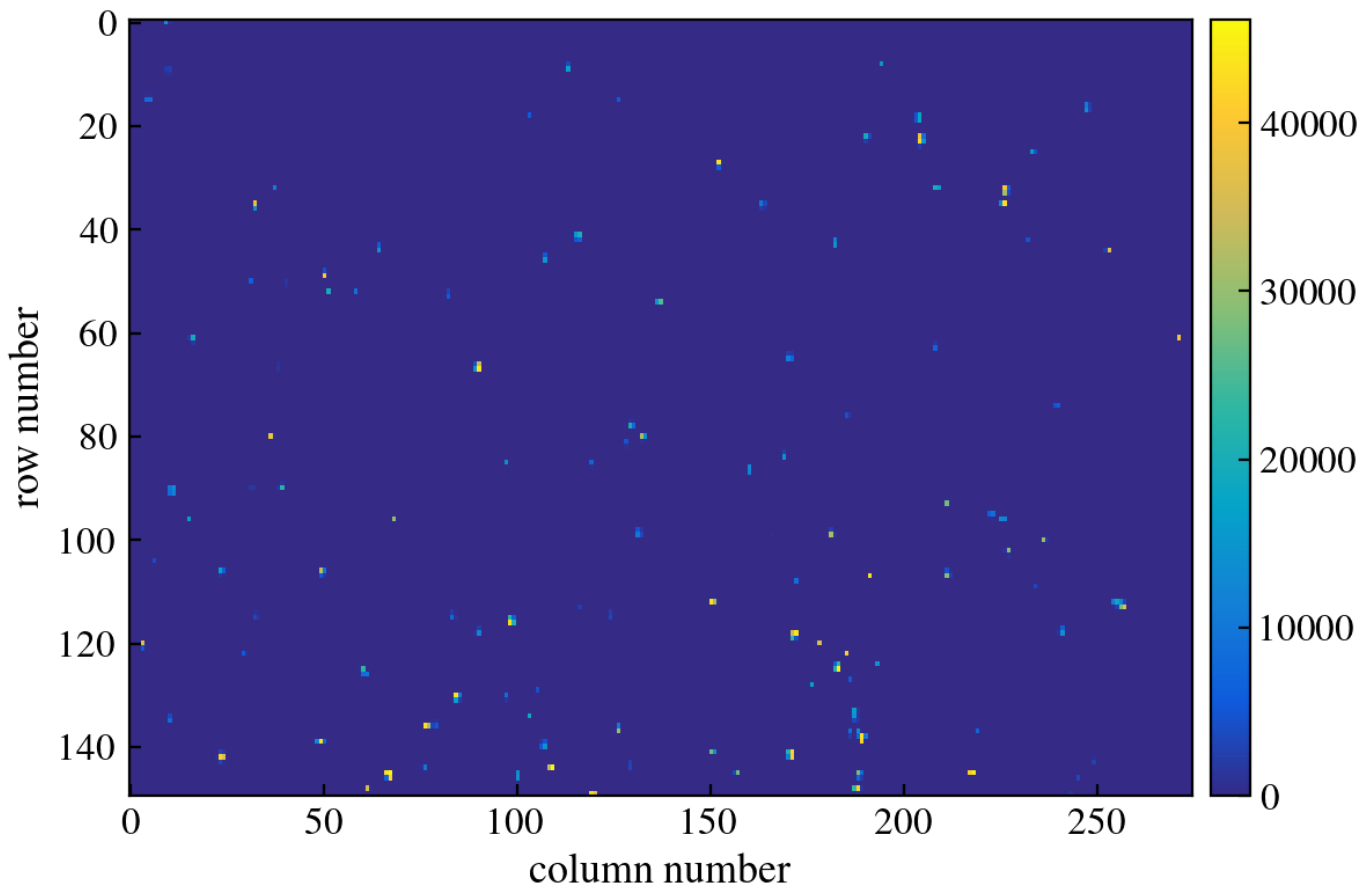


Figure 289: CCD Image

CCD Image: run 154, image 330  
[class MECCDImage]

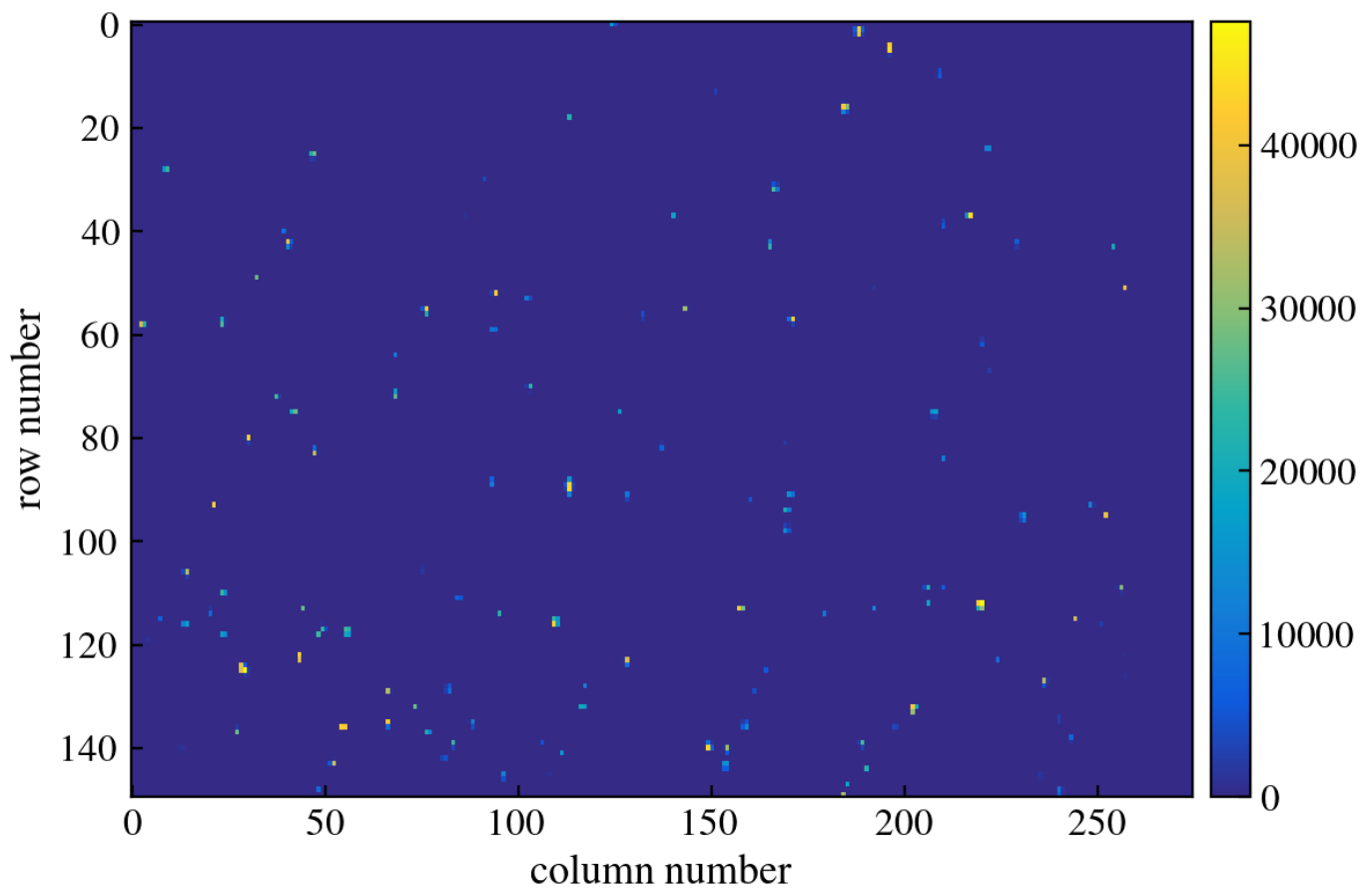


Figure 290: CCD Image

CCD Image: run 154, image 331  
[class MECCDImage]

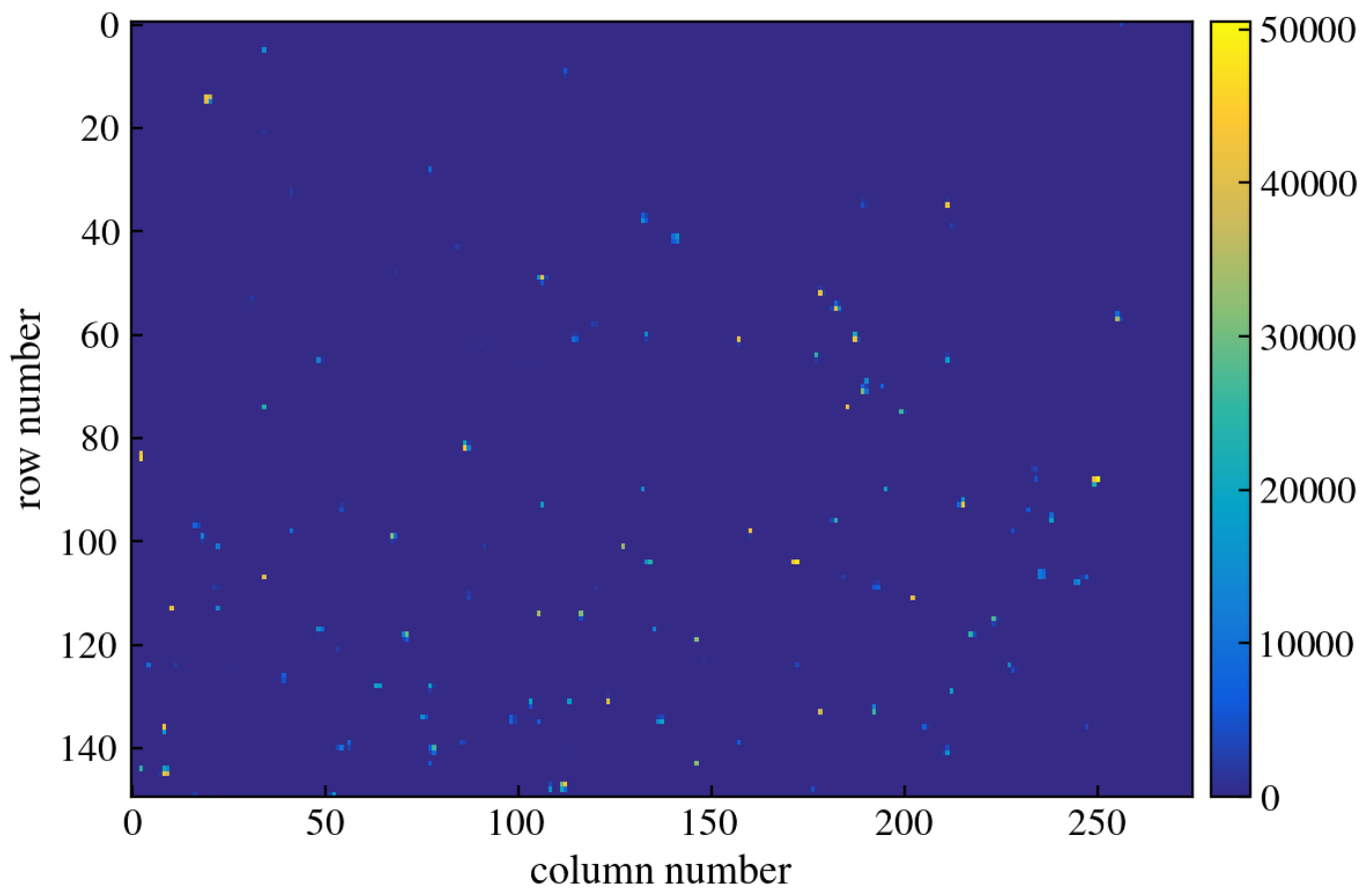


Figure 291: CCD Image



CCD Image: run 154, image 332  
[class MECCDImage]

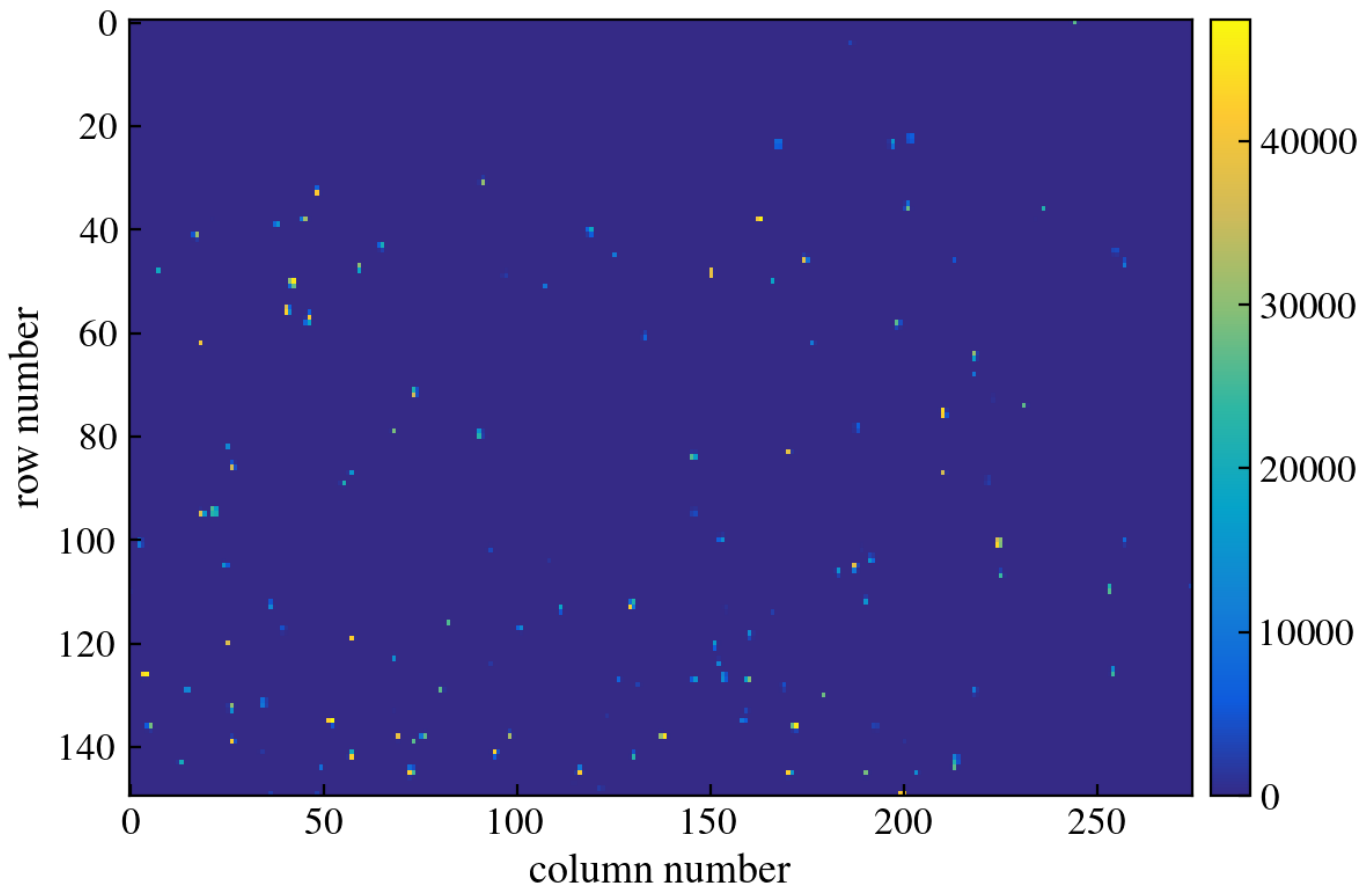


Figure 292: CCD Image

CCD Image: run 154, image 333  
[class MECCDImage]

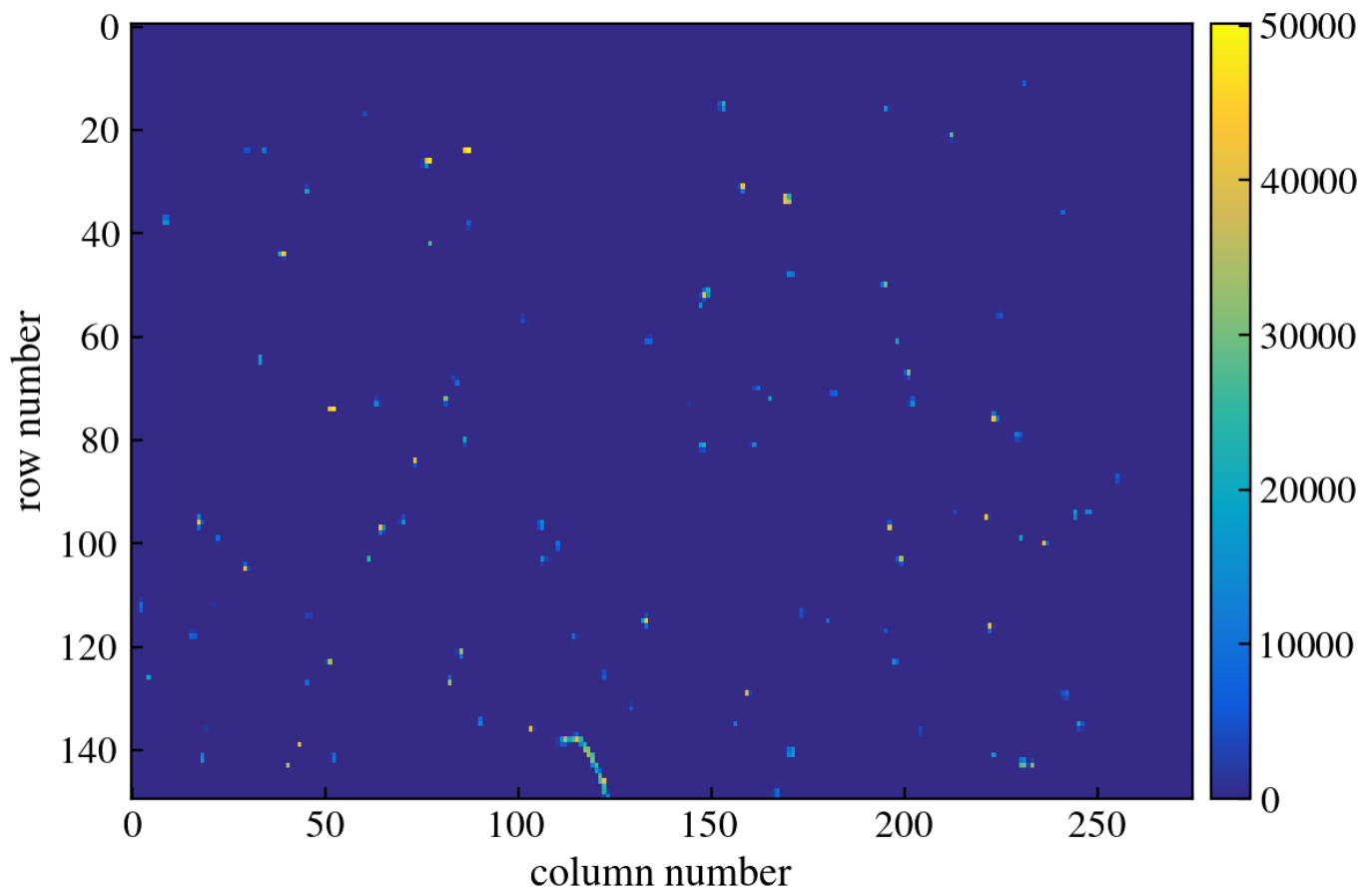


Figure 293: CCD Image

CCD Image: run 154, image 334  
[class MECCDImage]

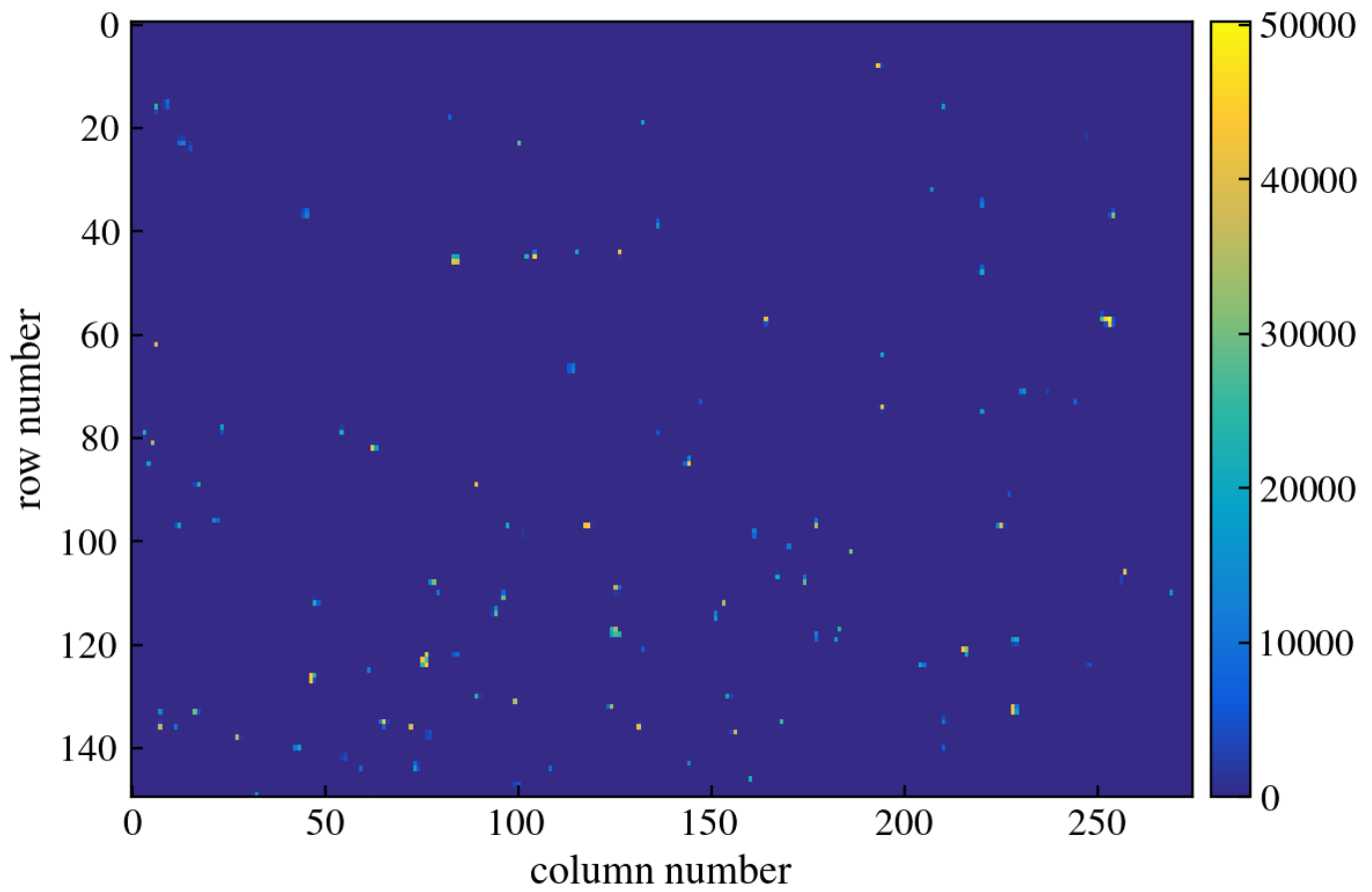


Figure 294: CCD Image

CCD Image: run 154, image 335  
[class MECCDImage]

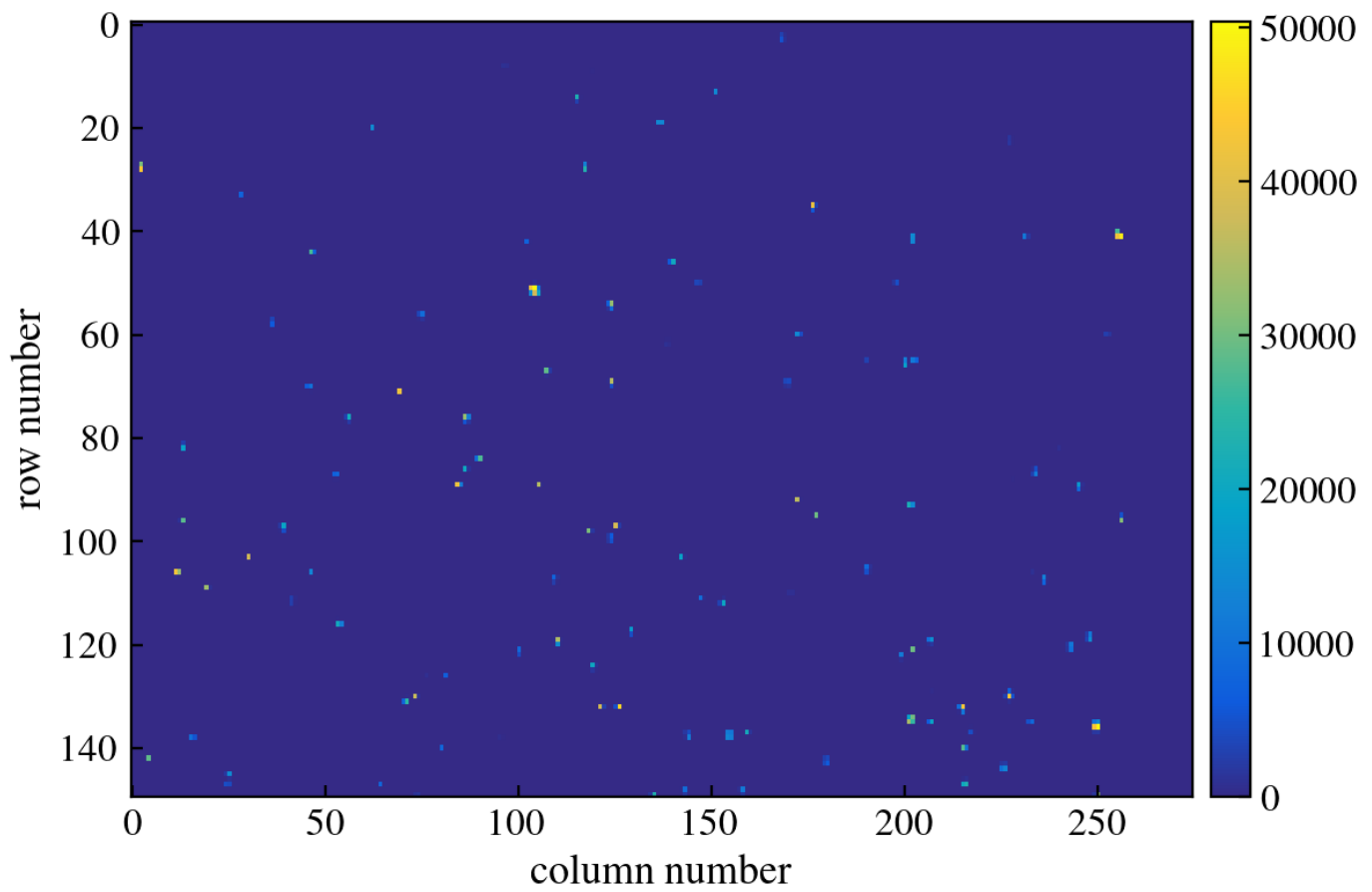


Figure 295: CCD Image

CCD Image: run 154, image 336  
[class MECCDImage]

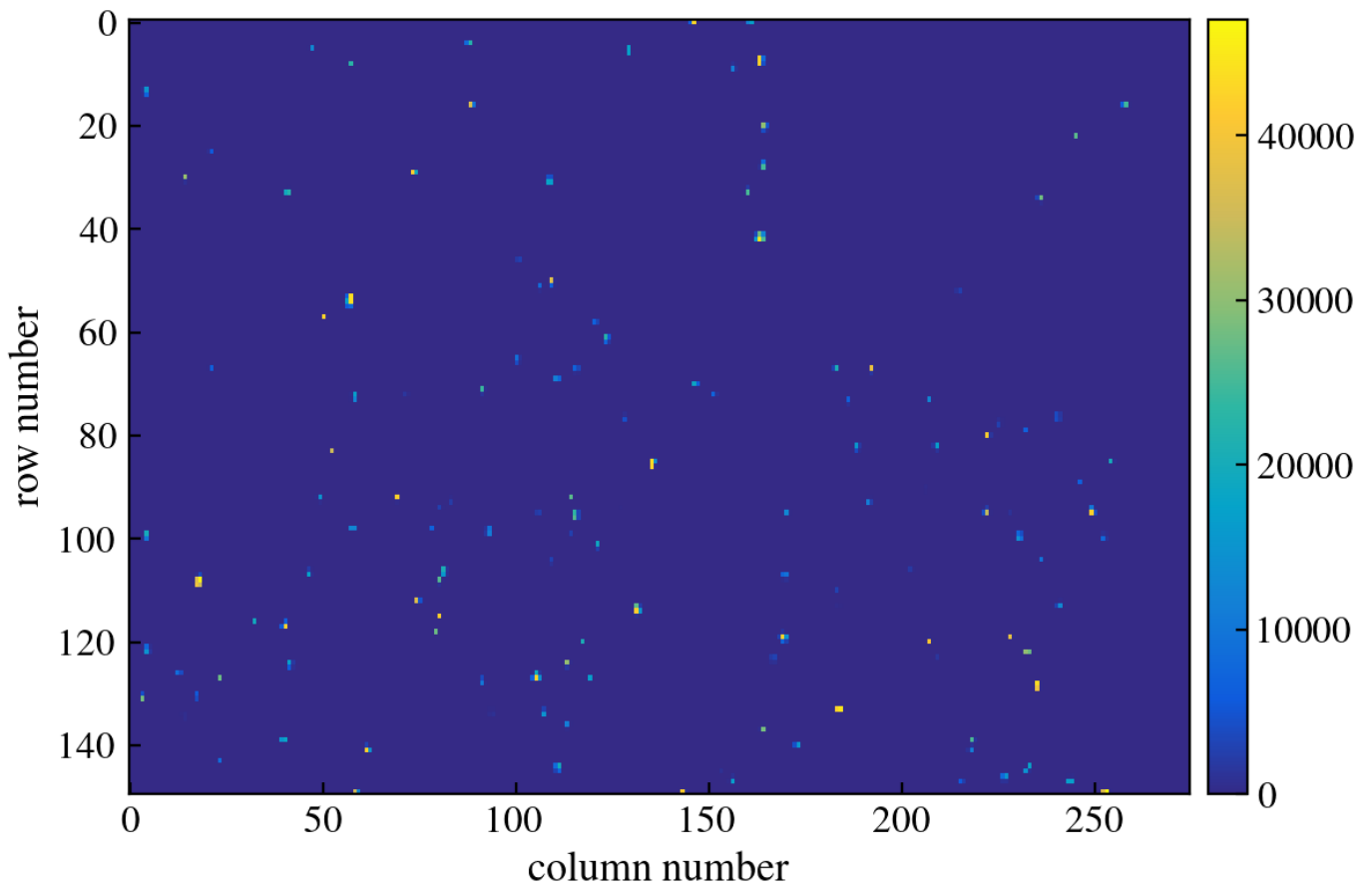


Figure 296: CCD Image

CCD Image: run 154, image 337  
[class MECCDImage]

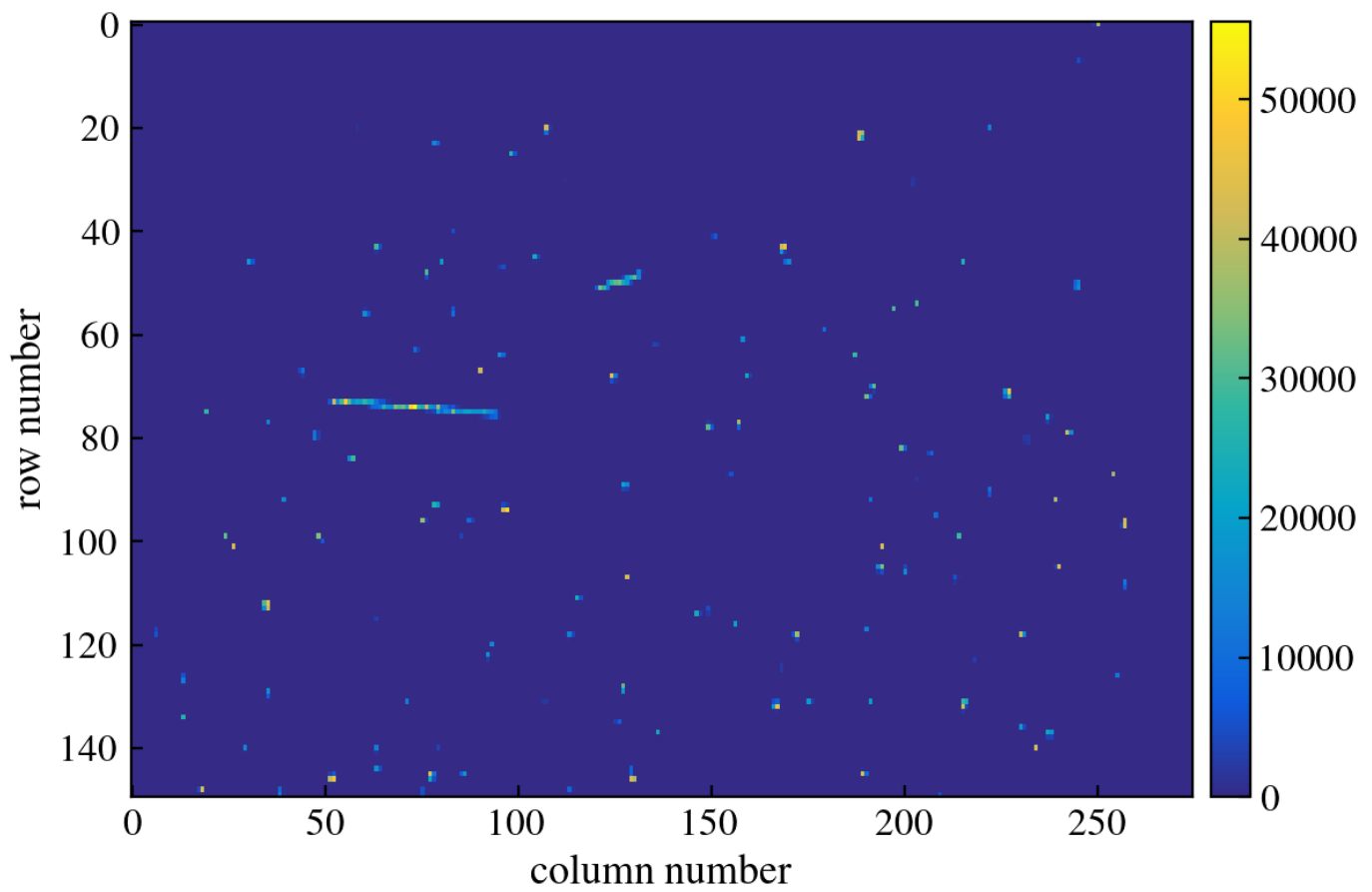


Figure 297: CCD Image

CCD Image: run 154, image 338  
[class MECCDImage]

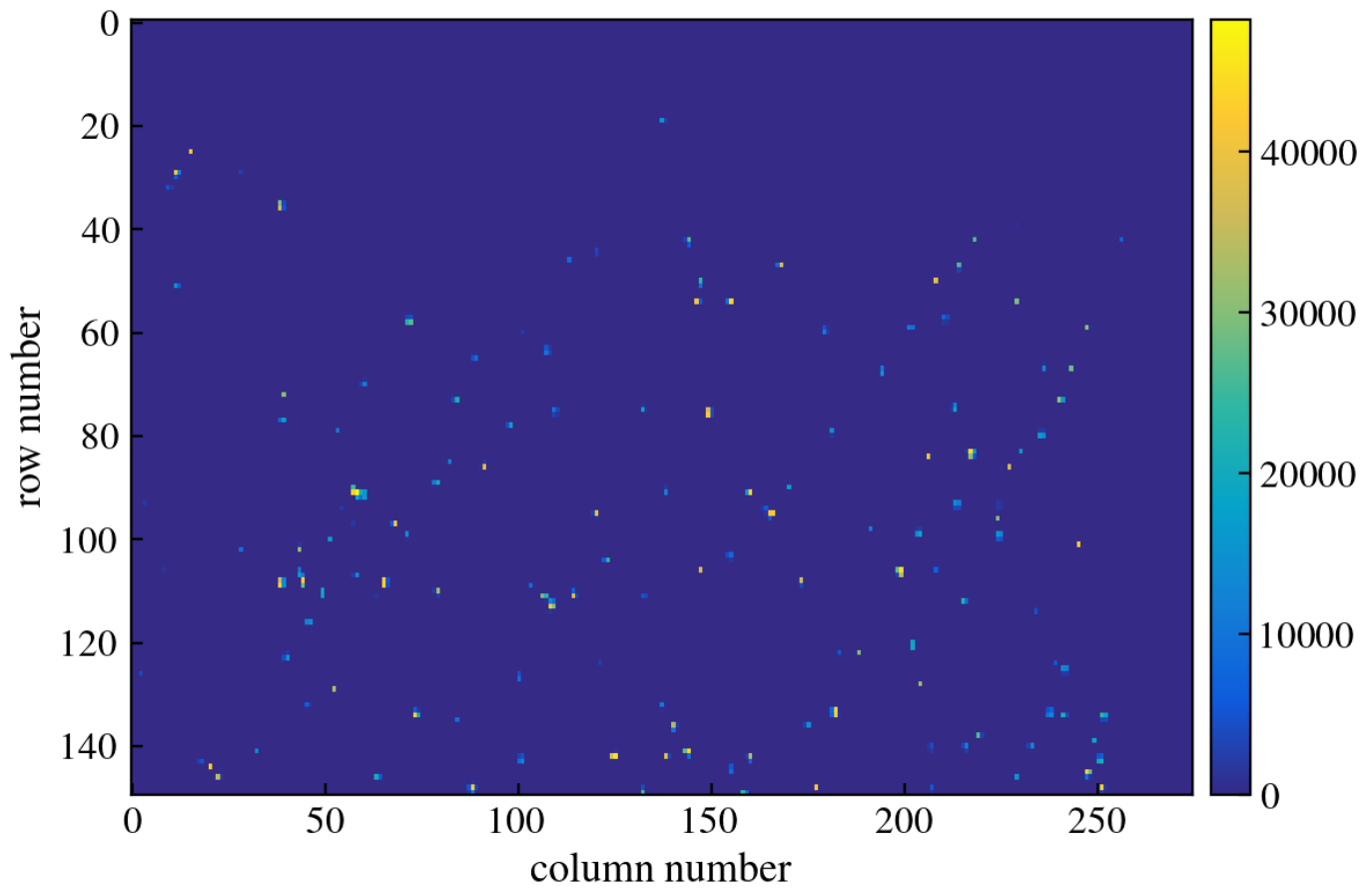


Figure 298: CCD Image

CCD Image: run 154, image 339  
[class MECCDImage]

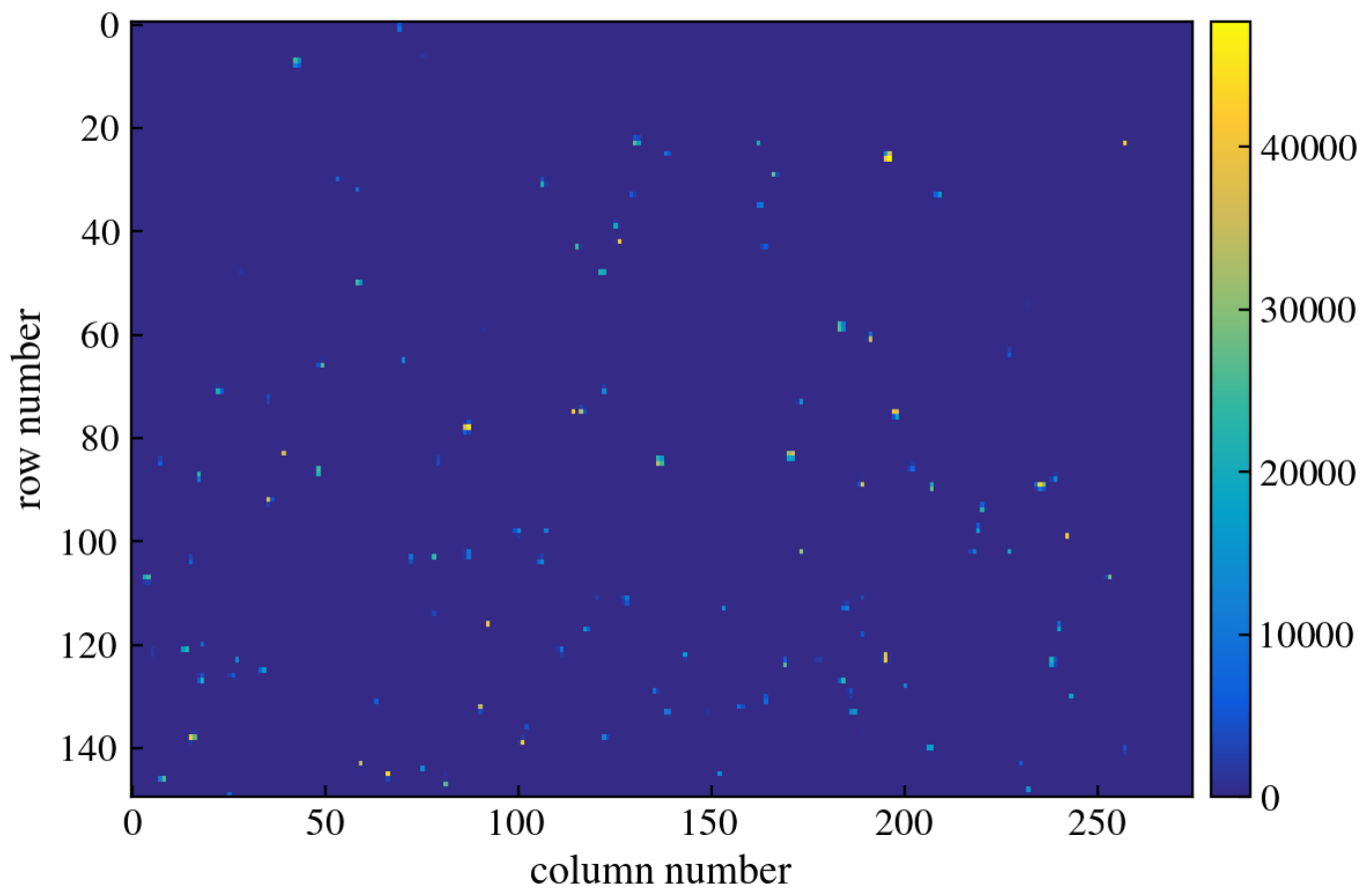


Figure 299: CCD Image



CCD Image: run 154, image 34  
[class MECCDImage]

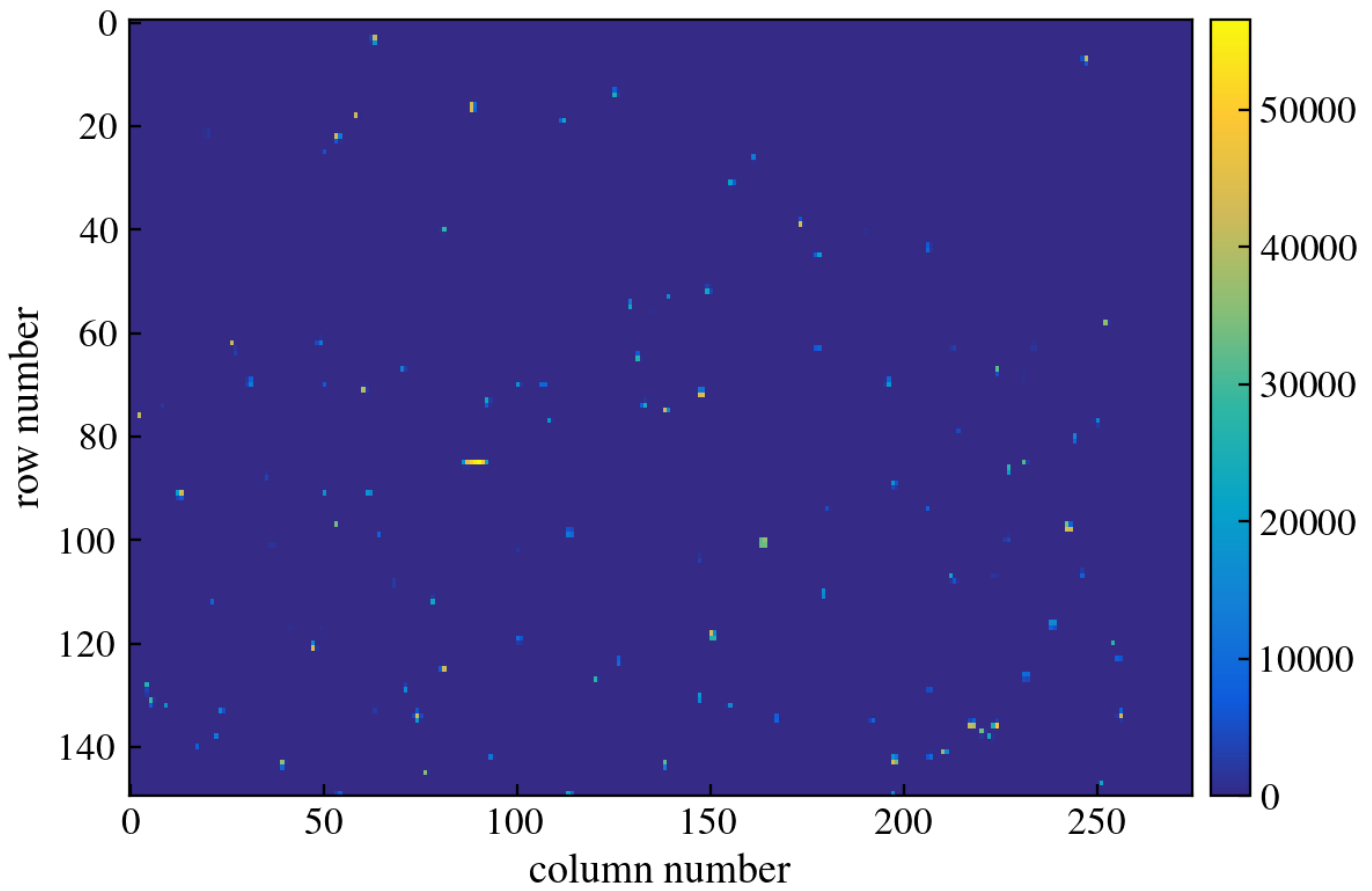


Figure 300: CCD Image

CCD Image: run 154, image 340  
[class MECCDImage]

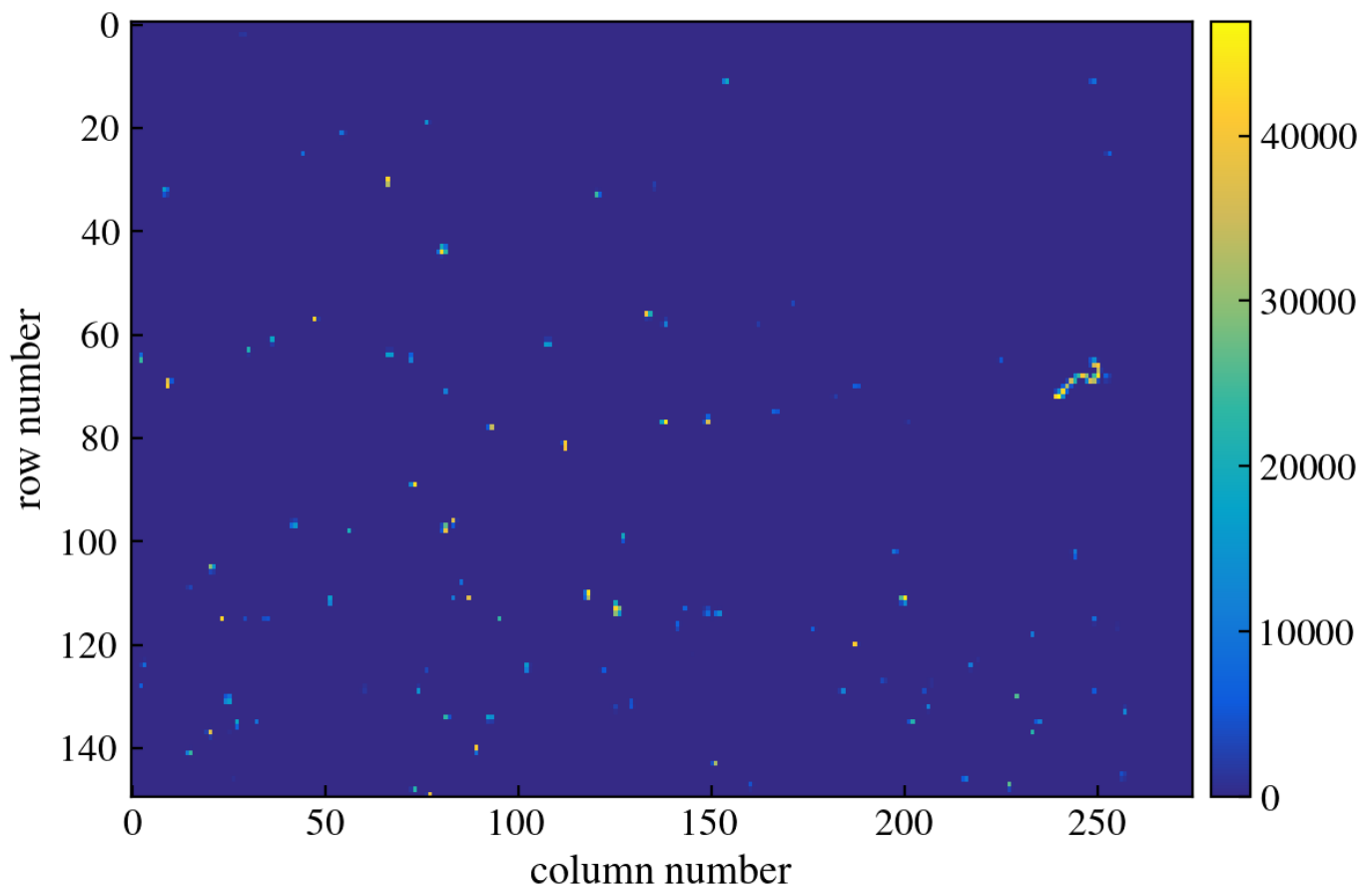


Figure 301: CCD Image

CCD Image: run 154, image 341  
[class MECCDImage]

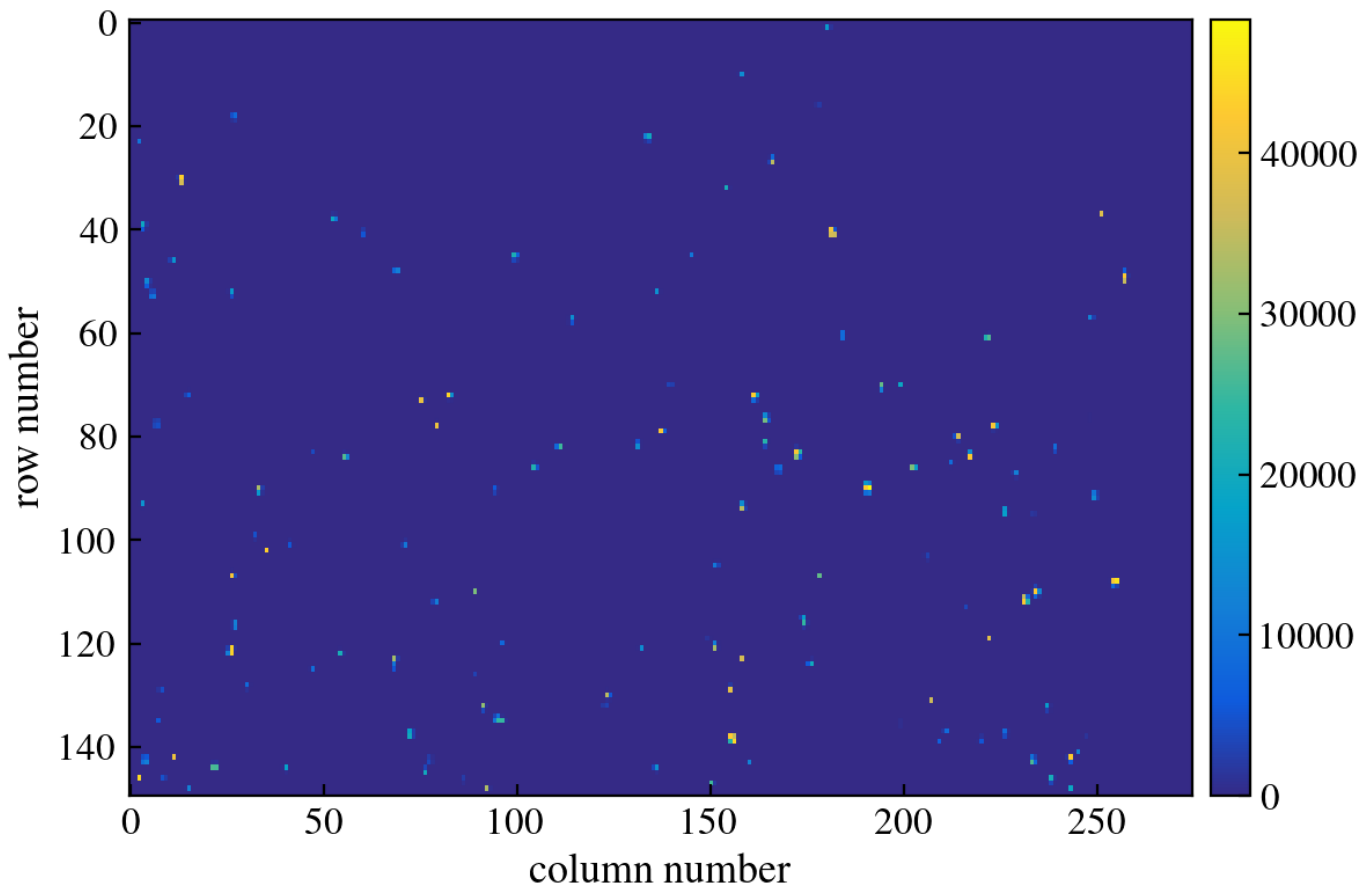


Figure 302: CCD Image

CCD Image: run 154, image 342  
[class MECCDImage]

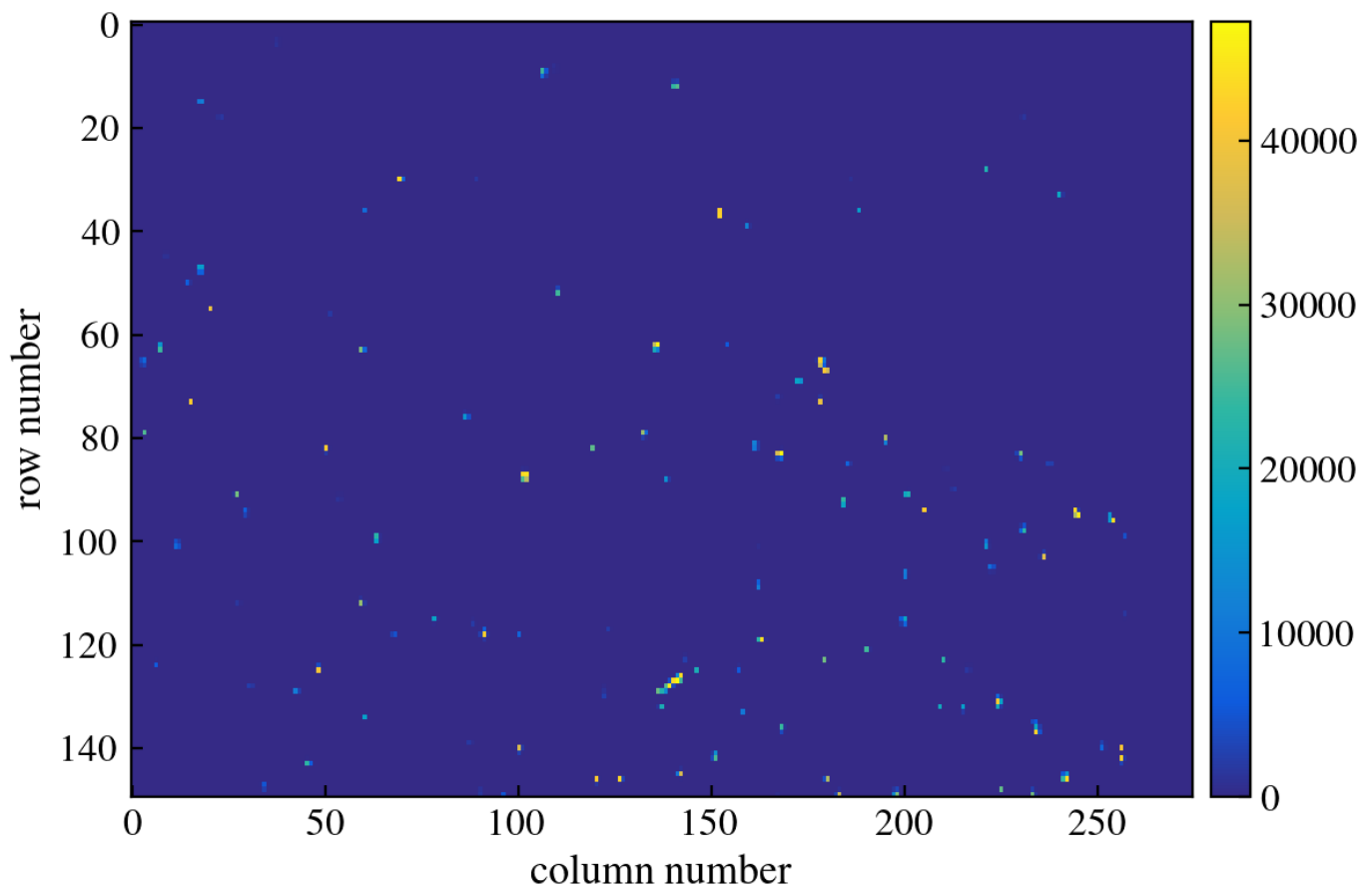


Figure 303: CCD Image

CCD Image: run 154, image 343  
[class MECCDImage]

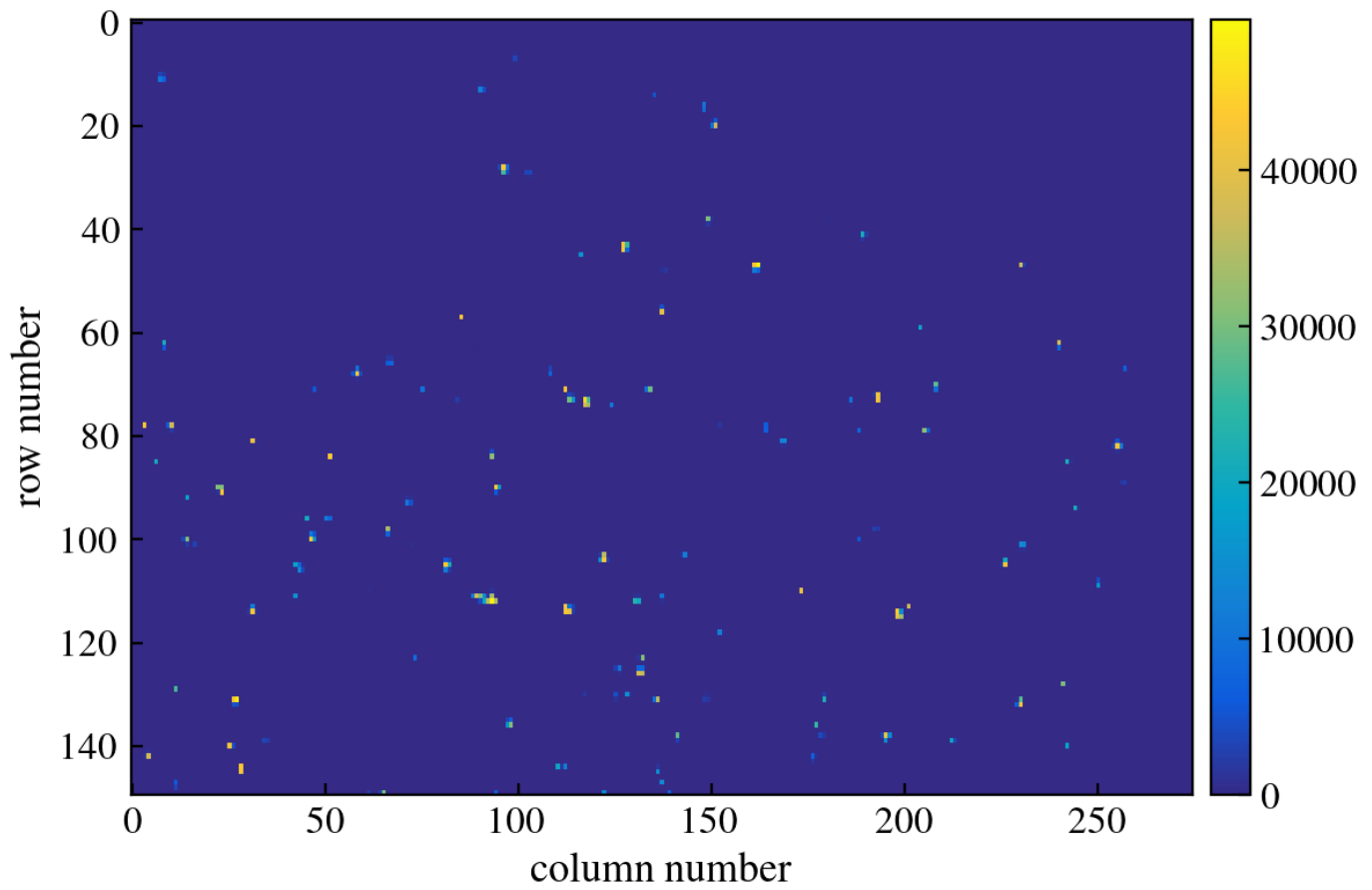


Figure 304: CCD Image

CCD Image: run 154, image 344  
[class MECCDImage]

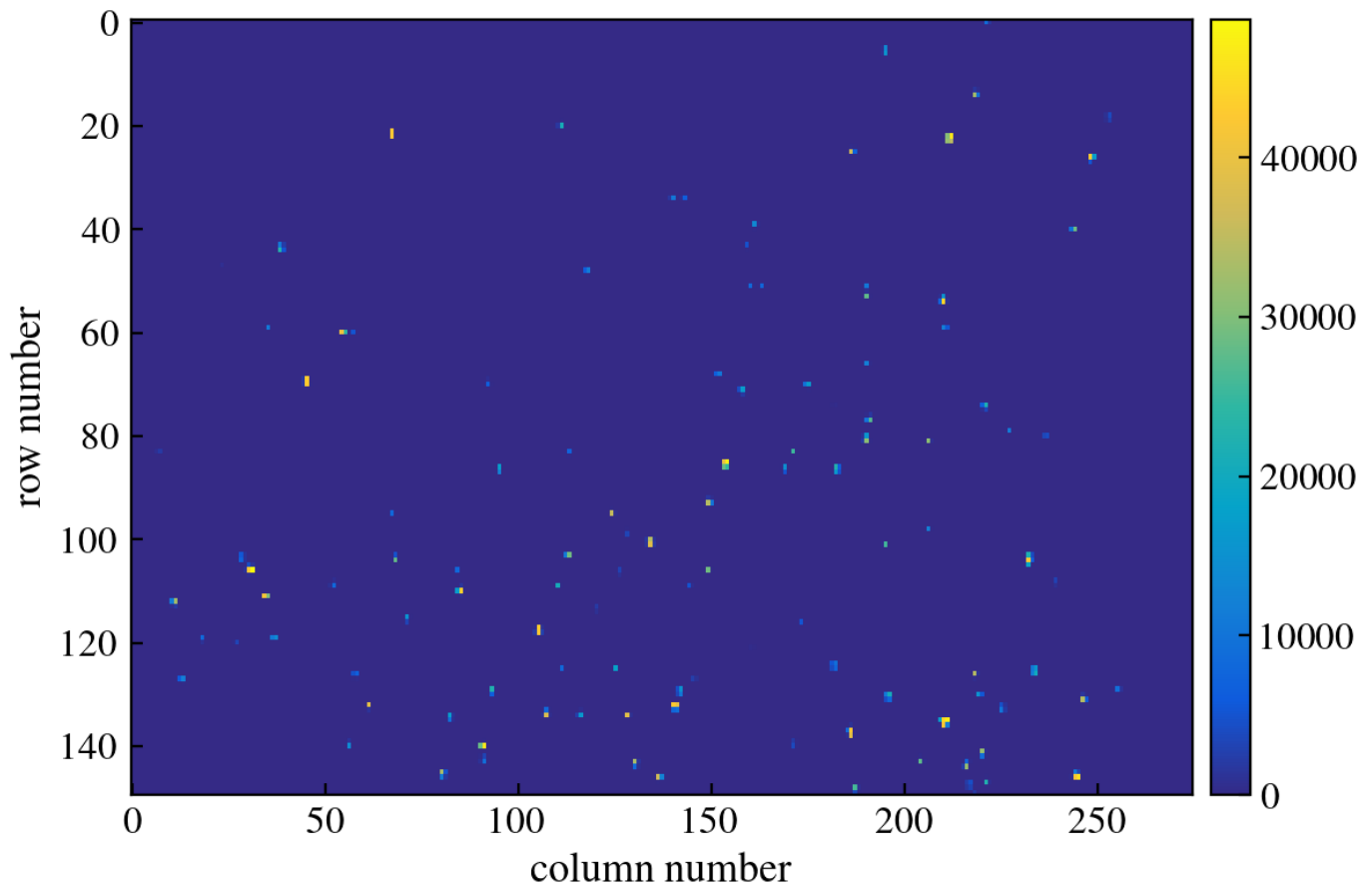


Figure 305: CCD Image

CCD Image: run 154, image 345  
[class MECCDImage]

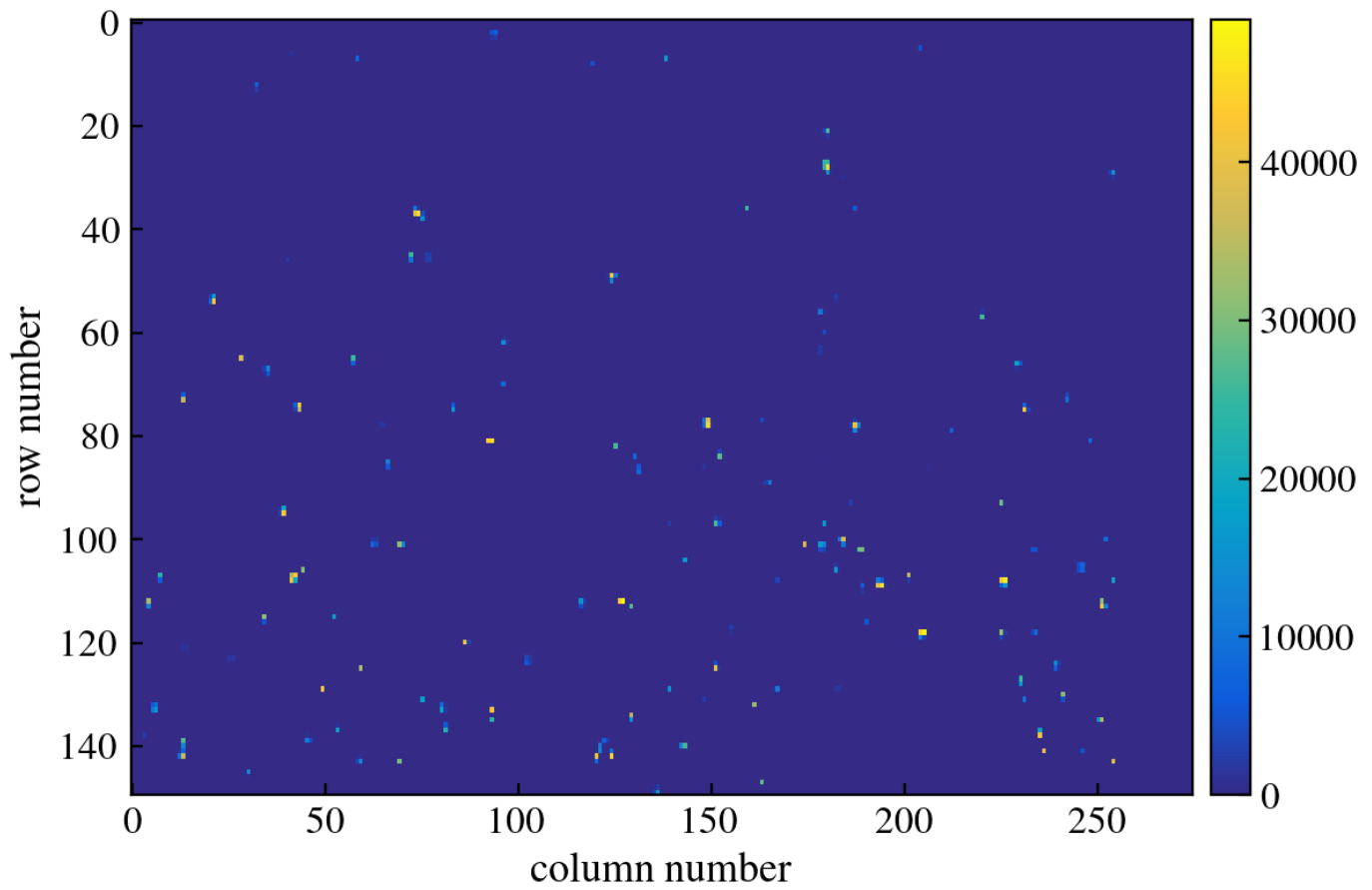


Figure 306: CCD Image

CCD Image: run 154, image 346  
[class MECCDImage]

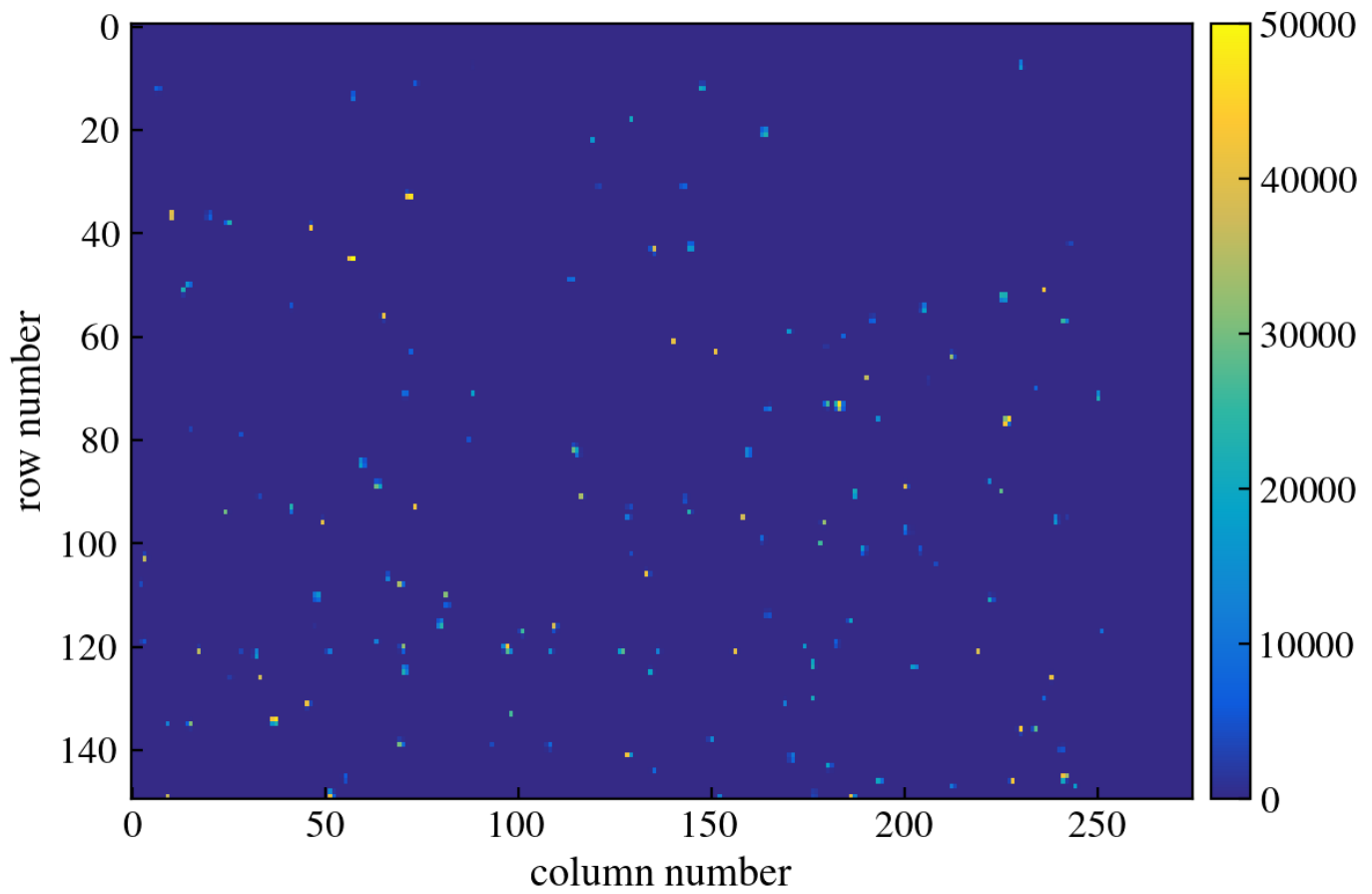


Figure 307: CCD Image



CCD Image: run 154, image 347  
[class MECCDImage]

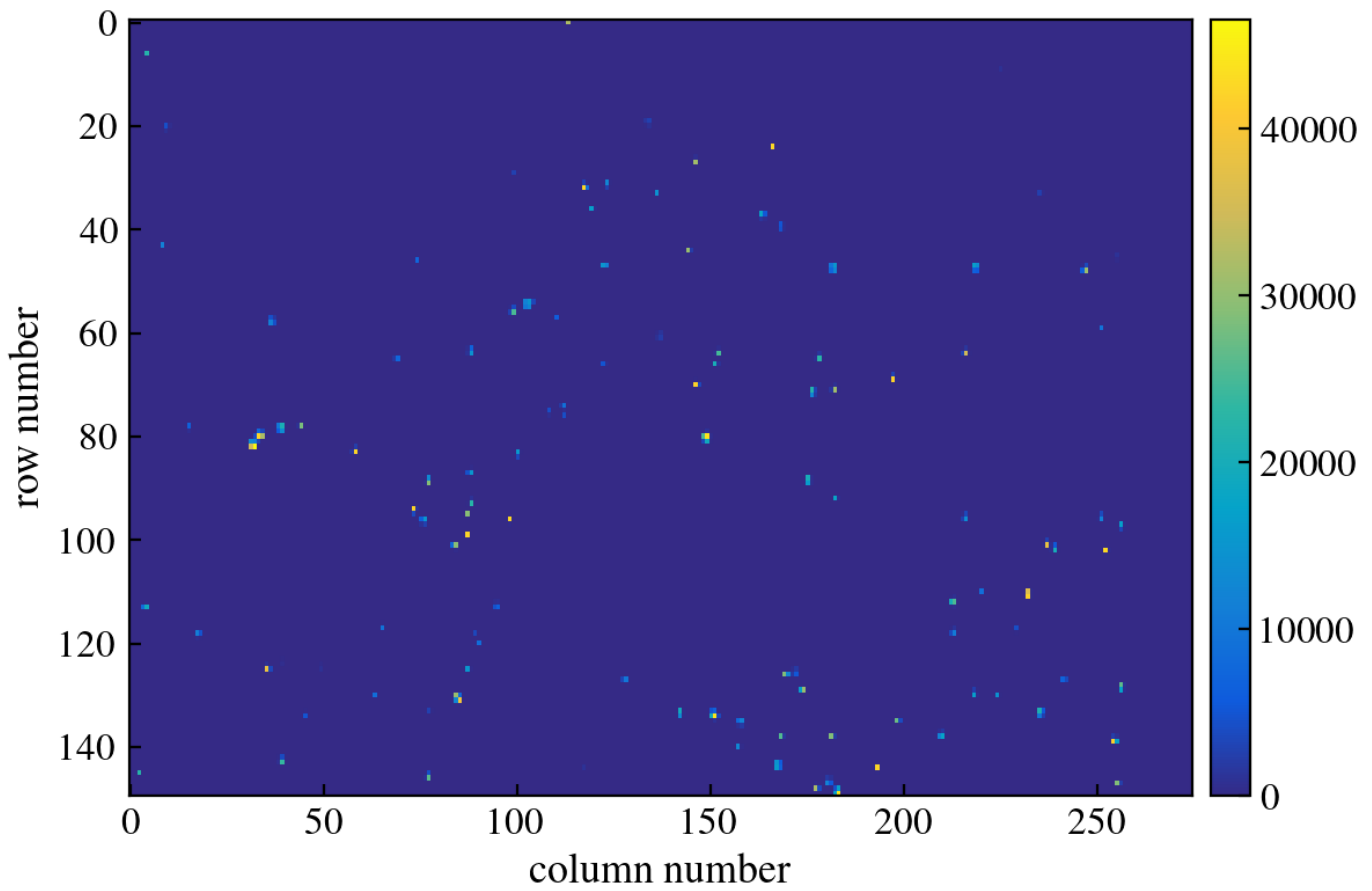


Figure 308: CCD Image

CCD Image: run 154, image 348  
[class MECCDImage]

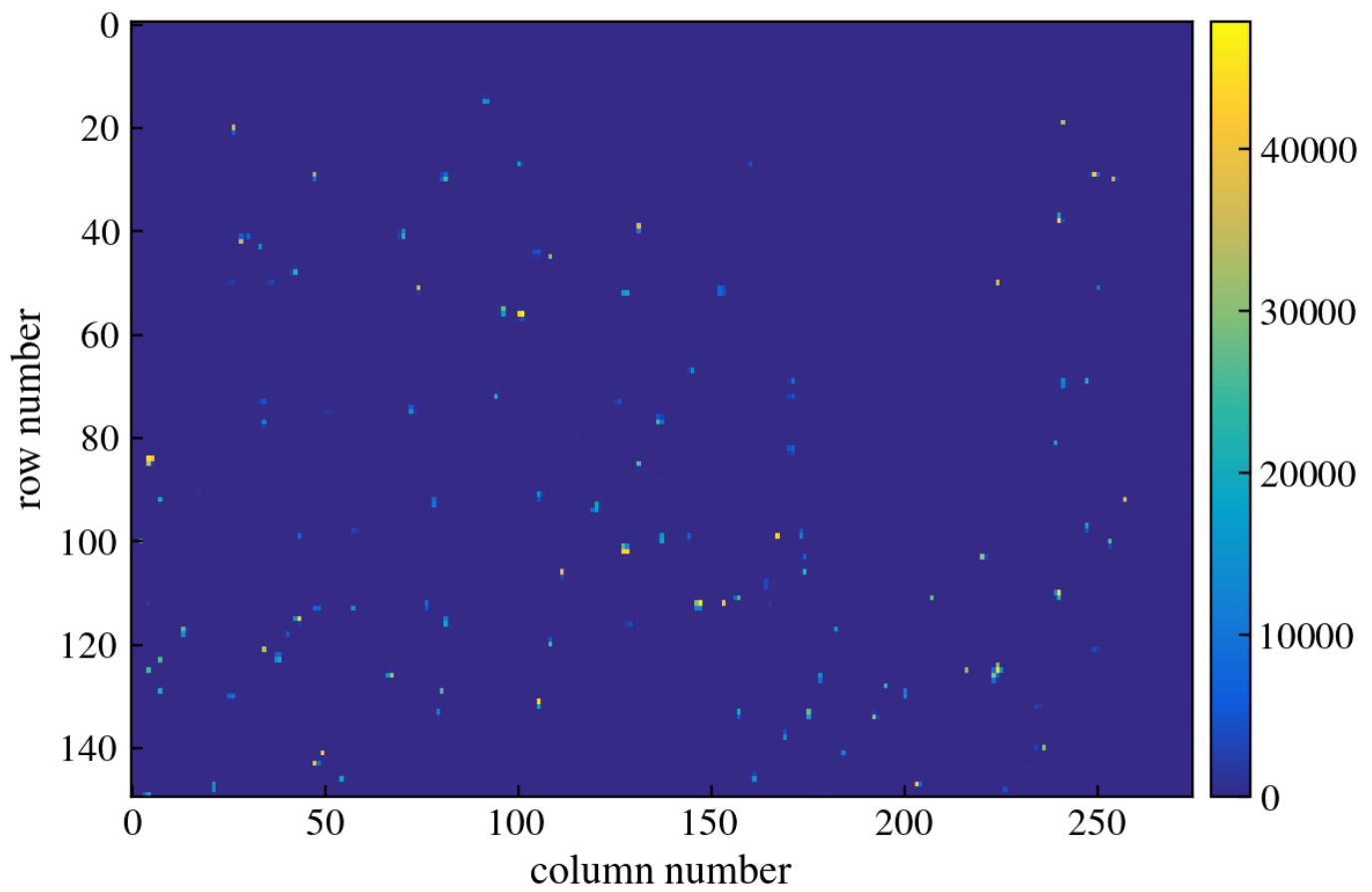


Figure 309: CCD Image

CCD Image: run 154, image 349  
[class MECCDImage]

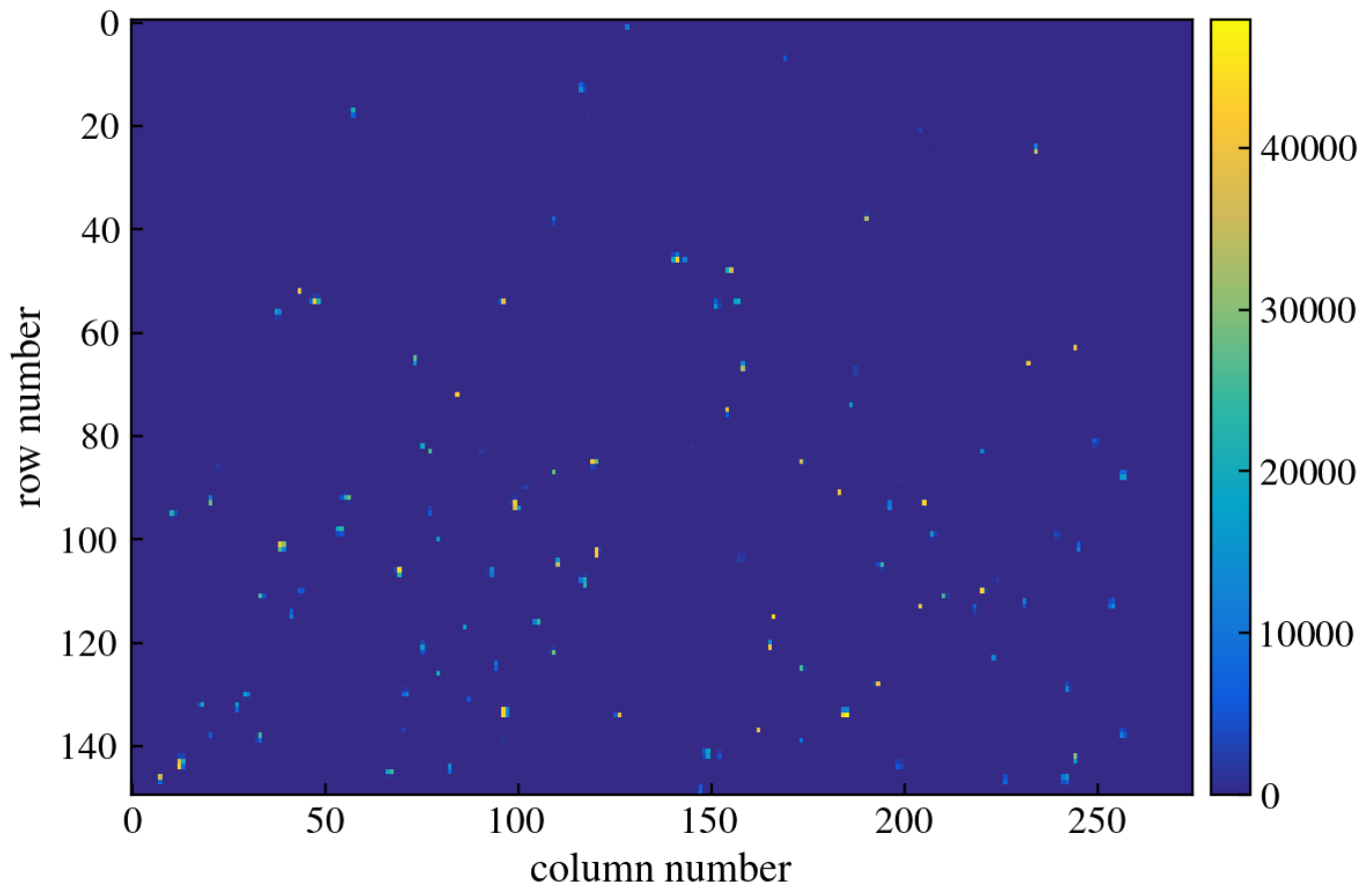


Figure 310: CCD Image

CCD Image: run 154, image 35  
[class MECCDImage]

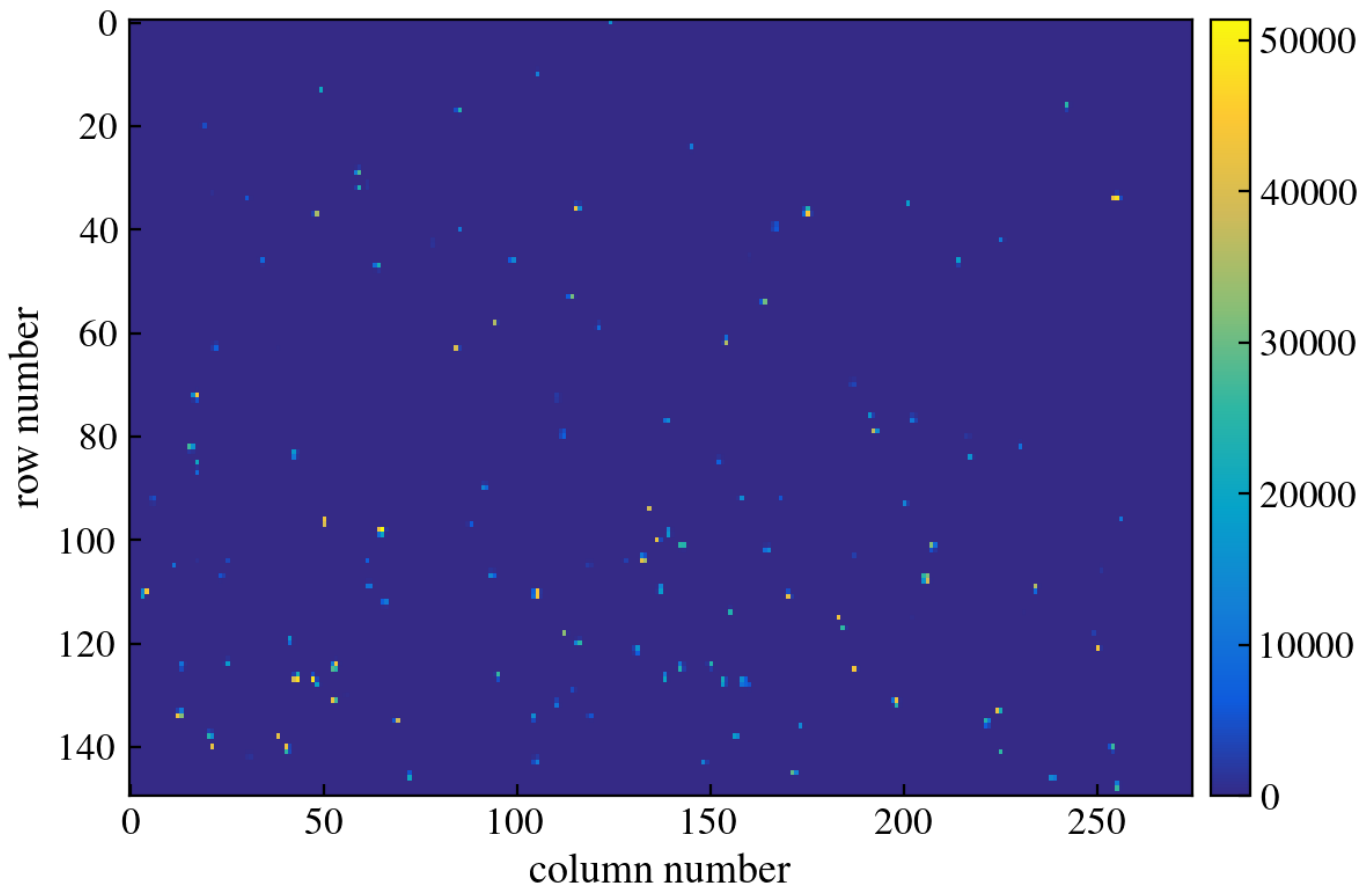


Figure 311: CCD Image

CCD Image: run 154, image 350  
[class MECCDImage]

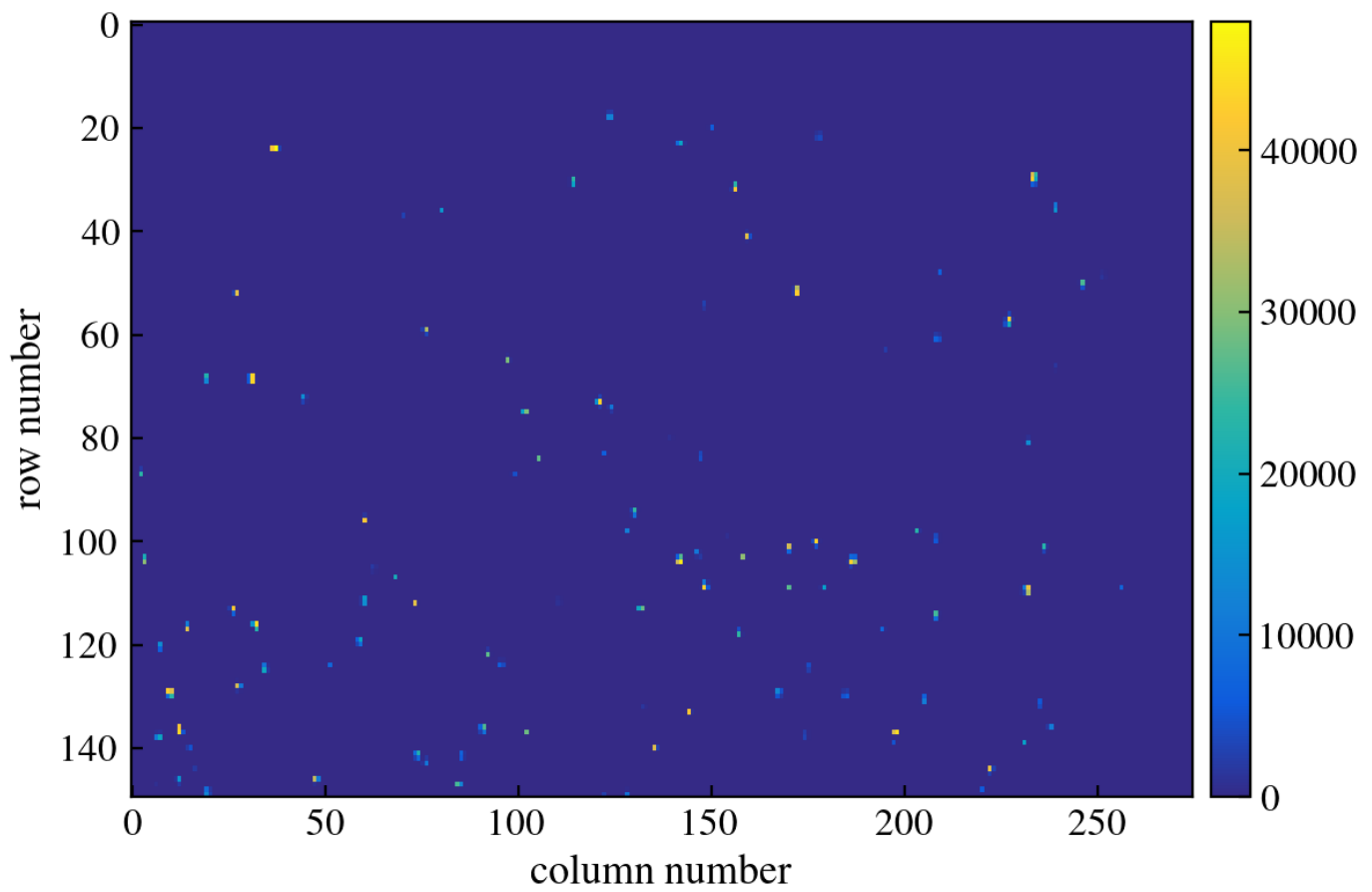


Figure 312: CCD Image

CCD Image: run 154, image 351  
[class MECCDImage]

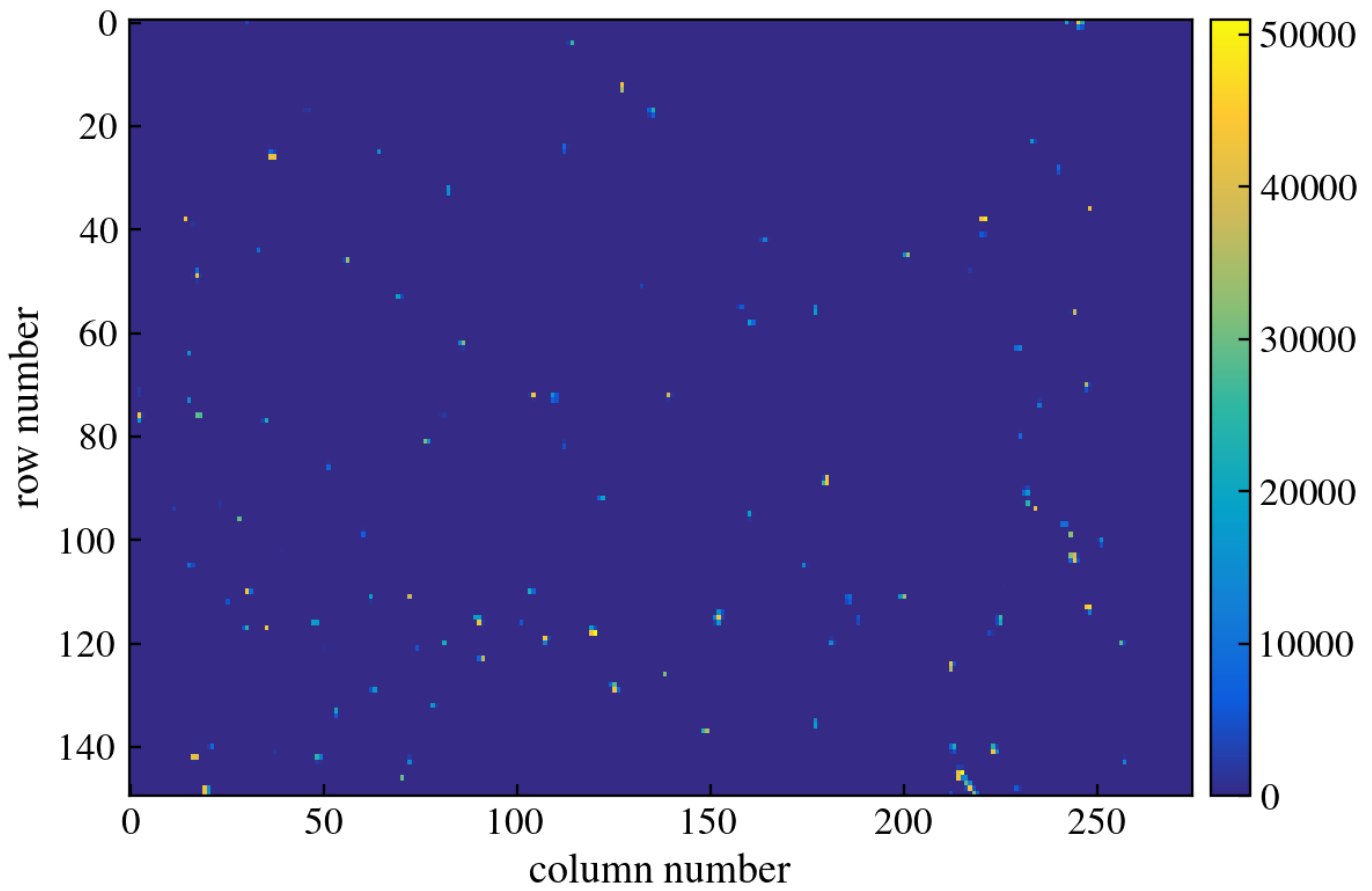


Figure 313: CCD Image

CCD Image: run 154, image 352  
[class MECCDImage]

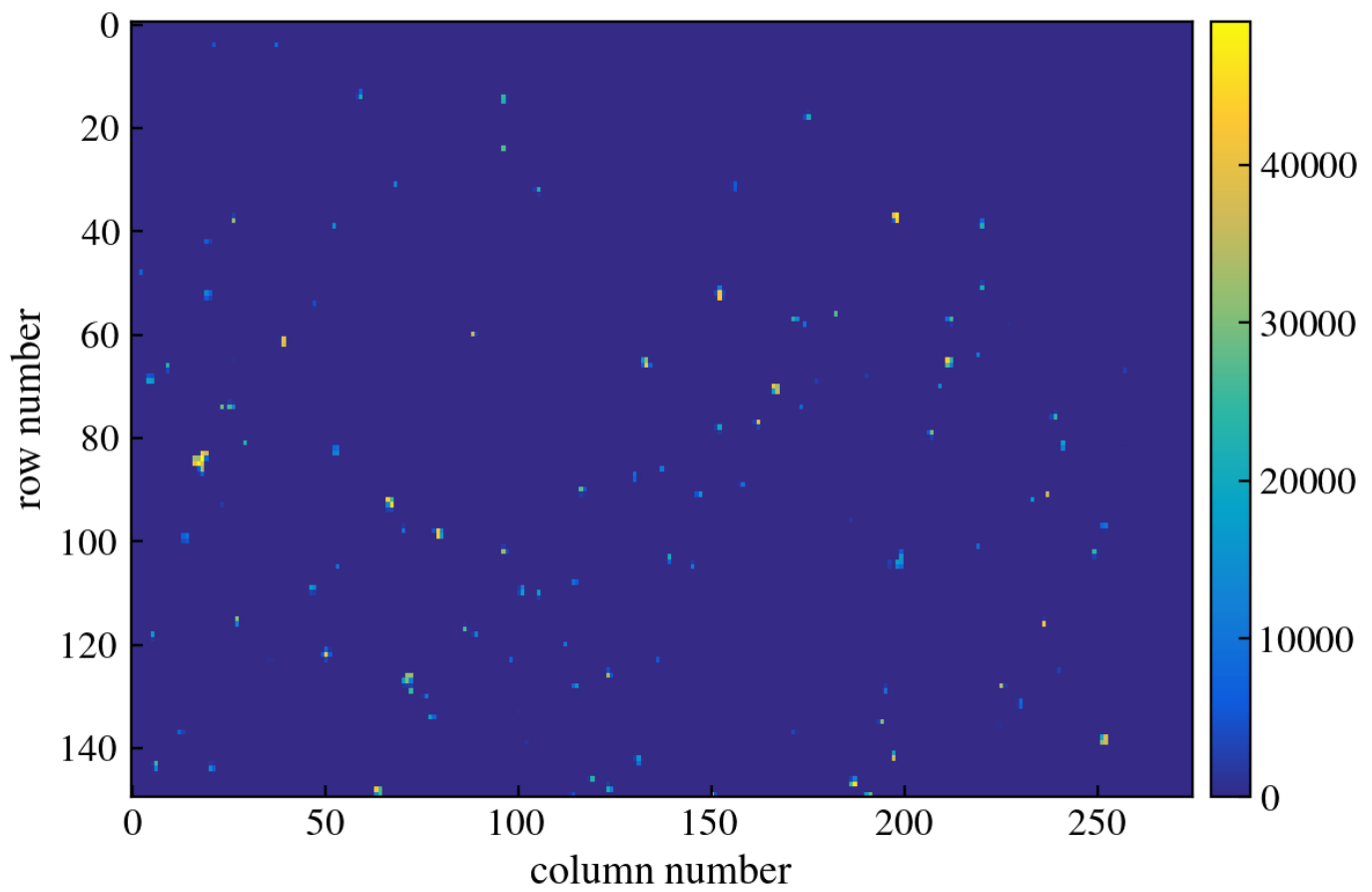


Figure 314: CCD Image

CCD Image: run 154, image 353  
[class MECCDImage]

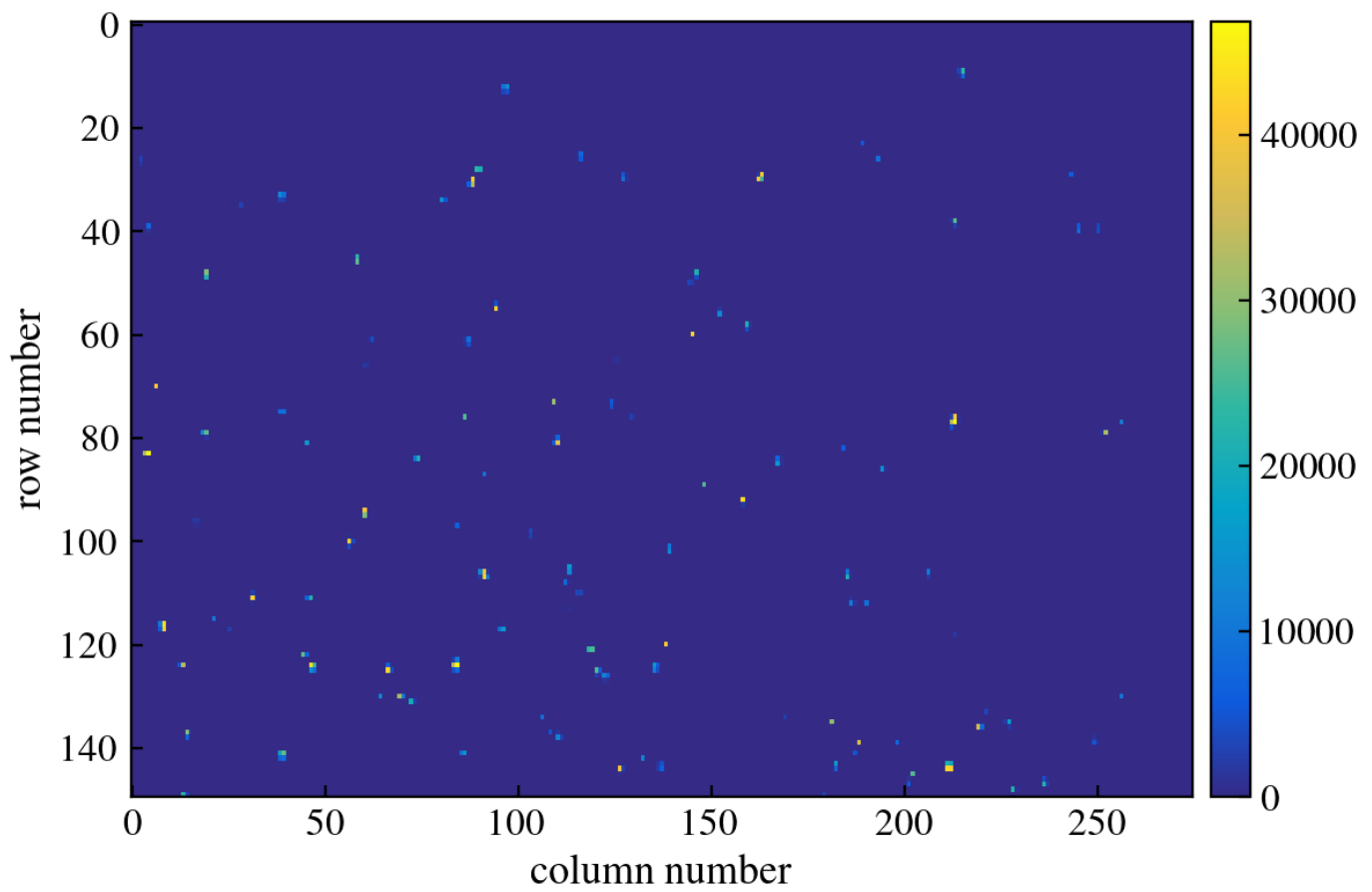


Figure 315: CCD Image



CCD Image: run 154, image 354  
[class MECCDImage]

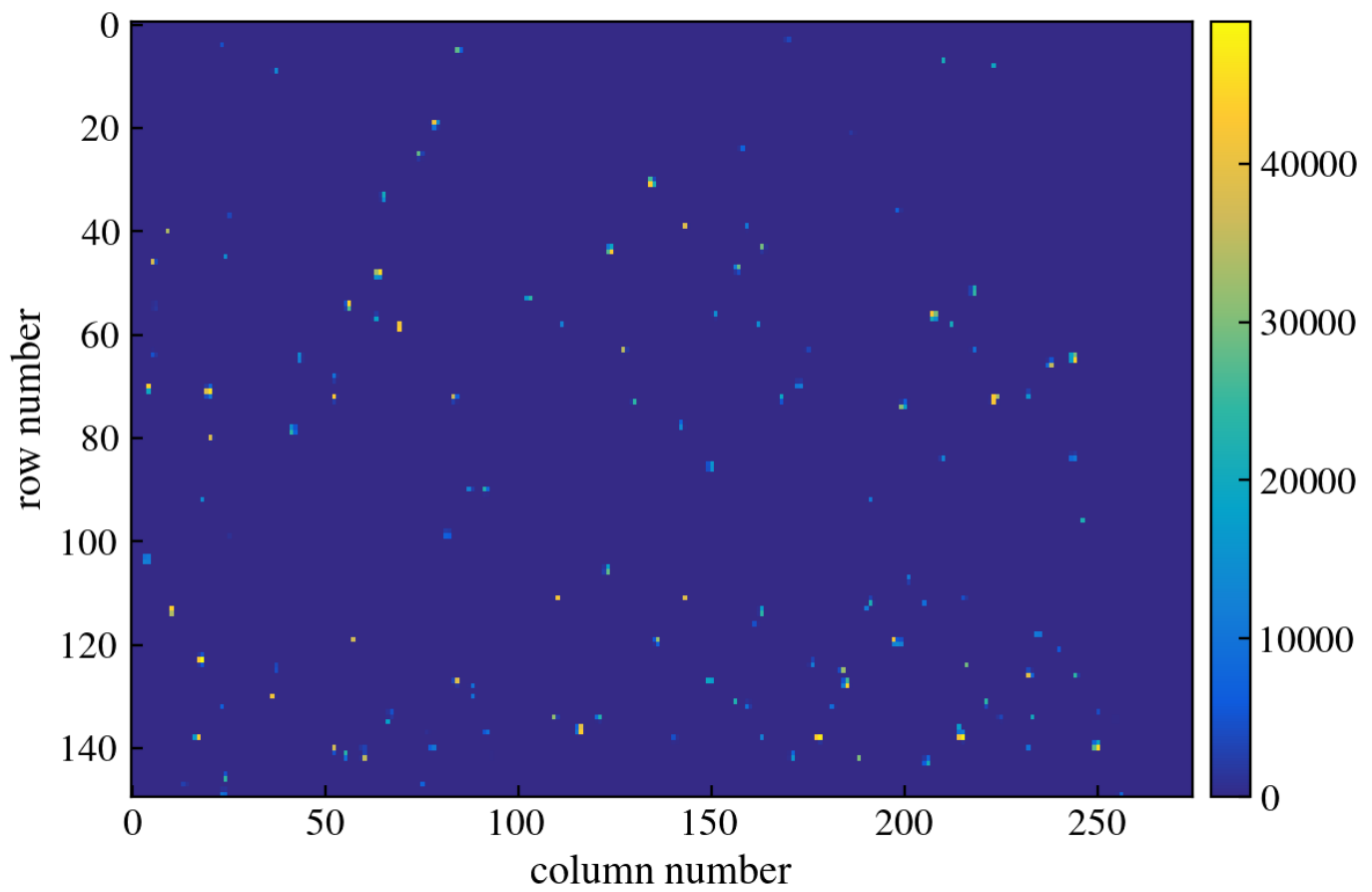


Figure 316: CCD Image

CCD Image: run 154, image 355  
[class MECCDImage]

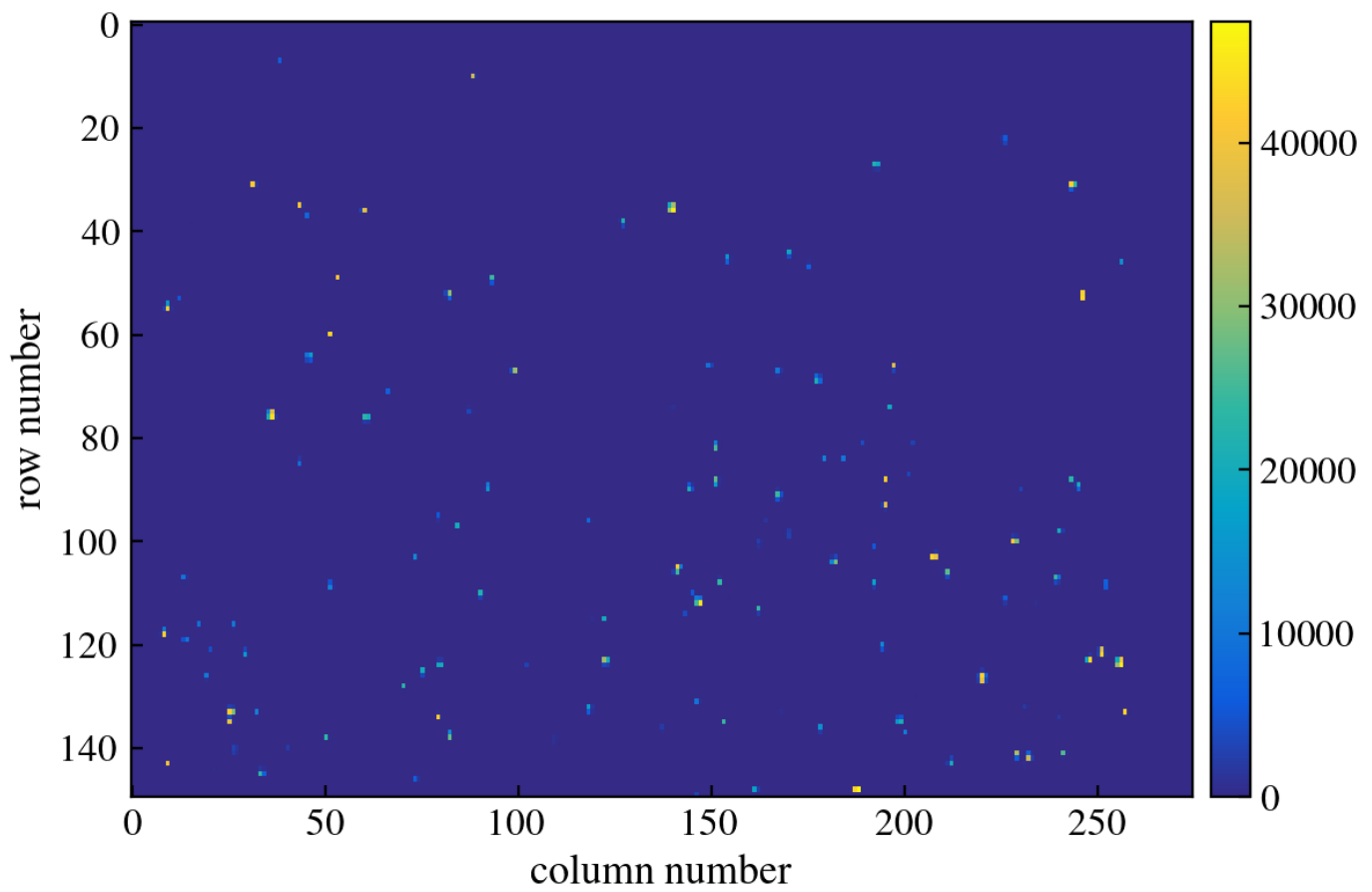


Figure 317: CCD Image

CCD Image: run 154, image 356  
[class MECCDImage]

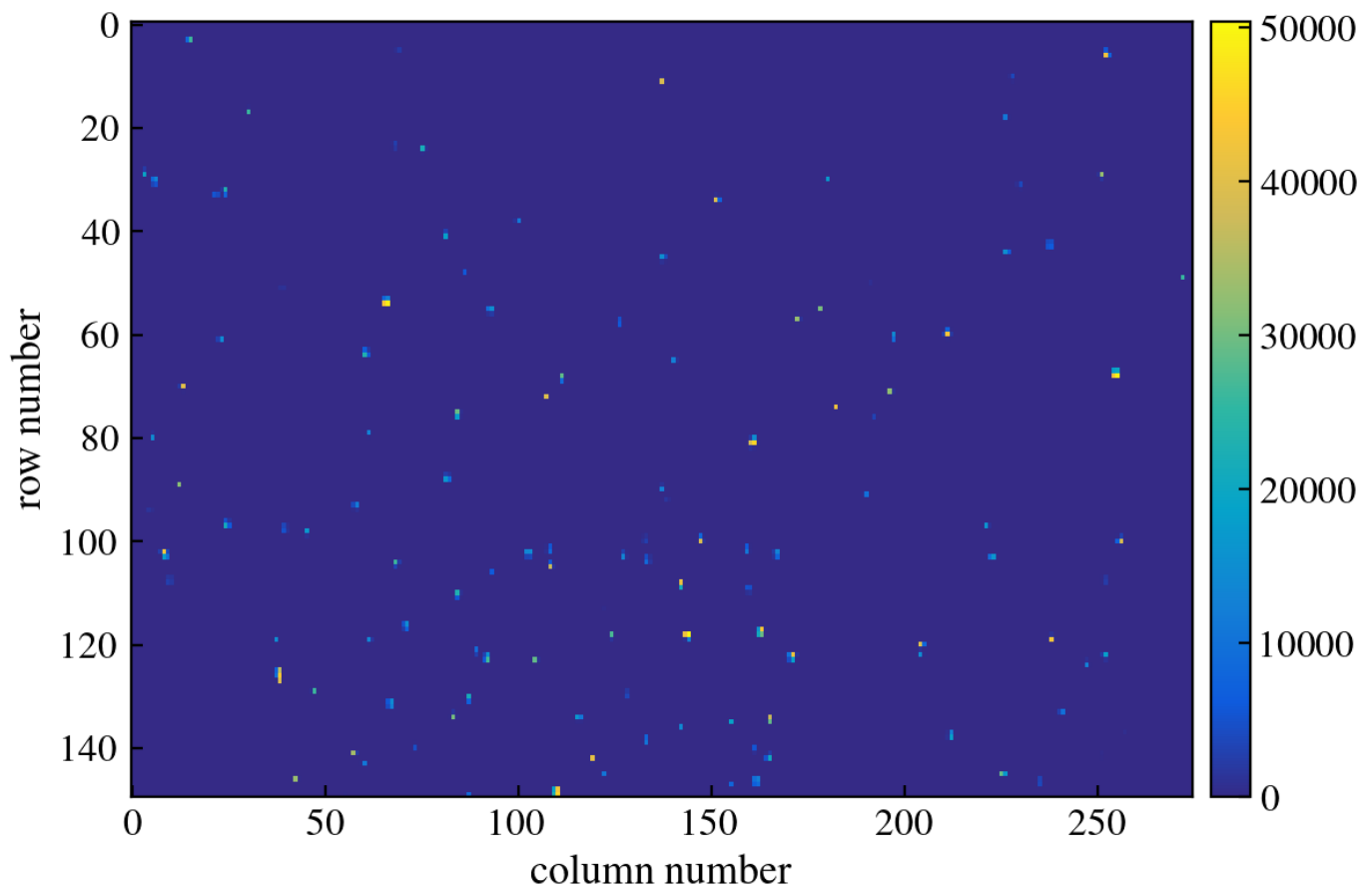


Figure 318: CCD Image

CCD Image: run 154, image 357  
[class MECCDImage]

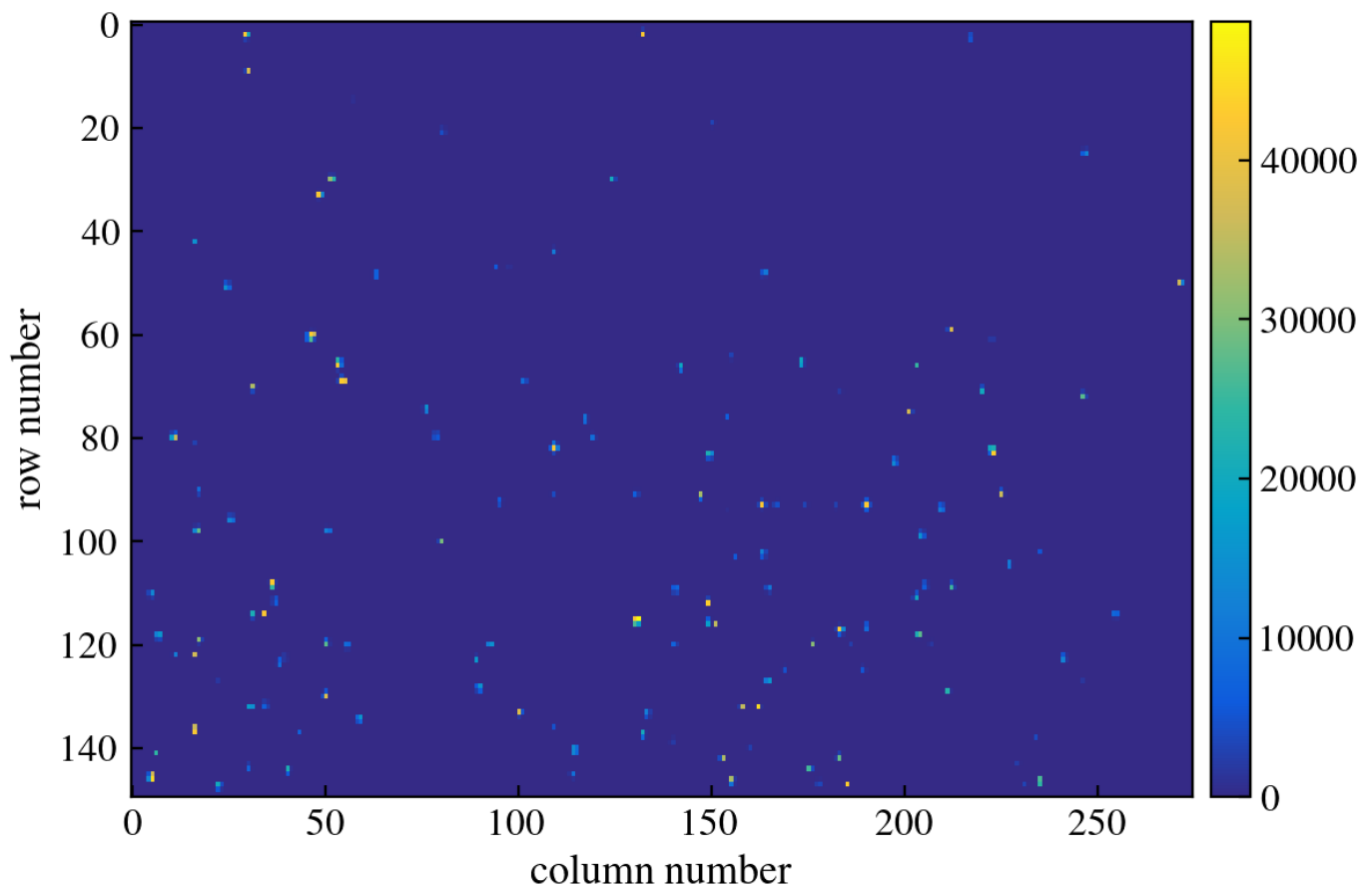


Figure 319: CCD Image

CCD Image: run 154, image 358  
[class MECCDImage]

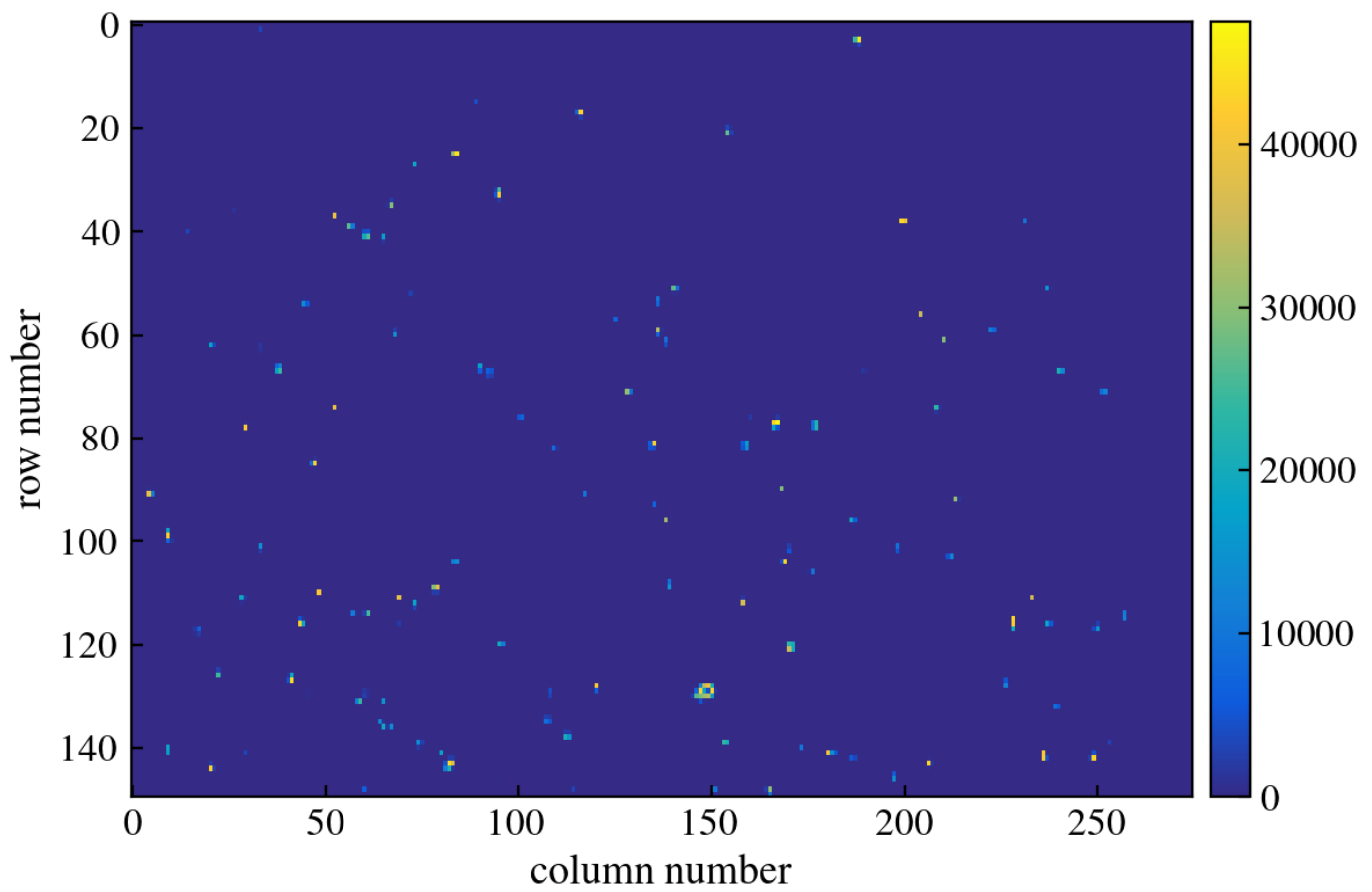


Figure 320: CCD Image

CCD Image: run 154, image 359  
[class MECCDImage]

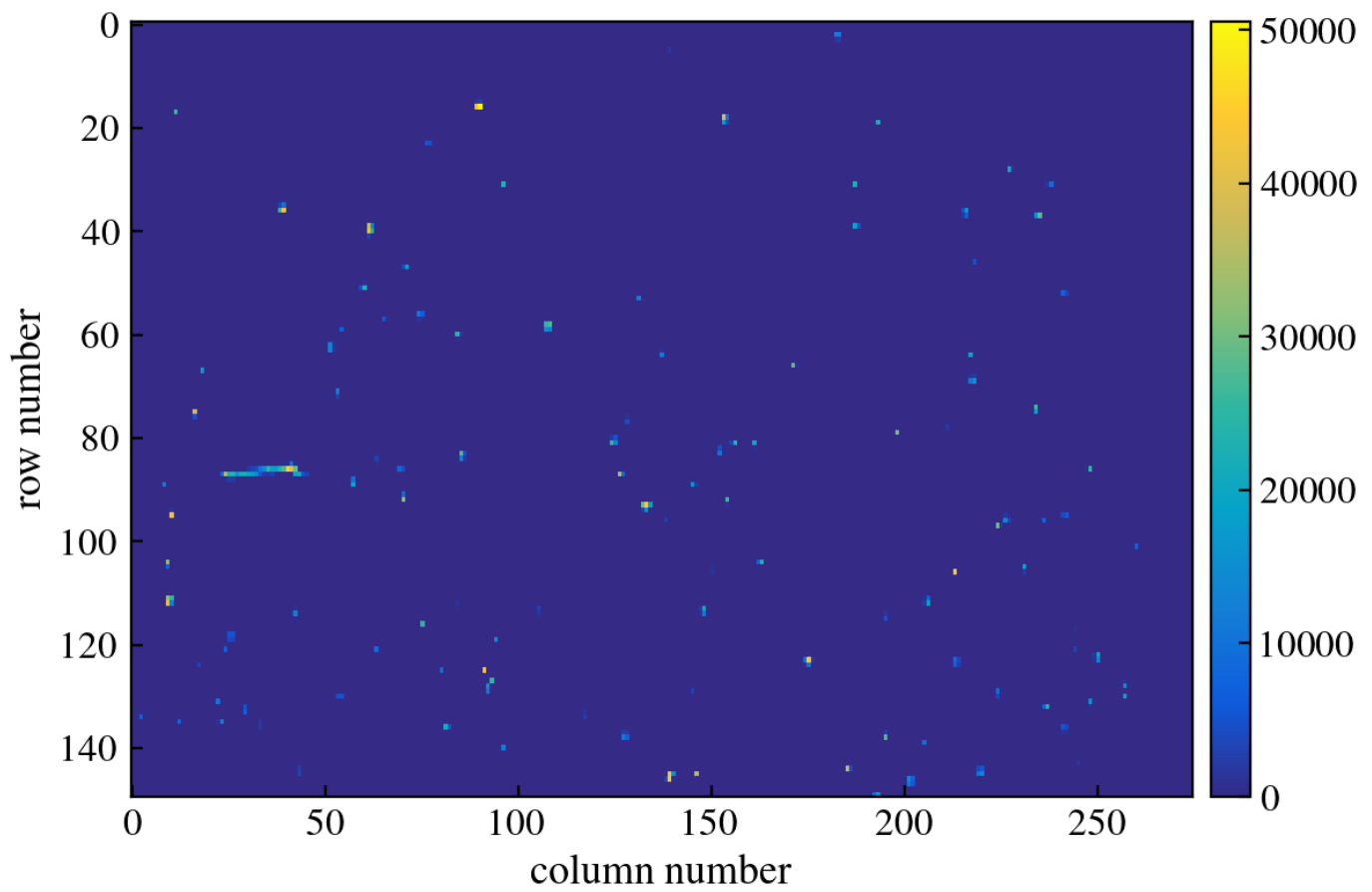


Figure 321: CCD Image

CCD Image: run 154, image 36  
[class MECCDImage]

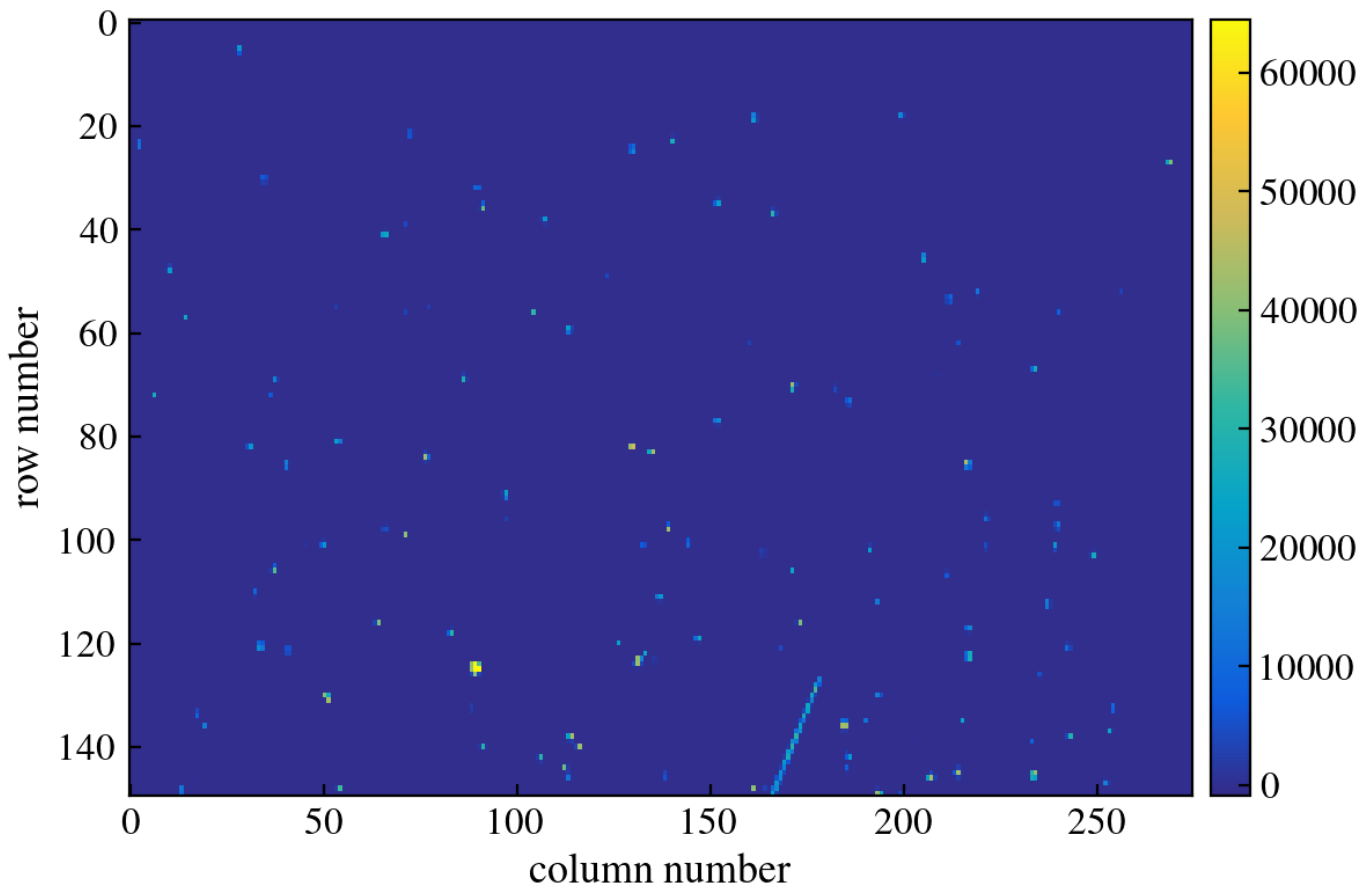


Figure 322: CCD Image

CCD Image: run 154, image 360  
[class MECCDImage]

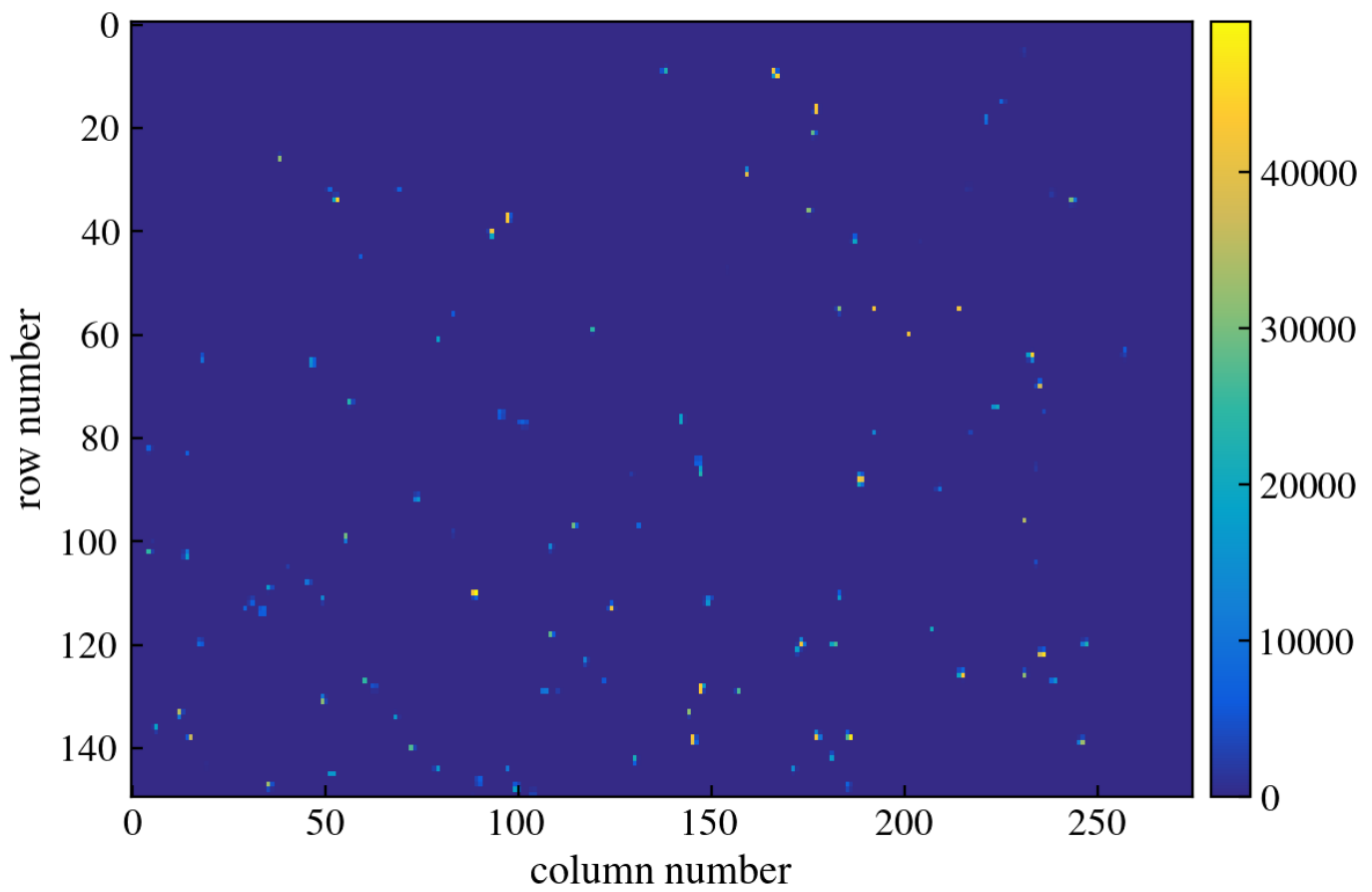


Figure 323: CCD Image



CCD Image: run 154, image 361  
[class MECCDImage]

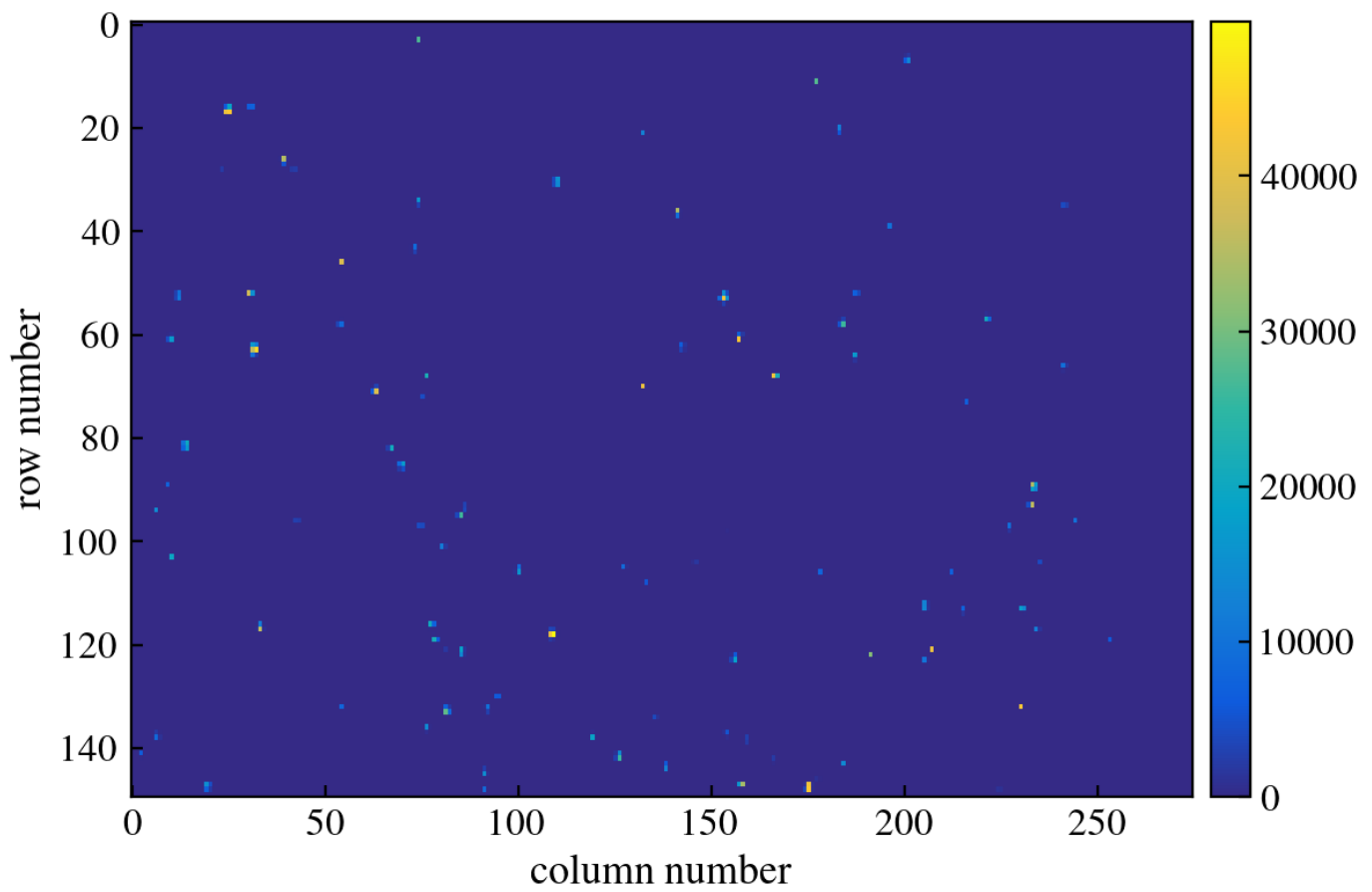


Figure 324: CCD Image

CCD Image: run 154, image 362  
[class MECCDImage]

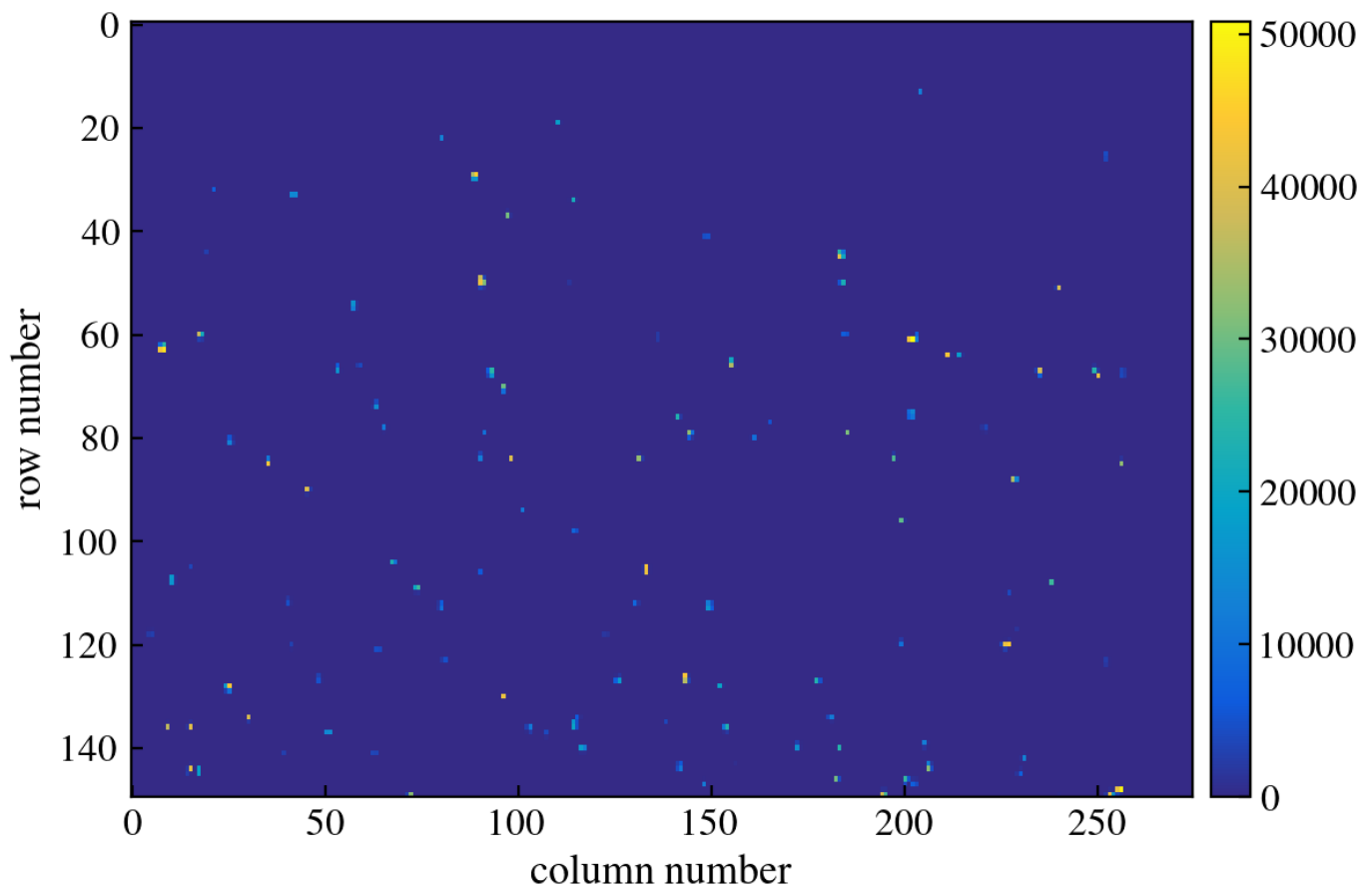


Figure 325: CCD Image

CCD Image: run 154, image 363  
[class MECCDImage]

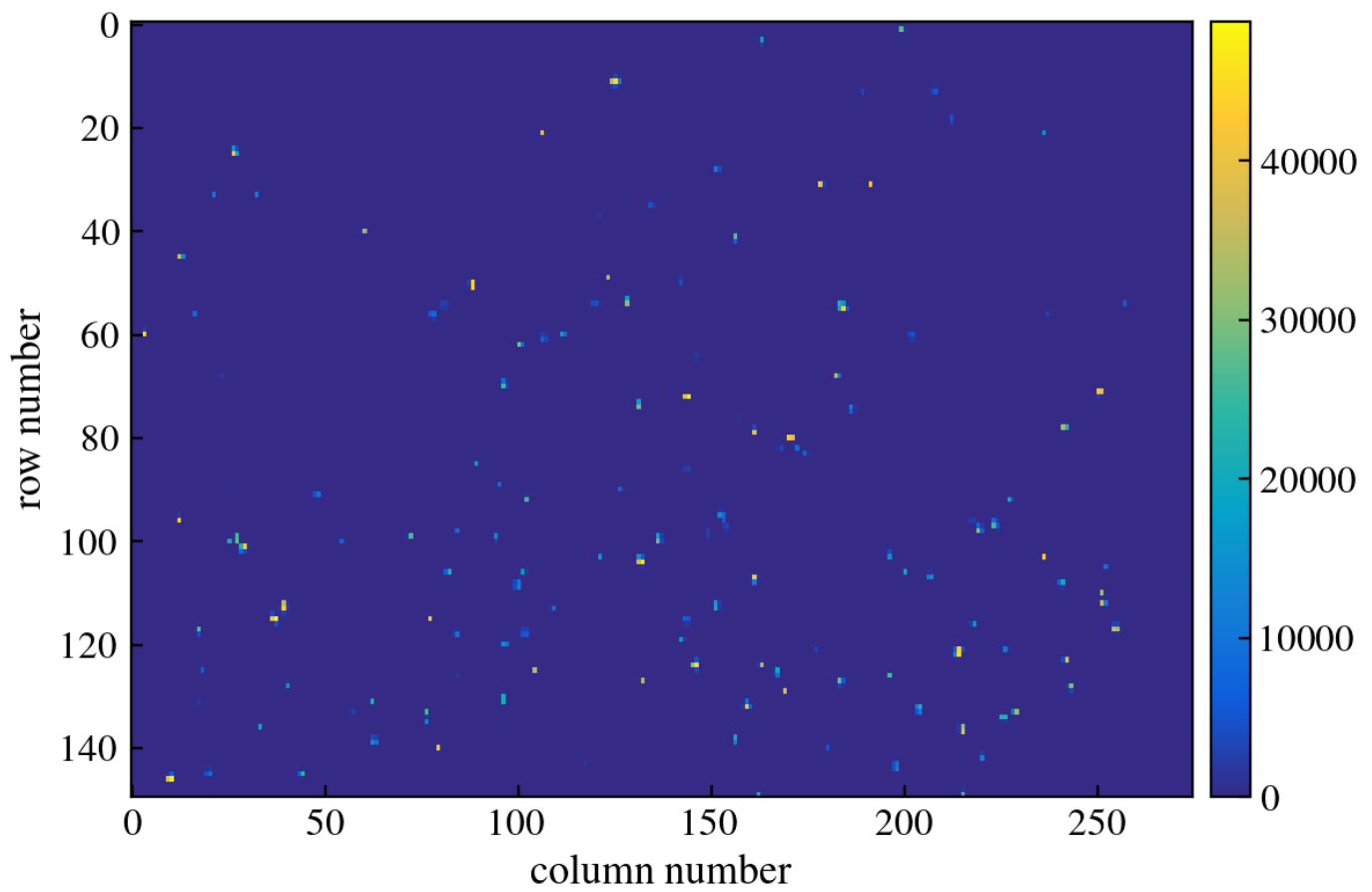


Figure 326: CCD Image

CCD Image: run 154, image 364  
[class MECCDImage]

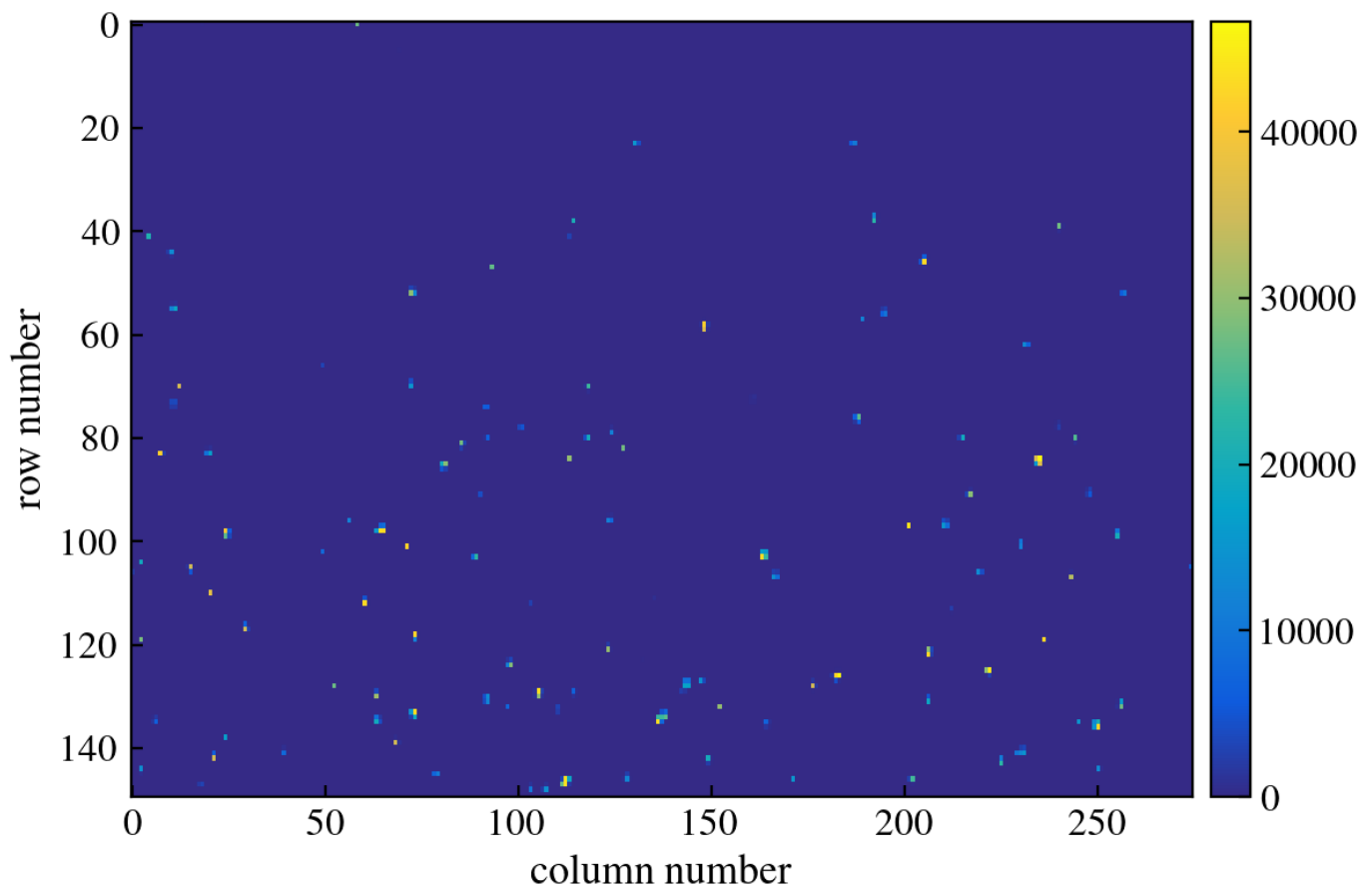


Figure 327: CCD Image

CCD Image: run 154, image 365  
[class MECCDImage]

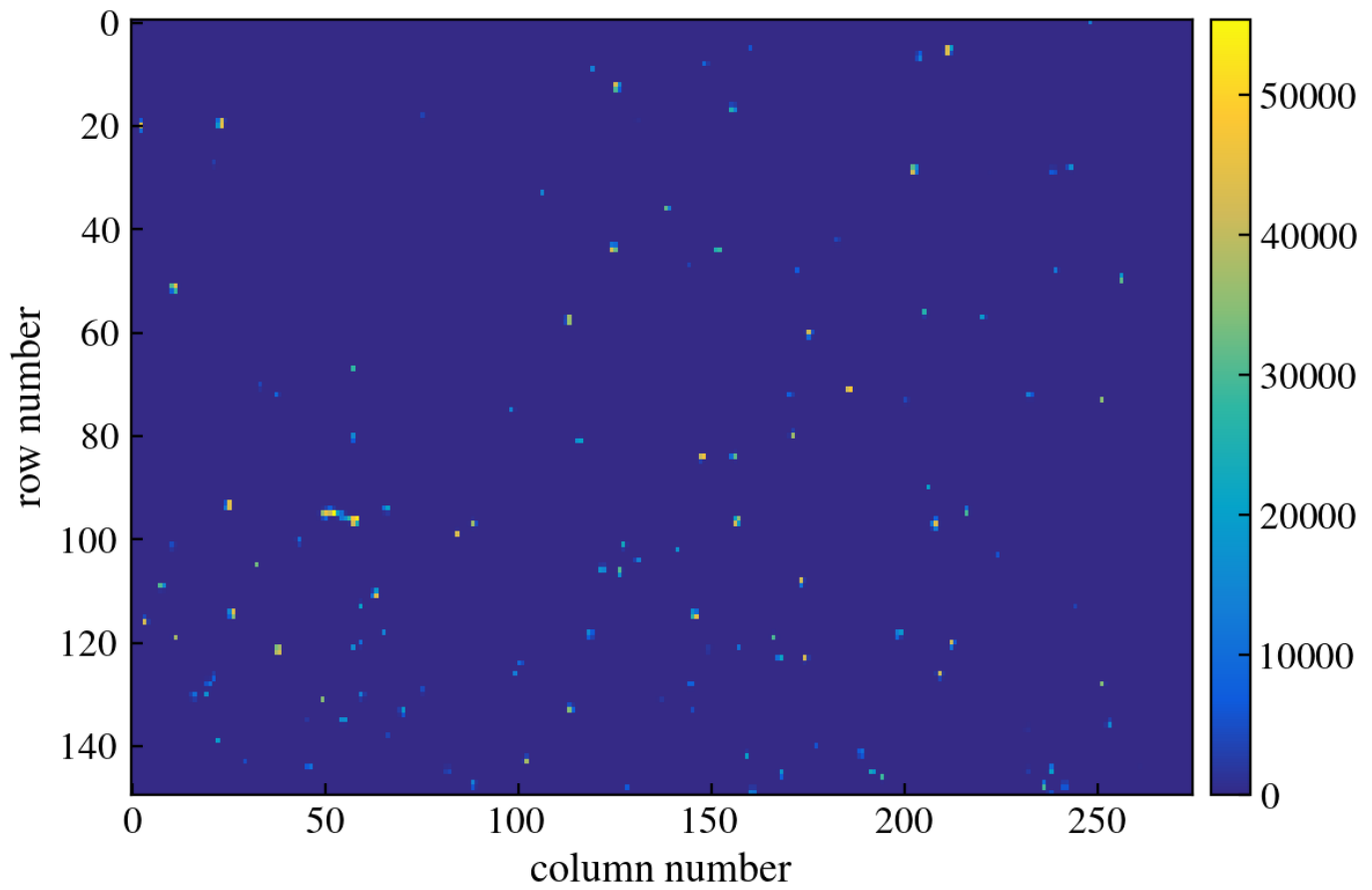


Figure 328: CCD Image

CCD Image: run 154, image 366  
[class MECCDImage]

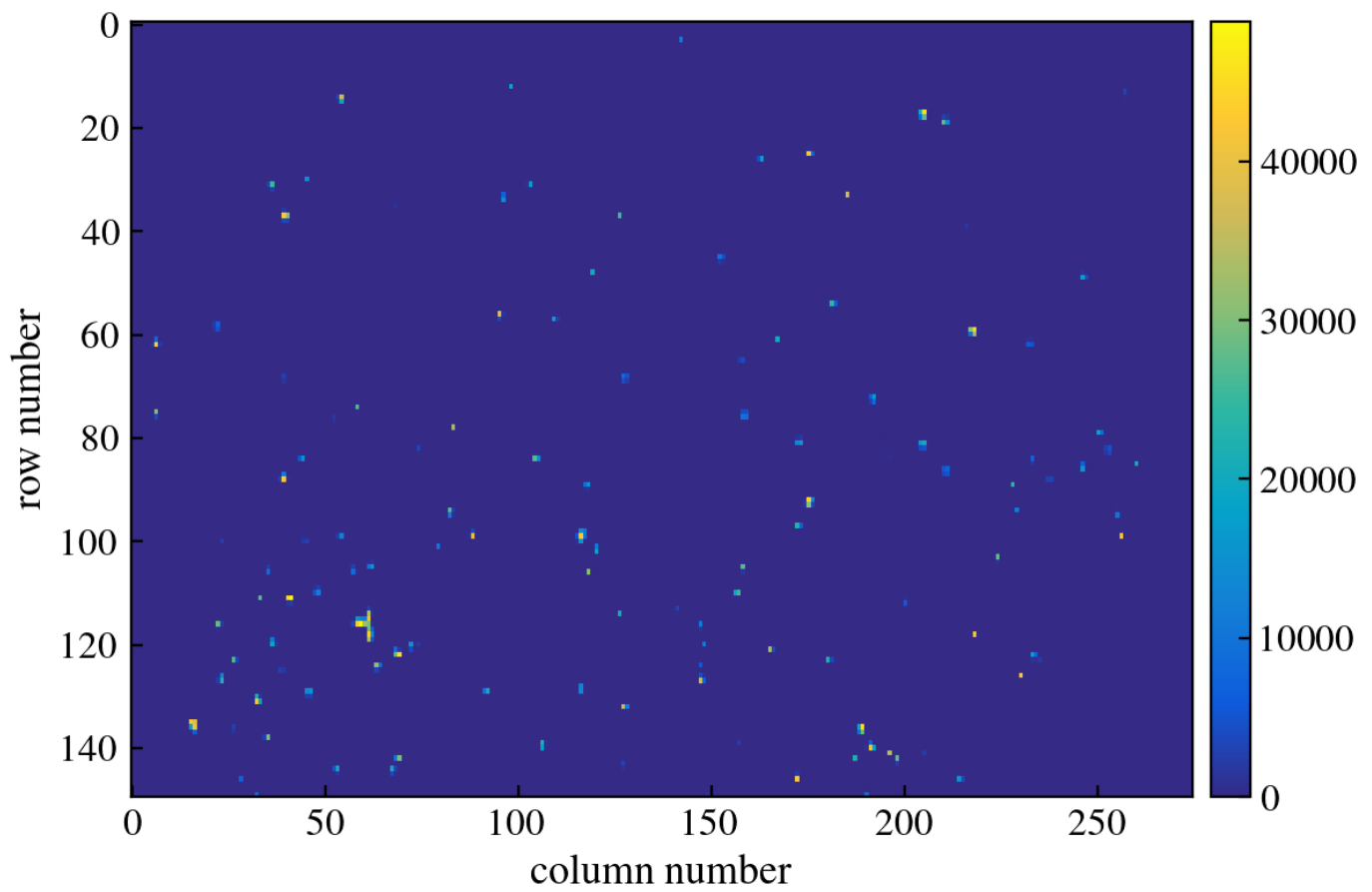


Figure 329: CCD Image

CCD Image: run 154, image 367  
[class MECCDImage]

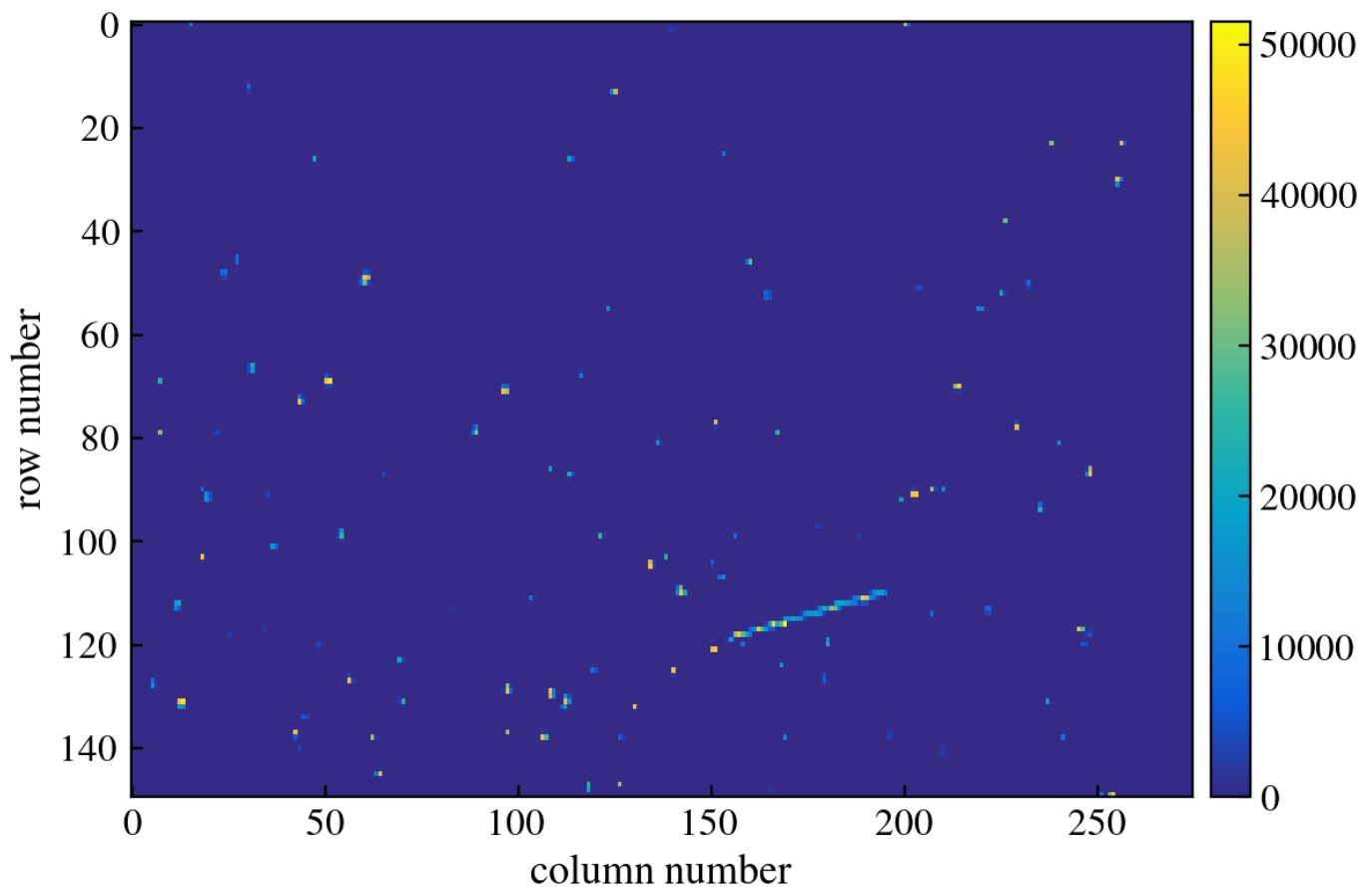


Figure 330: CCD Image

CCD Image: run 154, image 368  
[class MECCDImage]

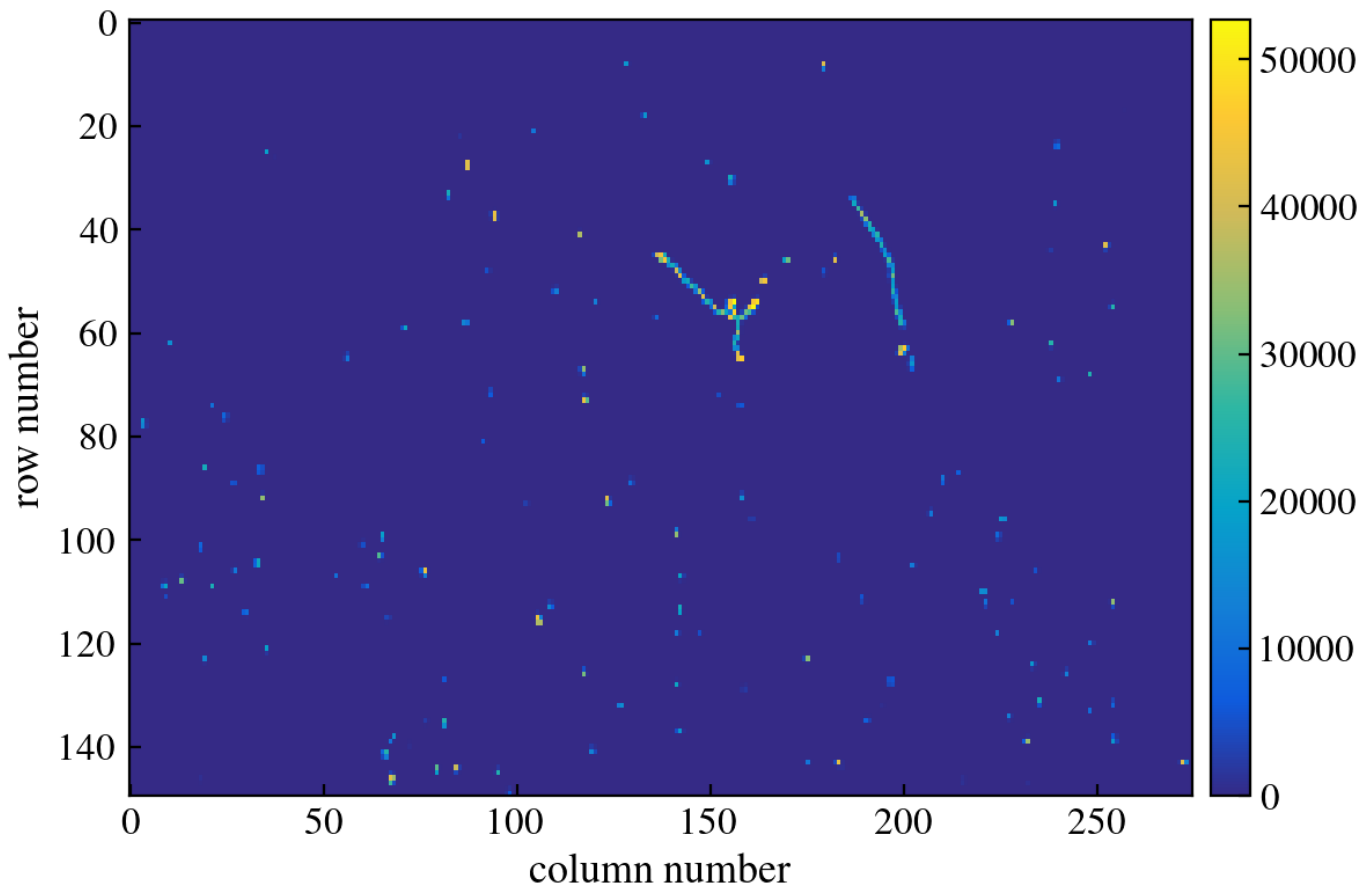


Figure 331: CCD Image



CCD Image: run 154, image 369  
[class MECCDImage]

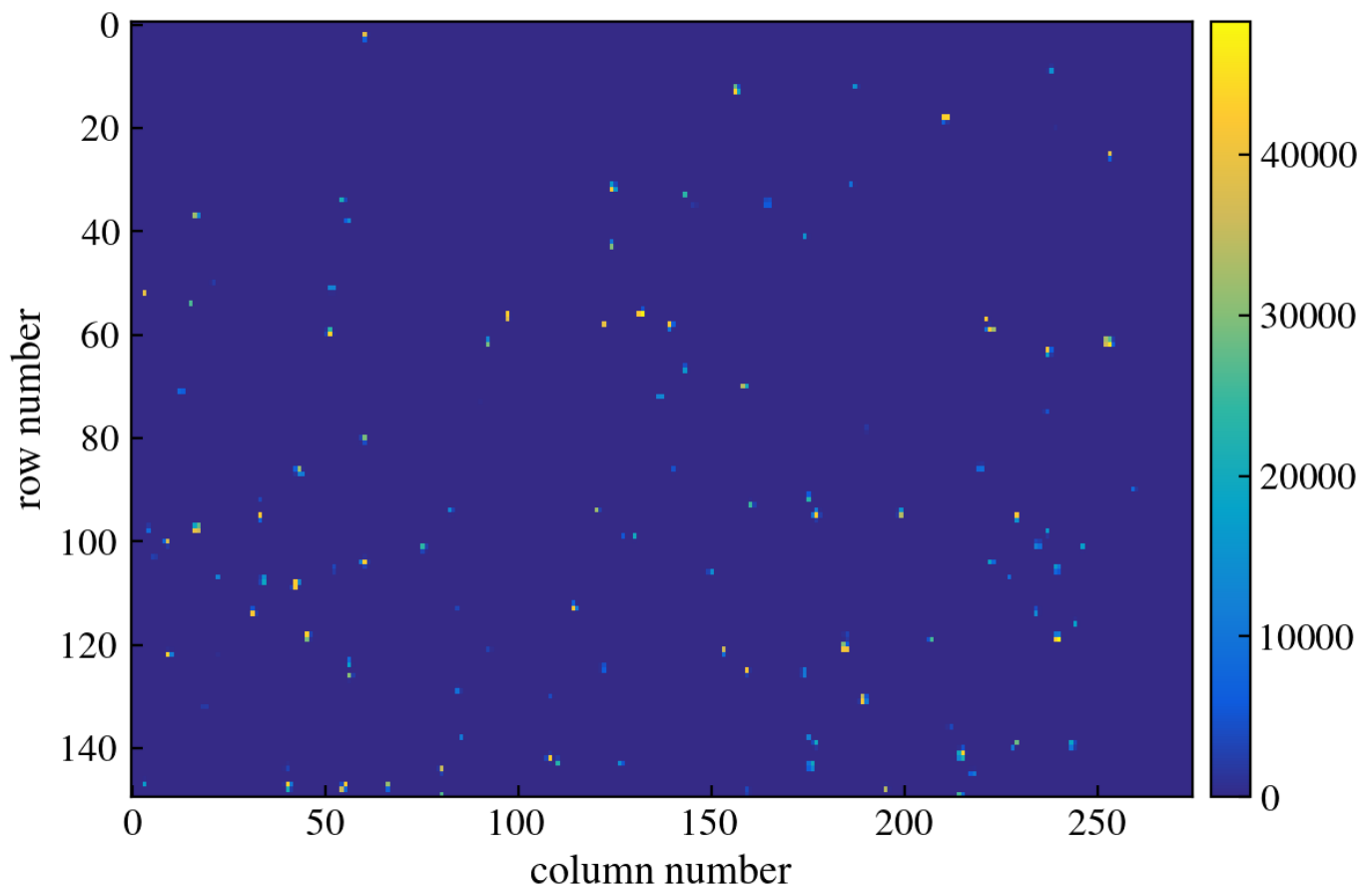


Figure 332: CCD Image

CCD Image: run 154, image 37  
[class MECCDImage]

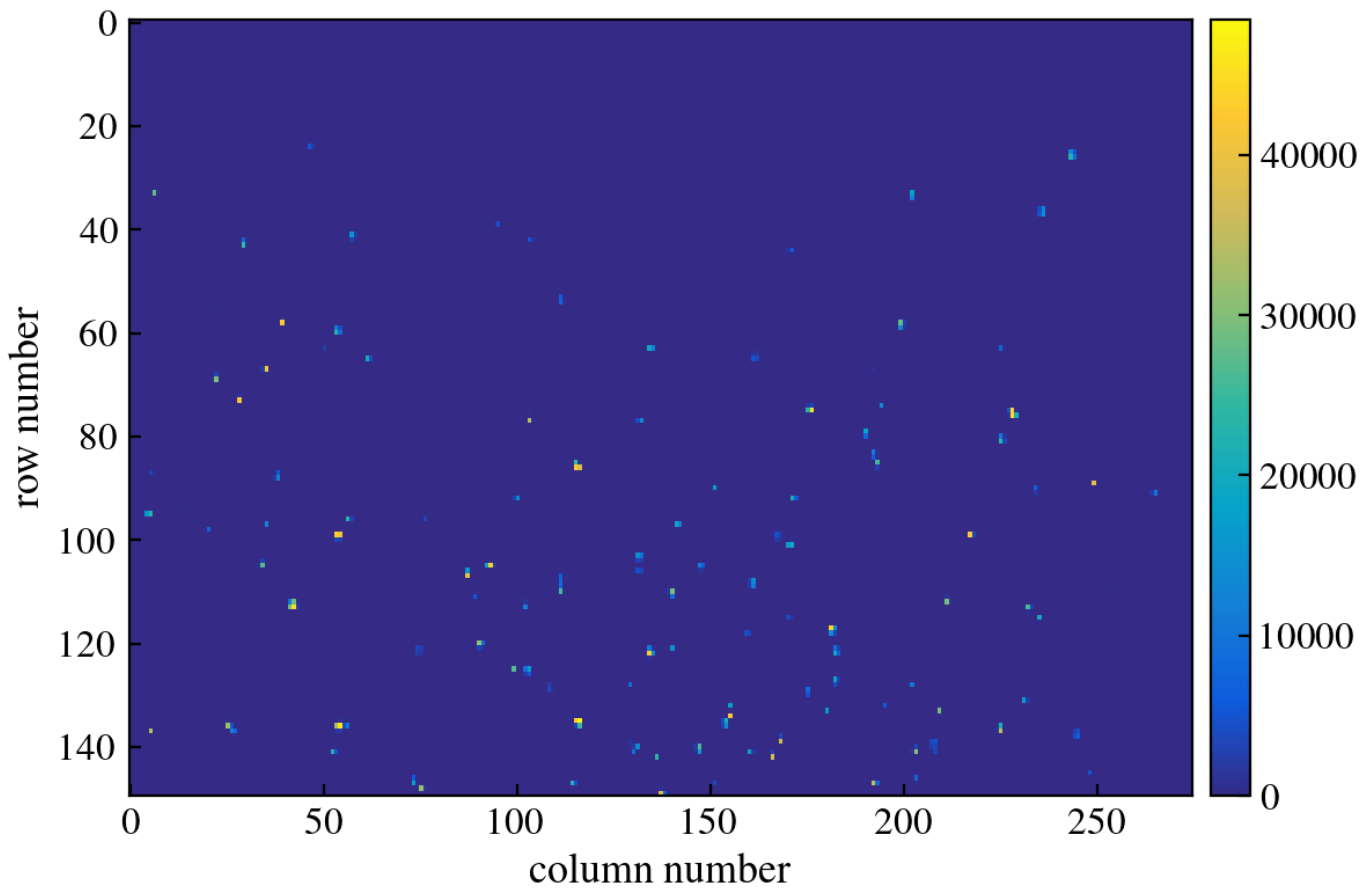


Figure 333: CCD Image

CCD Image: run 154, image 370  
[class MECCDImage]

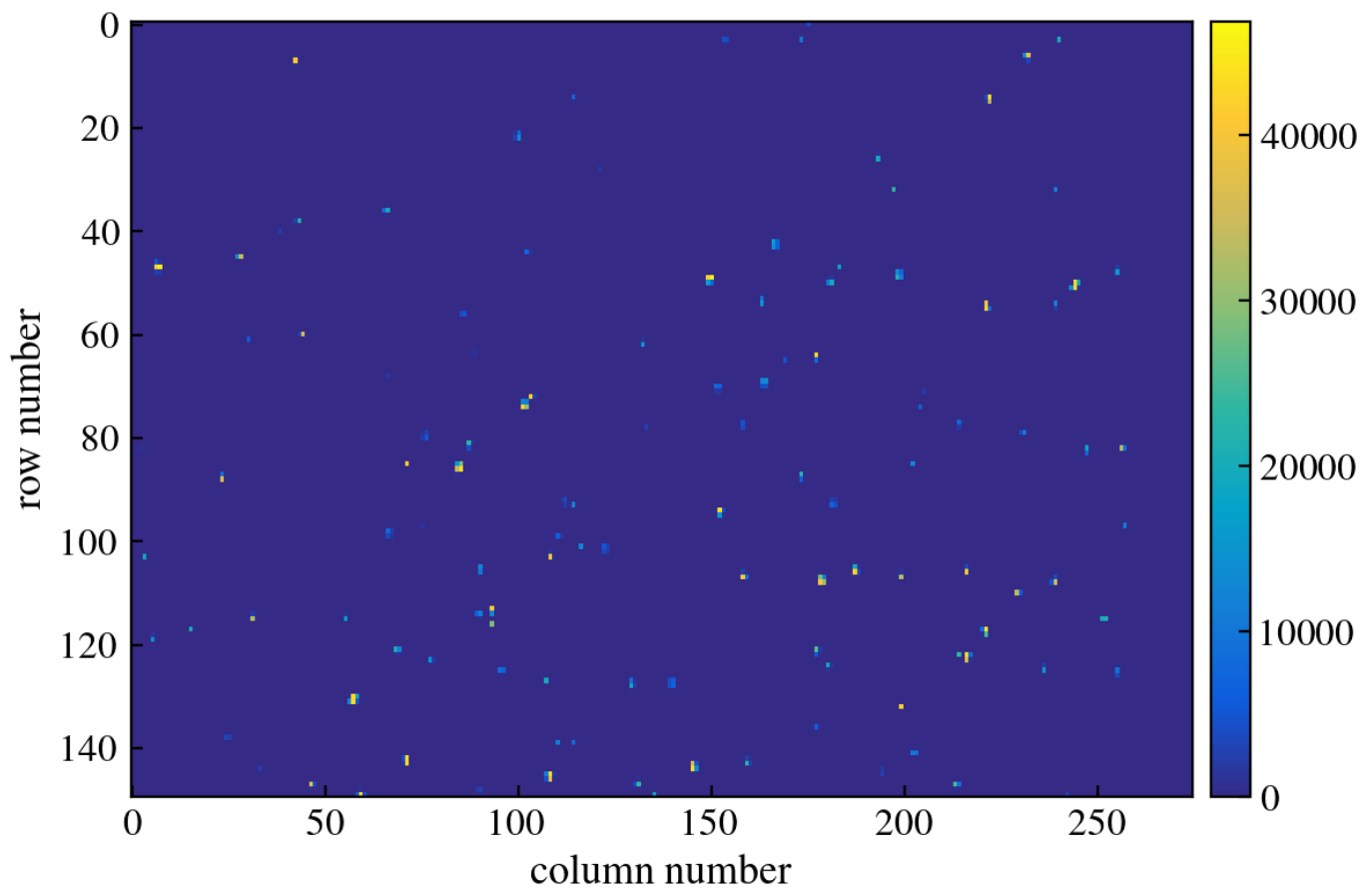


Figure 334: CCD Image

CCD Image: run 154, image 371  
[class MECCDImage]

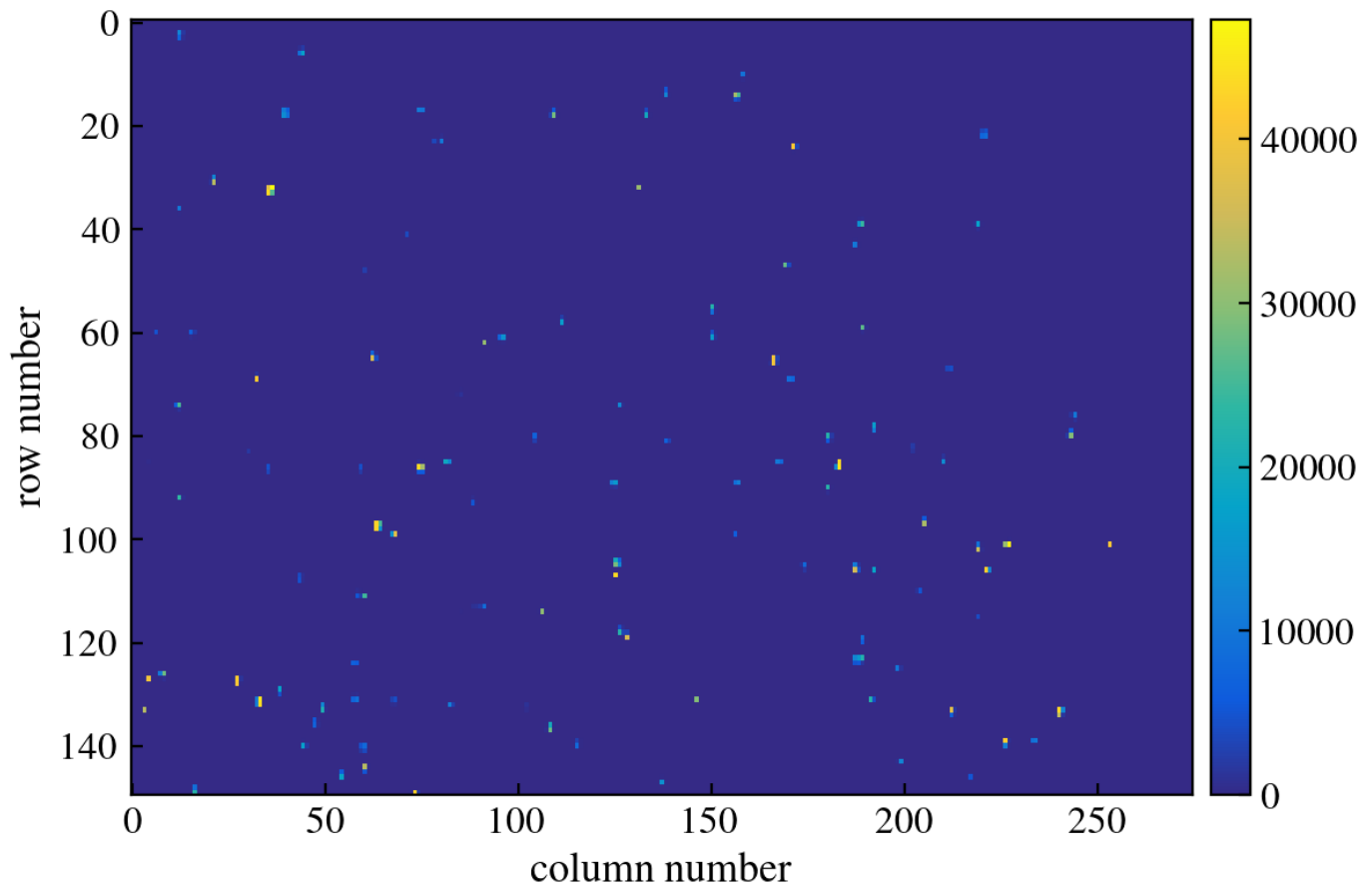


Figure 335: CCD Image

CCD Image: run 154, image 372  
[class MECCDImage]

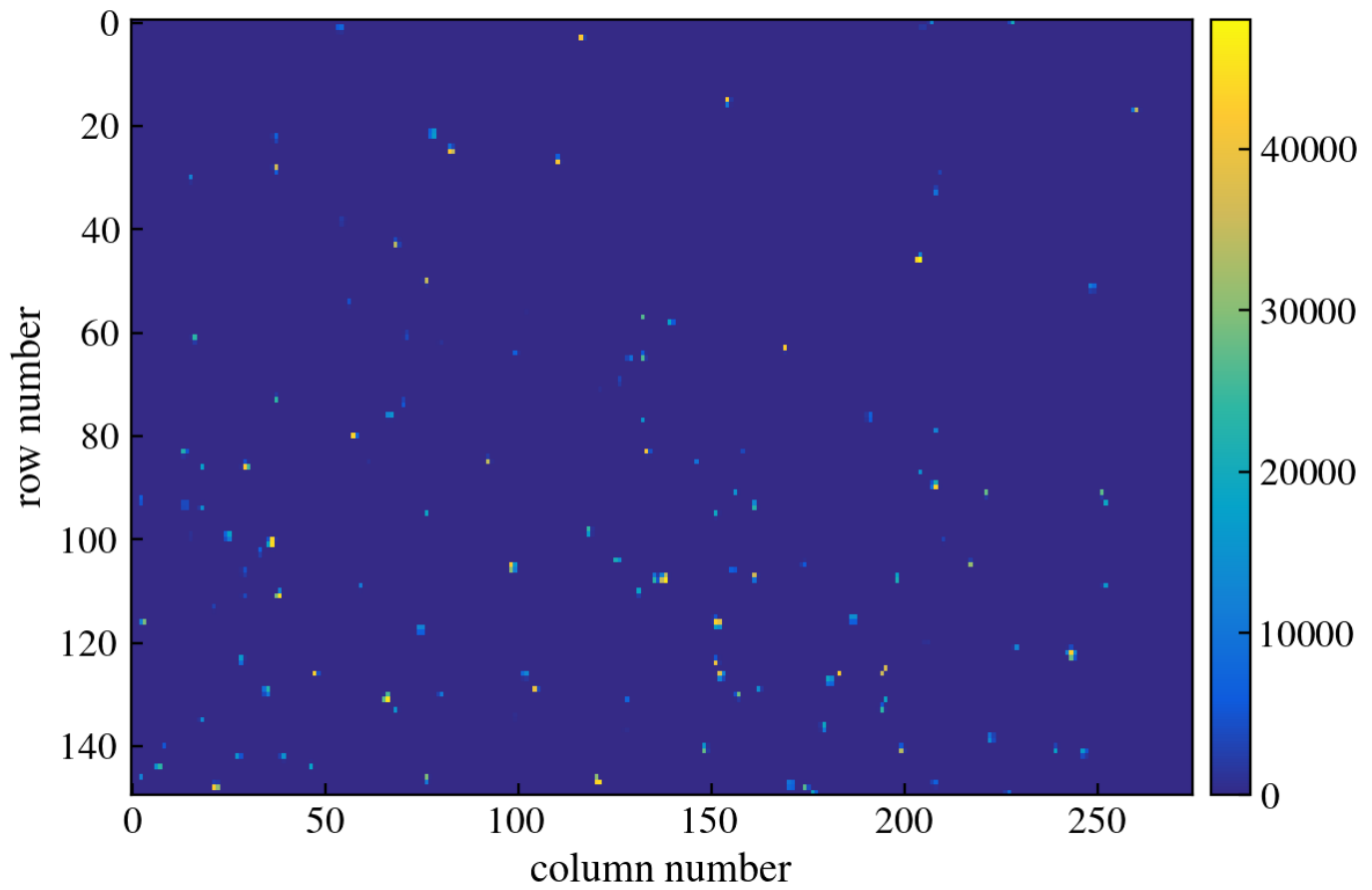


Figure 336: CCD Image

CCD Image: run 154, image 373  
[class MECCDImage]

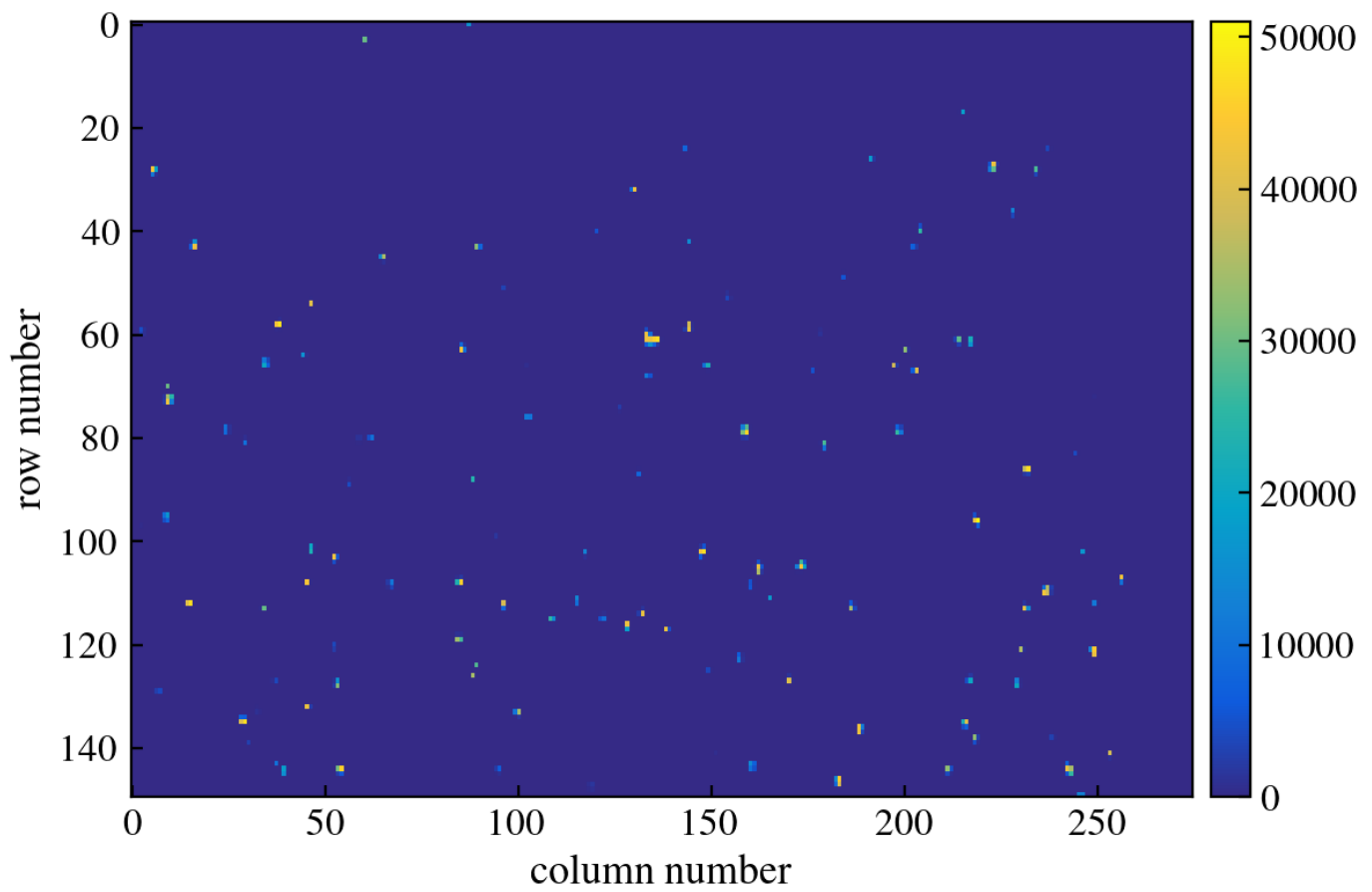


Figure 337: CCD Image

CCD Image: run 154, image 374  
[class MECCDImage]

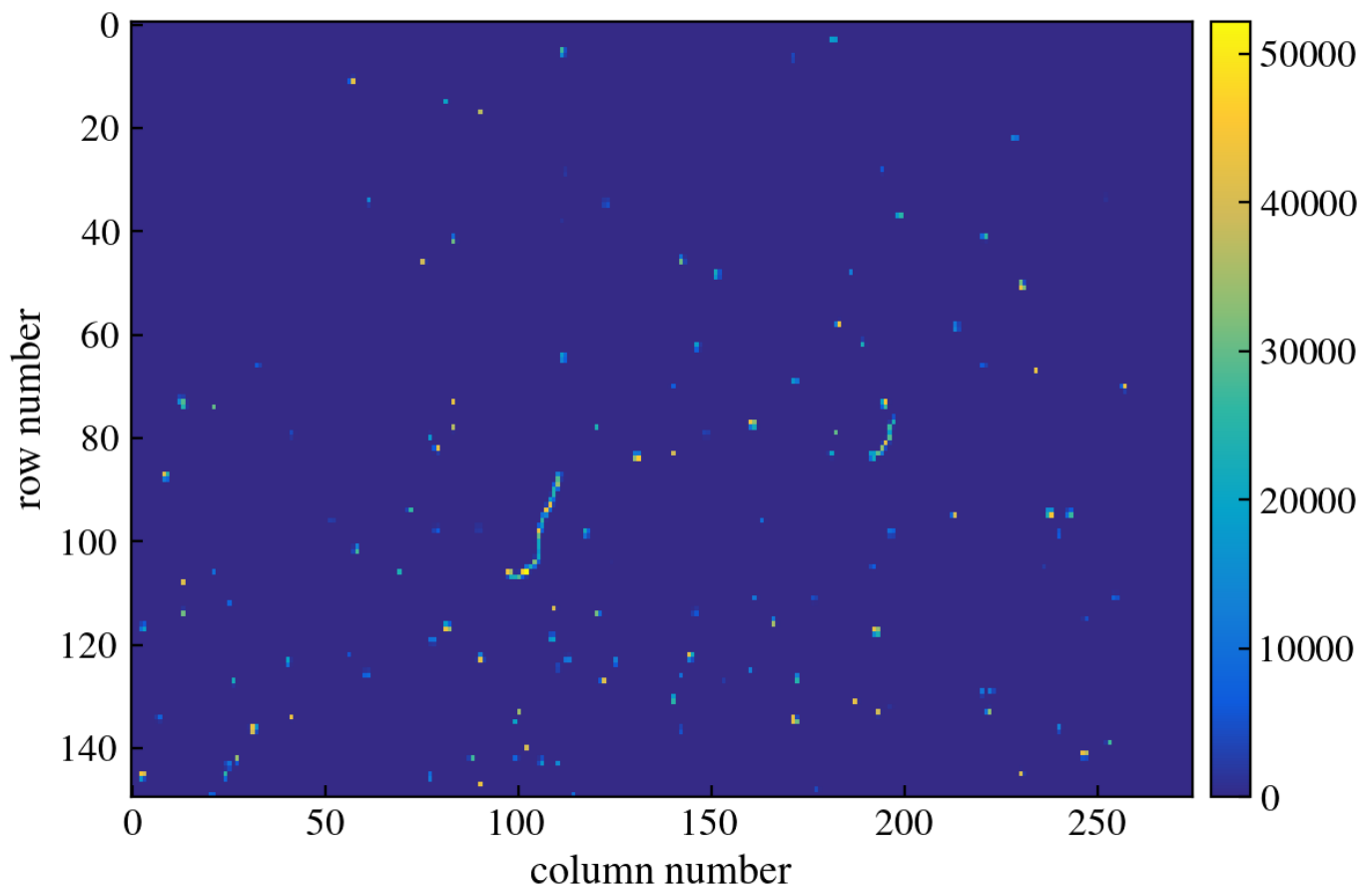


Figure 338: CCD Image

CCD Image: run 154, image 375  
[class MECCDImage]

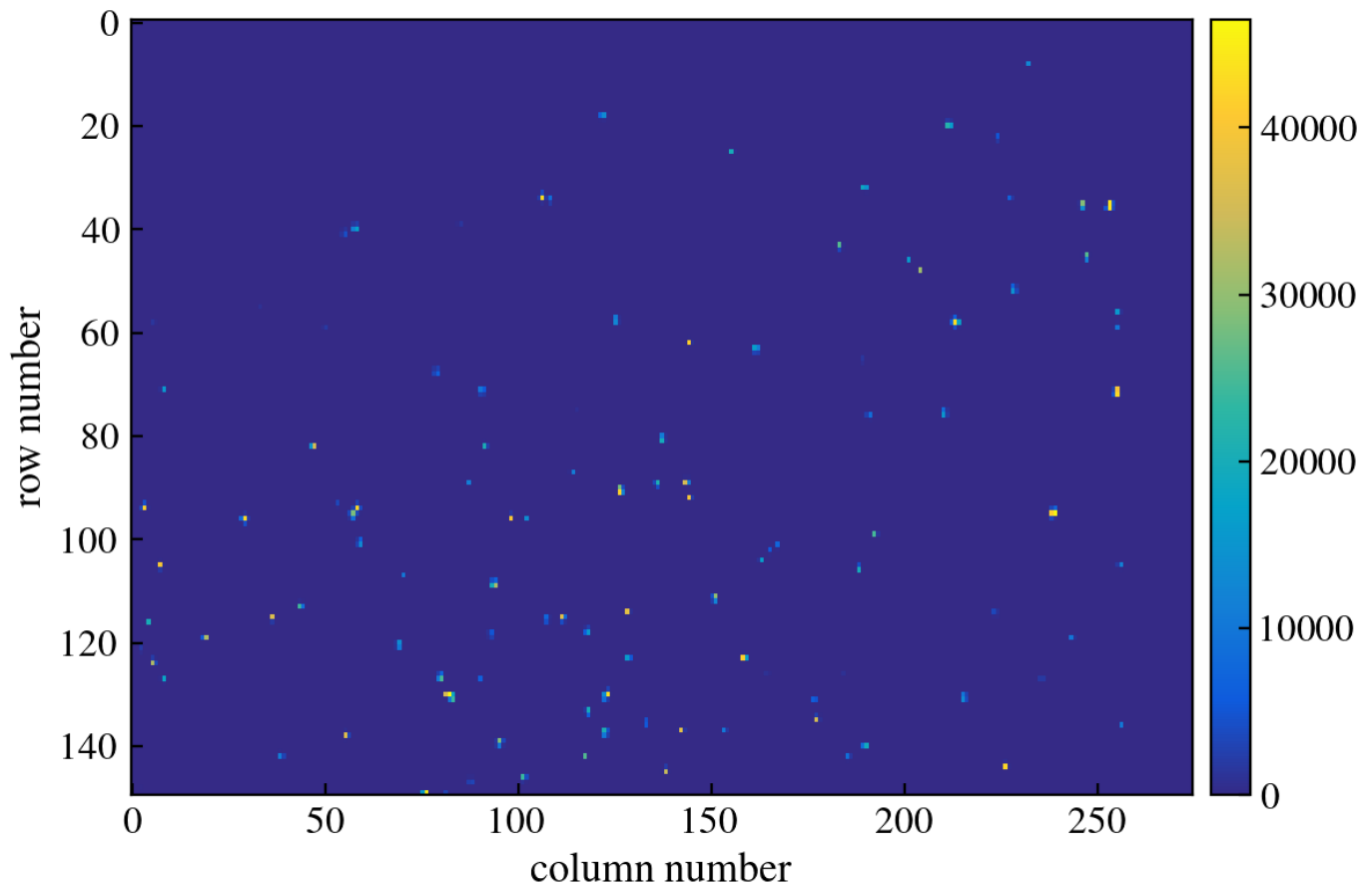


Figure 339: CCD Image



CCD Image: run 154, image 376  
[class MECCDImage]

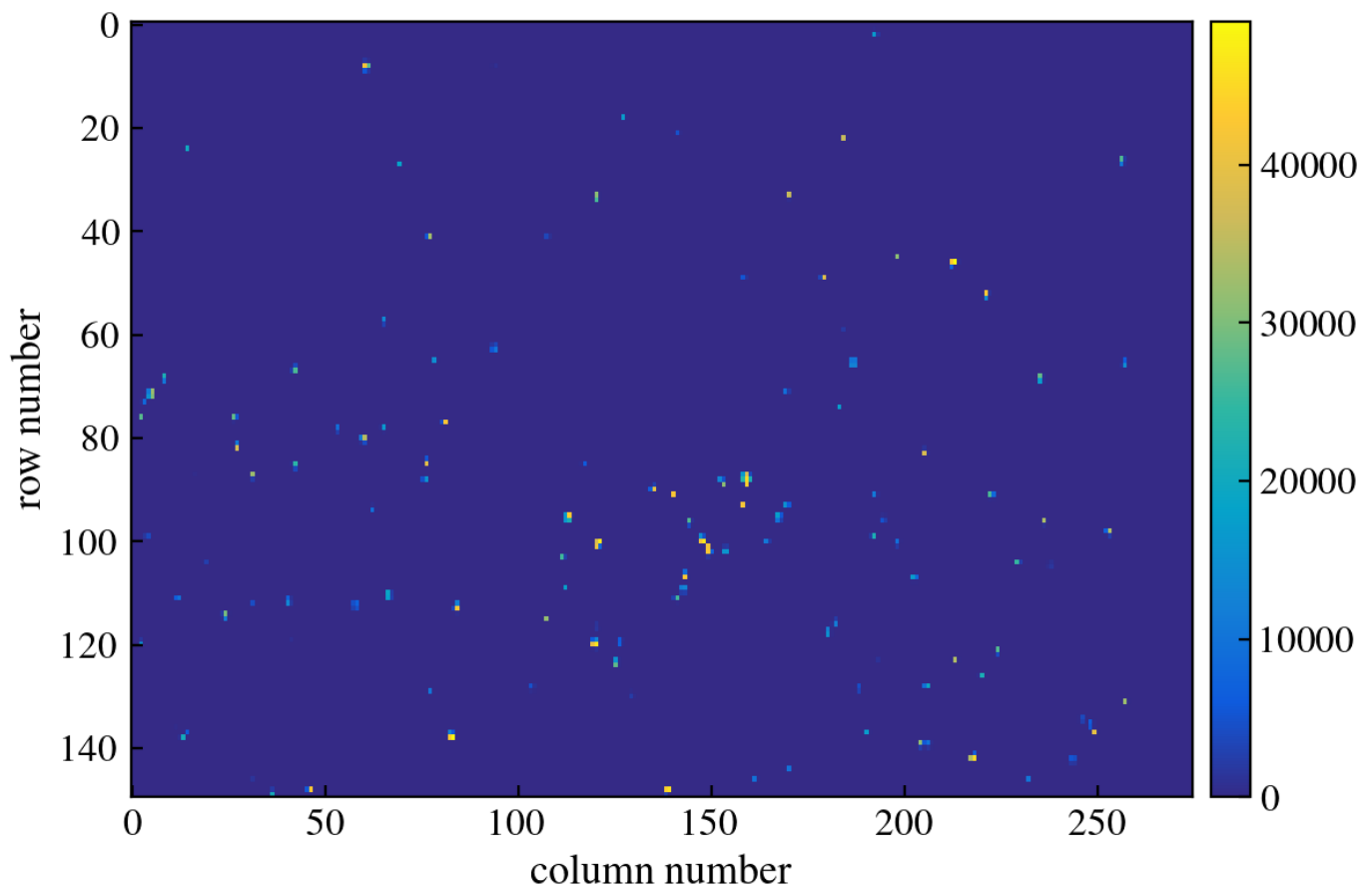


Figure 340: CCD Image

CCD Image: run 154, image 377  
[class MECCDImage]

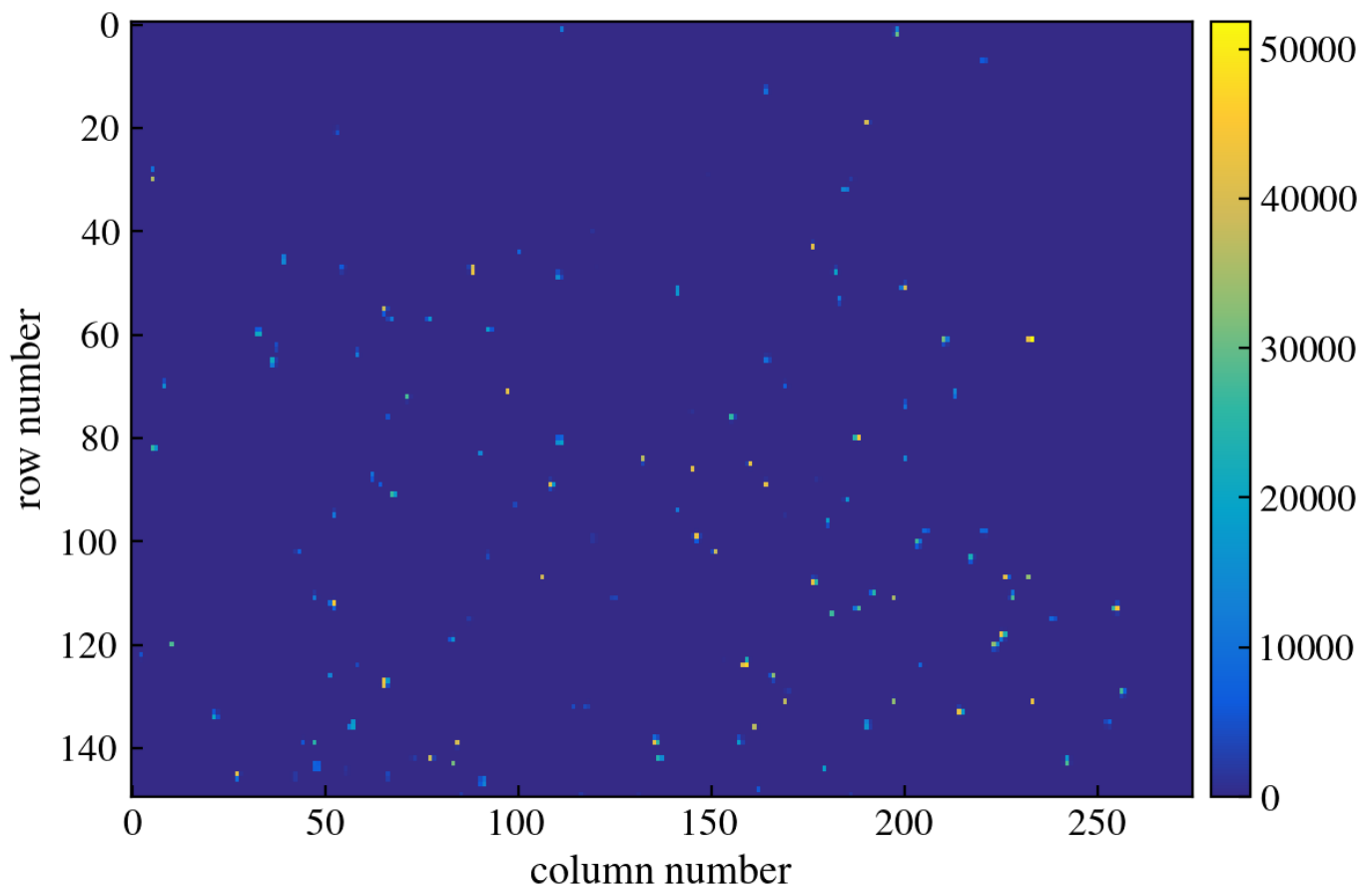


Figure 341: CCD Image

CCD Image: run 154, image 378  
[class MECCDImage]

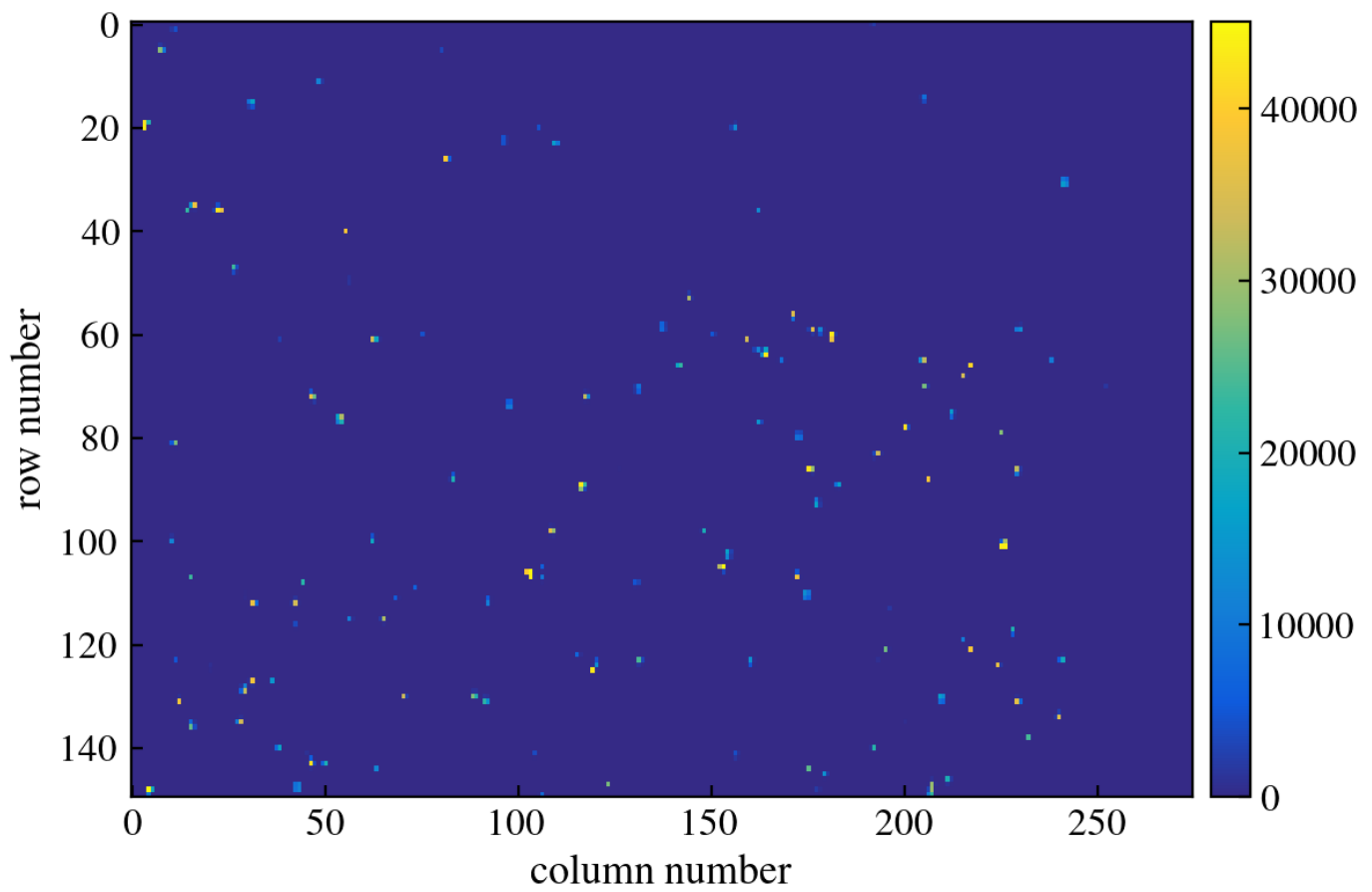


Figure 342: CCD Image

CCD Image: run 154, image 379  
[class MECCDImage]

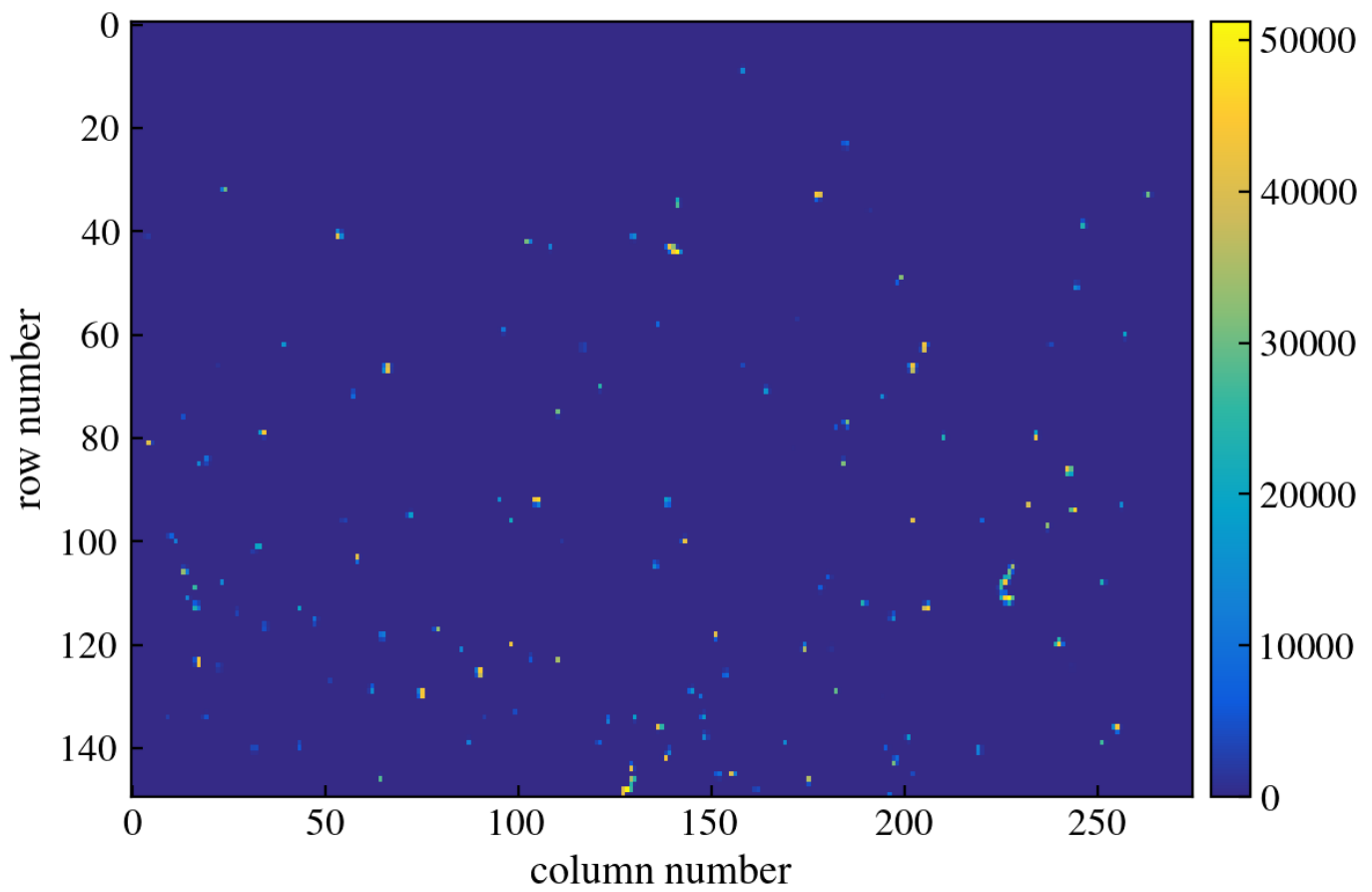


Figure 343: CCD Image

CCD Image: run 154, image 38  
[class MECCDImage]

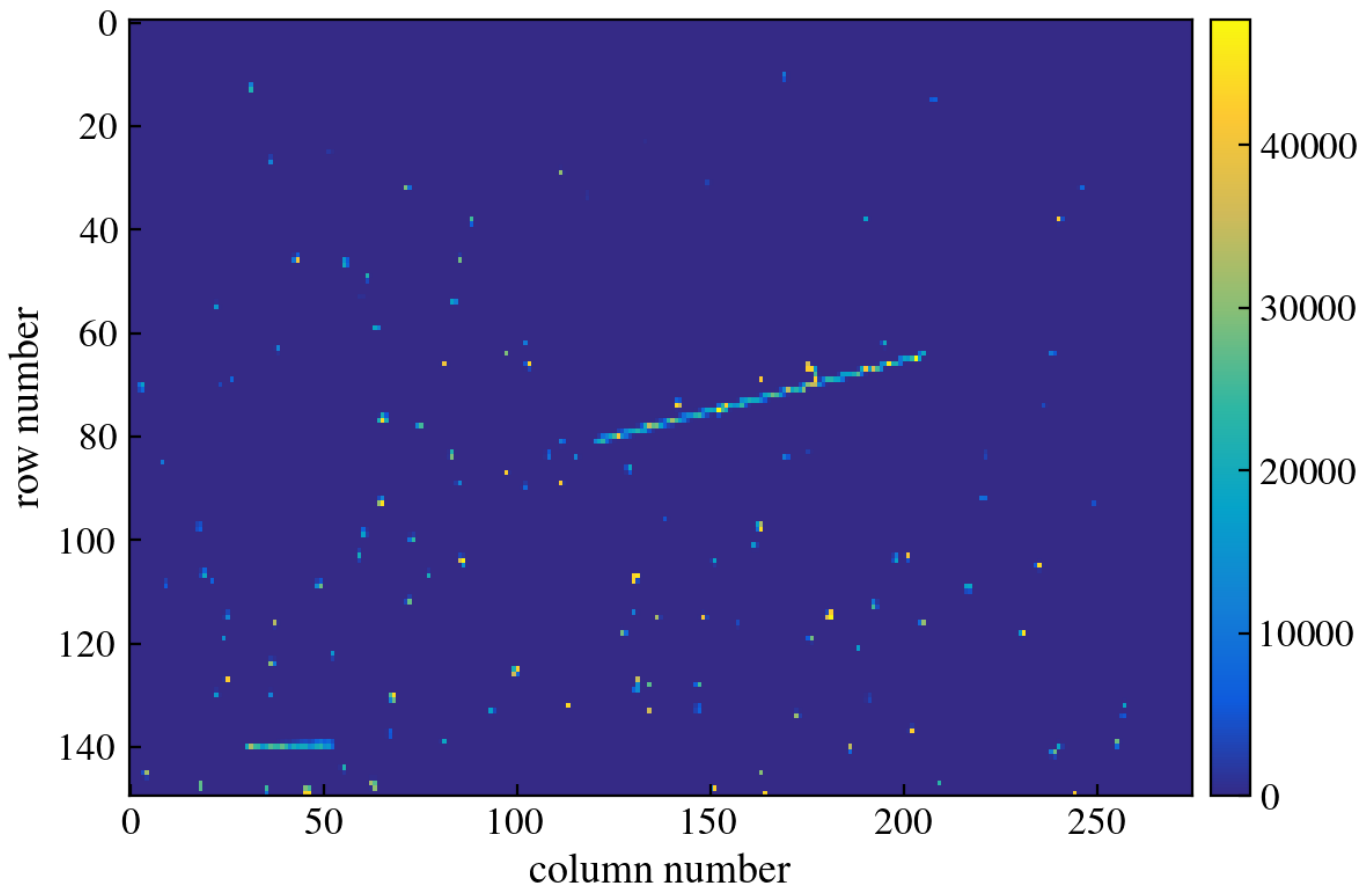


Figure 344: CCD Image

CCD Image: run 154, image 380  
[class MECCDImage]

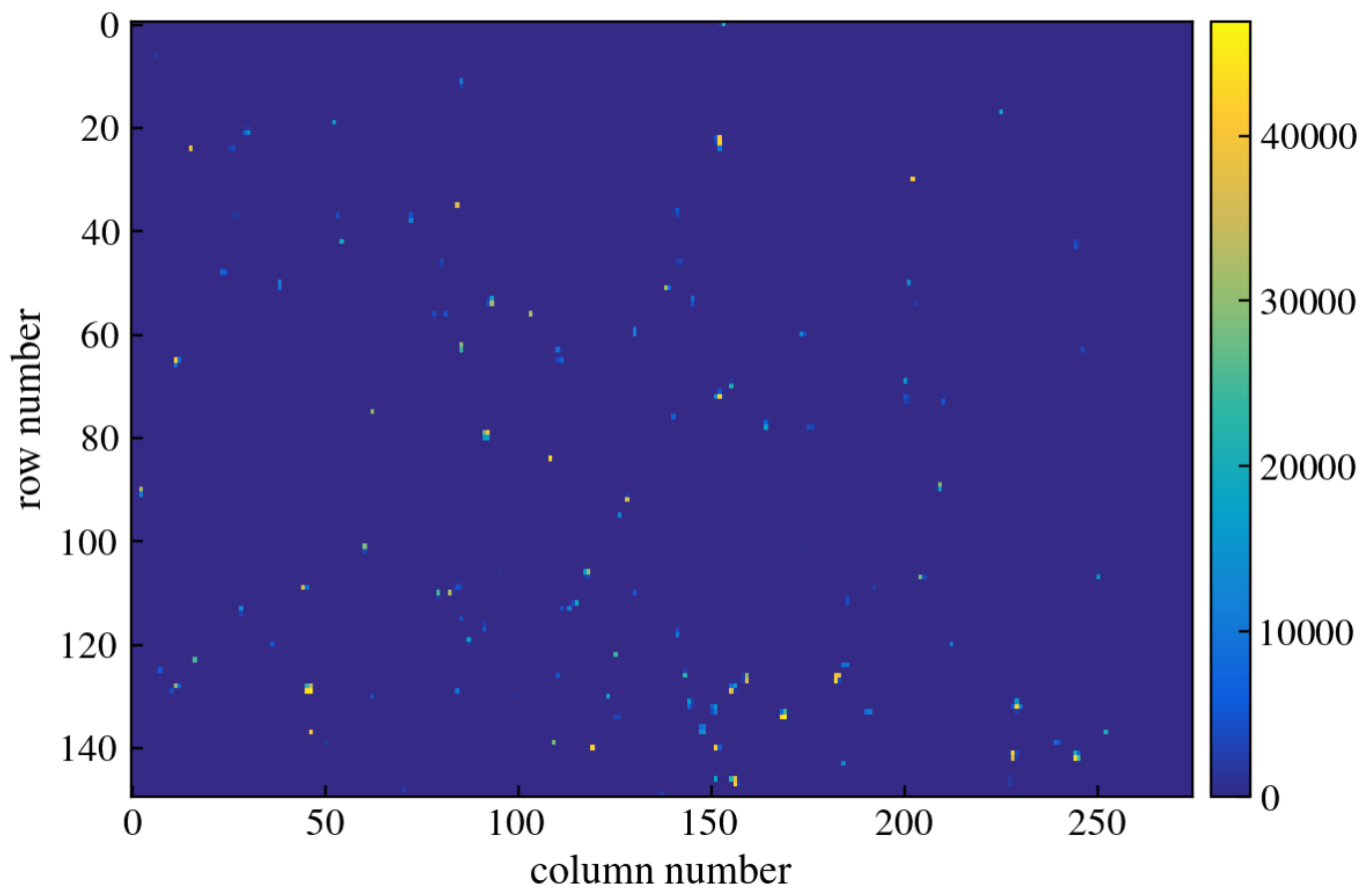


Figure 345: CCD Image

CCD Image: run 154, image 381  
[class MECCDImage]

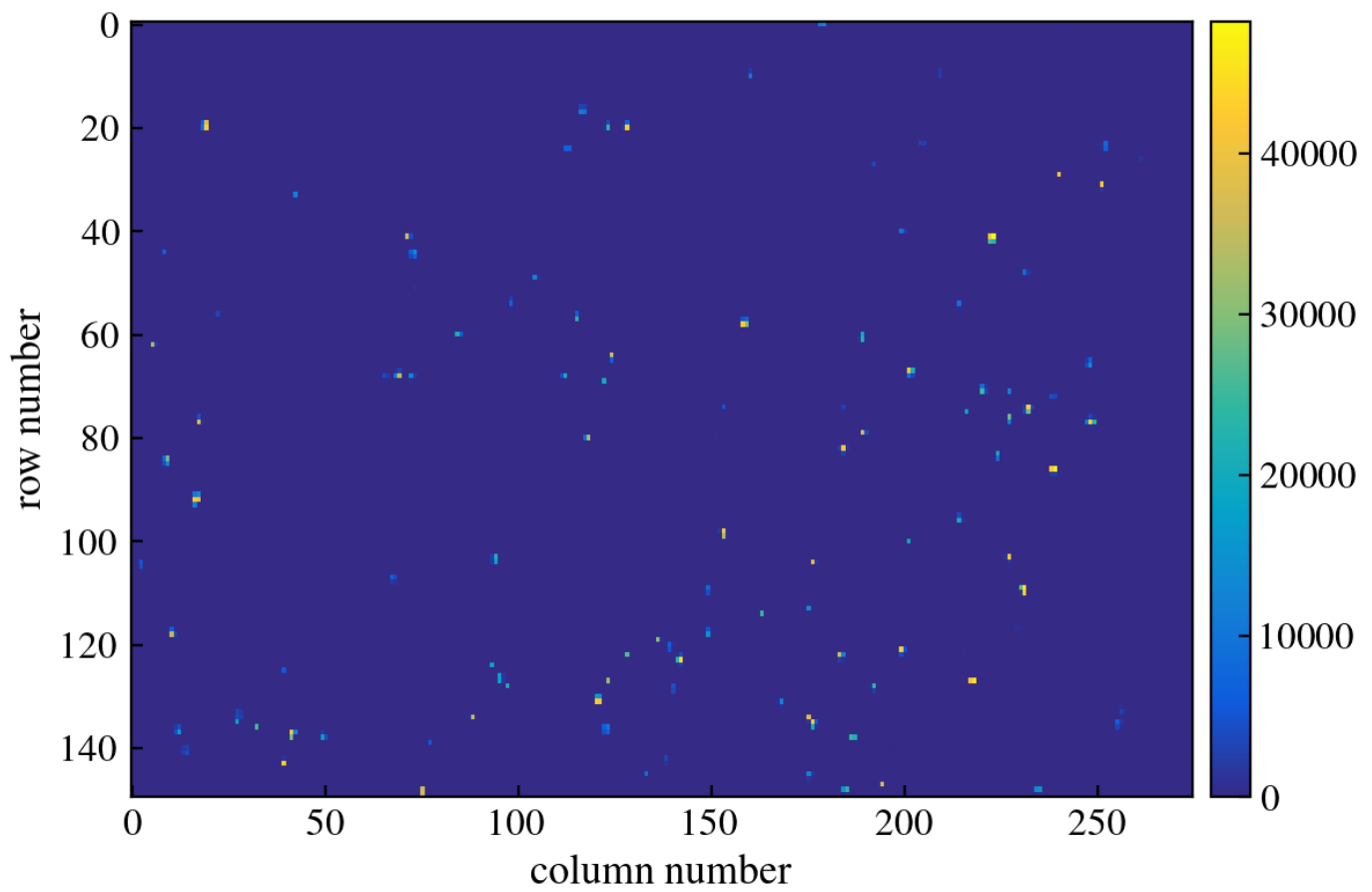


Figure 346: CCD Image

CCD Image: run 154, image 382  
[class MECCDImage]

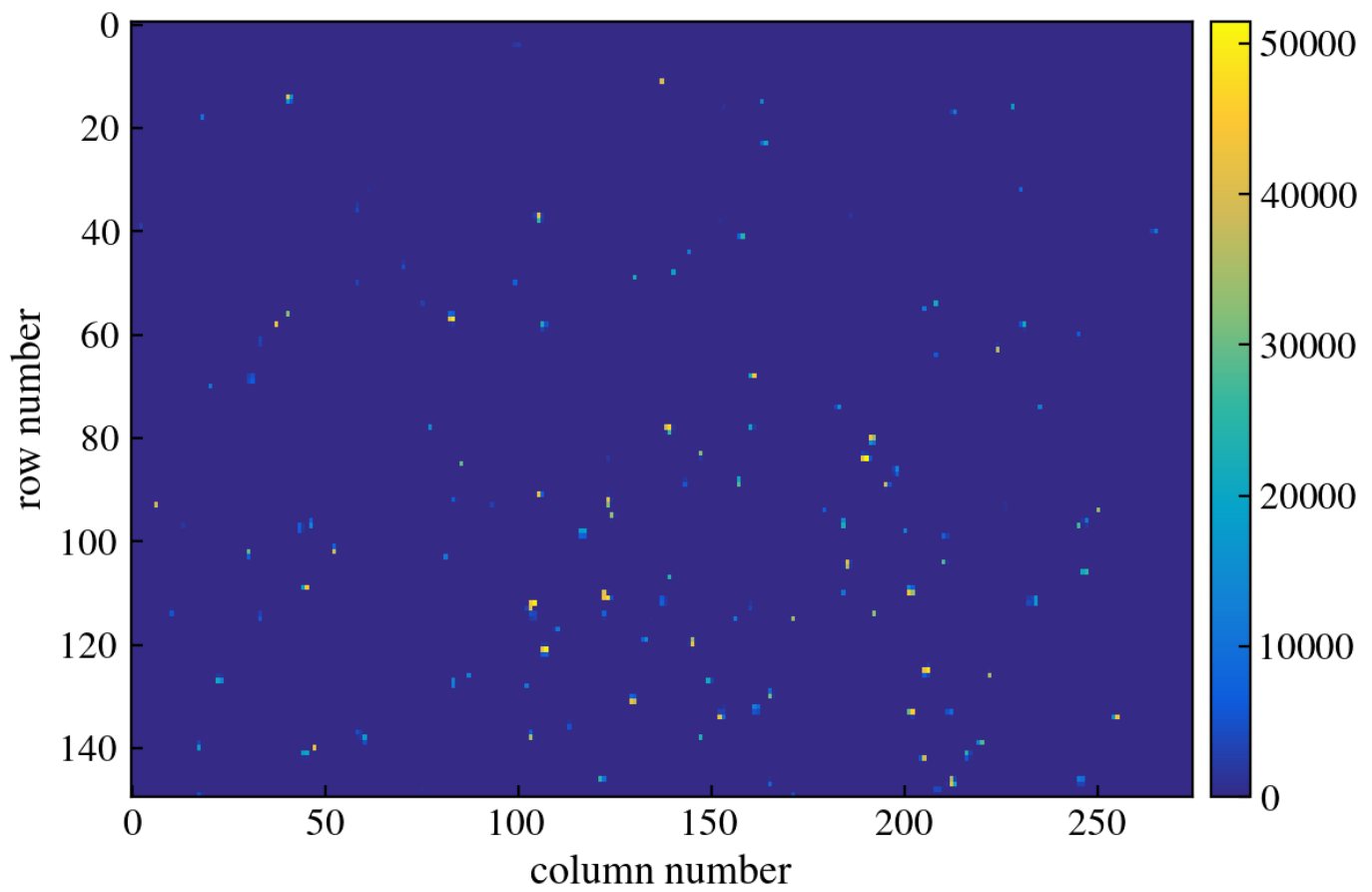


Figure 347: CCD Image



CCD Image: run 154, image 383  
[class MECCDImage]

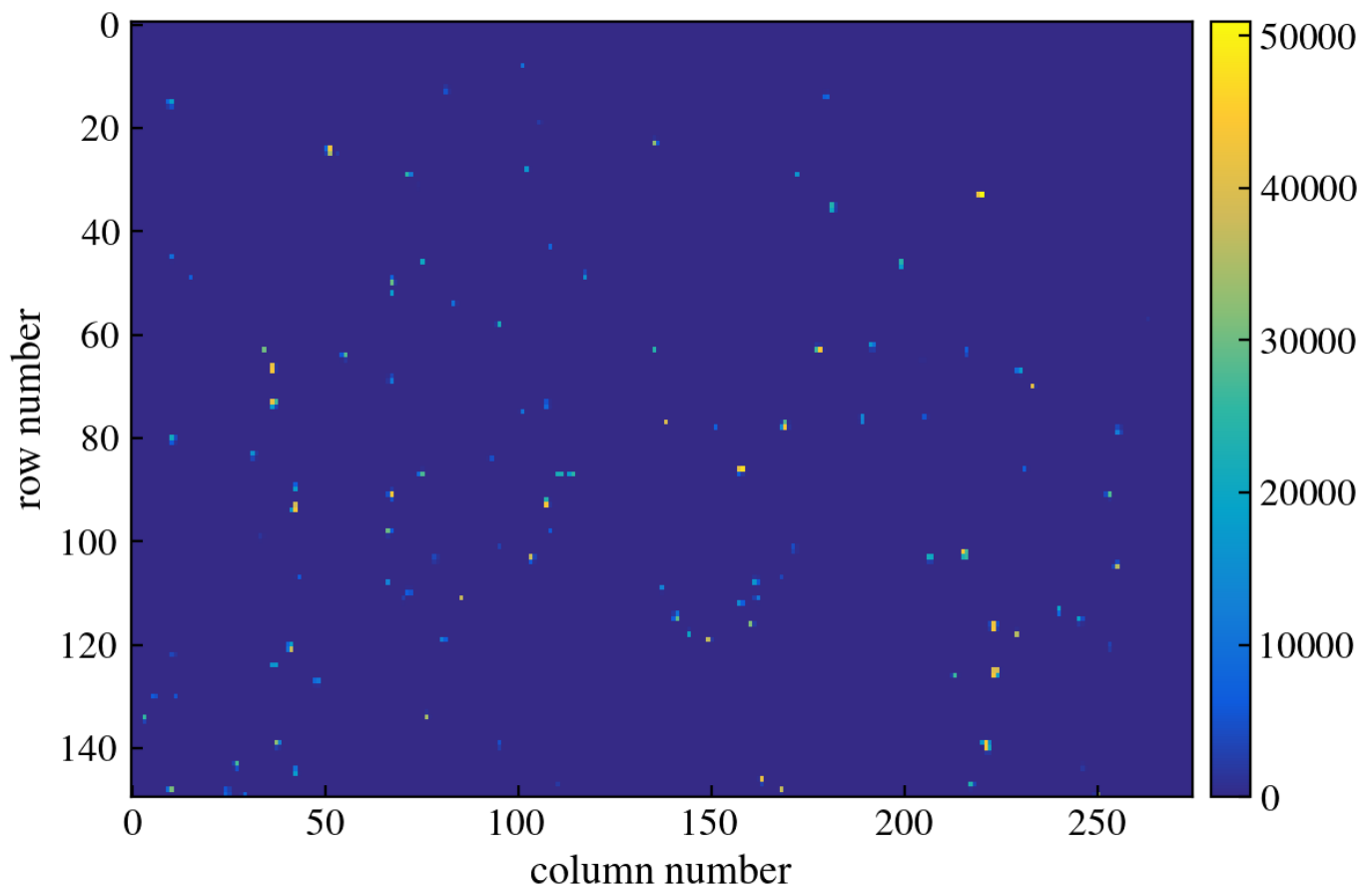


Figure 348: CCD Image

CCD Image: run 154, image 384  
[class MECCDImage]

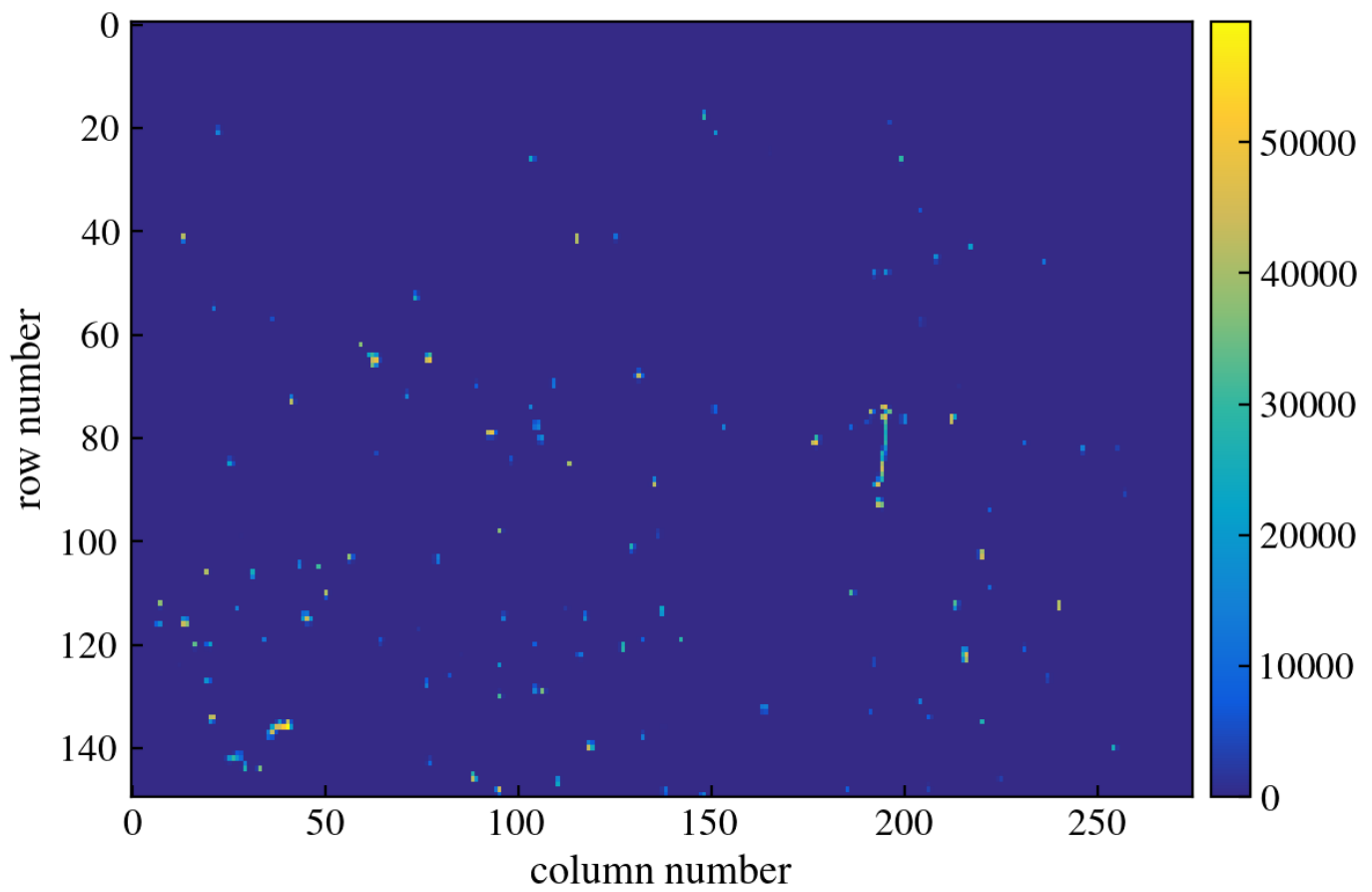


Figure 349: CCD Image

CCD Image: run 154, image 385  
[class MECCDImage]

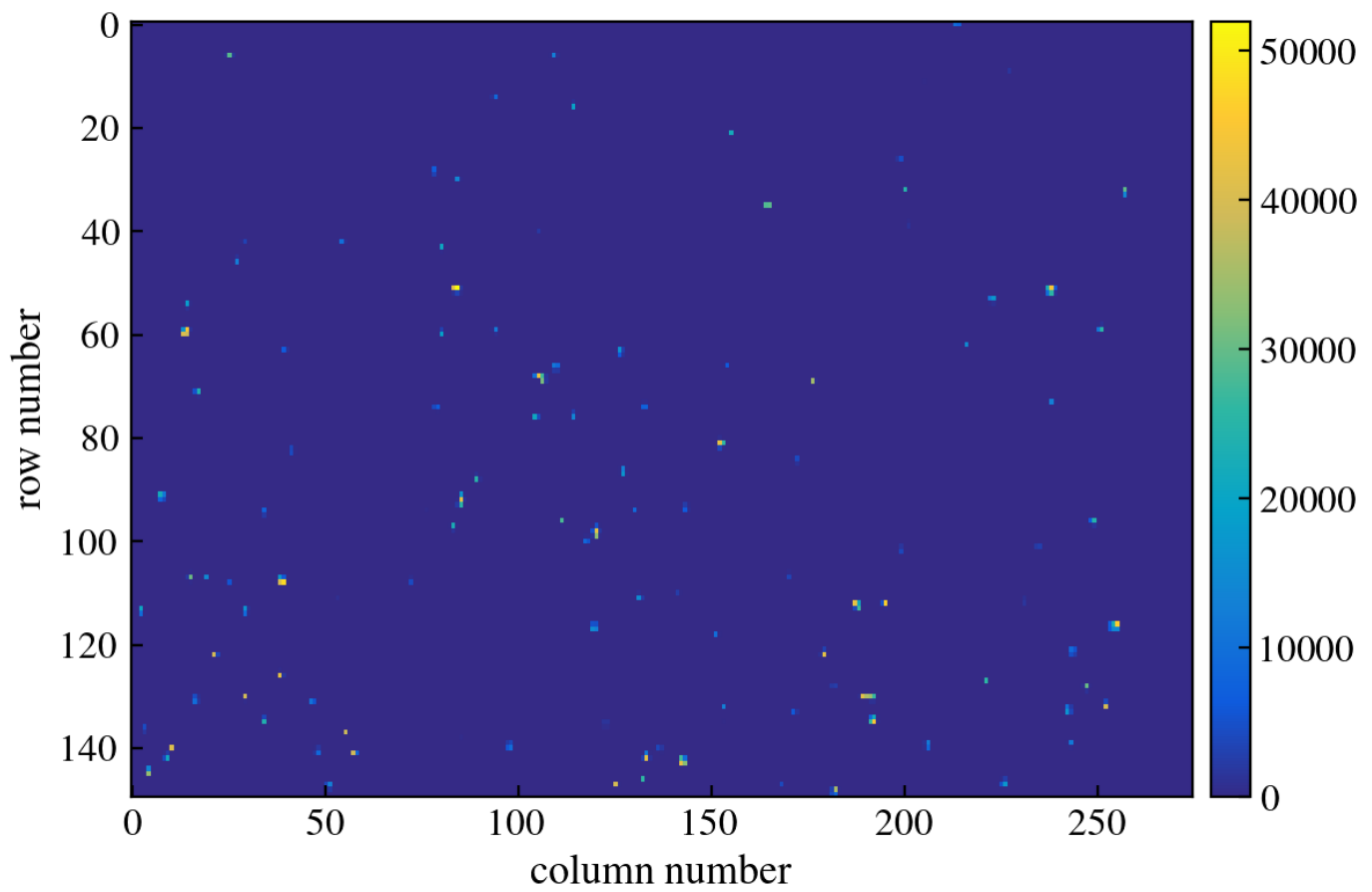


Figure 350: CCD Image

CCD Image: run 154, image 386  
[class MECCDImage]

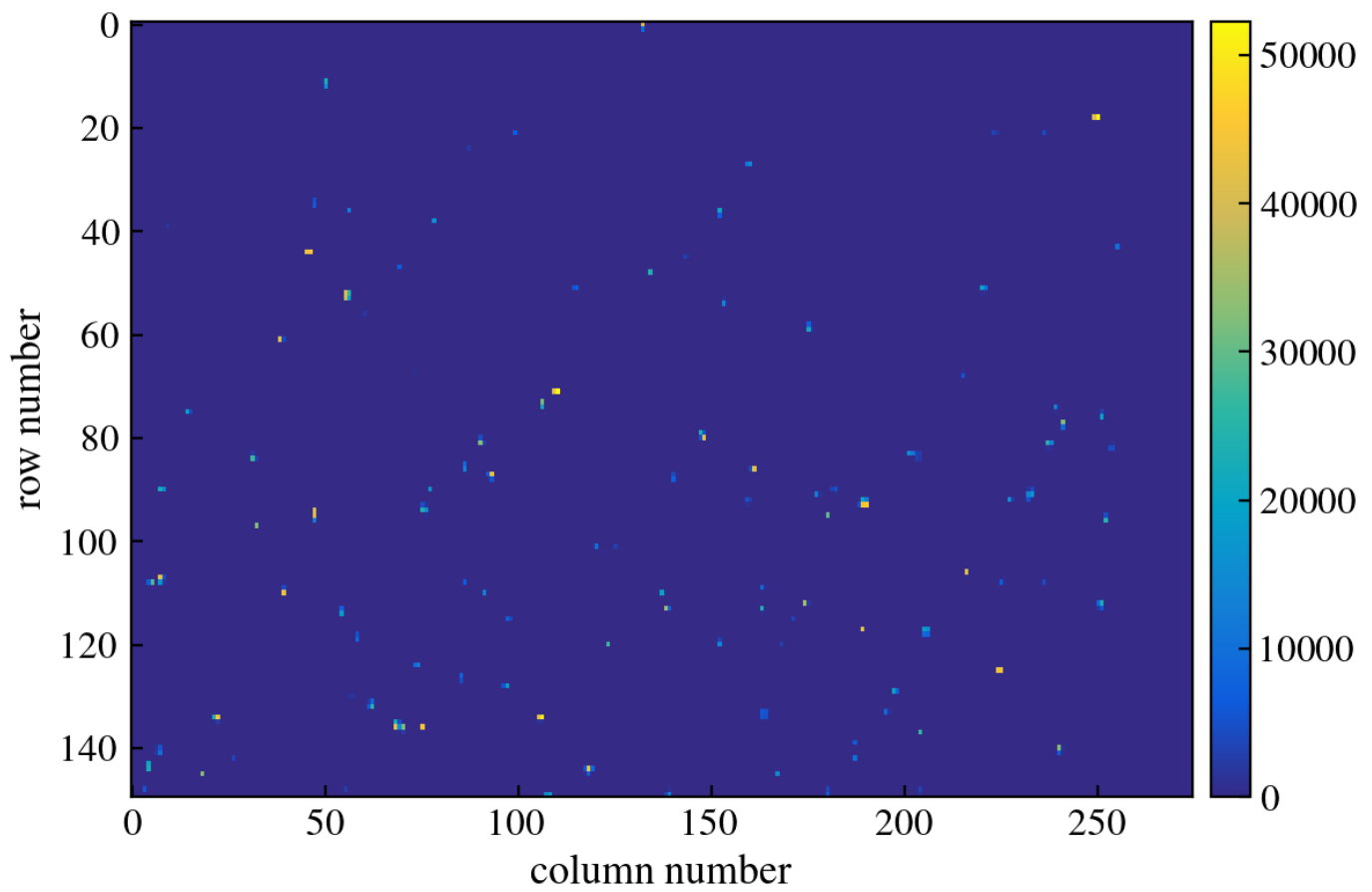


Figure 351: CCD Image

CCD Image: run 154, image 387  
[class MECCDImage]

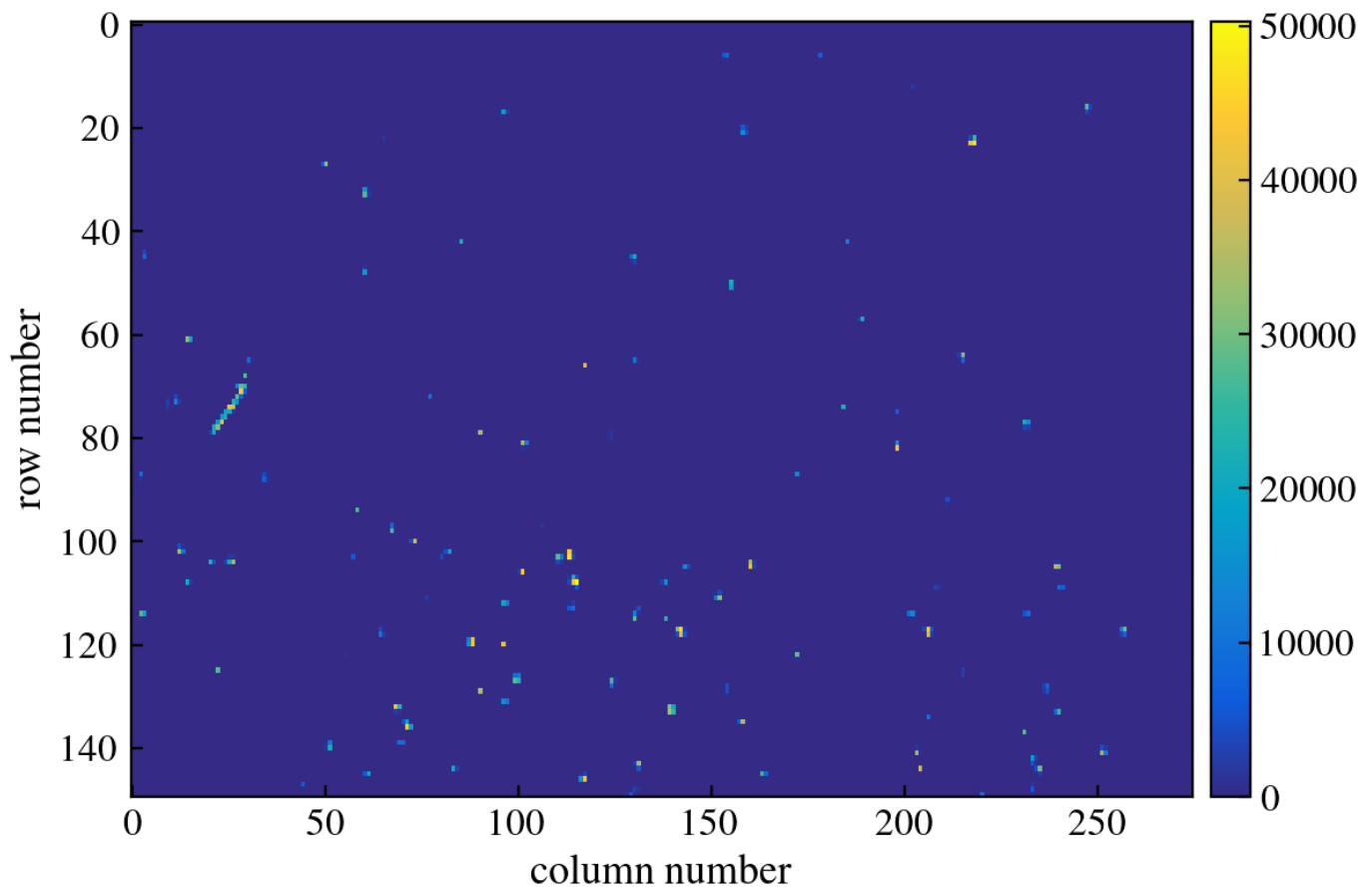


Figure 352: CCD Image

CCD Image: run 154, image 388  
[class MECCDImage]

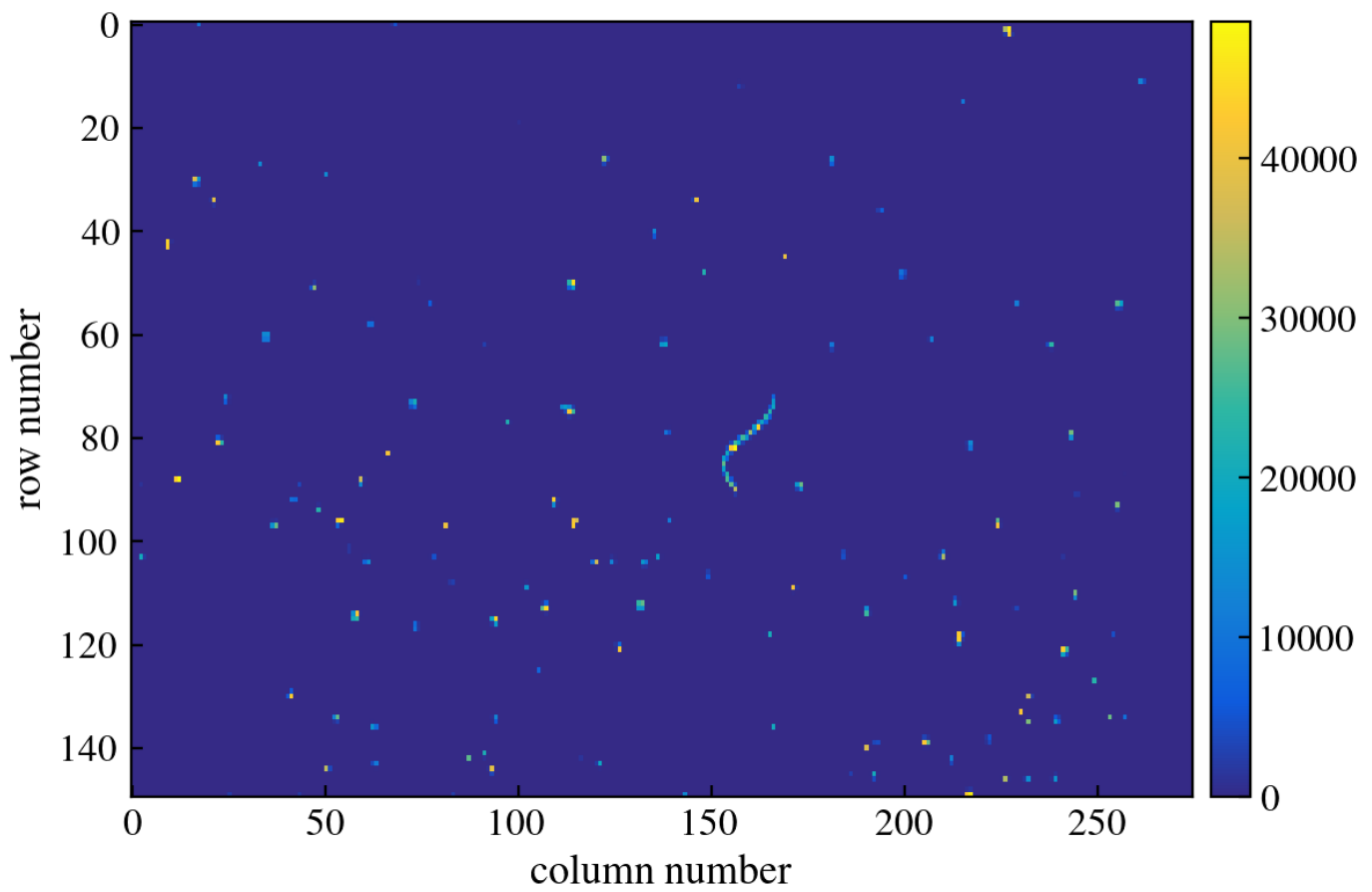


Figure 353: CCD Image

CCD Image: run 154, image 389  
[class MECCDImage]

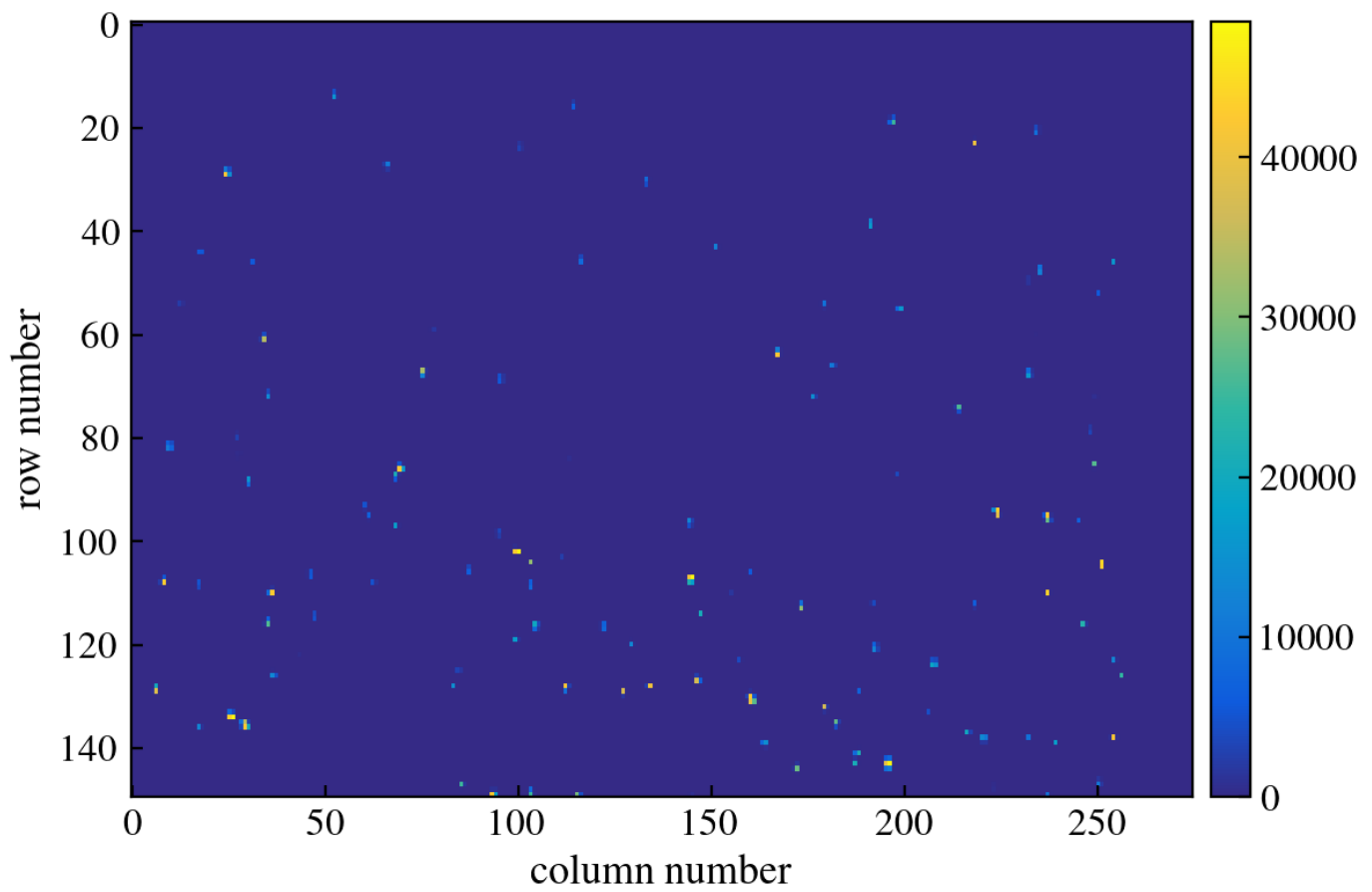


Figure 354: CCD Image

CCD Image: run 154, image 39  
[class MECCDImage]

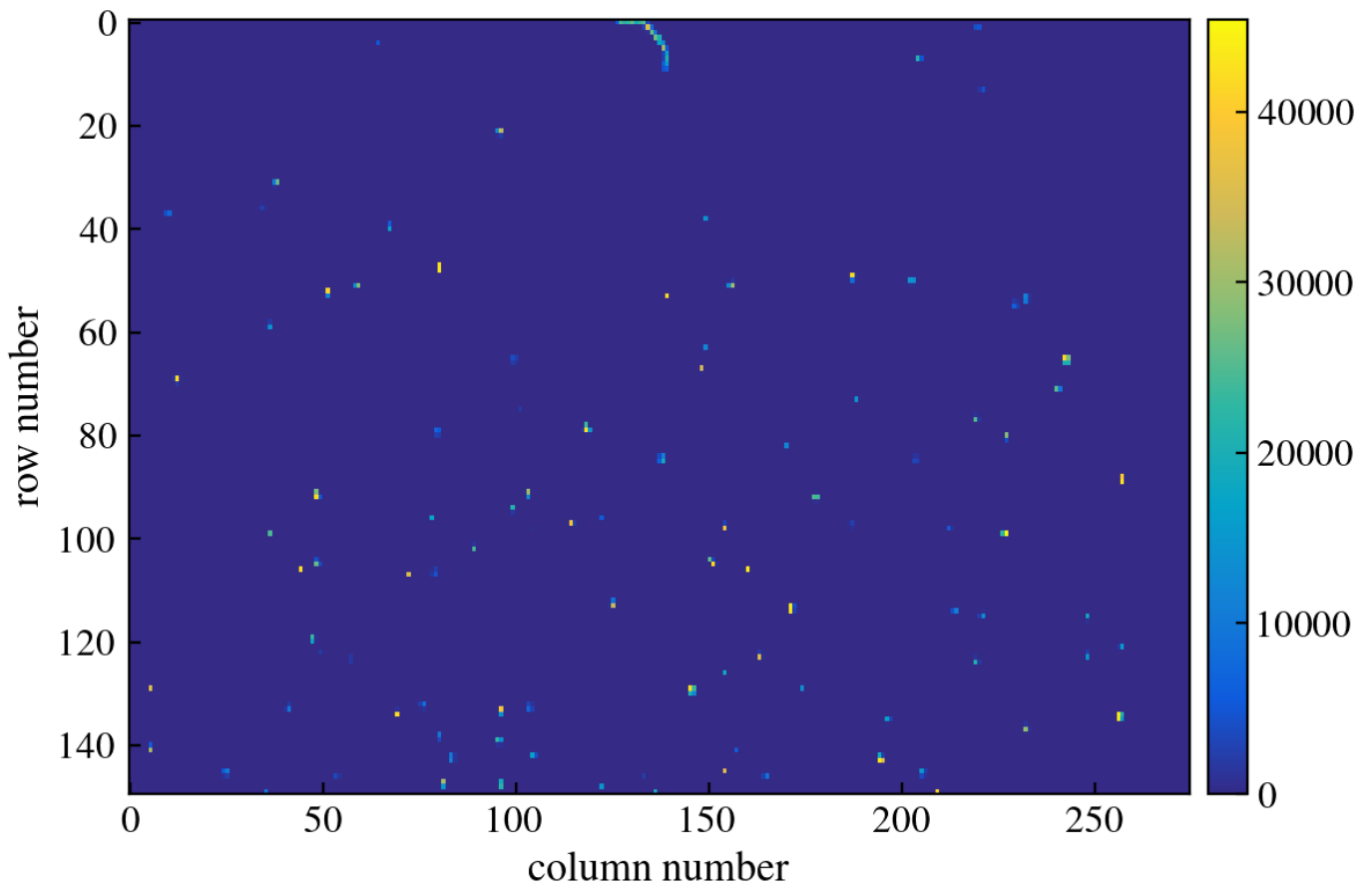


Figure 355: CCD Image



CCD Image: run 154, image 390  
[class MECCDImage]

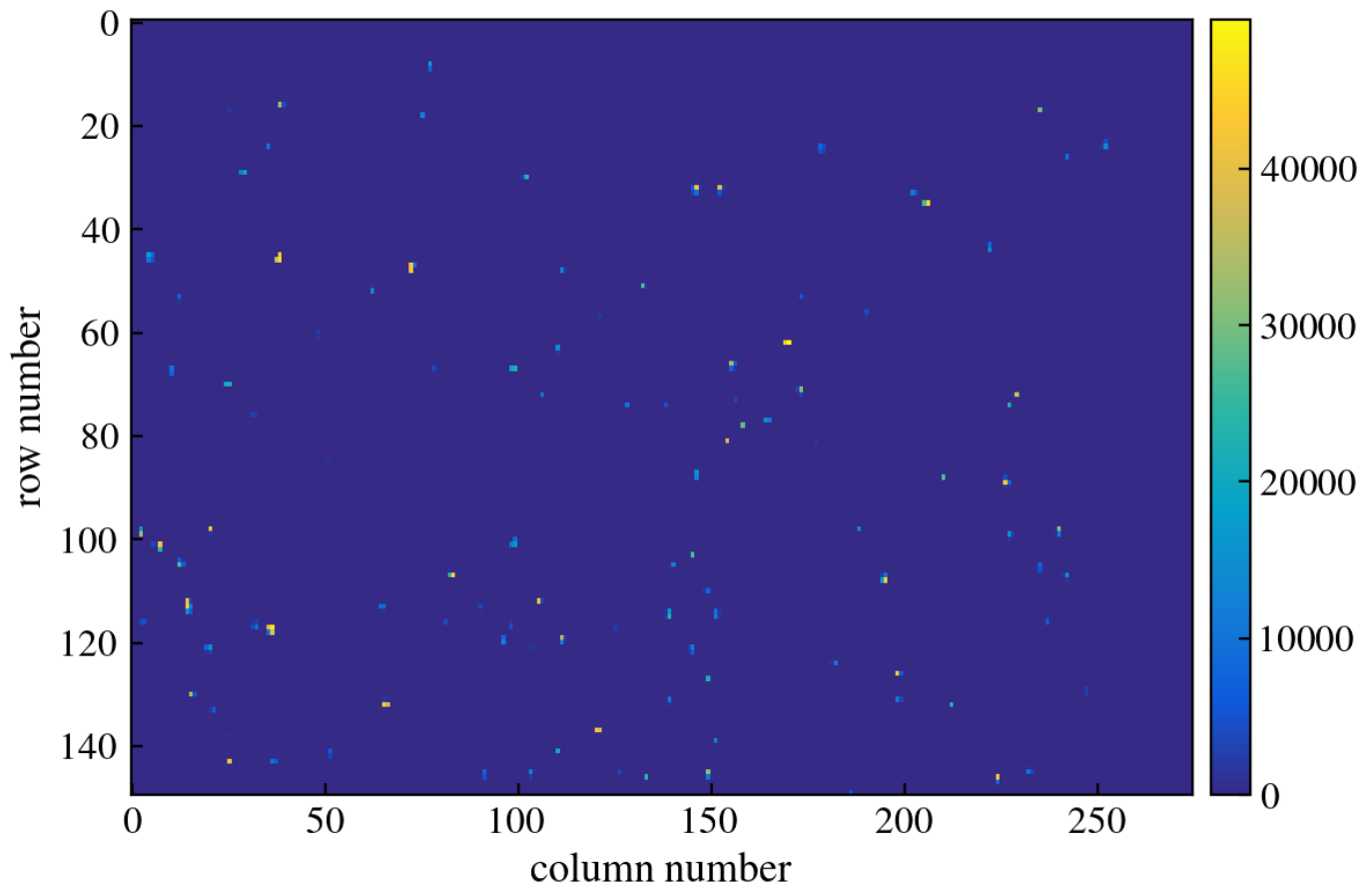


Figure 356: CCD Image

CCD Image: run 154, image 391  
[class MECCDImage]

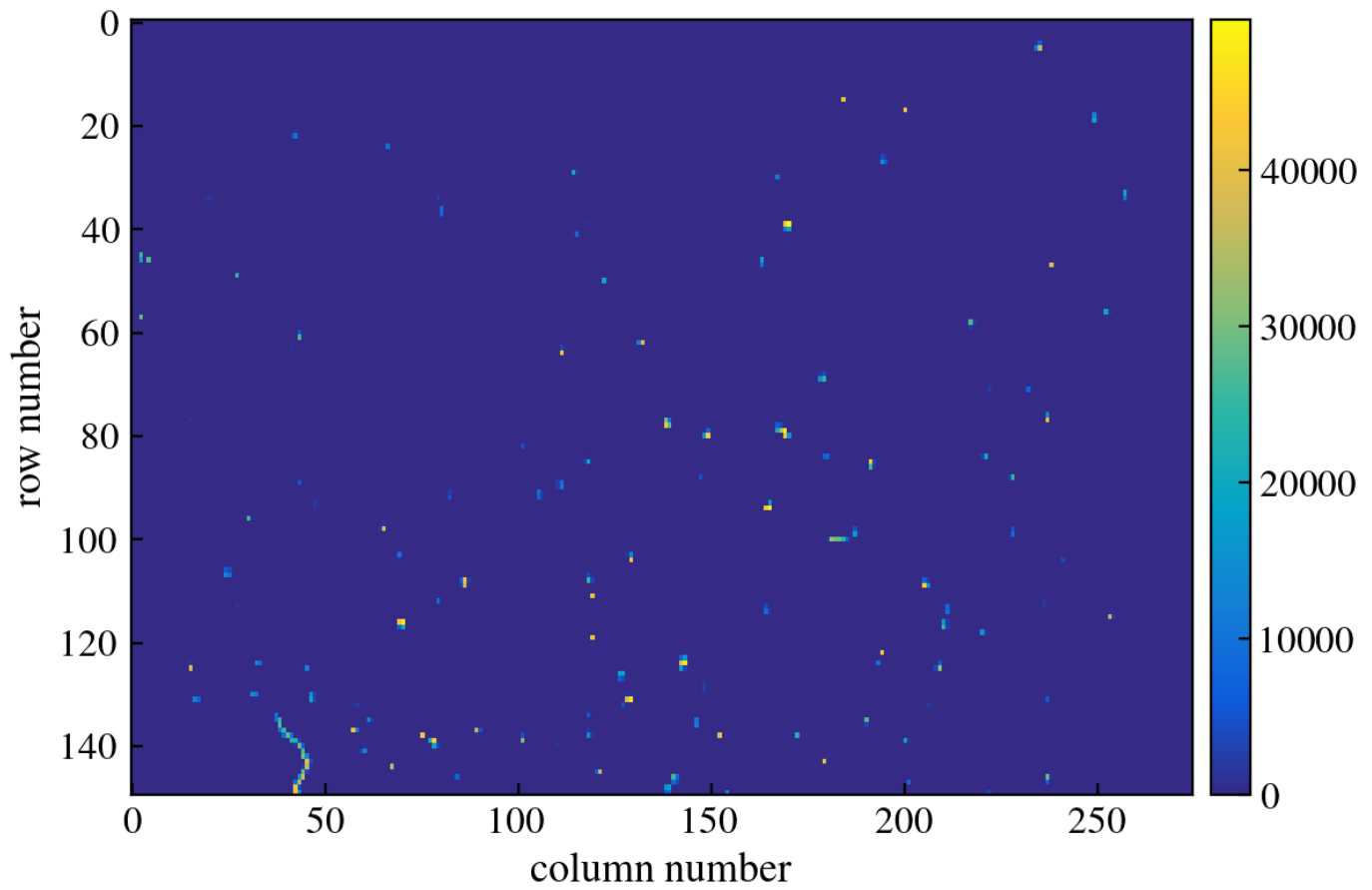


Figure 357: CCD Image

CCD Image: run 154, image 392  
[class MECCDImage]

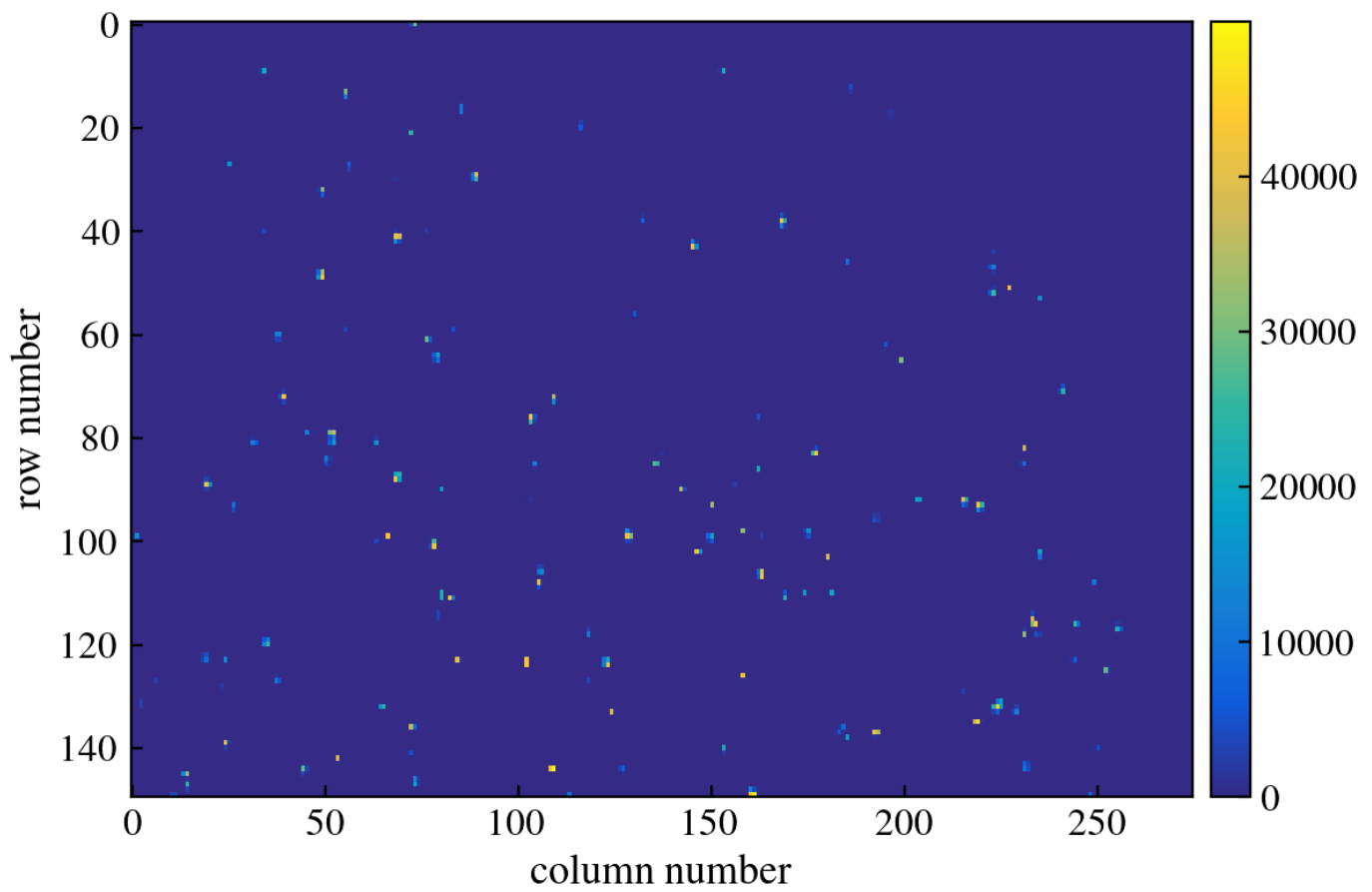


Figure 358: CCD Image

CCD Image: run 154, image 393  
[class MECCDImage]

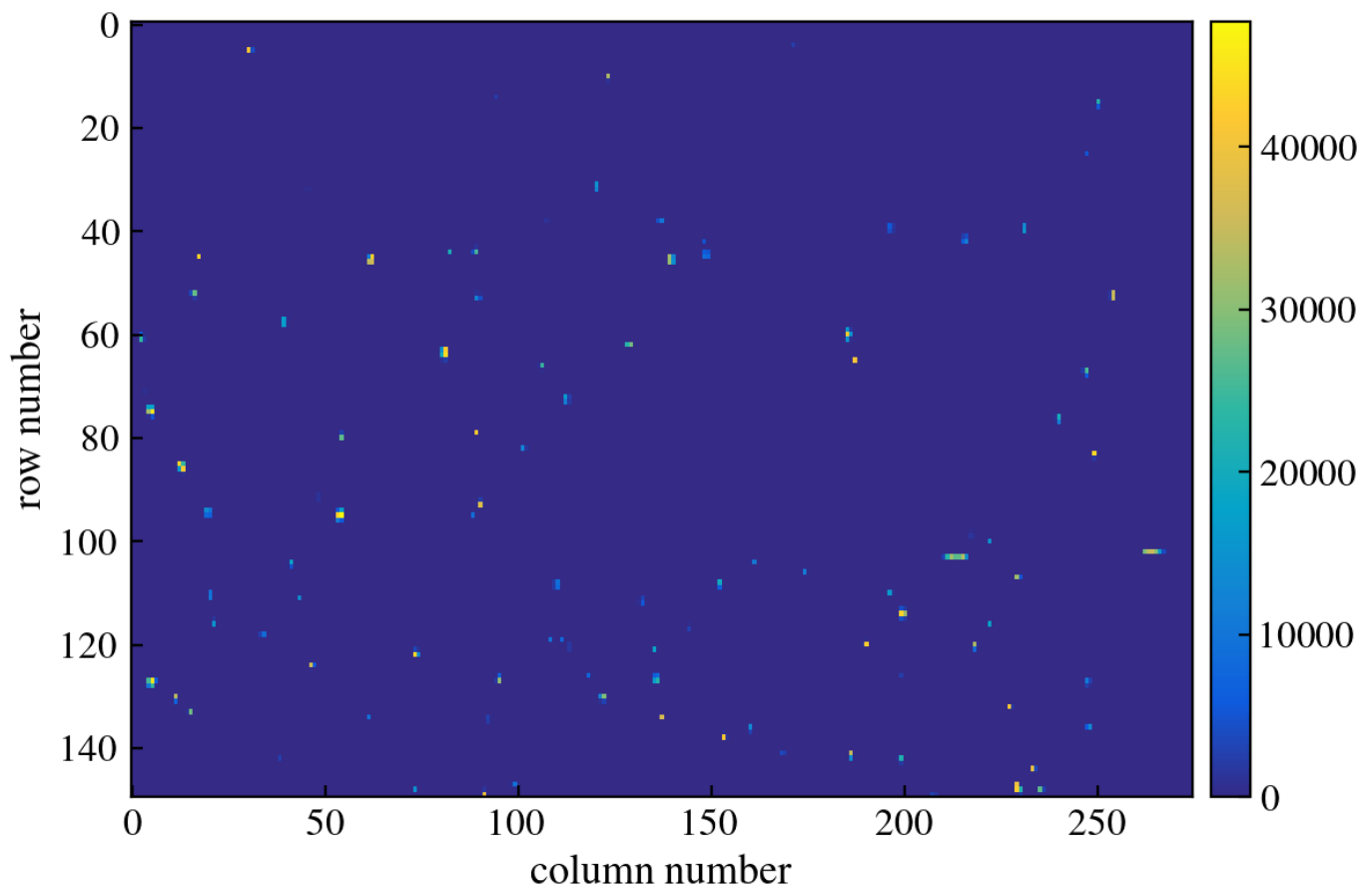


Figure 359: CCD Image

CCD Image: run 154, image 394  
[class MECCDImage]

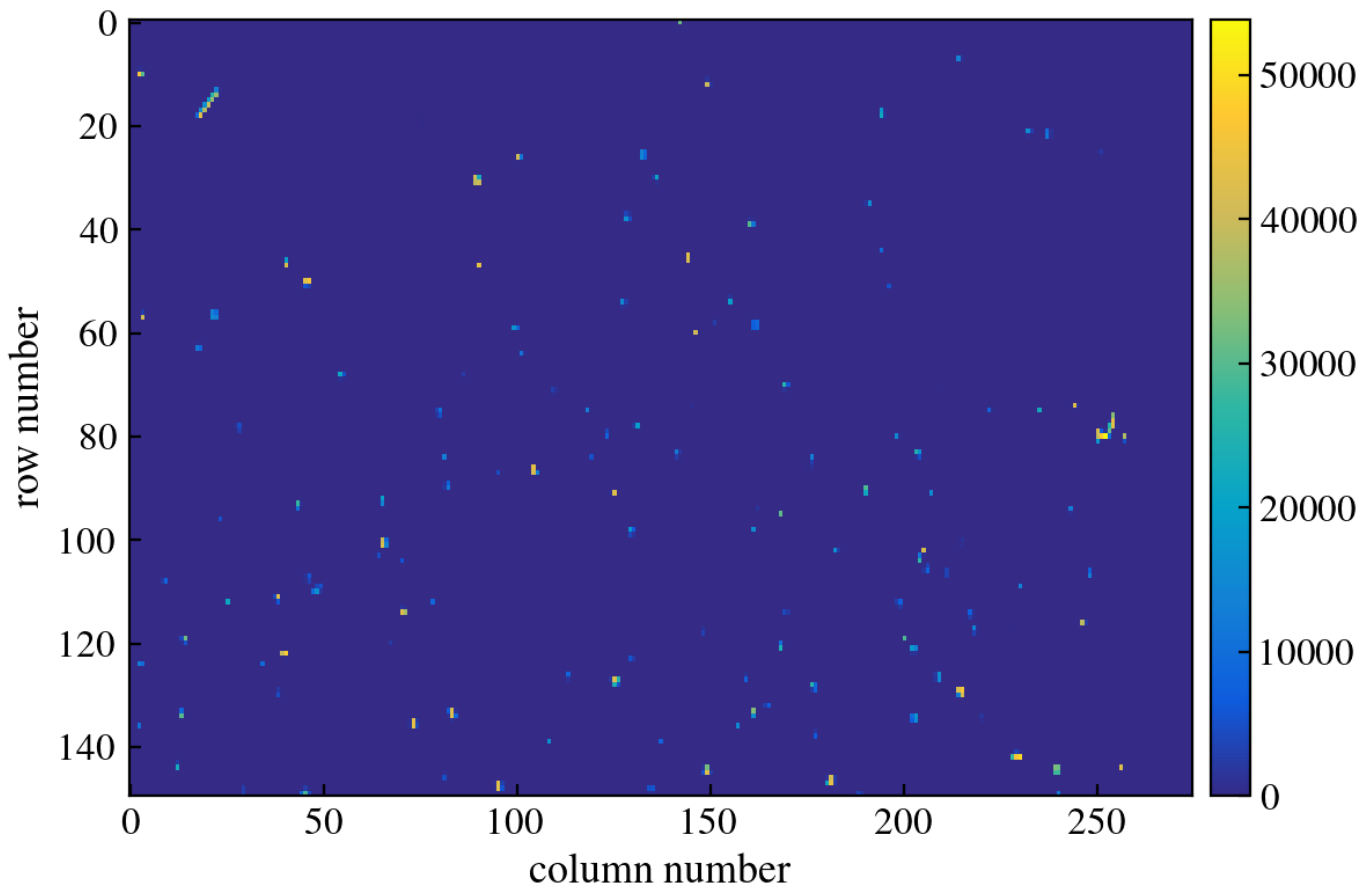


Figure 360: CCD Image

CCD Image: run 154, image 395  
[class MECCDImage]

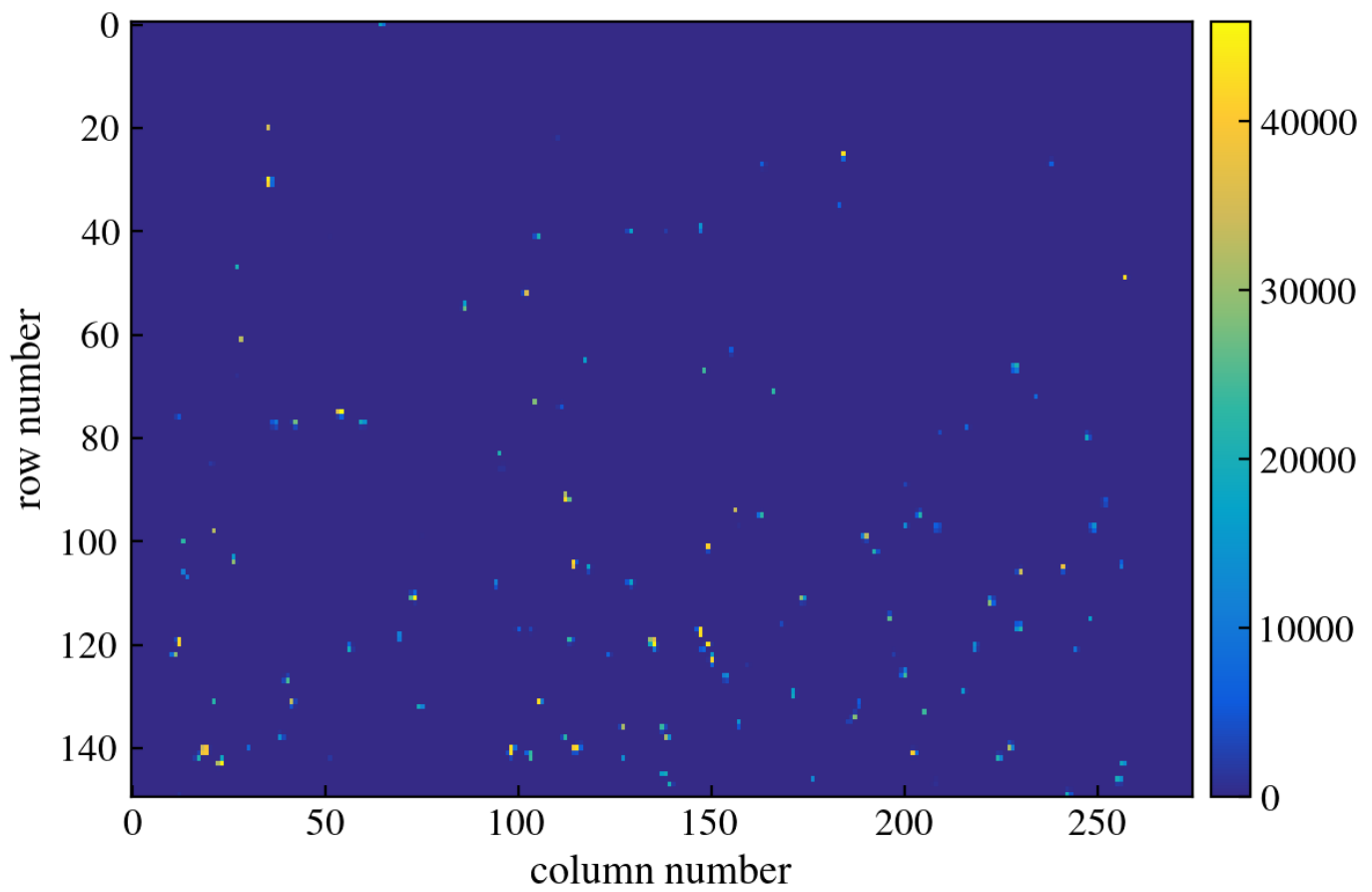


Figure 361: CCD Image

CCD Image: run 154, image 396  
[class MECCDImage]

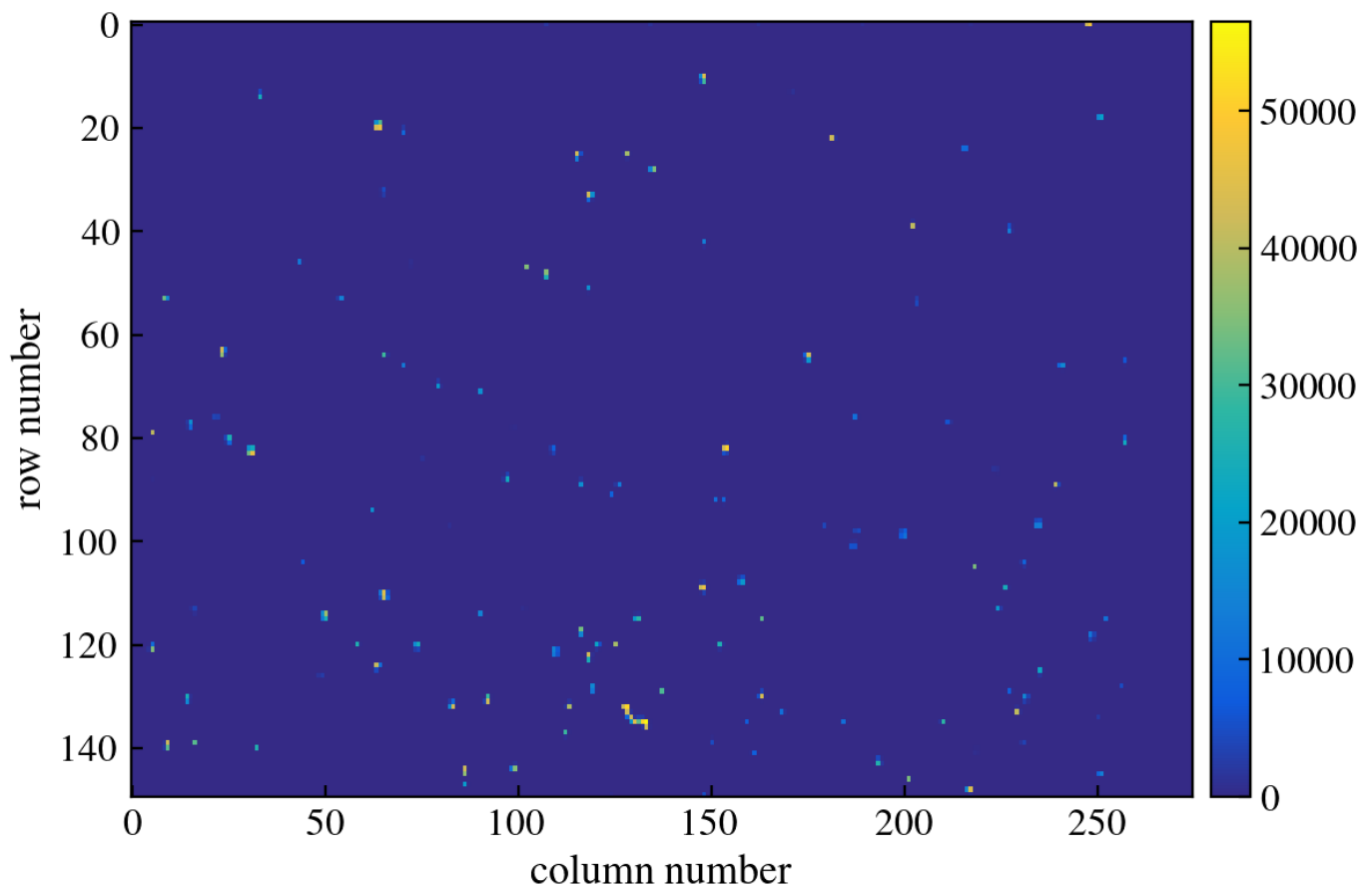


Figure 362: CCD Image

CCD Image: run 154, image 397  
[class MECCDImage]

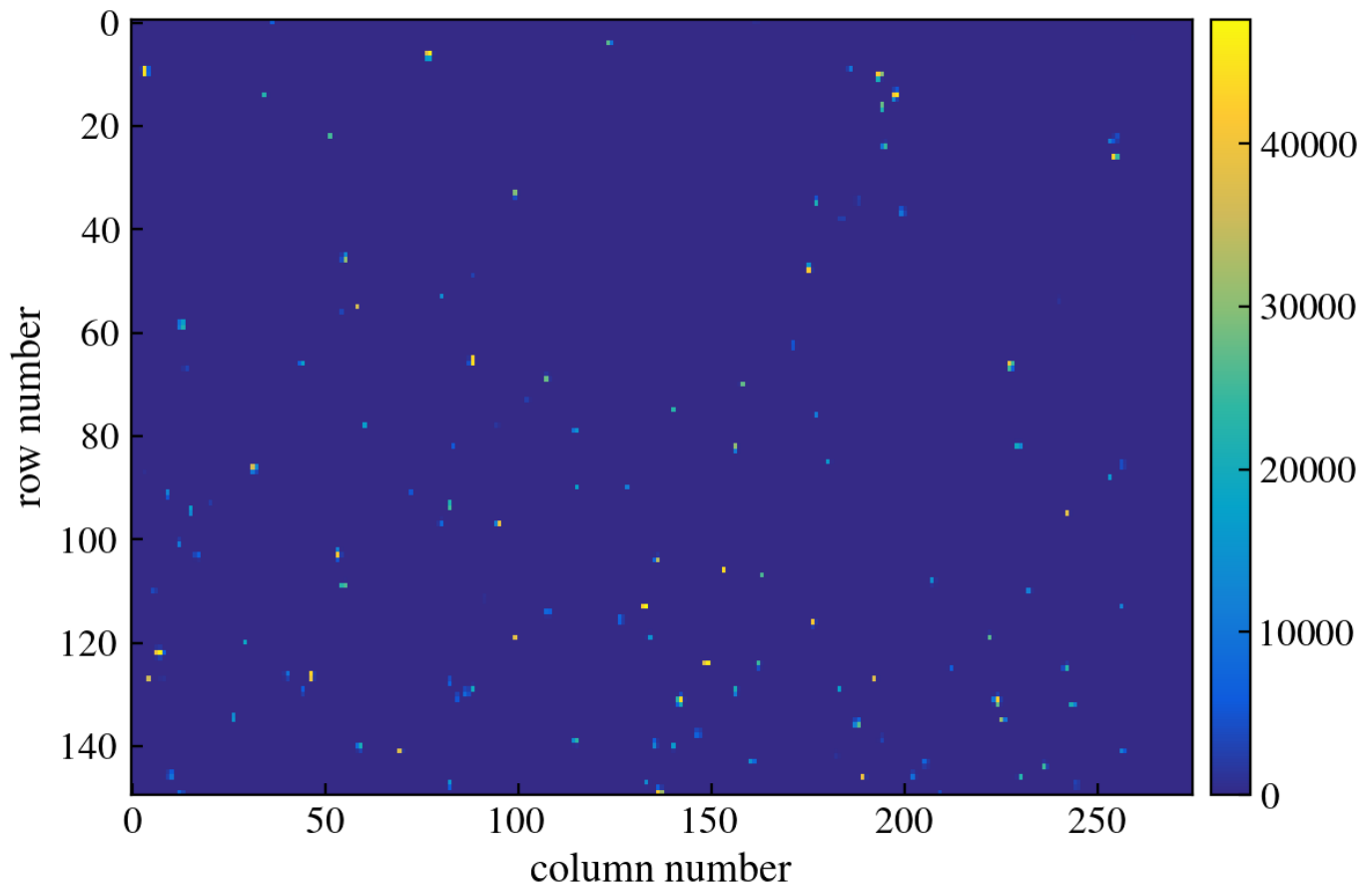


Figure 363: CCD Image



CCD Image: run 154, image 398  
[class MECCDImage]

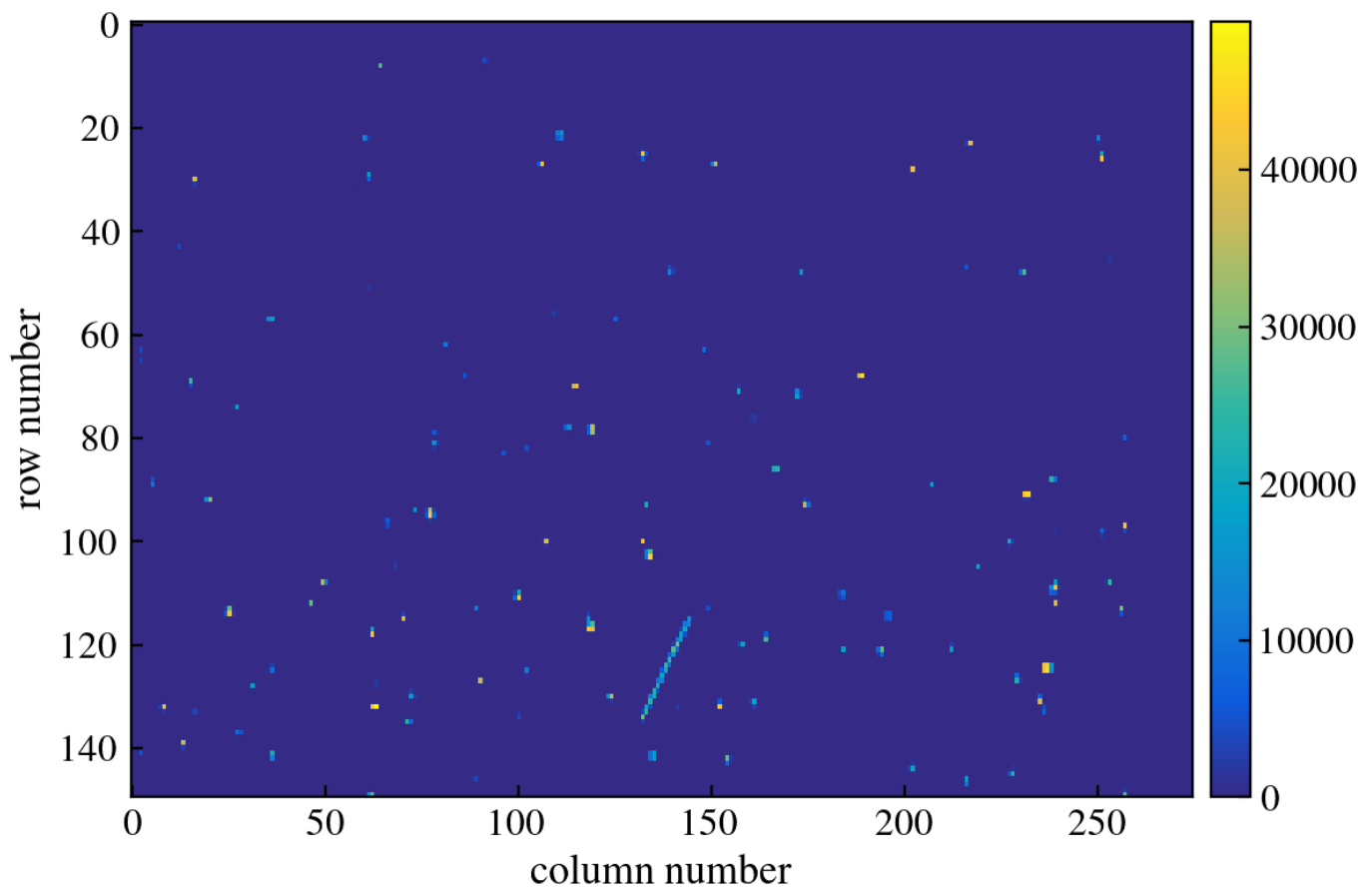


Figure 364: CCD Image

CCD Image: run 154, image 399  
[class MECCDImage]

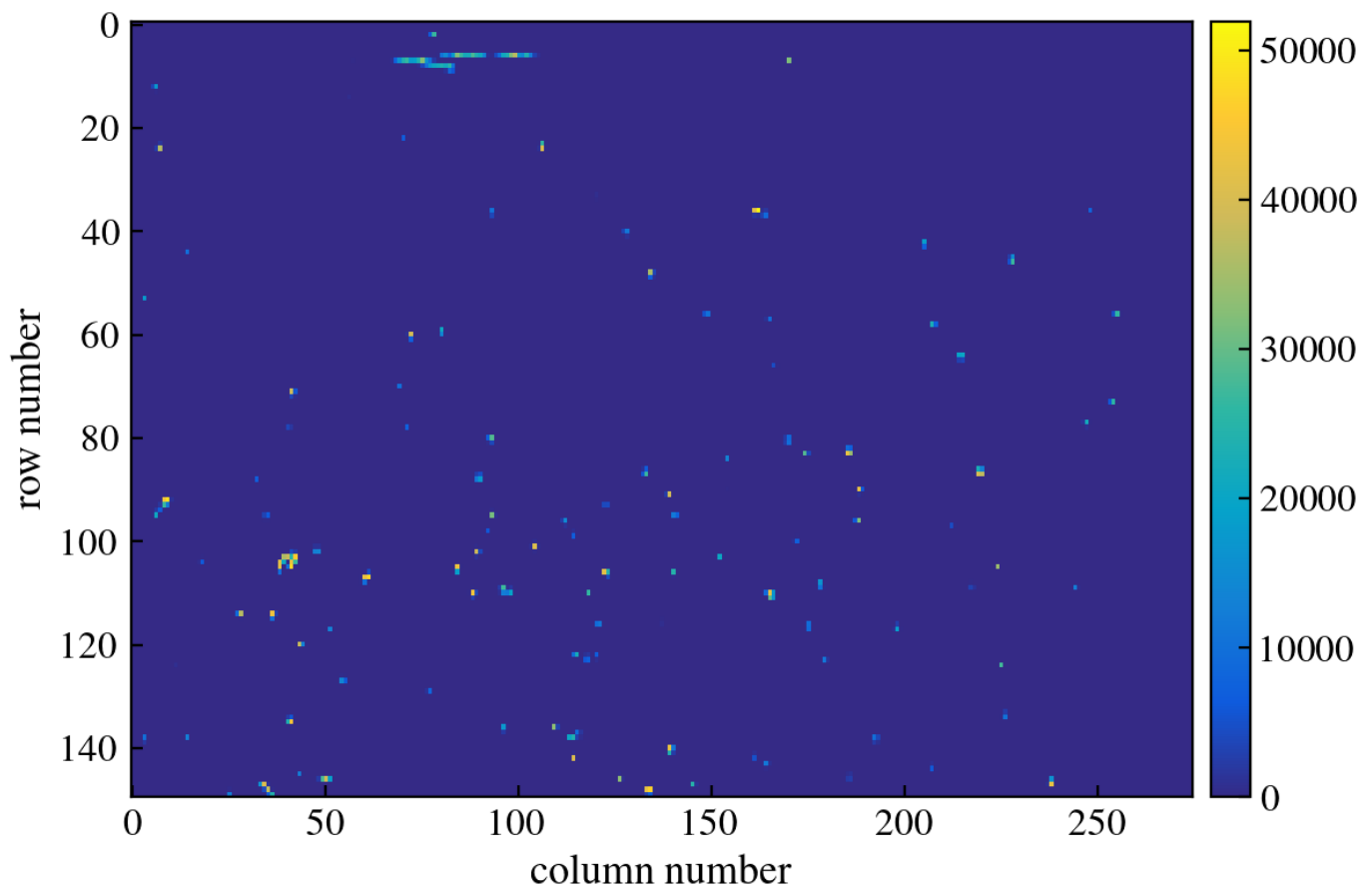


Figure 365: CCD Image

CCD Image: run 154, image 4  
[class MECCDImage]

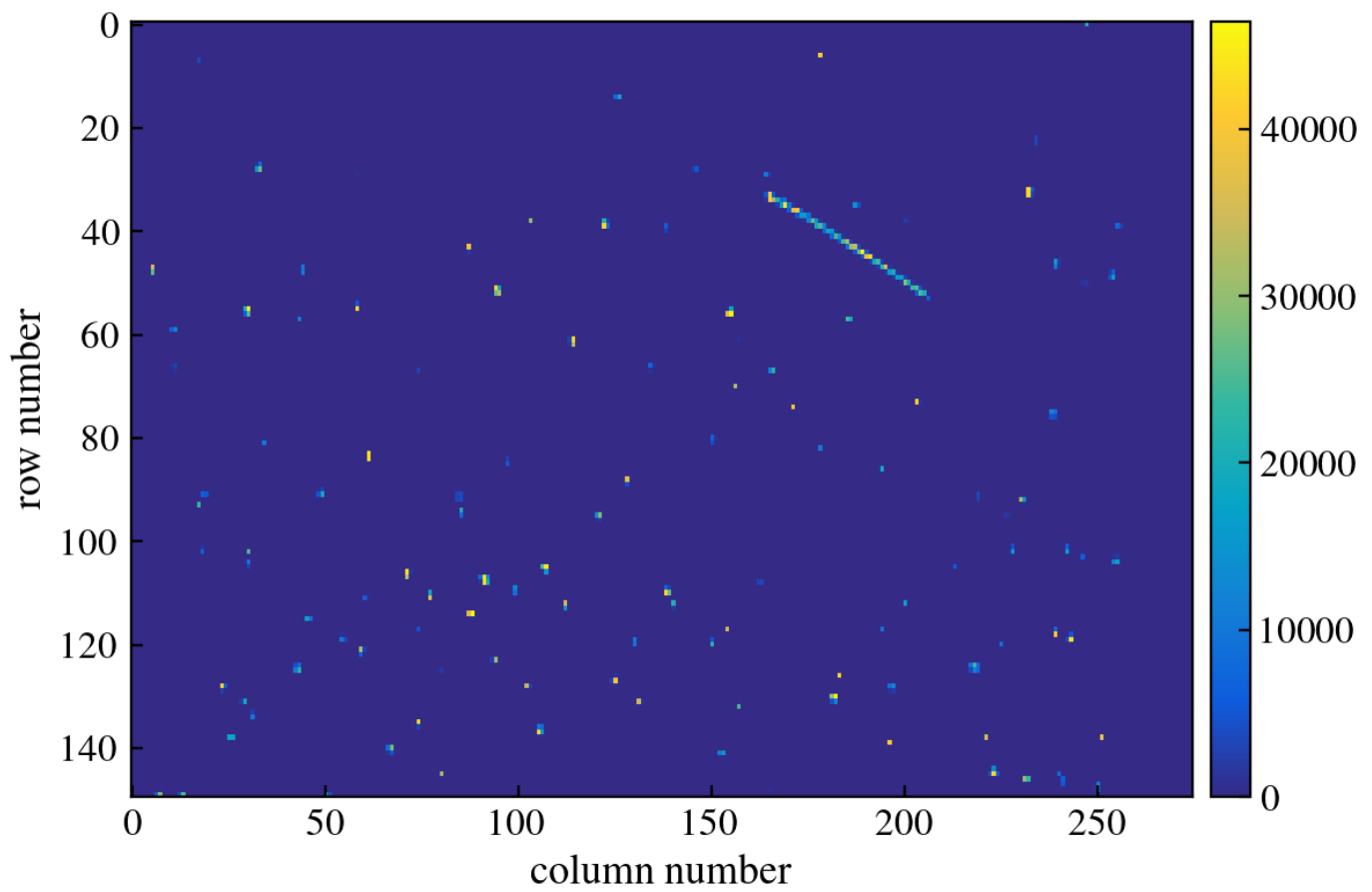


Figure 366: CCD Image

CCD Image: run 154, image 40  
[class MECCDImage]

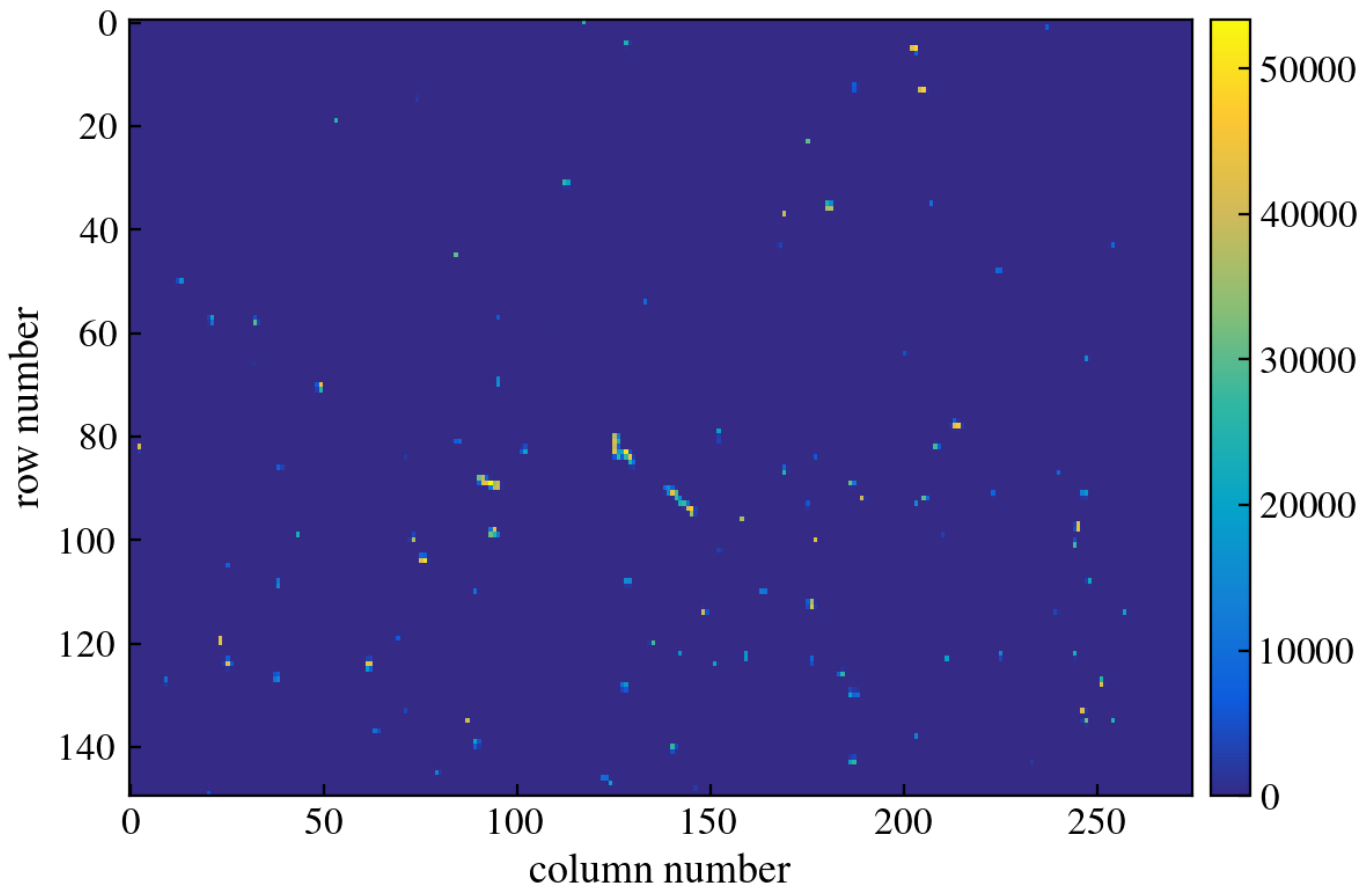


Figure 367: CCD Image

CCD Image: run 154, image 400  
[class MECCDImage]

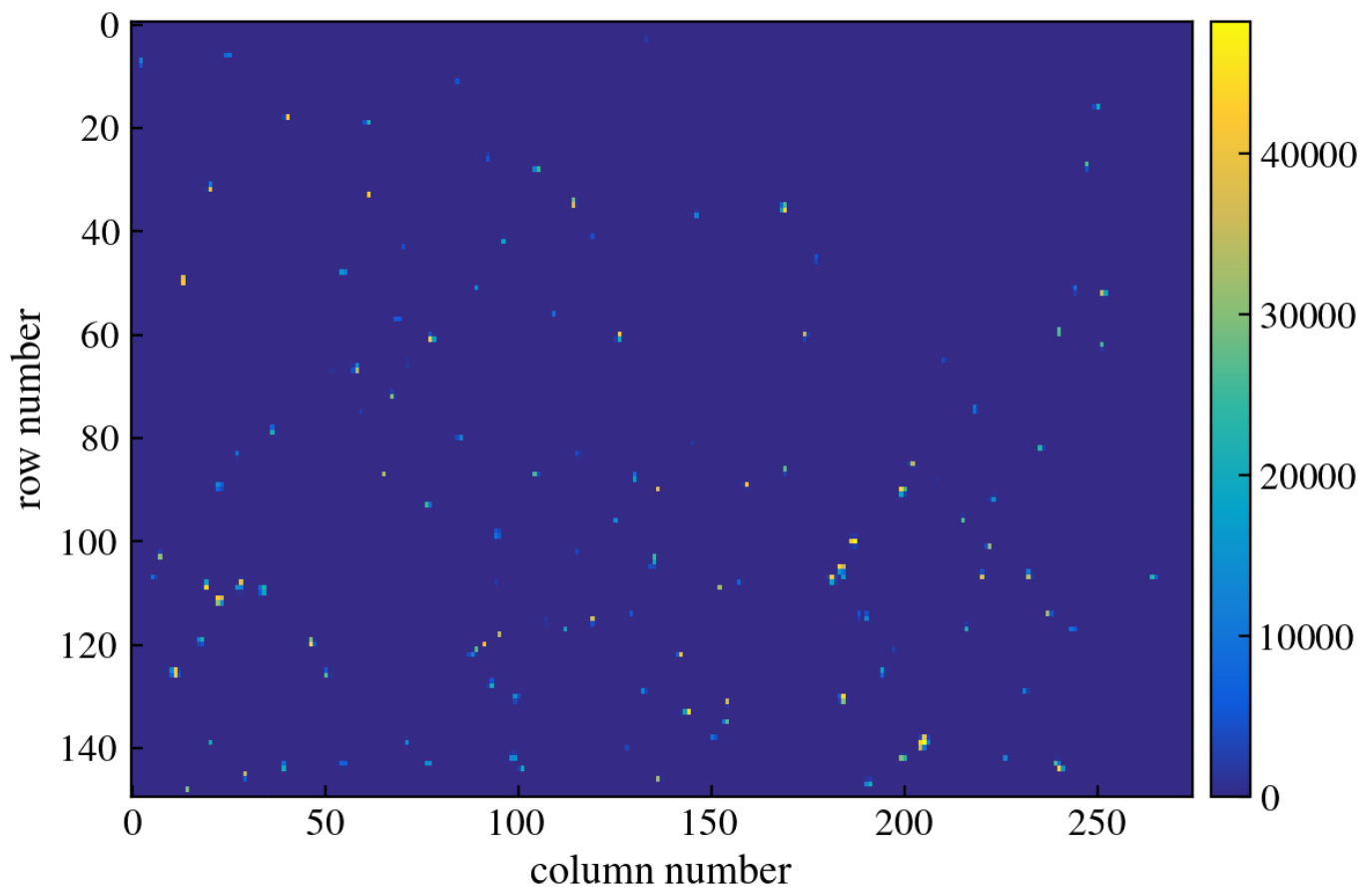


Figure 368: CCD Image

CCD Image: run 154, image 41  
[class MECCDImage]

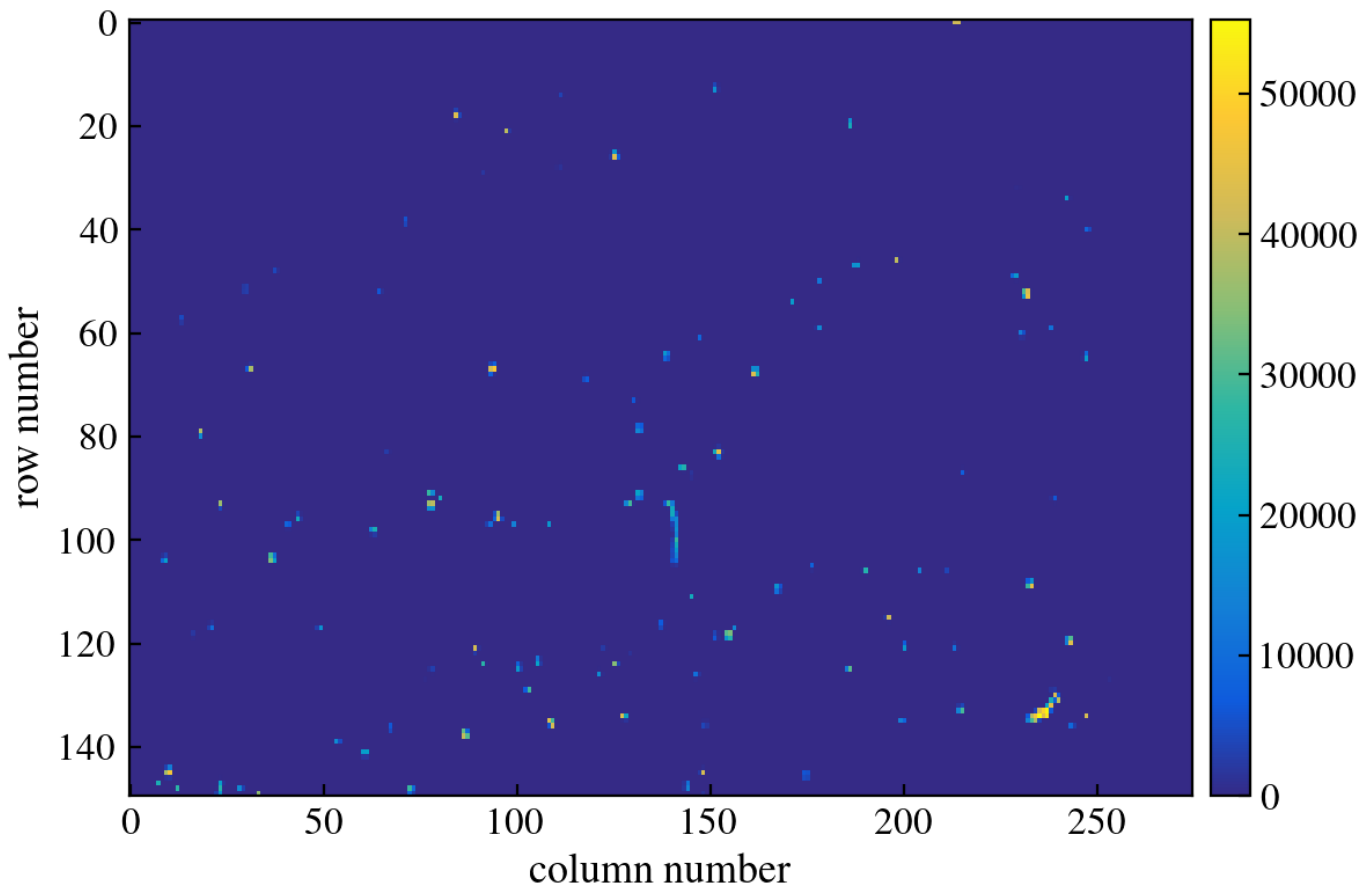


Figure 369: CCD Image

CCD Image: run 154, image 42  
[class MECCDImage]

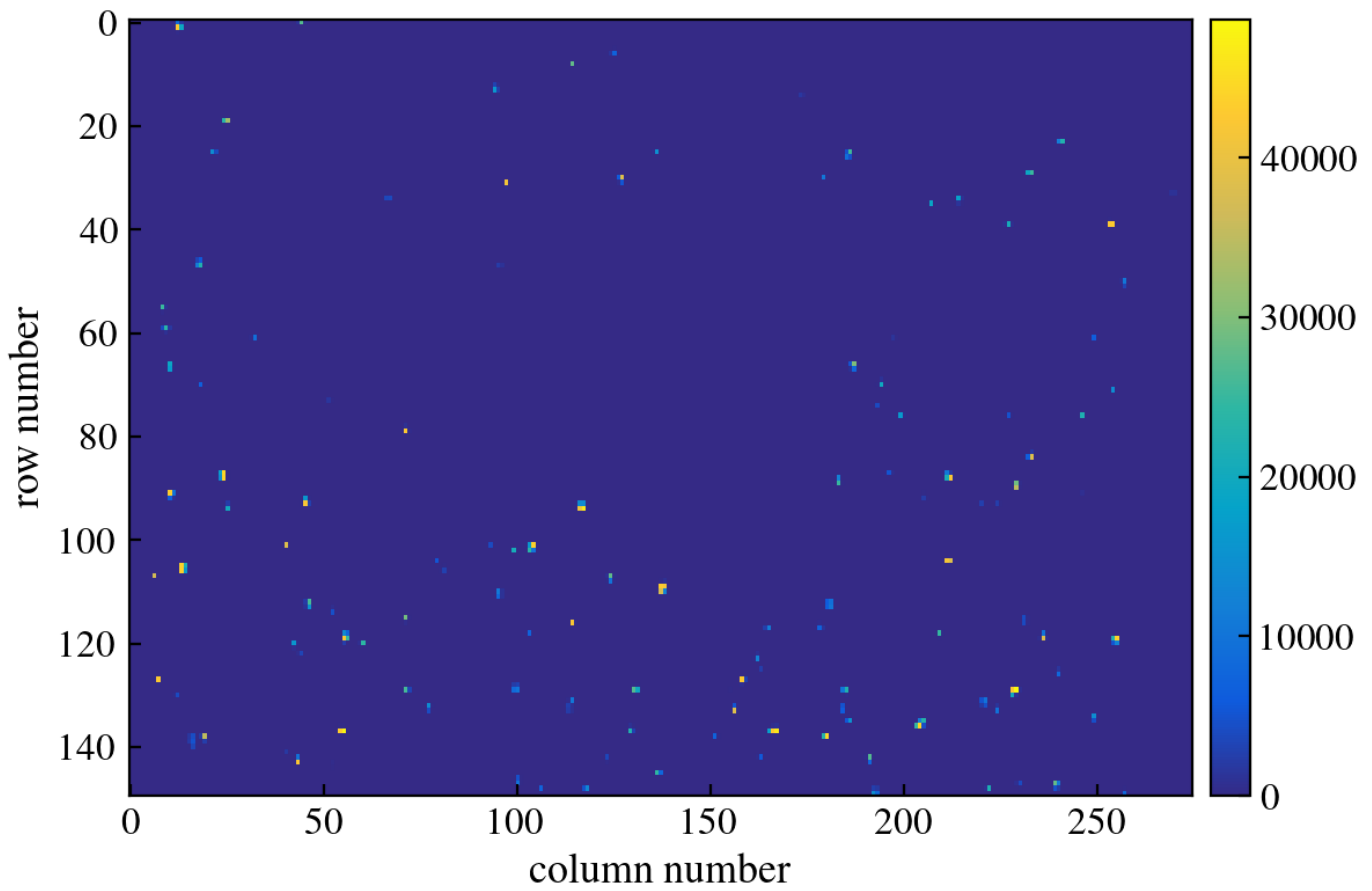


Figure 370: CCD Image

CCD Image: run 154, image 43  
[class MECCDImage]

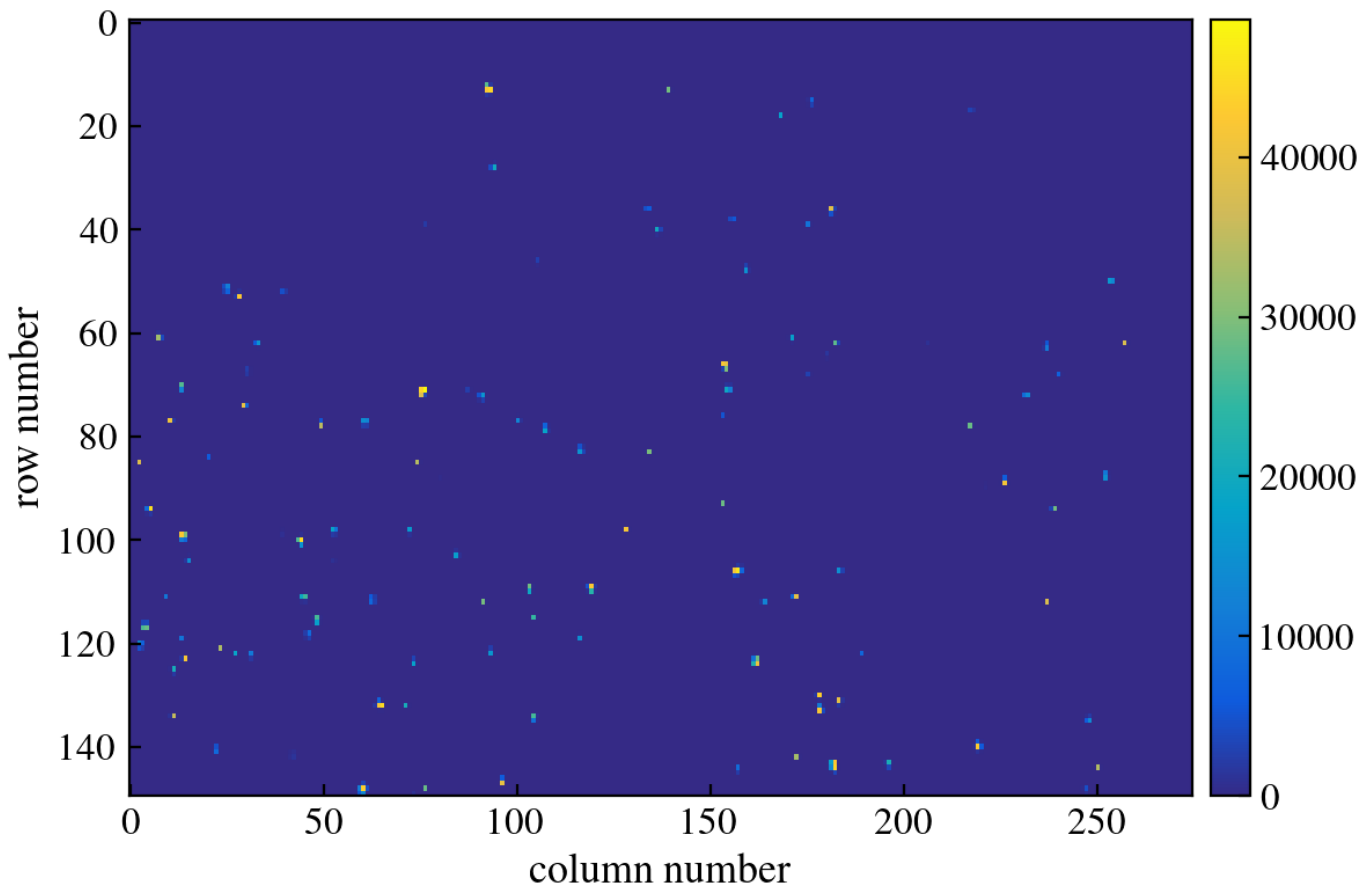


Figure 371: CCD Image



CCD Image: run 154, image 44  
[class MECCDImage]

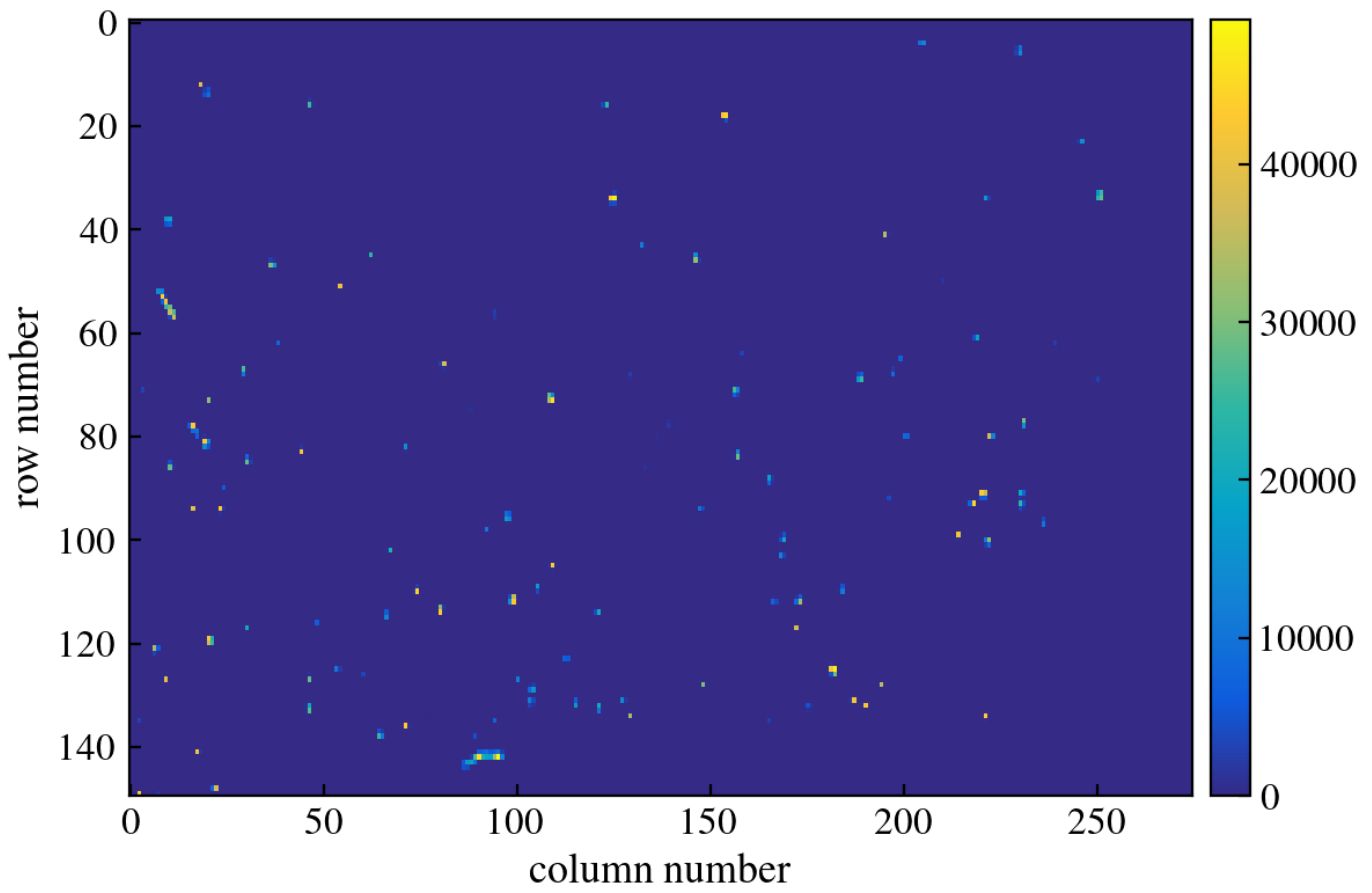


Figure 372: CCD Image

CCD Image: run 154, image 45  
[class MECCDImage]

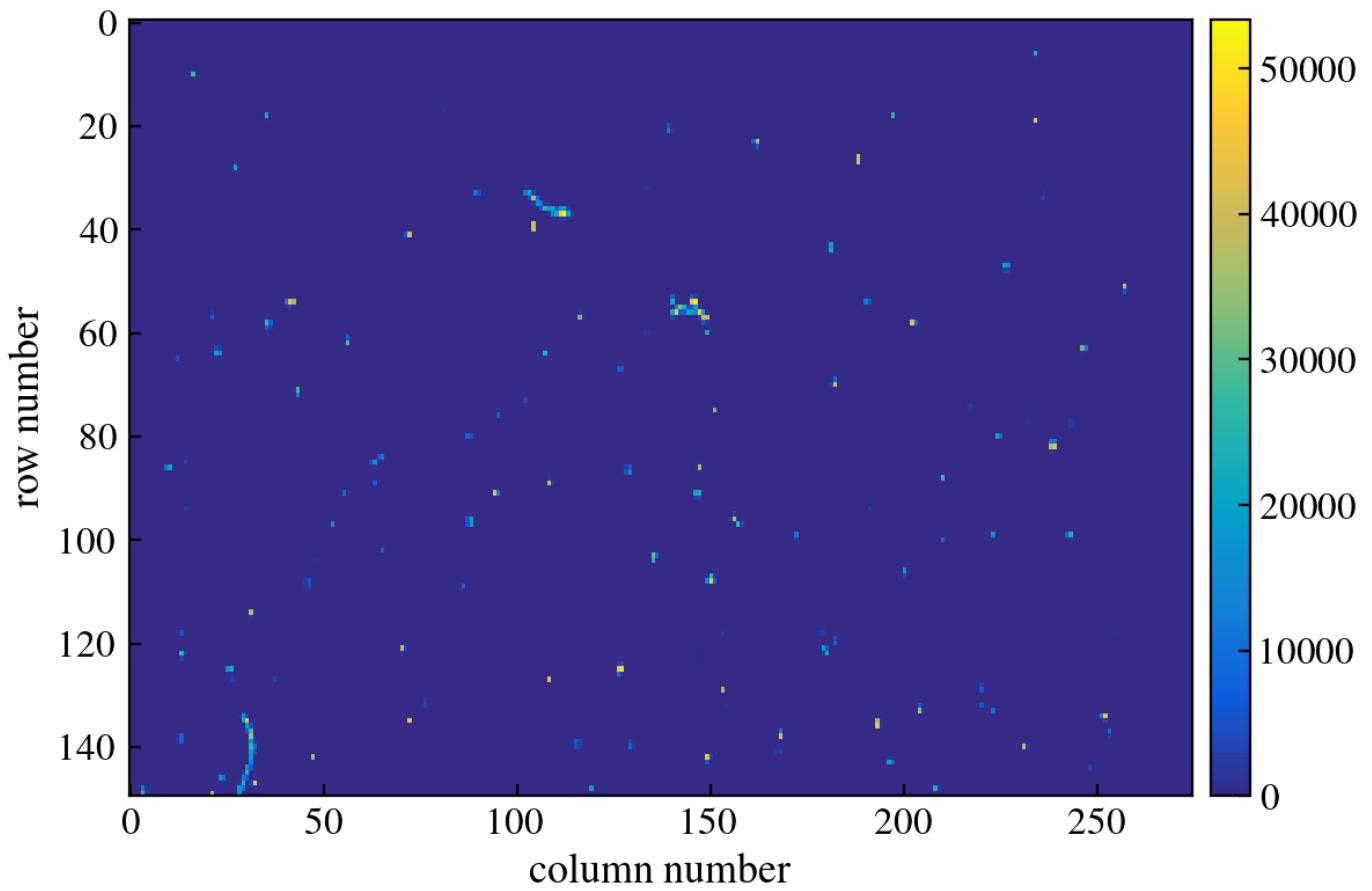


Figure 373: CCD Image

CCD Image: run 154, image 46  
[class MECCDImage]

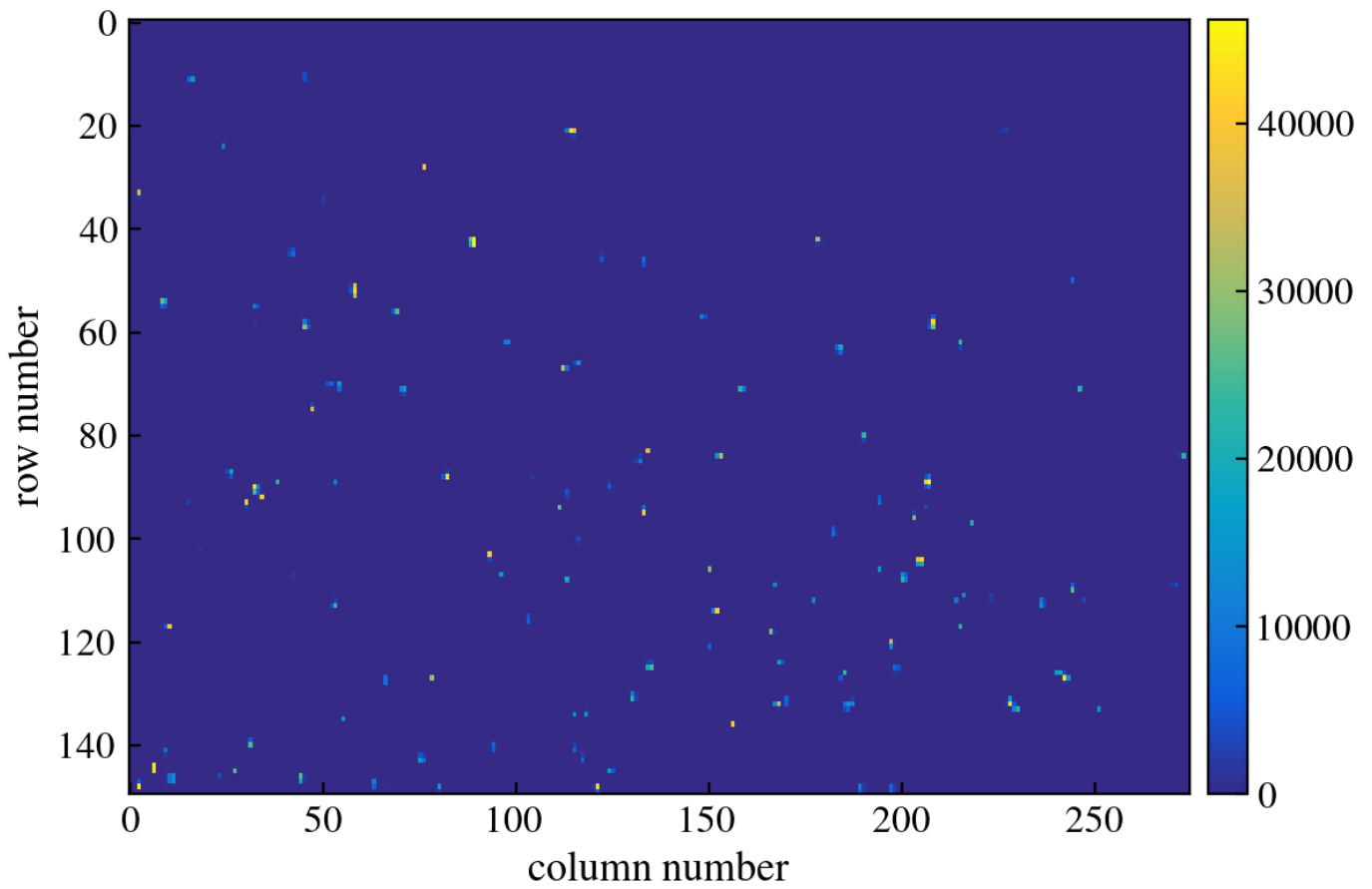


Figure 374: CCD Image

CCD Image: run 154, image 47  
[class MECCDImage]

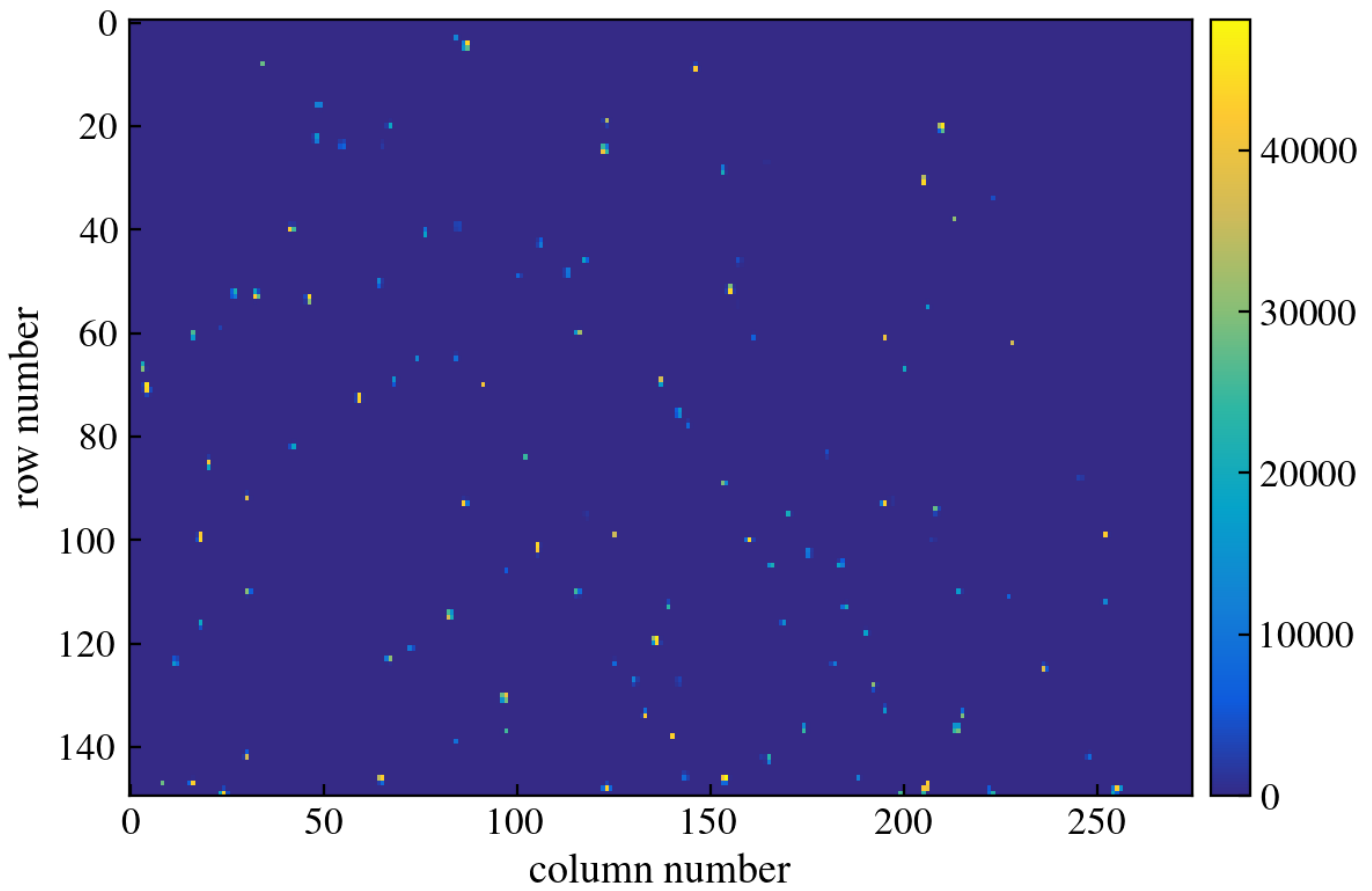


Figure 375: CCD Image

CCD Image: run 154, image 48  
[class MECCDImage]

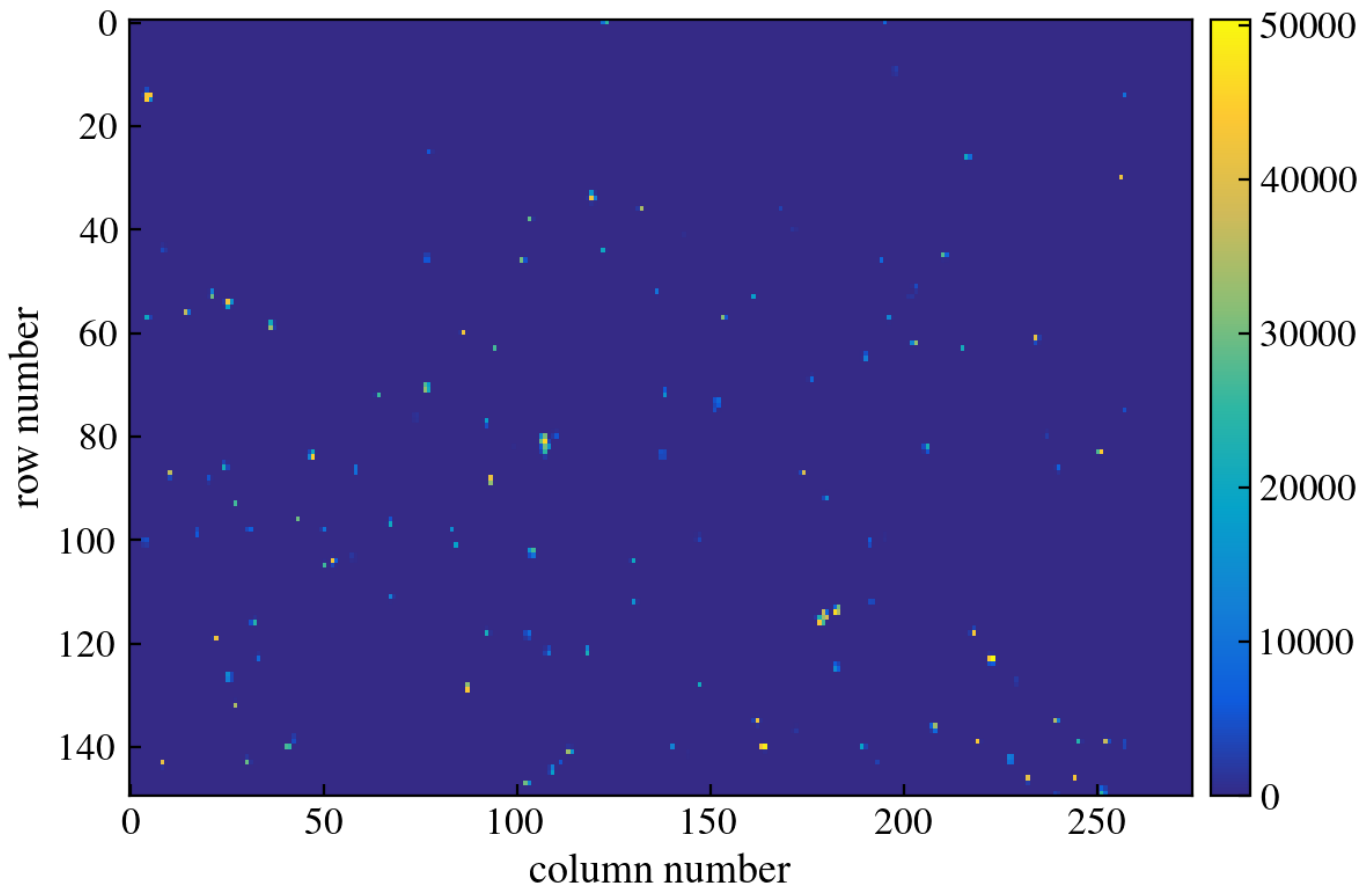


Figure 376: CCD Image

CCD Image: run 154, image 49  
[class MECCDImage]

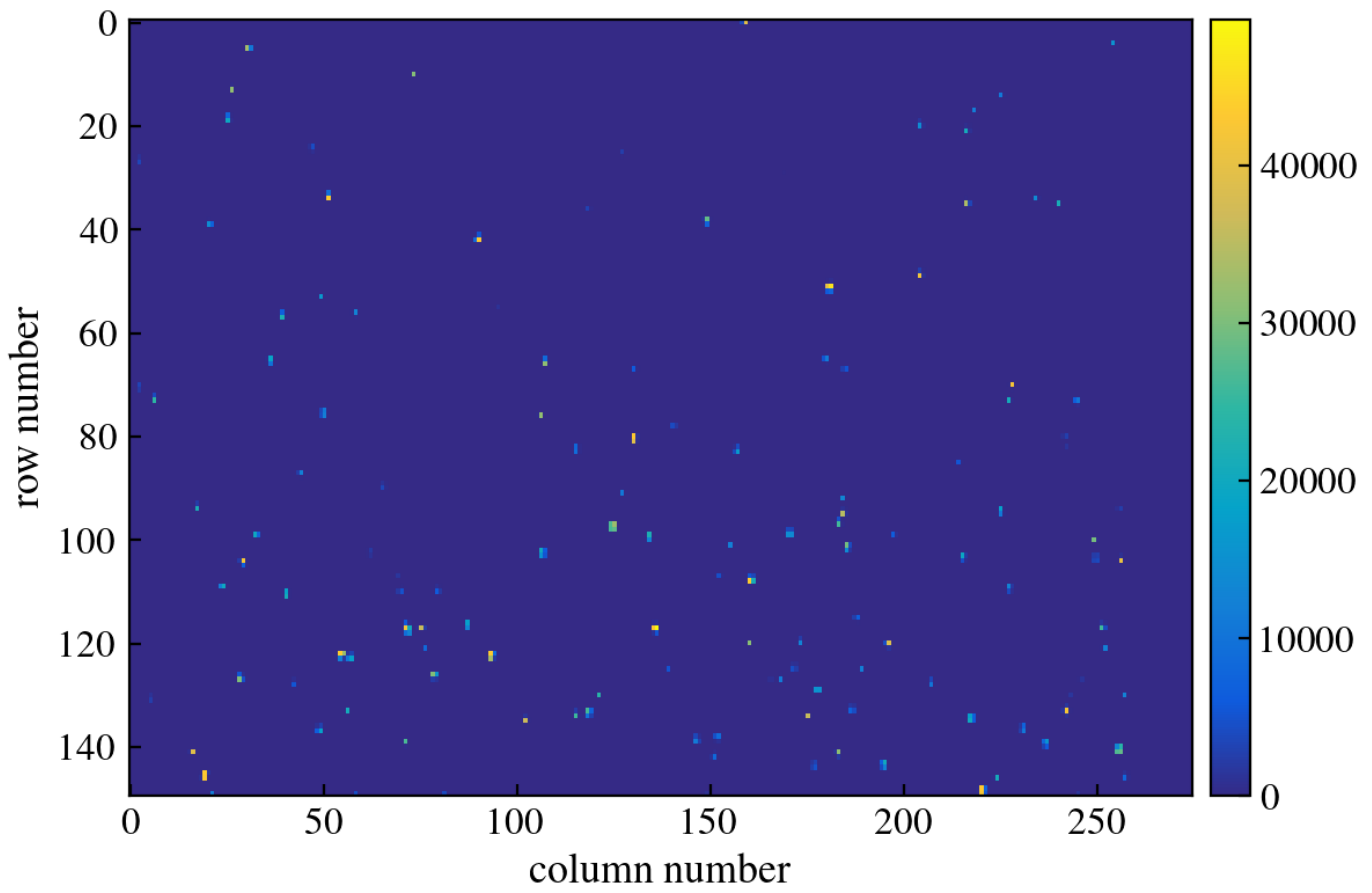


Figure 377: CCD Image

CCD Image: run 154, image 5  
[class MECCDImage]

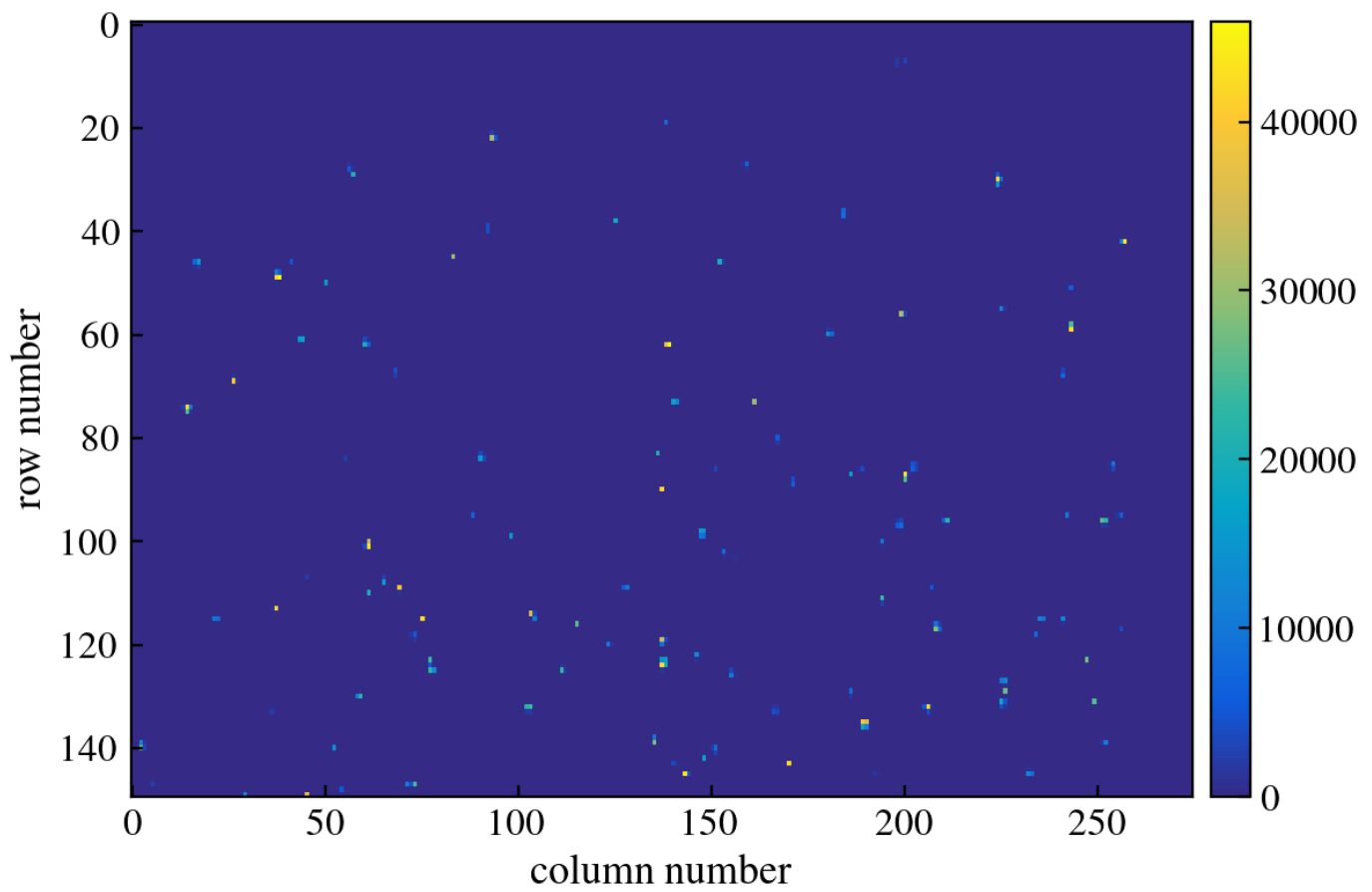


Figure 378: CCD Image

CCD Image: run 154, image 50  
[class MECCDImage]

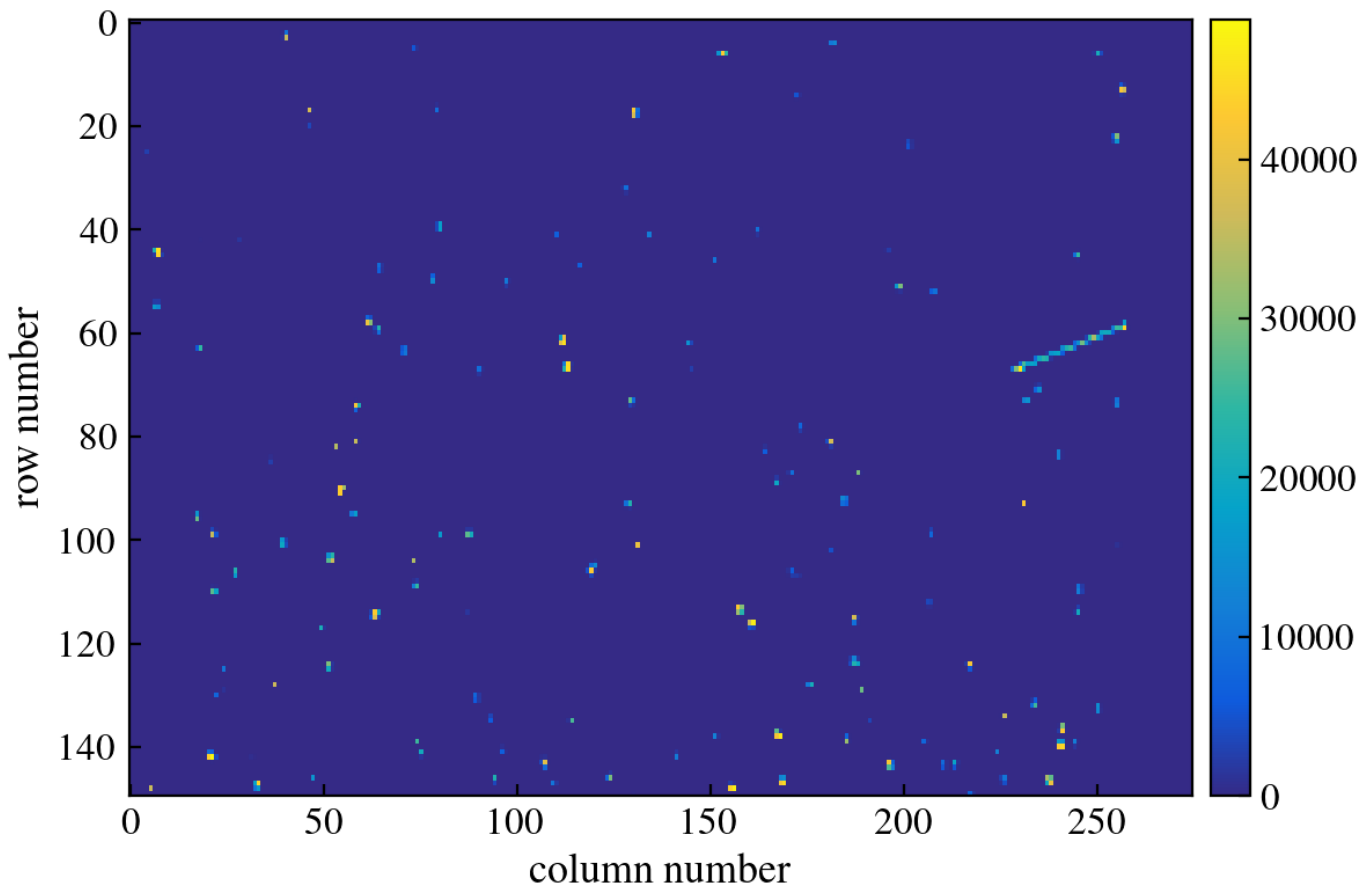


Figure 379: CCD Image



CCD Image: run 154, image 51  
[class MECCDImage]

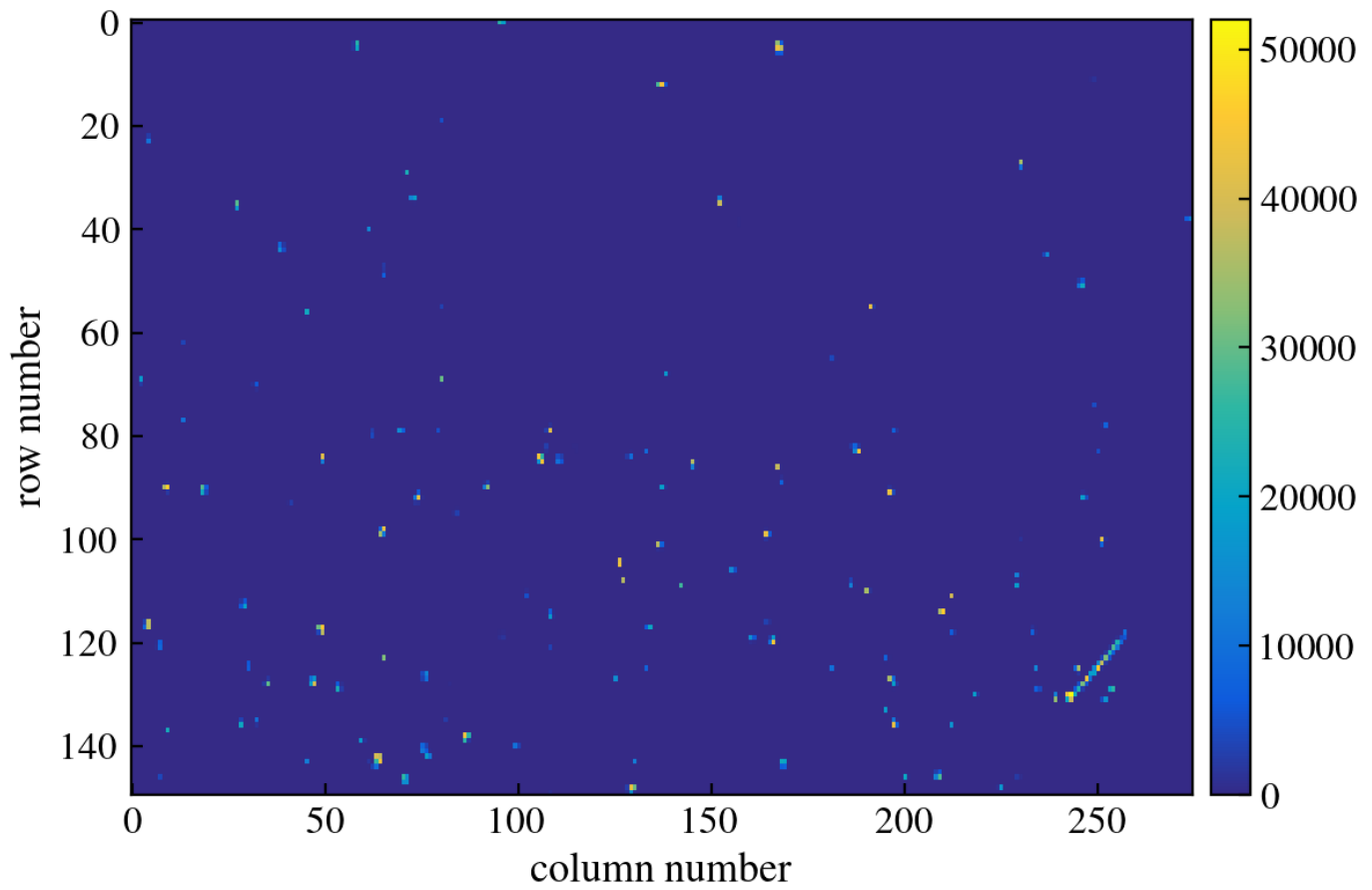


Figure 380: CCD Image

CCD Image: run 154, image 52  
[class MECCDImage]

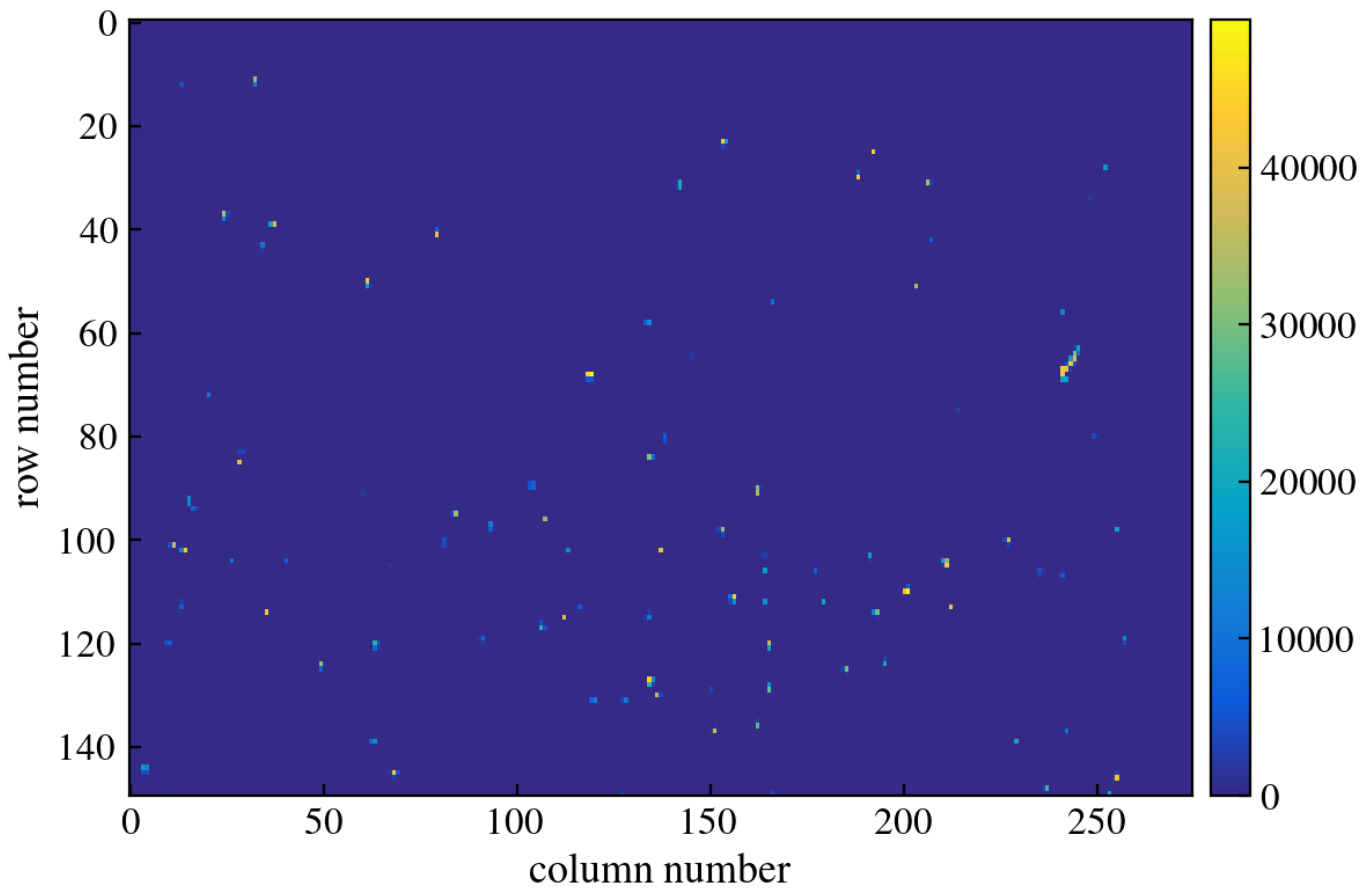


Figure 381: CCD Image

CCD Image: run 154, image 53  
[class MECCDImage]

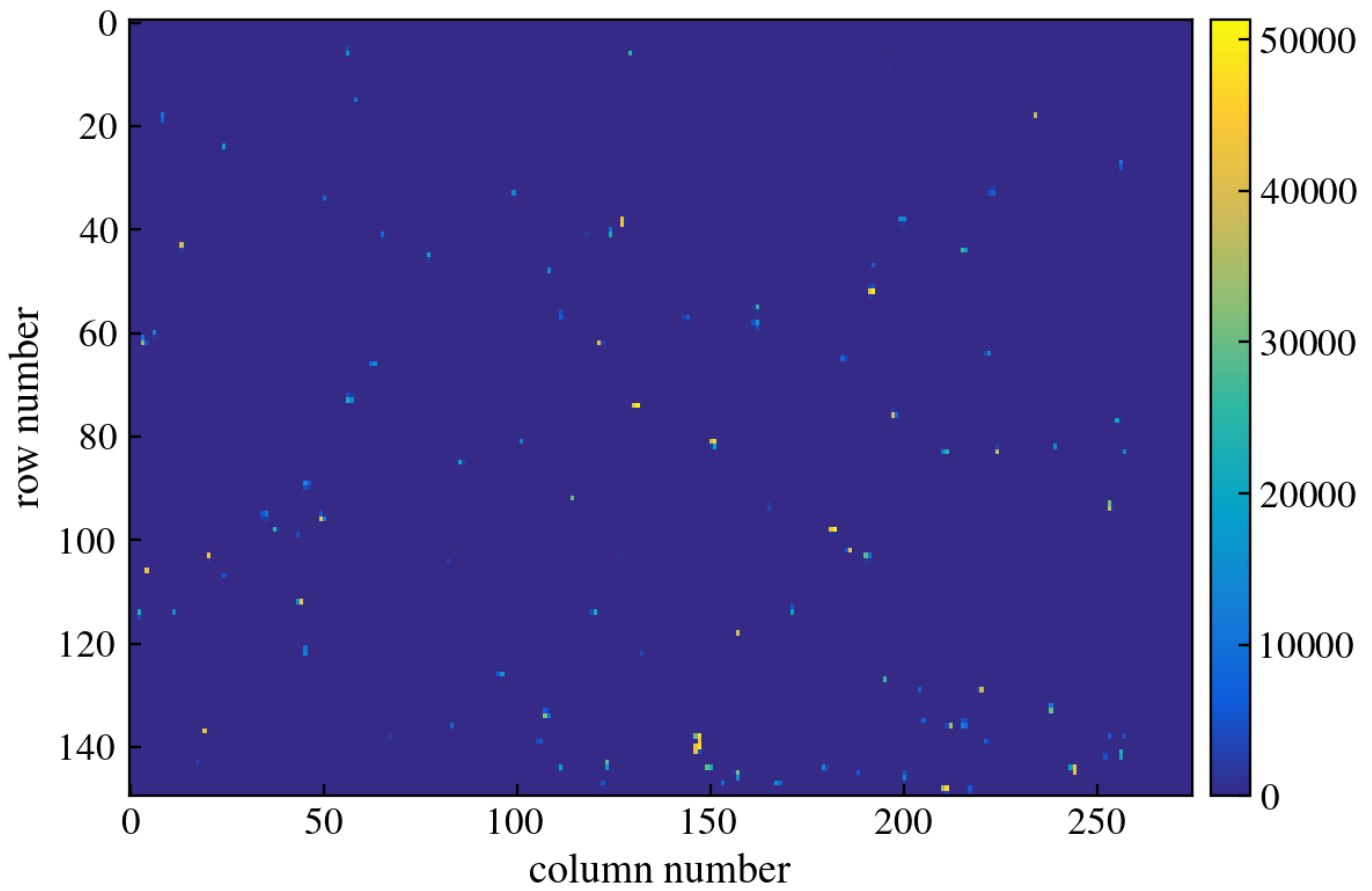


Figure 382: CCD Image

CCD Image: run 154, image 54  
[class MECCDImage]

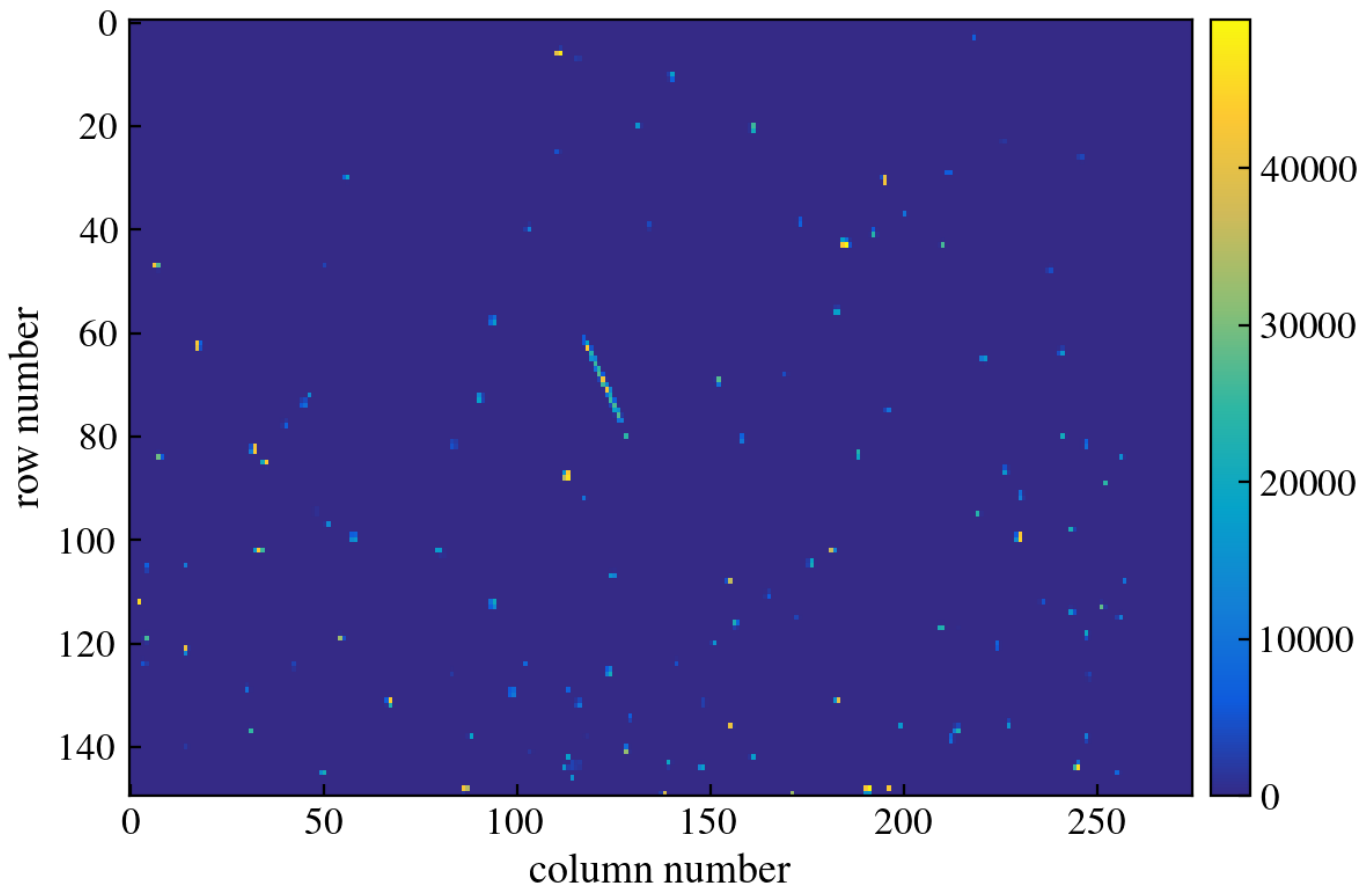


Figure 383: CCD Image

CCD Image: run 154, image 55  
[class MECCDImage]

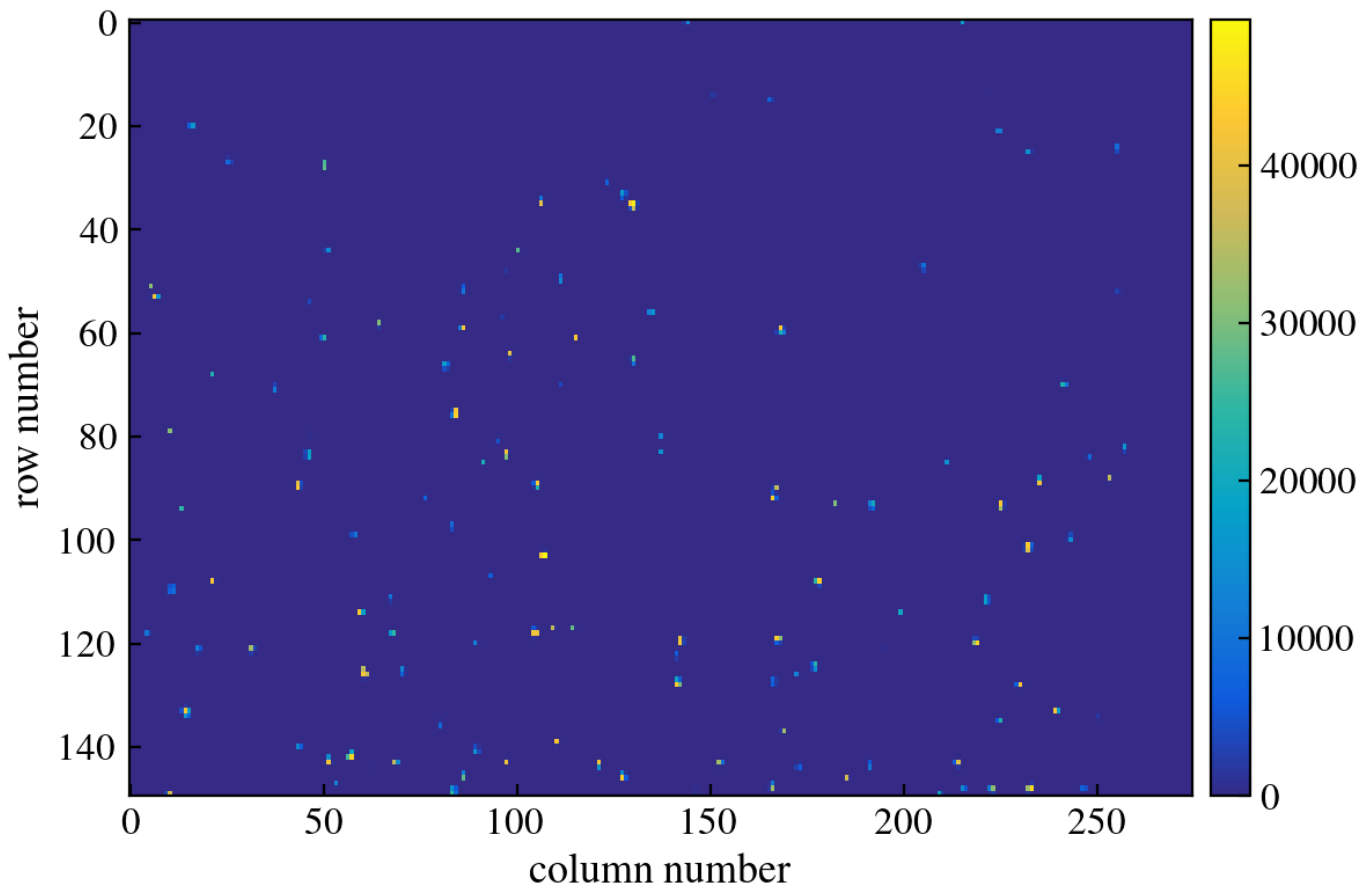


Figure 384: CCD Image

CCD Image: run 154, image 56  
[class MECCDImage]

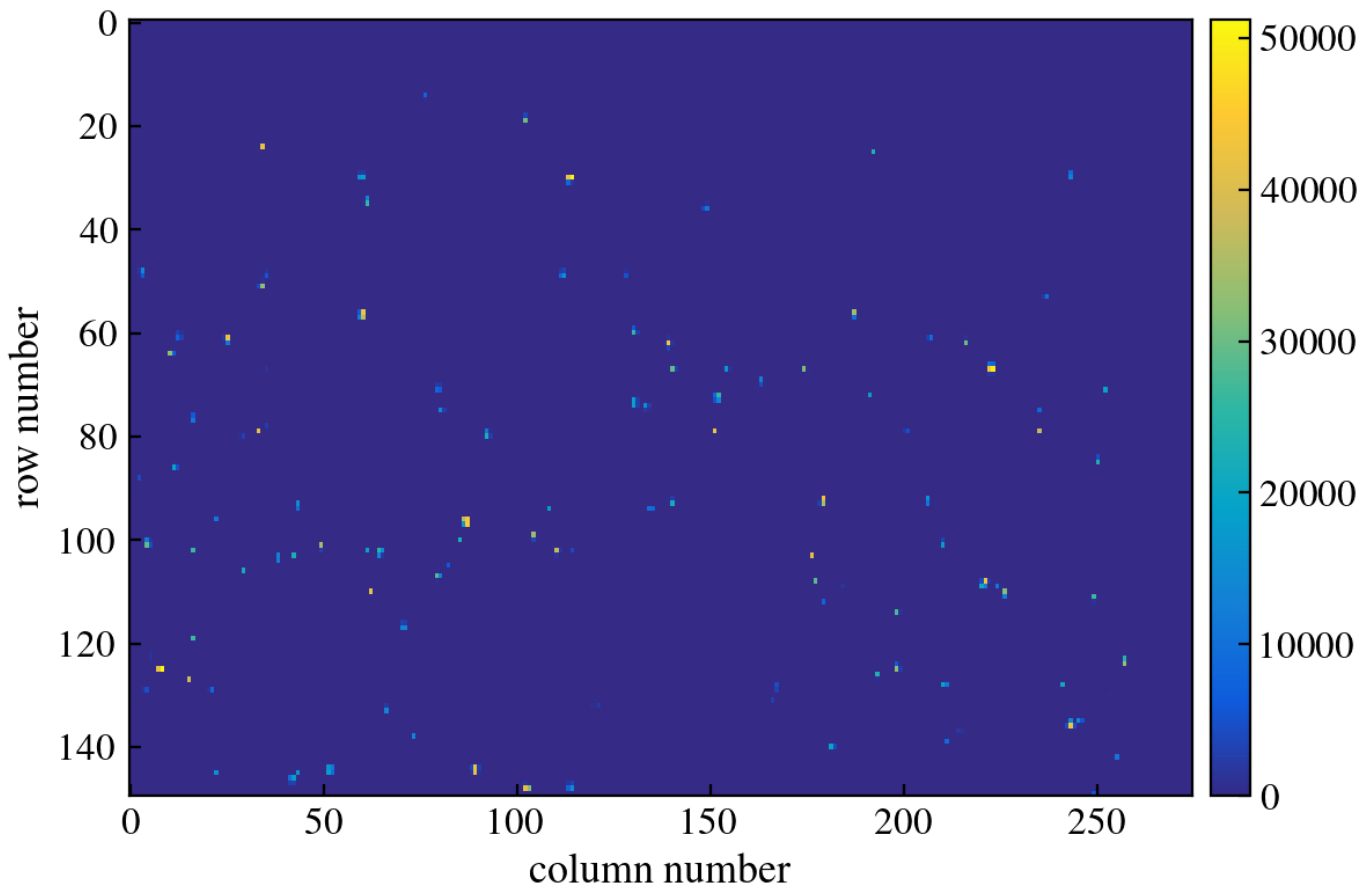


Figure 385: CCD Image

CCD Image: run 154, image 57  
[class MECCDImage]

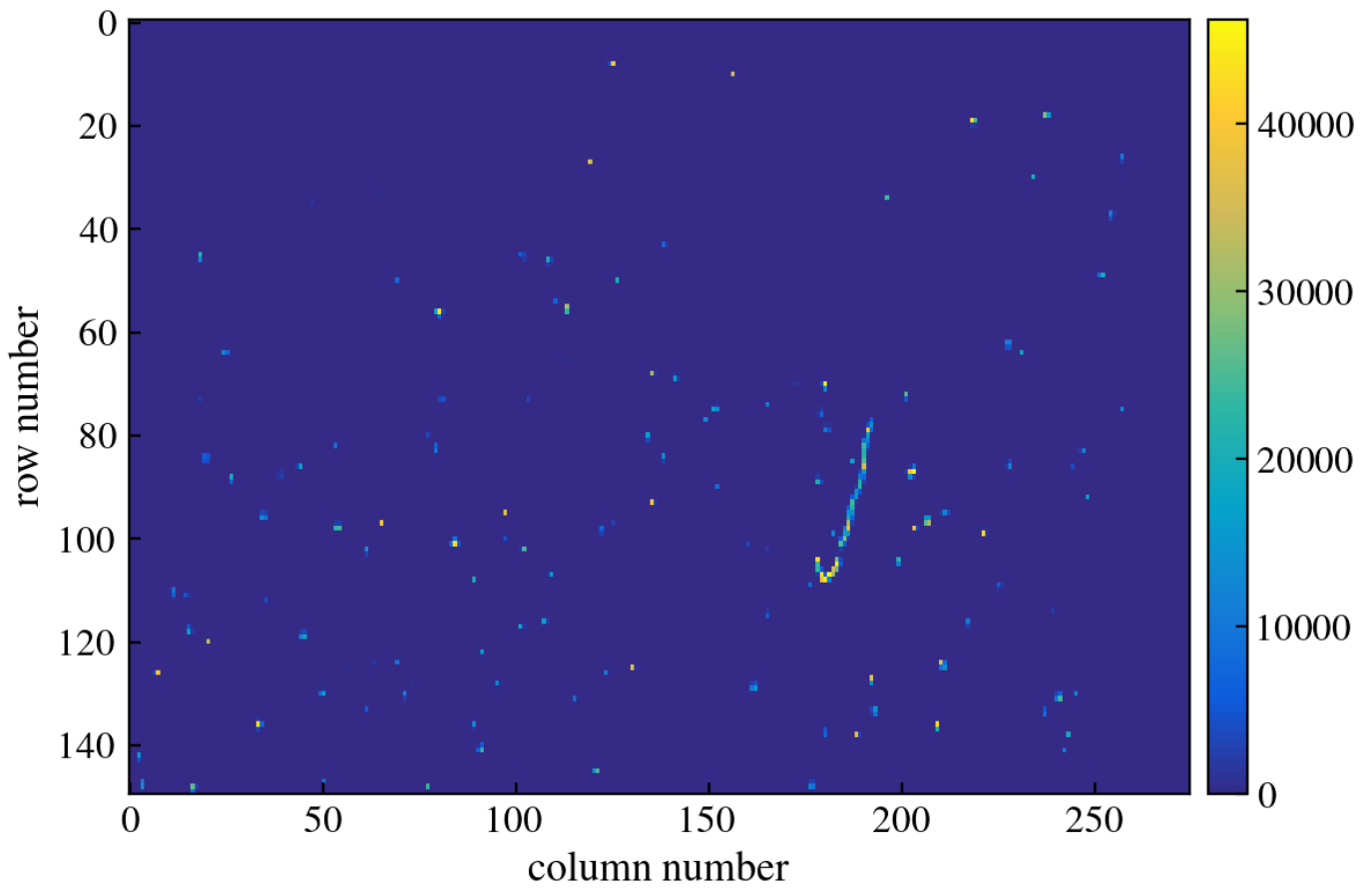


Figure 386: CCD Image

CCD Image: run 154, image 58  
[class MECCDImage]

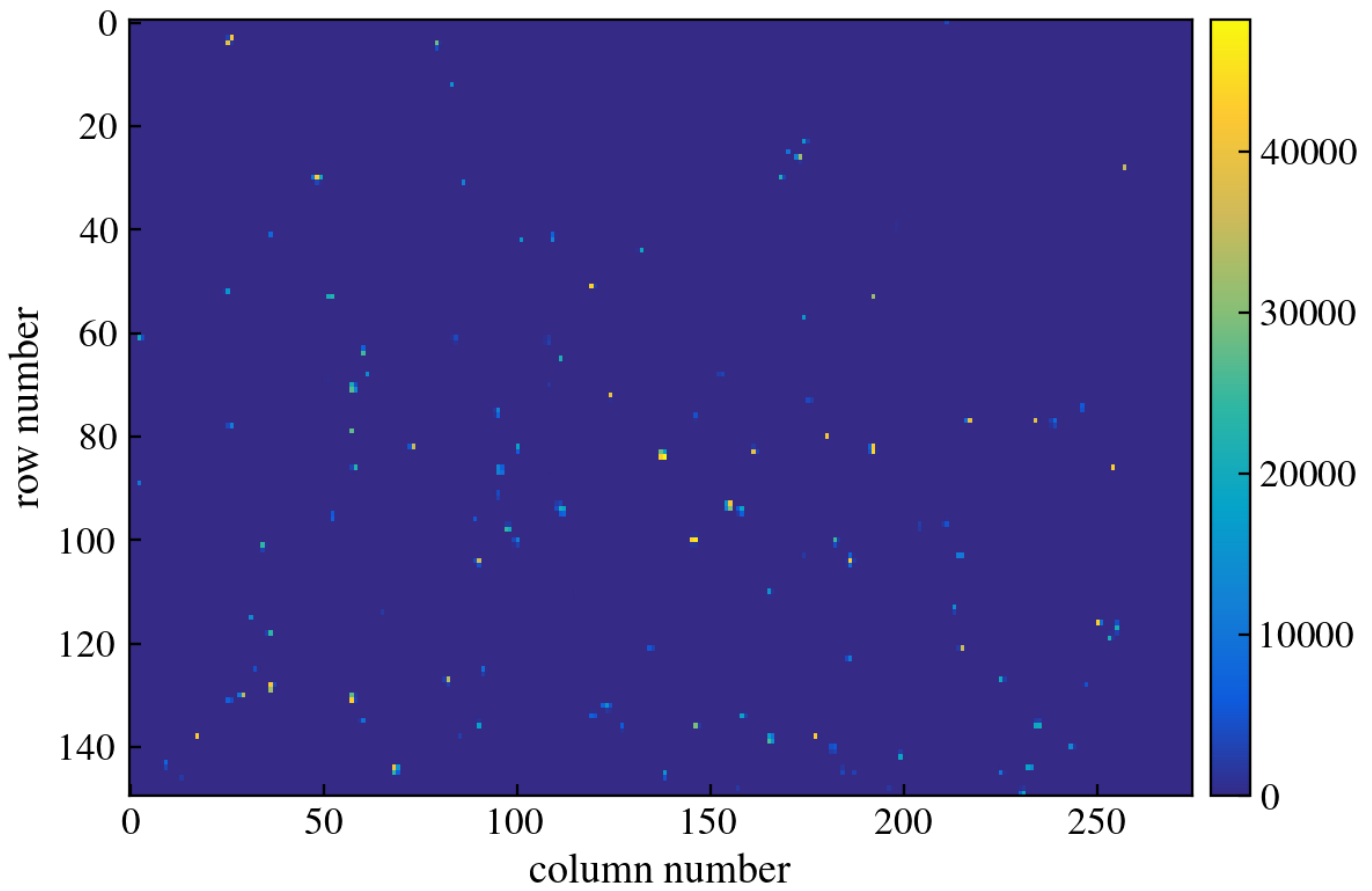


Figure 387: CCD Image



CCD Image: run 154, image 59  
[class MECCDImage]

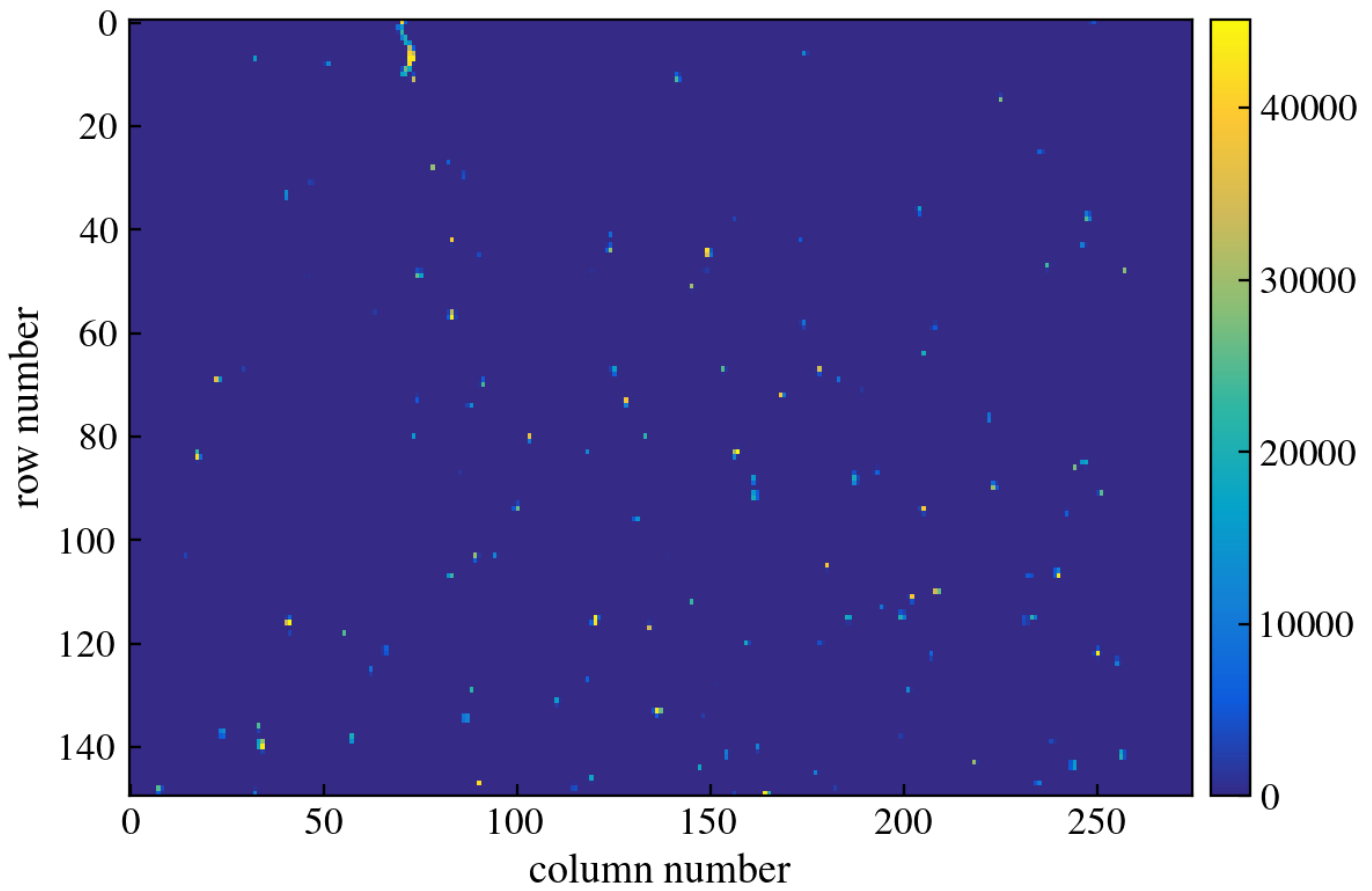


Figure 388: CCD Image

CCD Image: run 154, image 6  
[class MECCDImage]

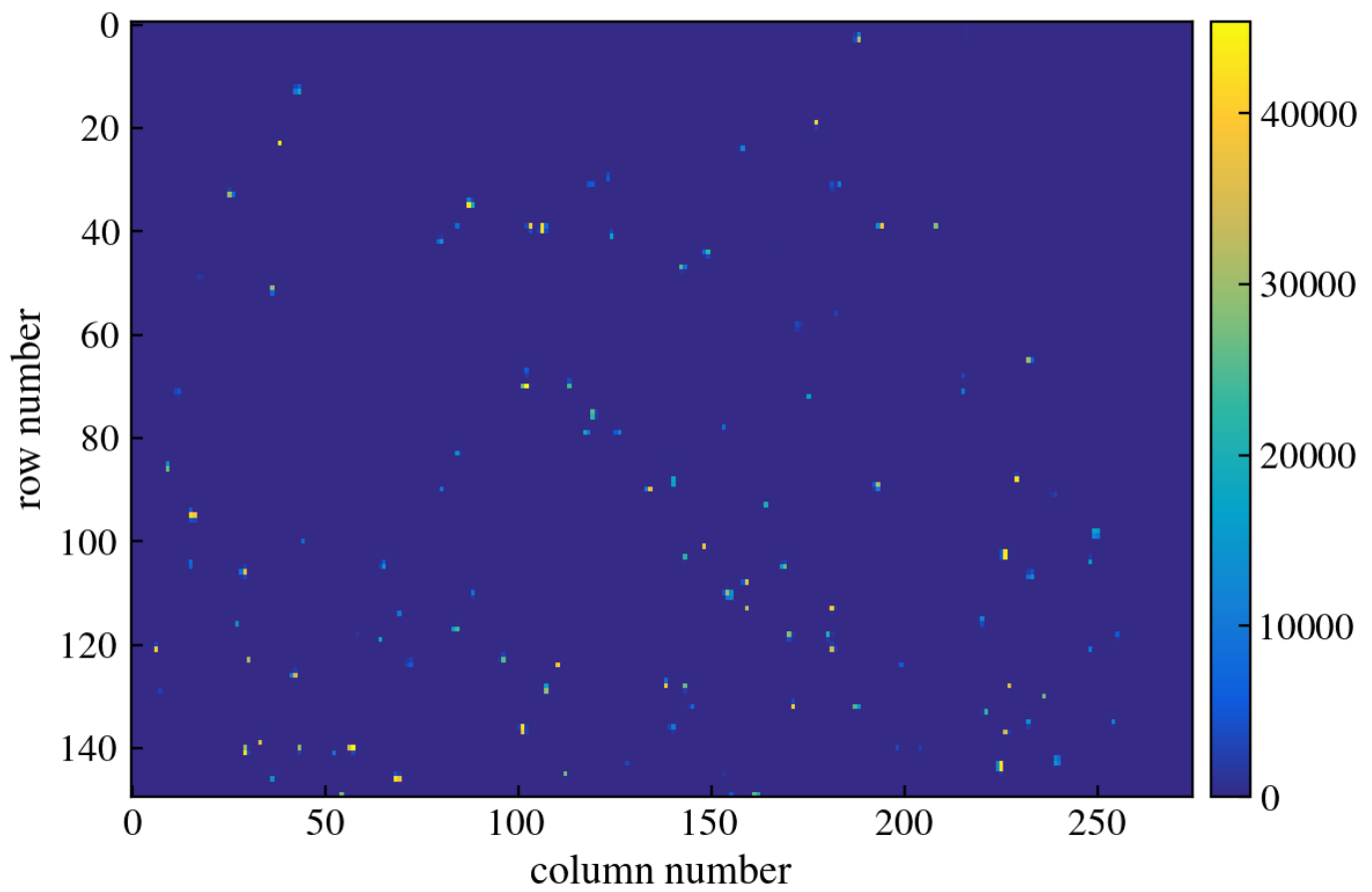


Figure 389: CCD Image

CCD Image: run 154, image 60  
[class MECCDImage]

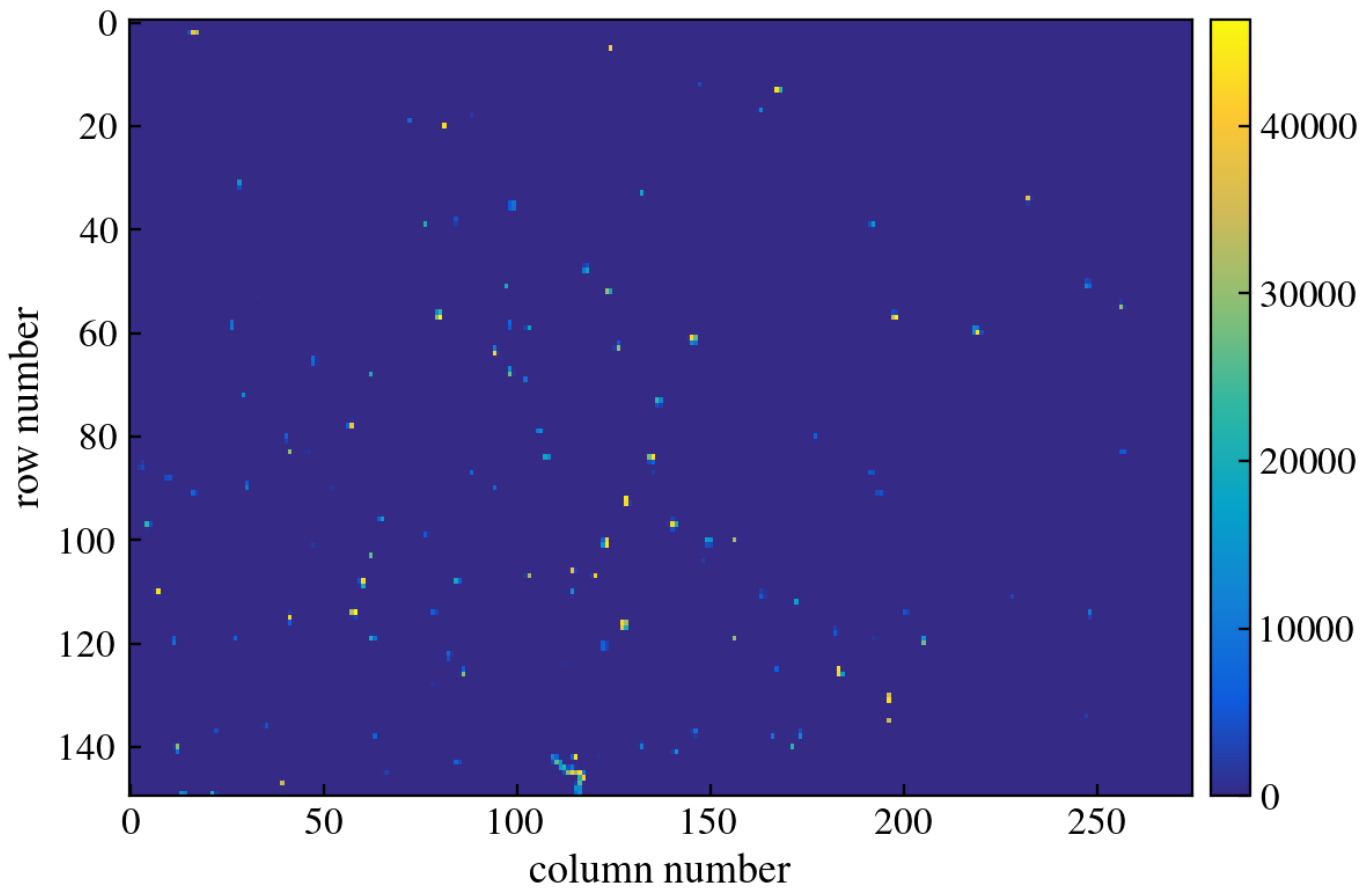


Figure 390: CCD Image

CCD Image: run 154, image 61  
[class MECCDImage]

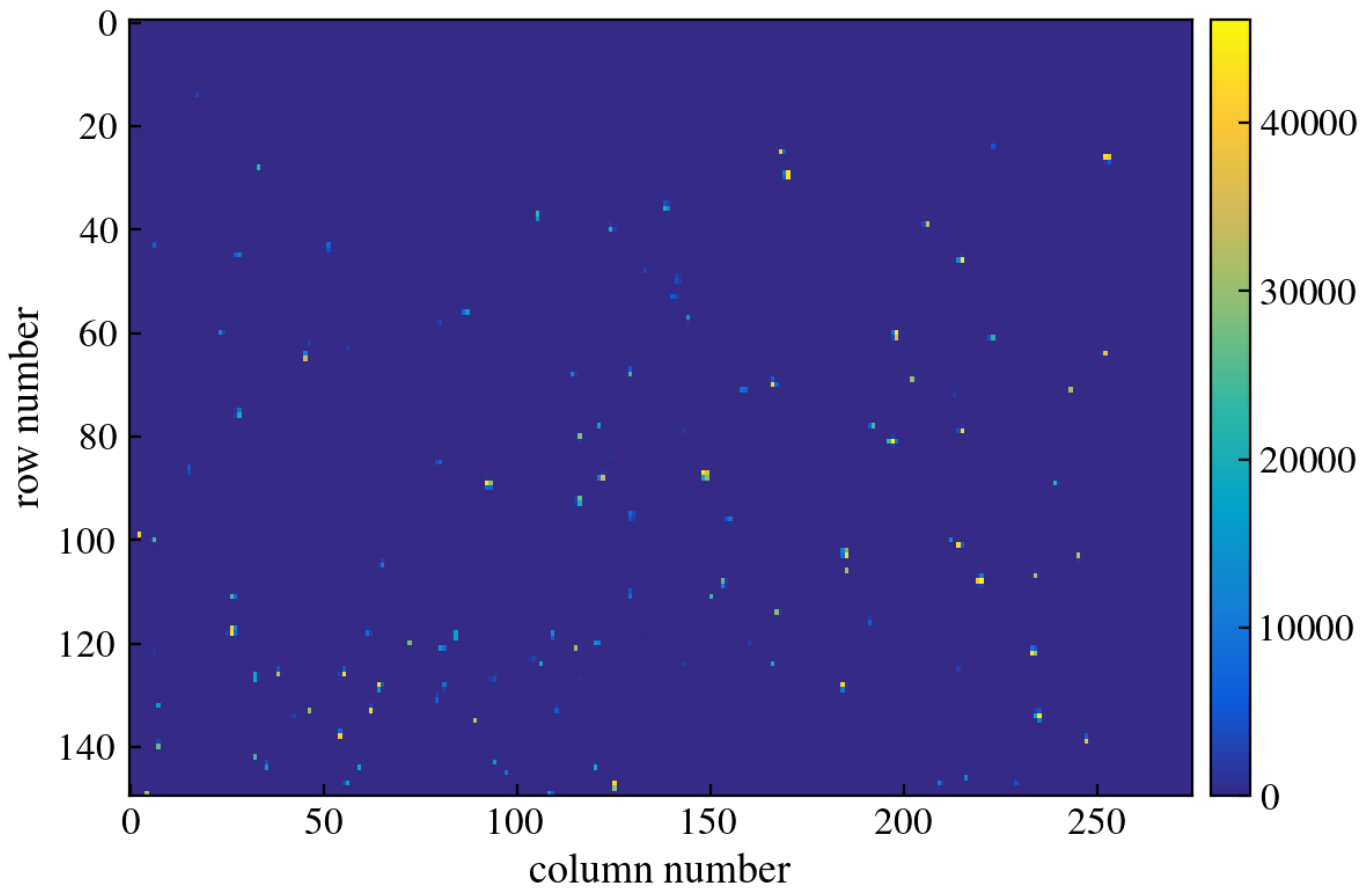


Figure 391: CCD Image

CCD Image: run 154, image 62  
[class MECCDImage]

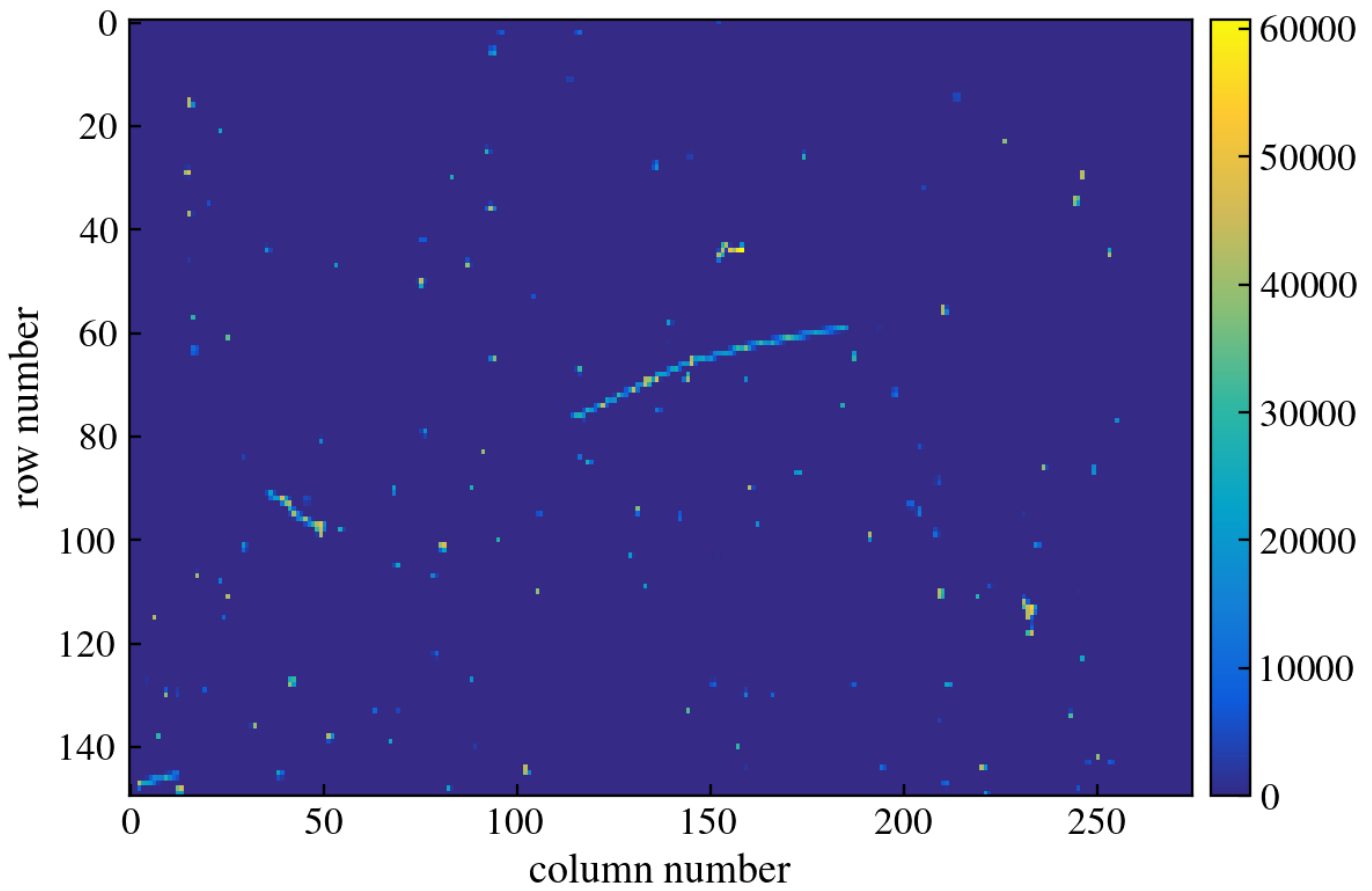


Figure 392: CCD Image

CCD Image: run 154, image 63  
[class MECCDImage]

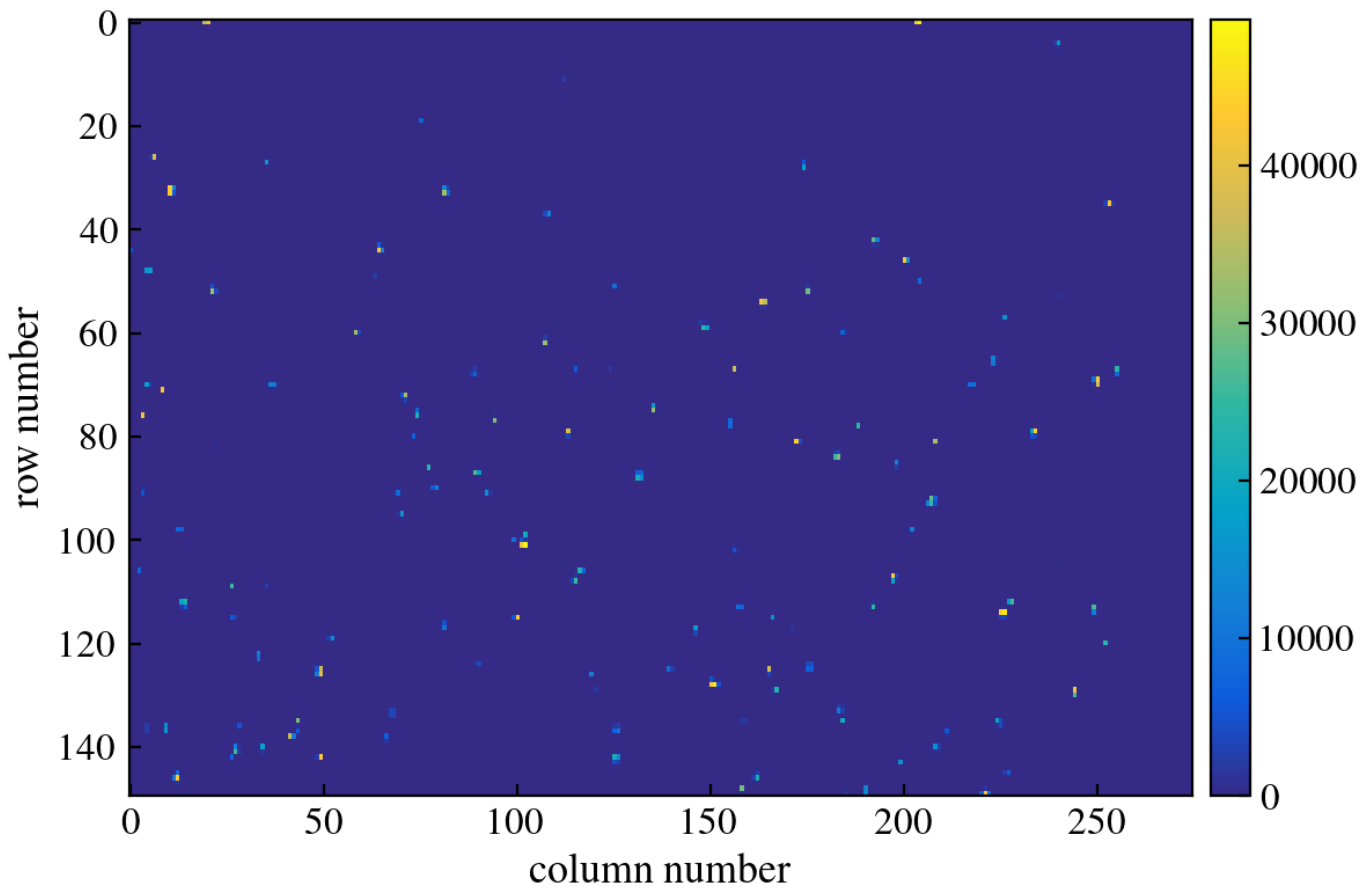


Figure 393: CCD Image

CCD Image: run 154, image 64  
[class MECCDImage]

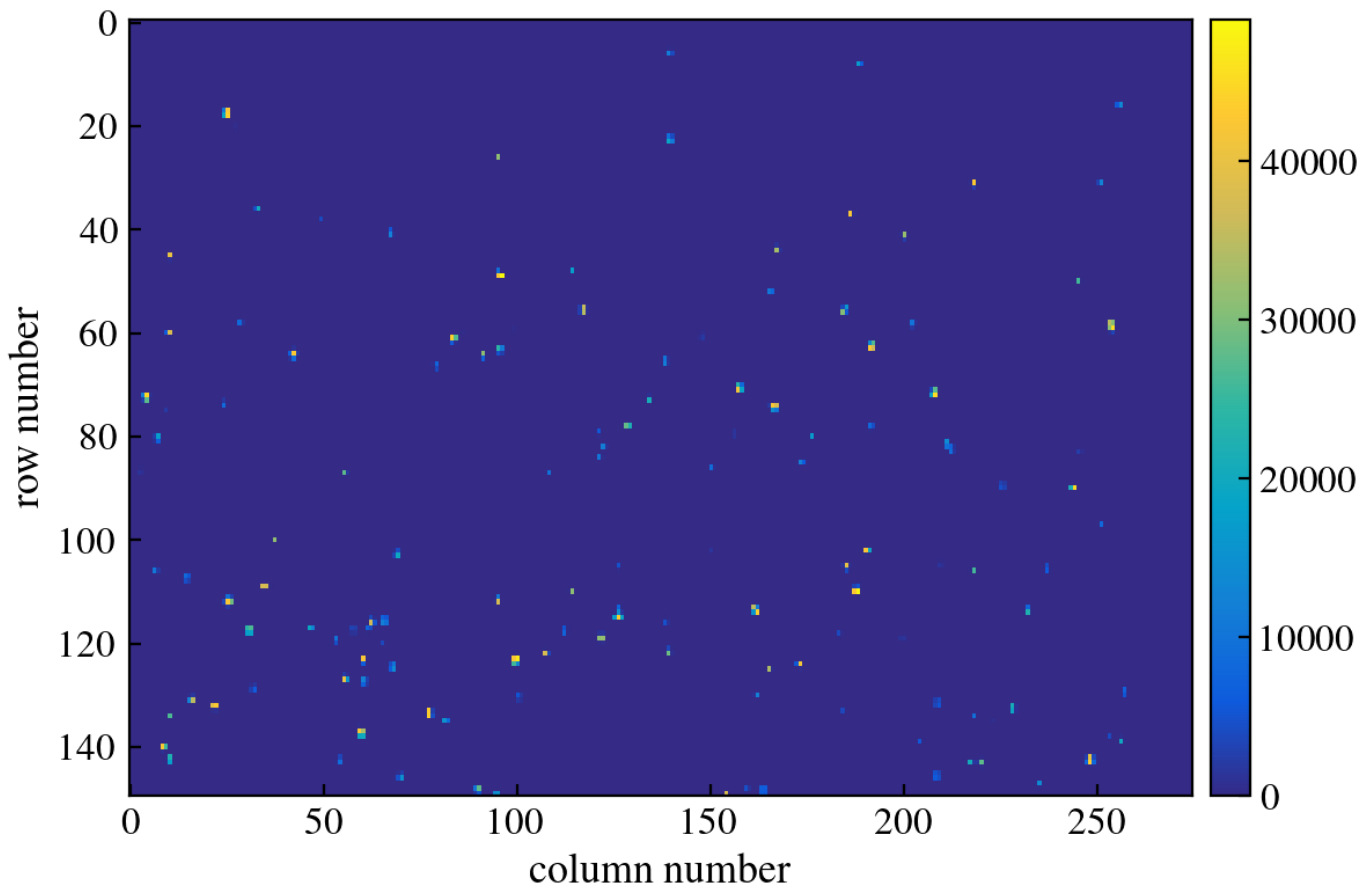


Figure 394: CCD Image

CCD Image: run 154, image 65  
[class MECCDImage]

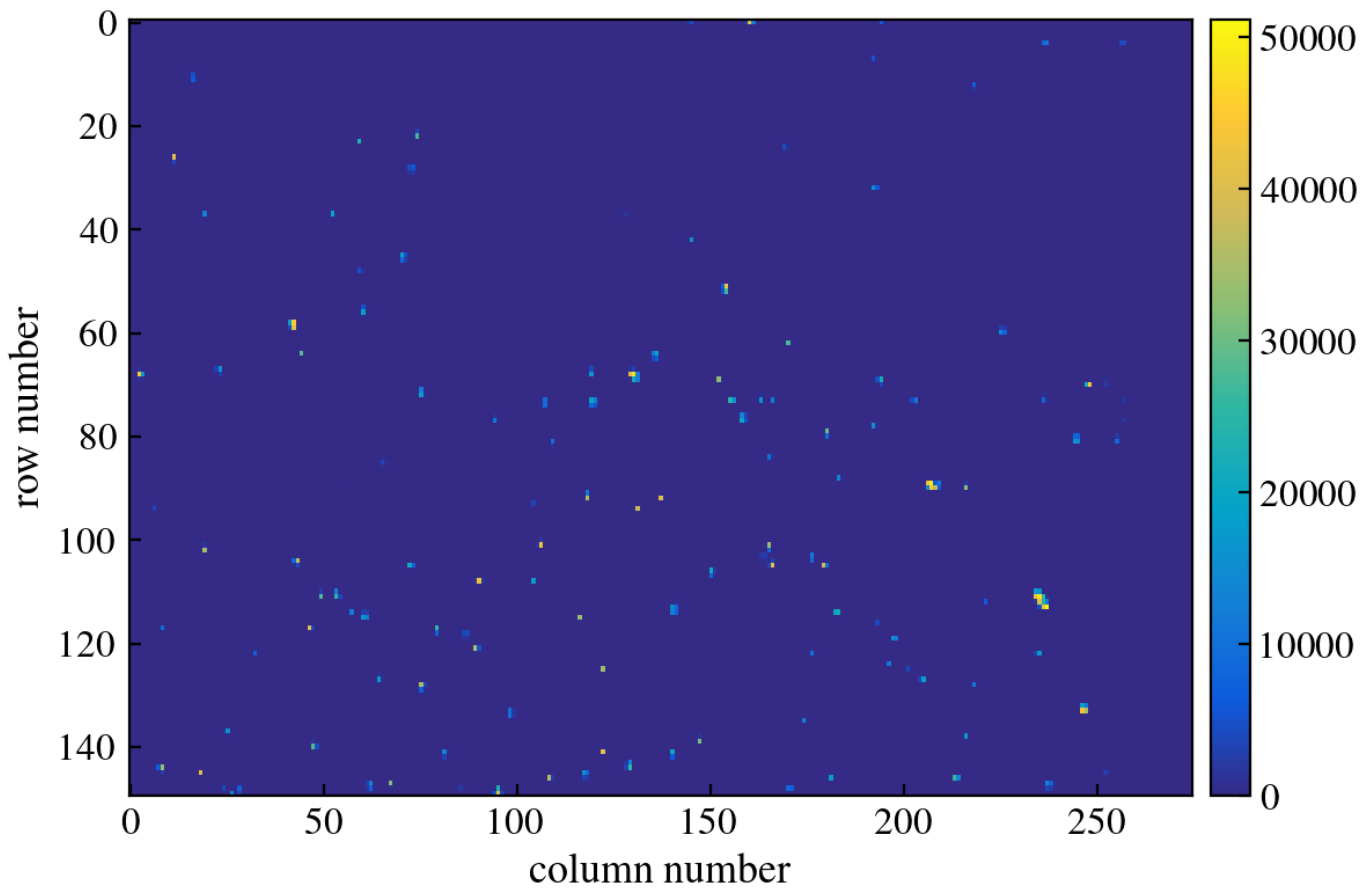


Figure 395: CCD Image



CCD Image: run 154, image 66  
[class MECCDImage]

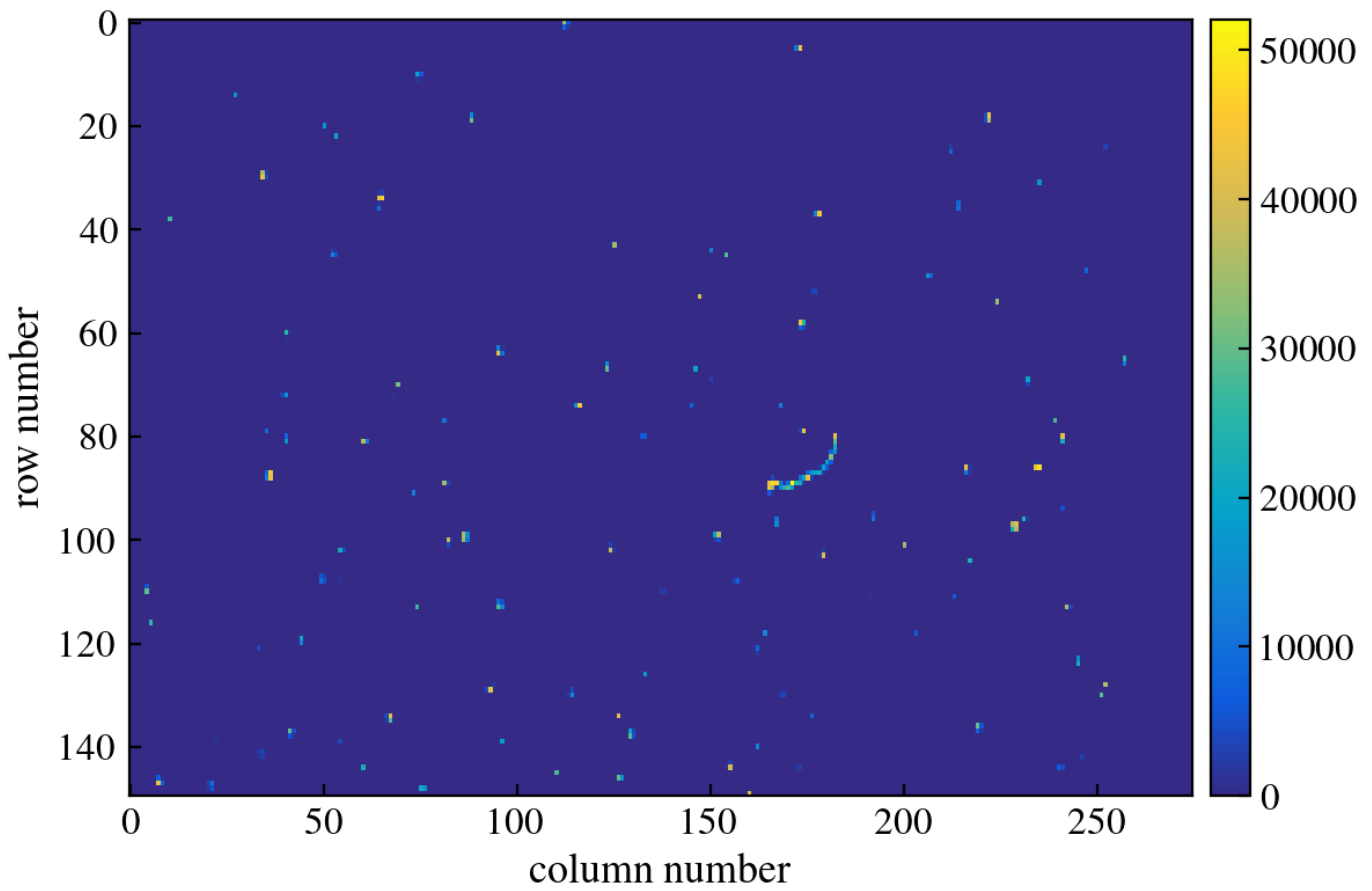


Figure 396: CCD Image

CCD Image: run 154, image 67  
[class MECCDImage]

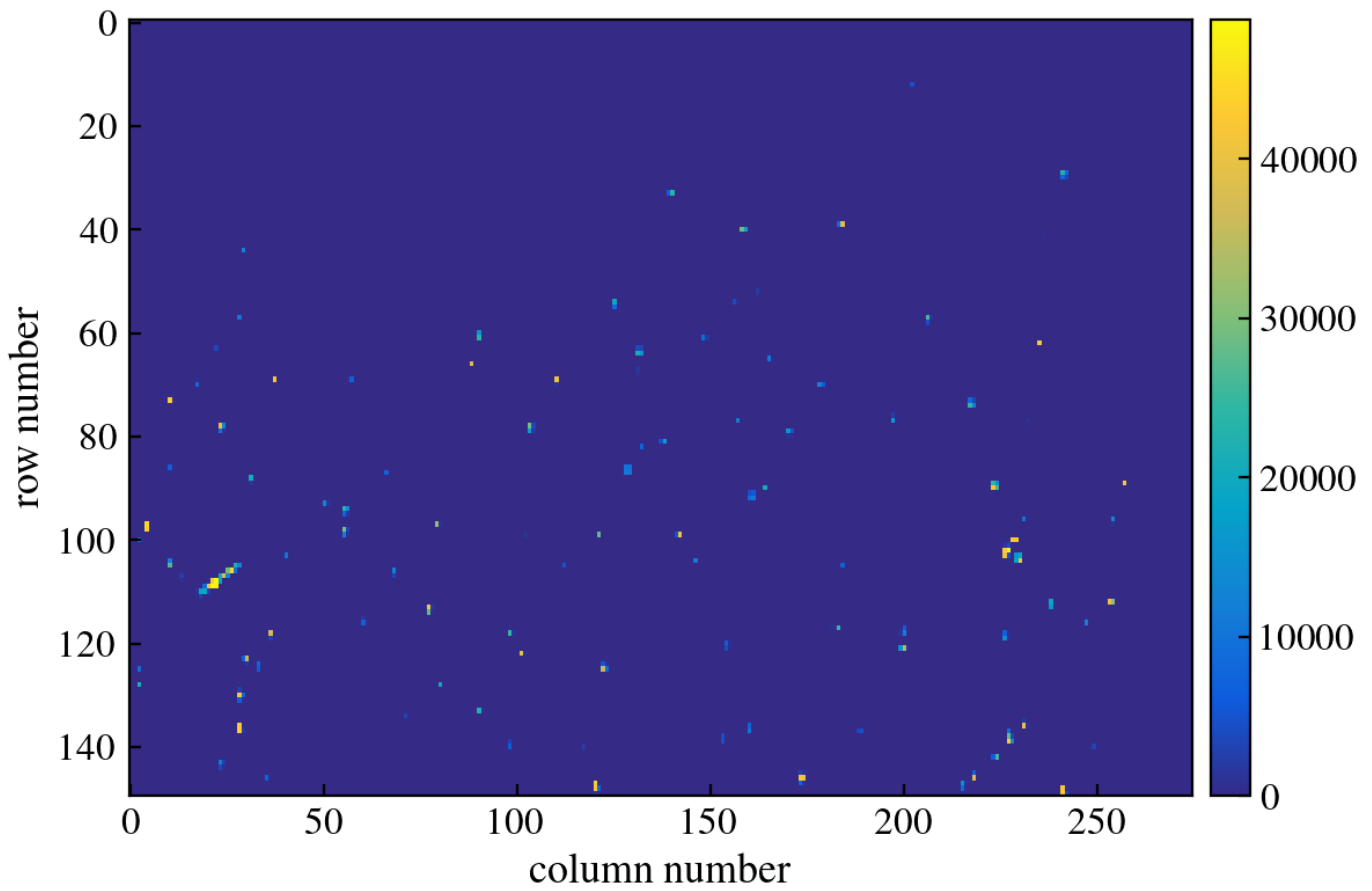


Figure 397: CCD Image

CCD Image: run 154, image 68  
[class MECCDImage]

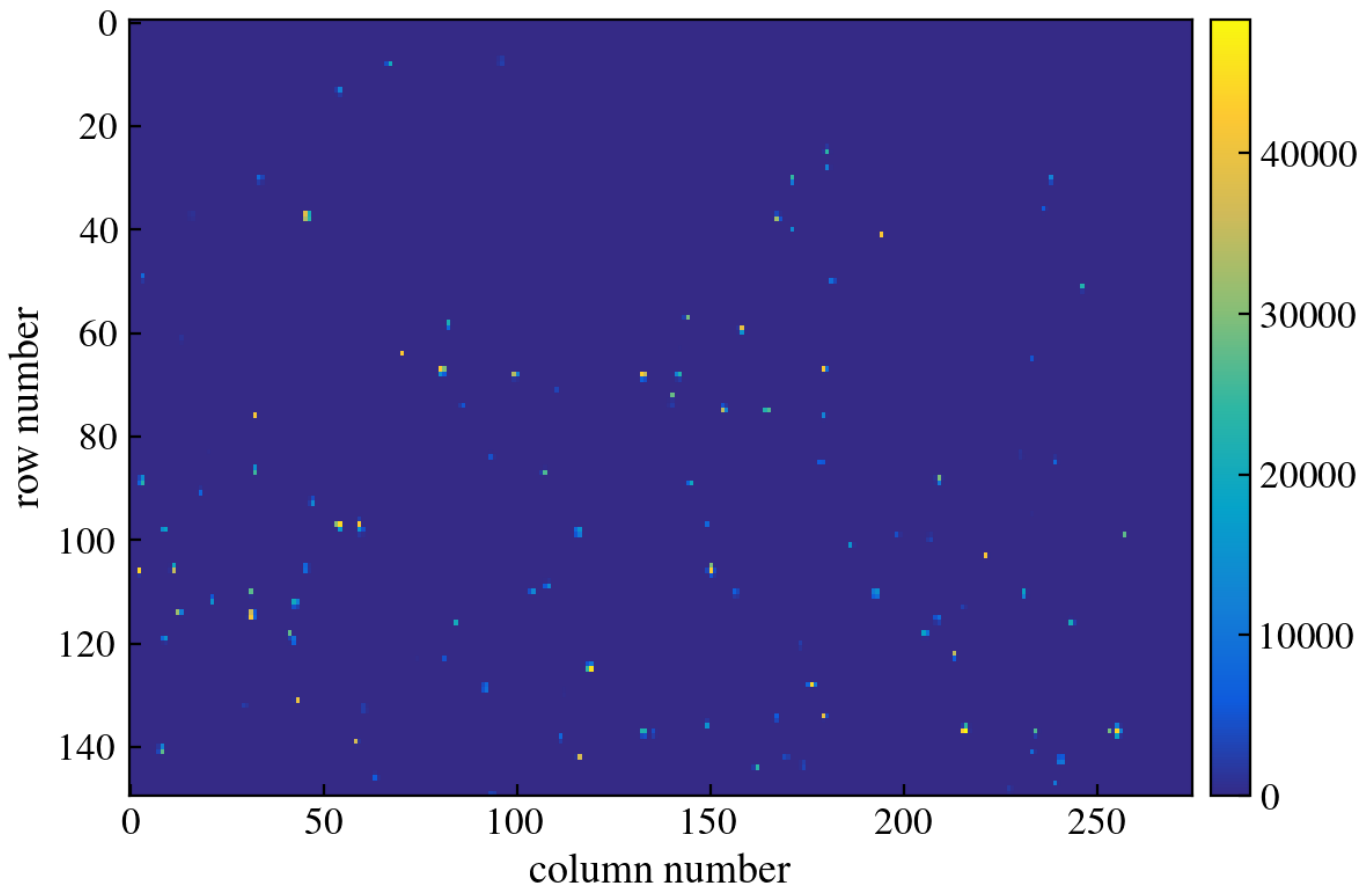


Figure 398: CCD Image

CCD Image: run 154, image 69  
[class MECCDImage]

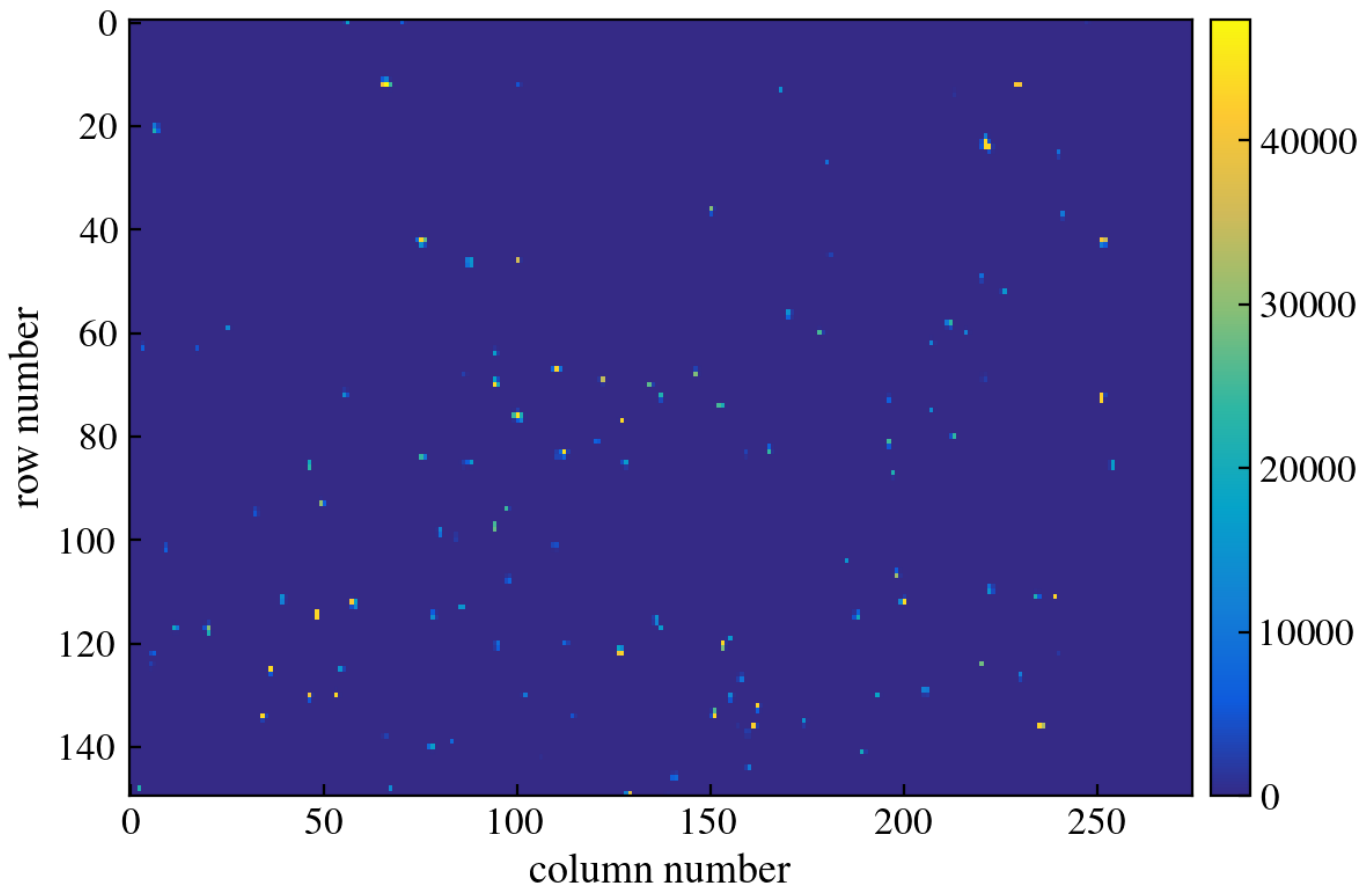


Figure 399: CCD Image

CCD Image: run 154, image 7  
[class MECCDImage]

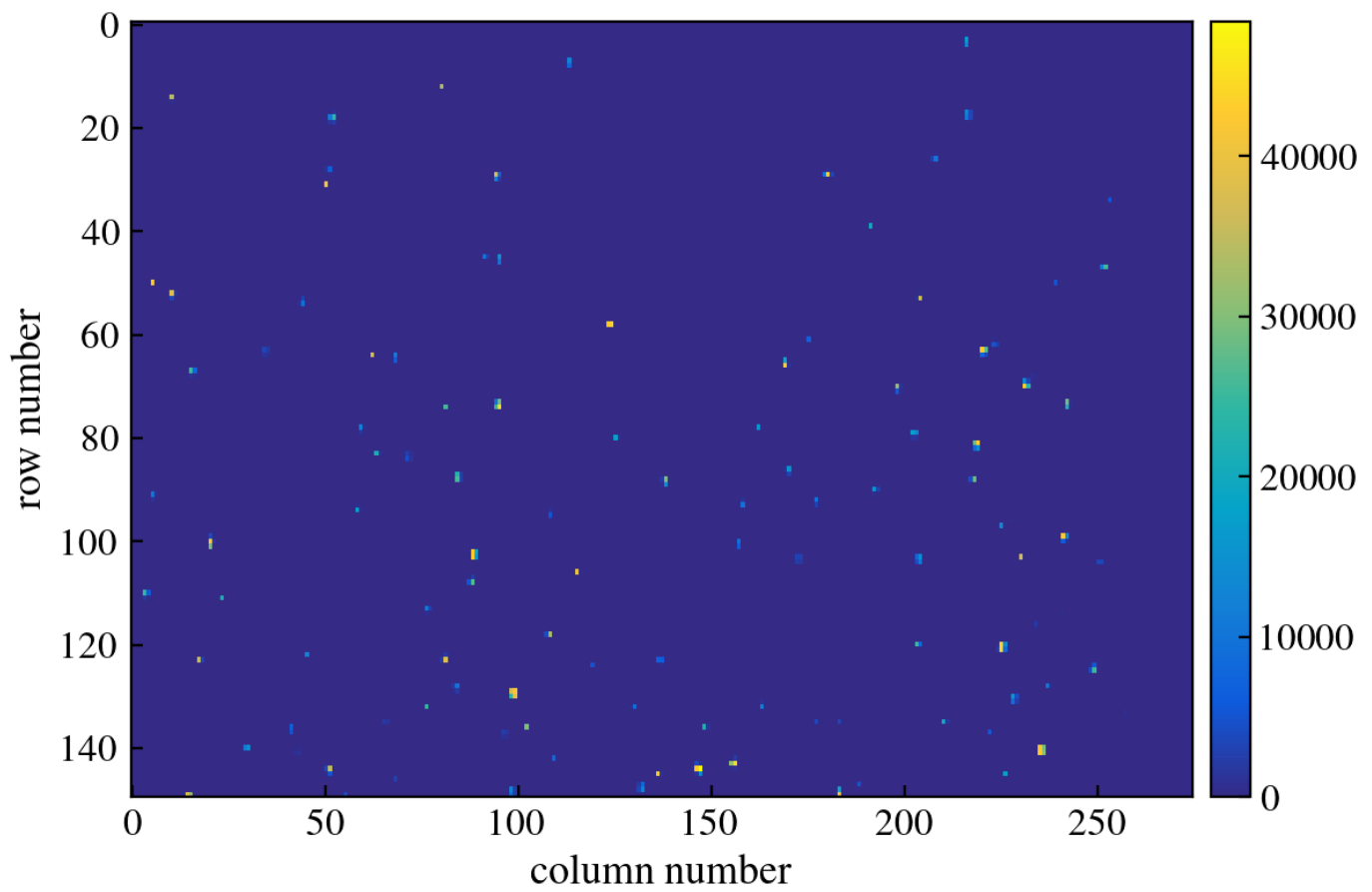


Figure 400: CCD Image

CCD Image: run 154, image 70  
[class MECCDImage]

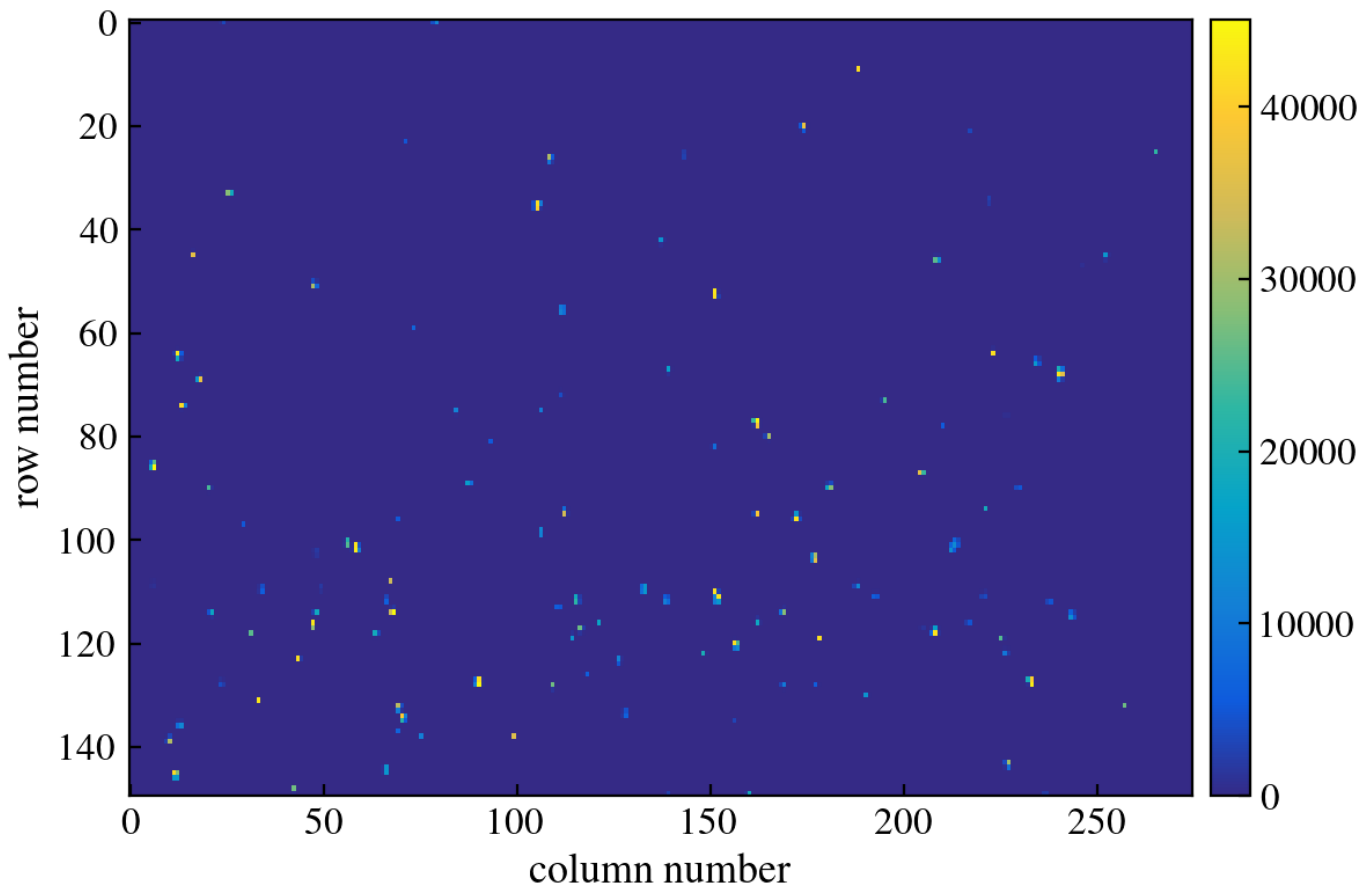


Figure 401: CCD Image

CCD Image: run 154, image 71  
[class MECCDImage]

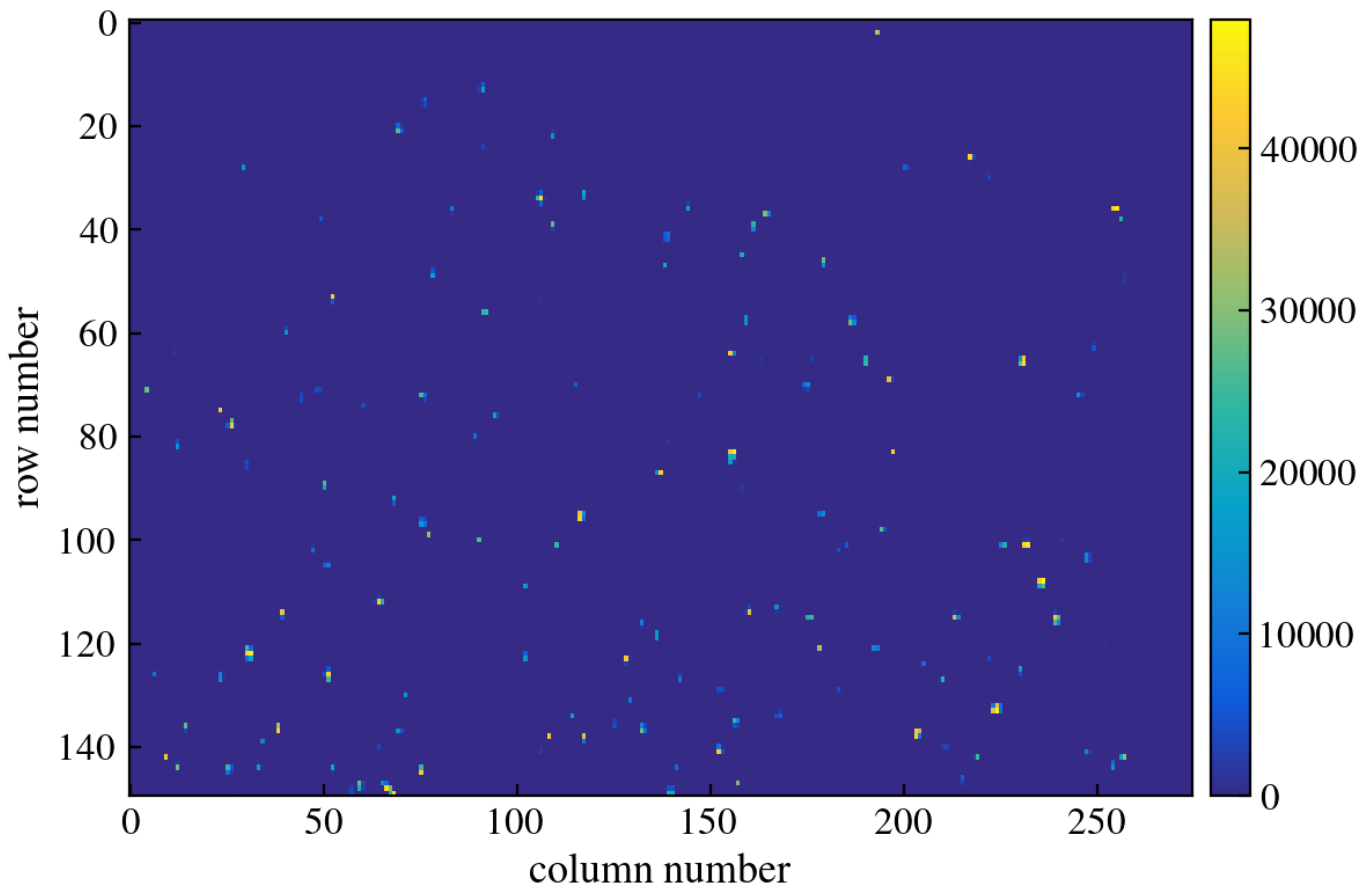


Figure 402: CCD Image

CCD Image: run 154, image 72  
[class MECCDImage]

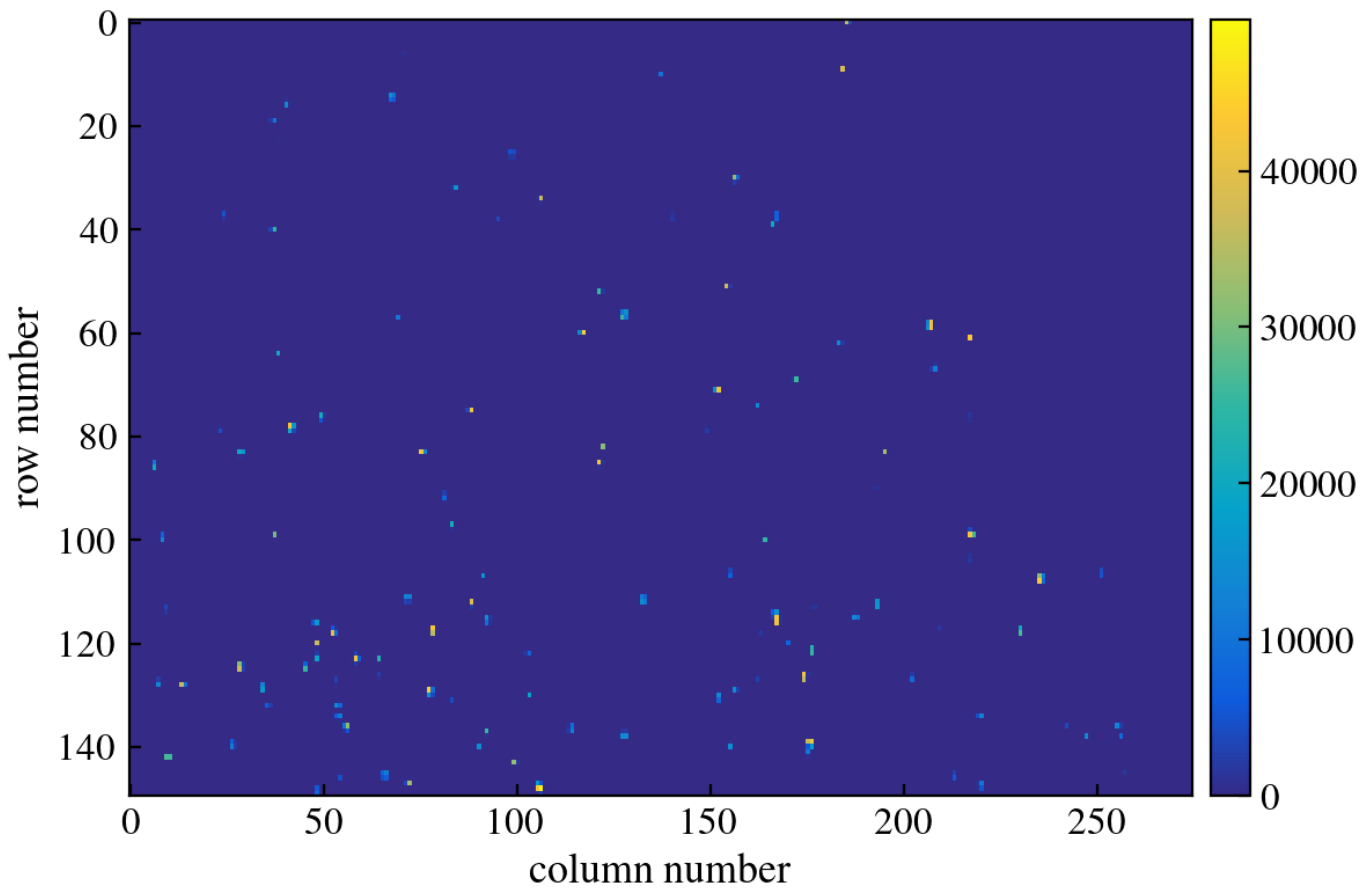


Figure 403: CCD Image



CCD Image: run 154, image 73  
[class MECCDImage]

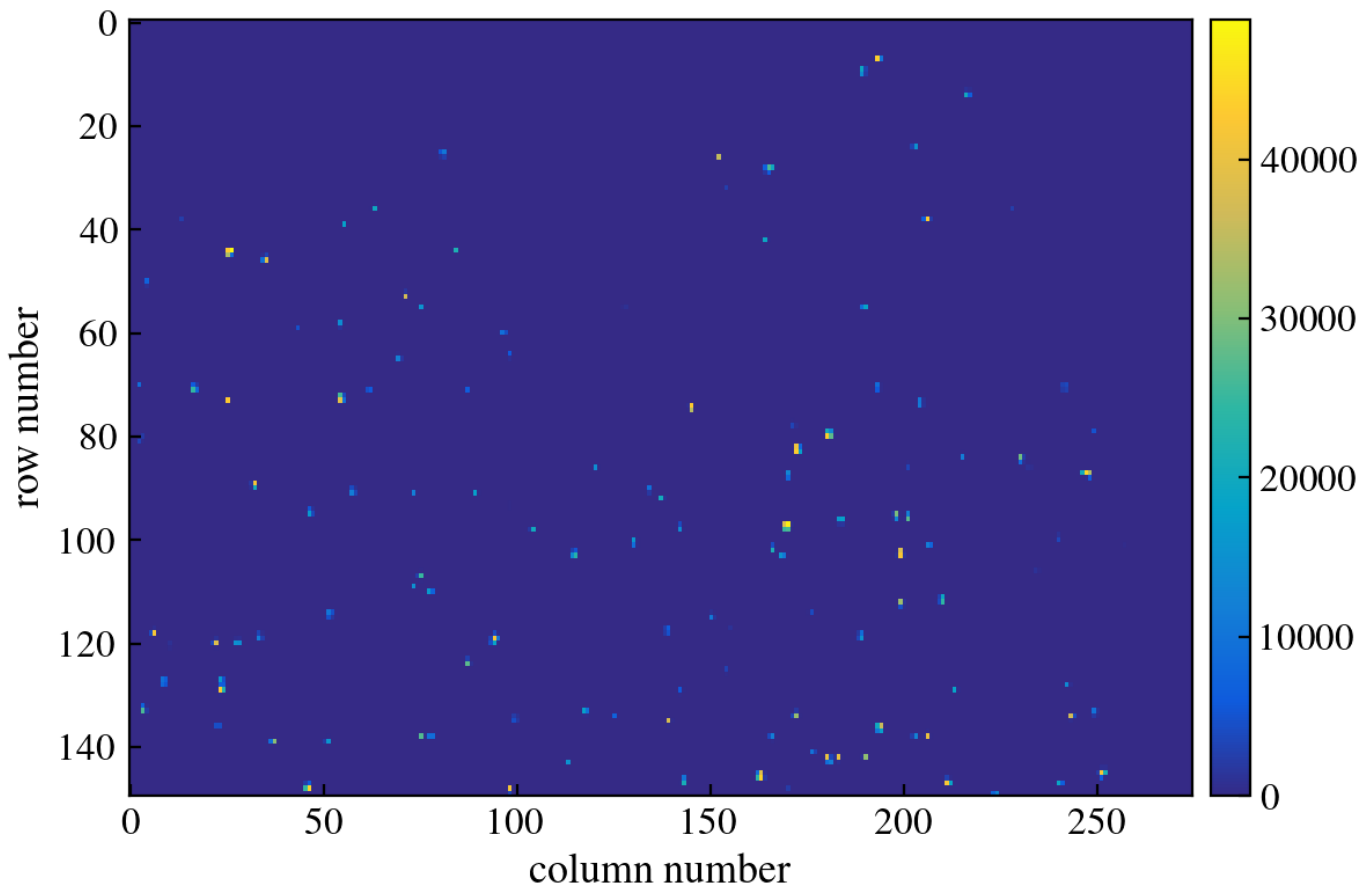


Figure 404: CCD Image

CCD Image: run 154, image 74  
[class MECCDImage]

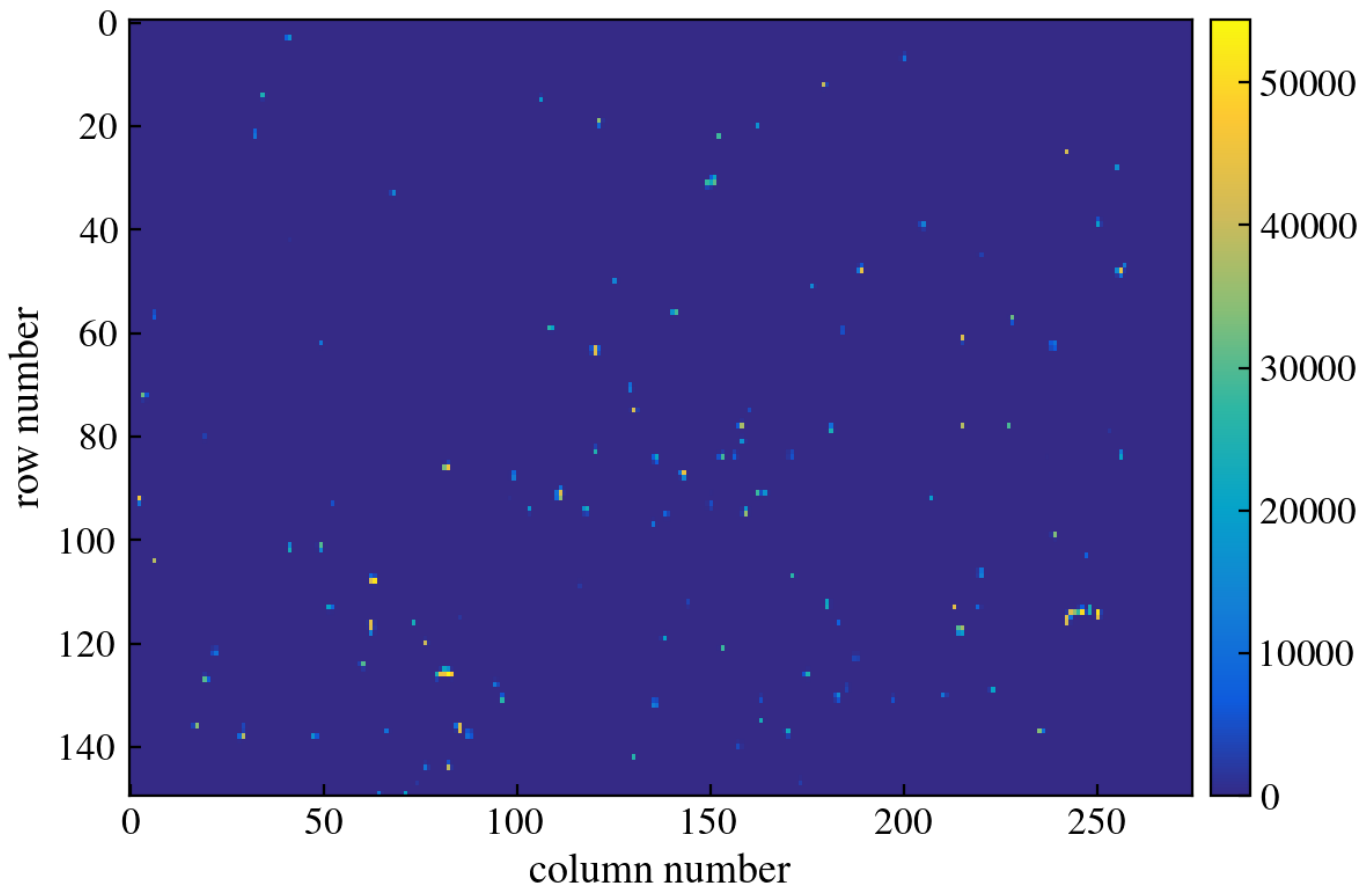


Figure 405: CCD Image

CCD Image: run 154, image 75  
[class MECCDImage]

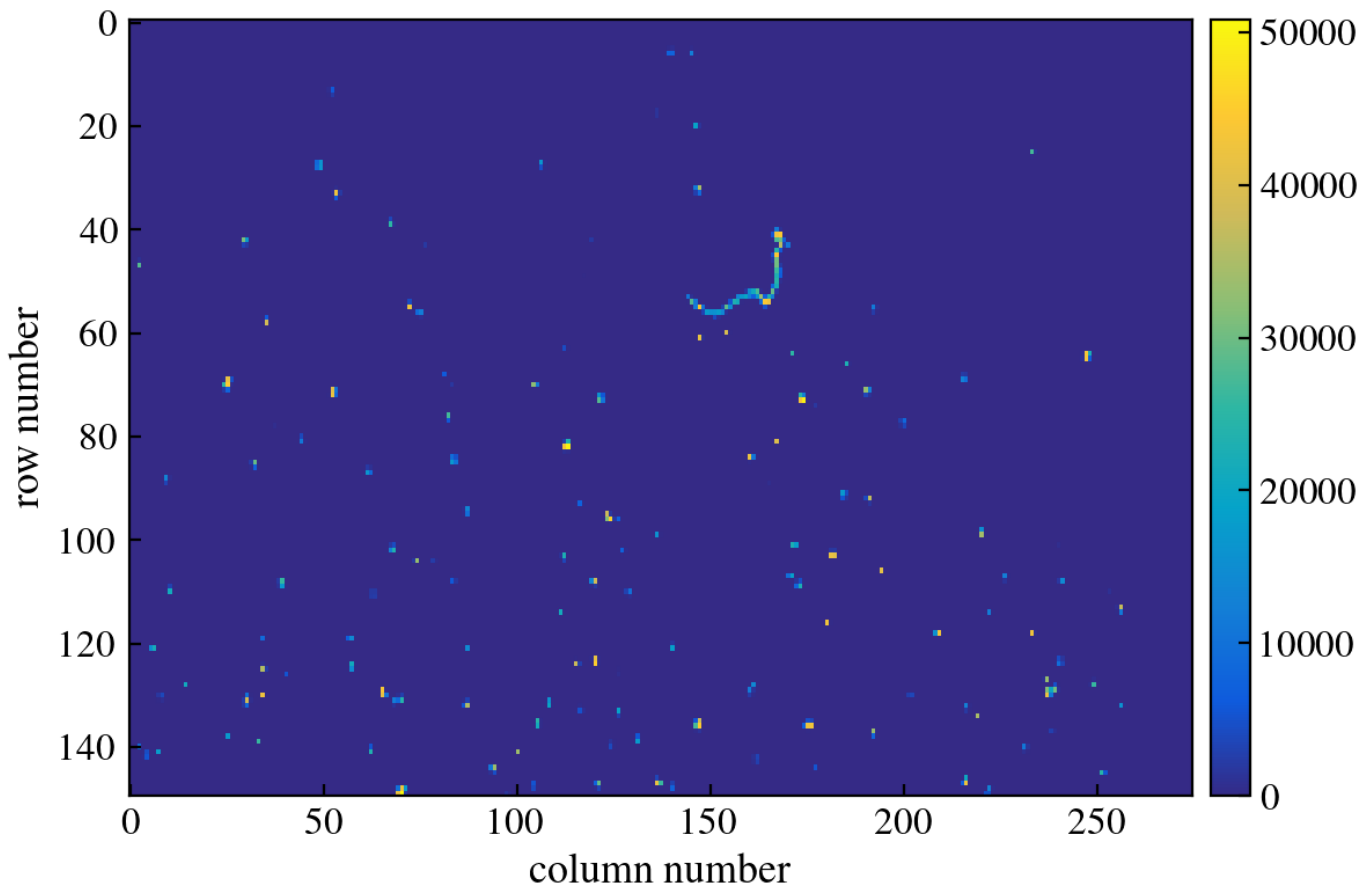


Figure 406: CCD Image

CCD Image: run 154, image 76  
[class MECCDImage]

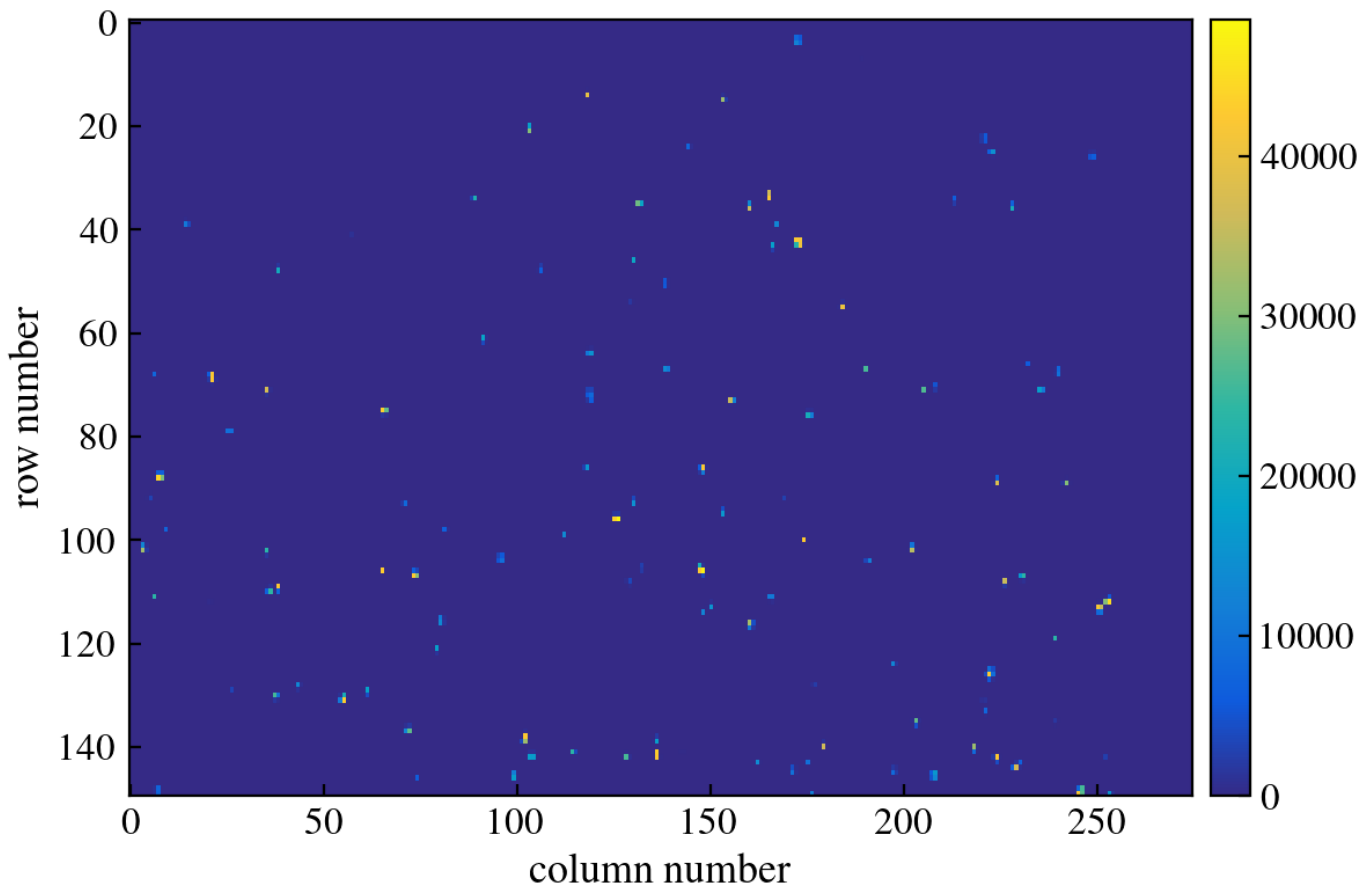


Figure 407: CCD Image

CCD Image: run 154, image 77  
[class MECCDImage]

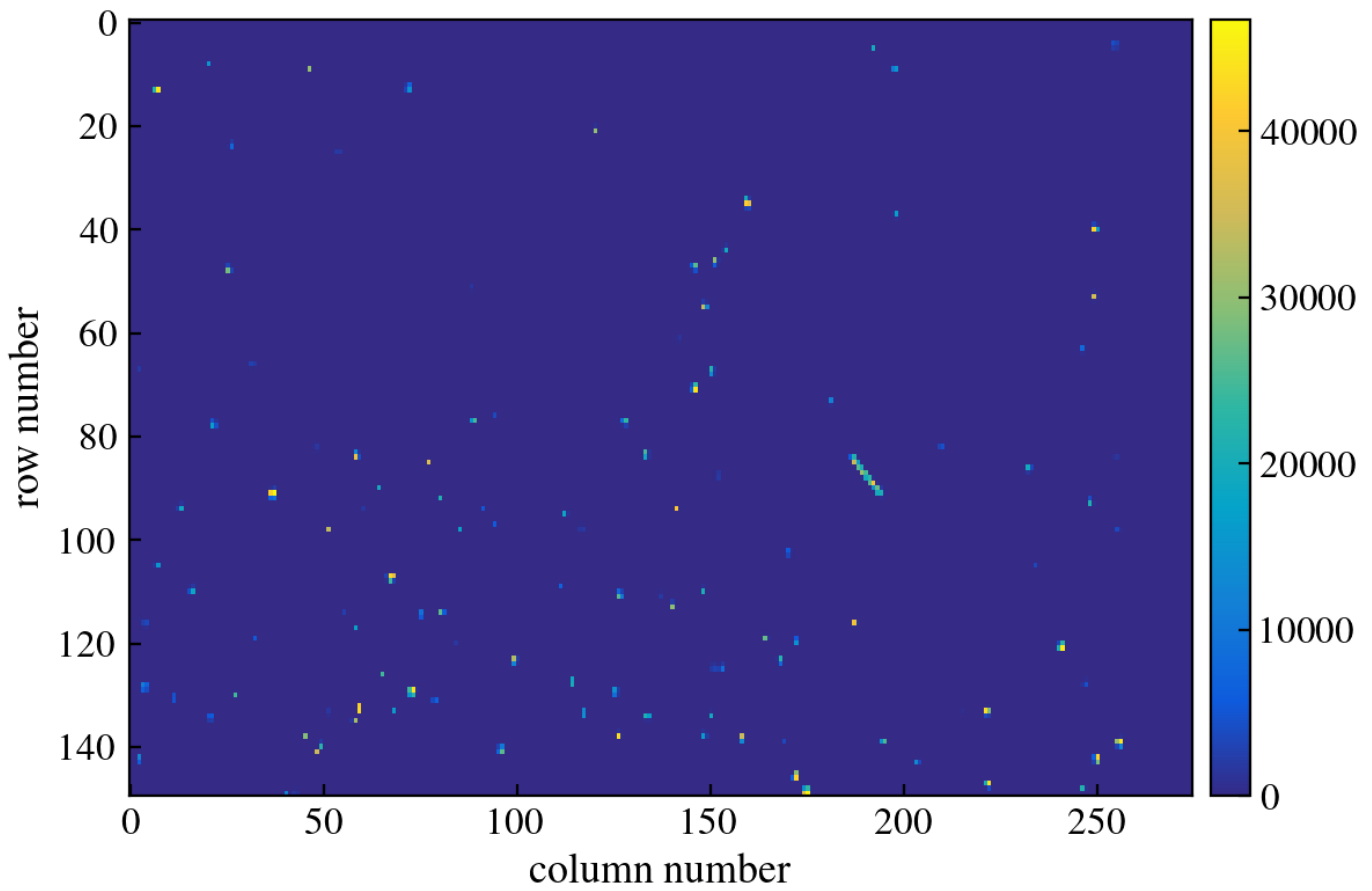


Figure 408: CCD Image

CCD Image: run 154, image 78  
[class MECCDImage]

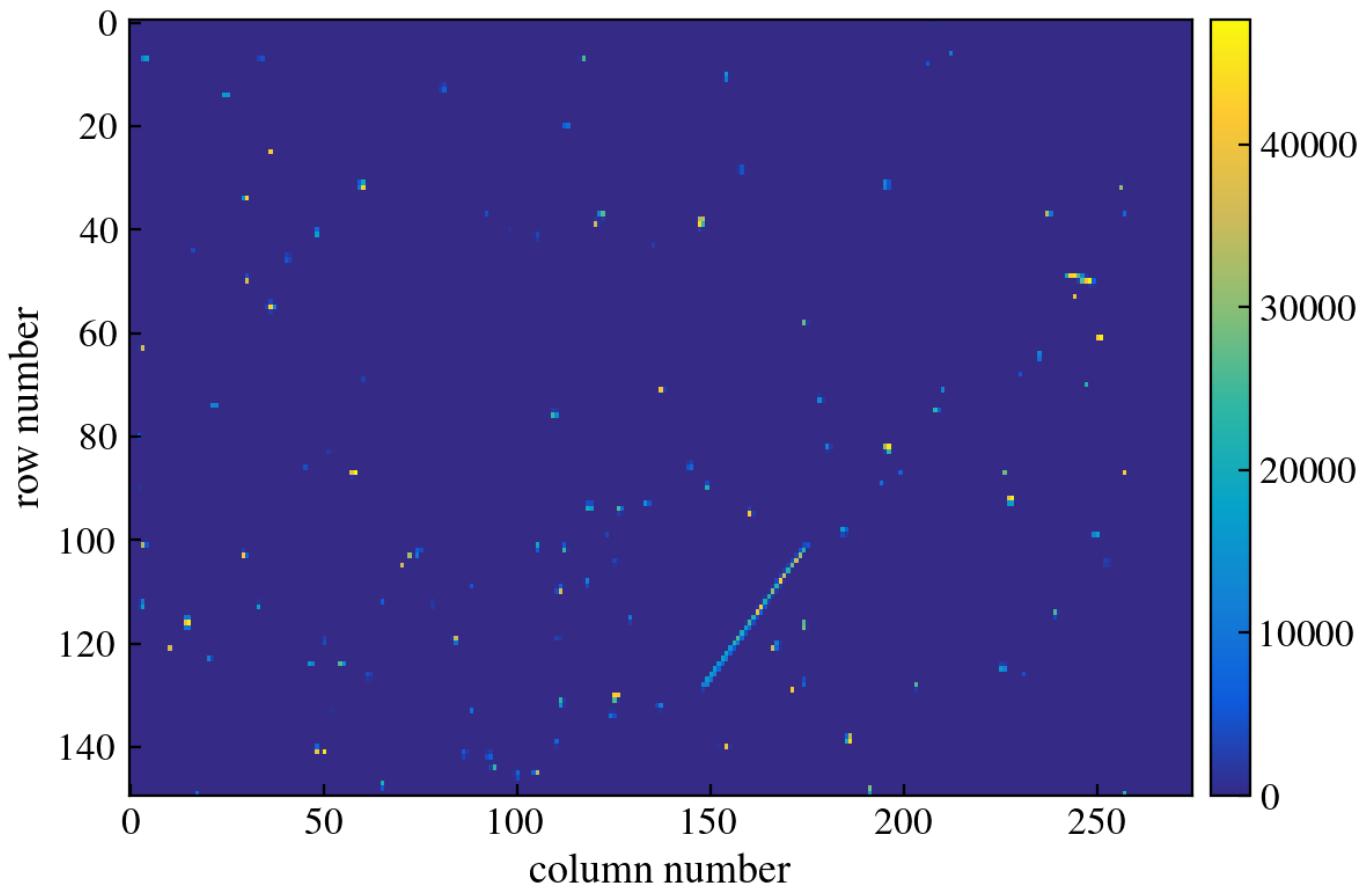


Figure 409: CCD Image

CCD Image: run 154, image 79  
[class MECCDImage]

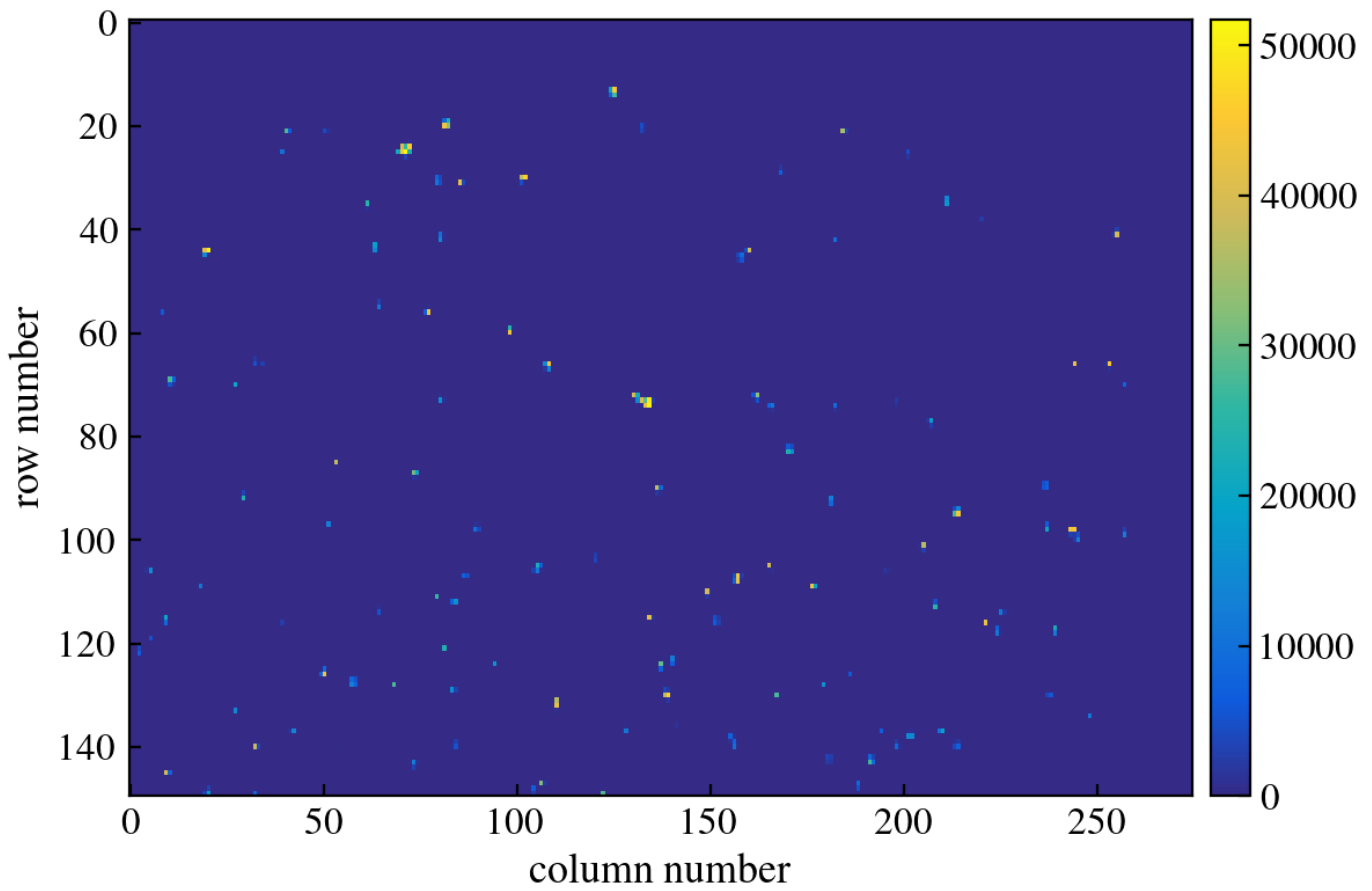


Figure 410: CCD Image

CCD Image: run 154, image 8  
[class MECCDImage]

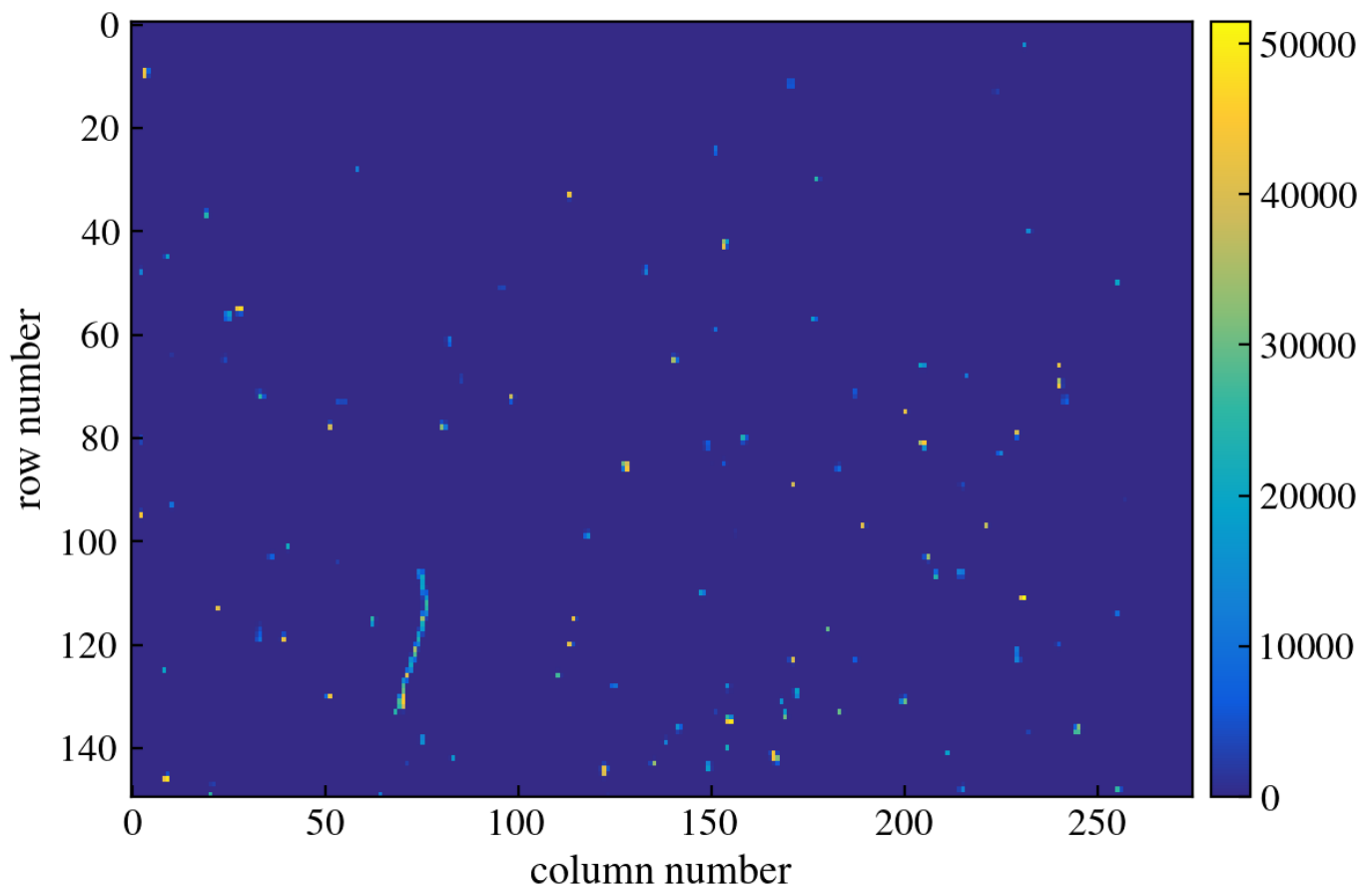


Figure 411: CCD Image



CCD Image: run 154, image 80  
[class MECCDImage]

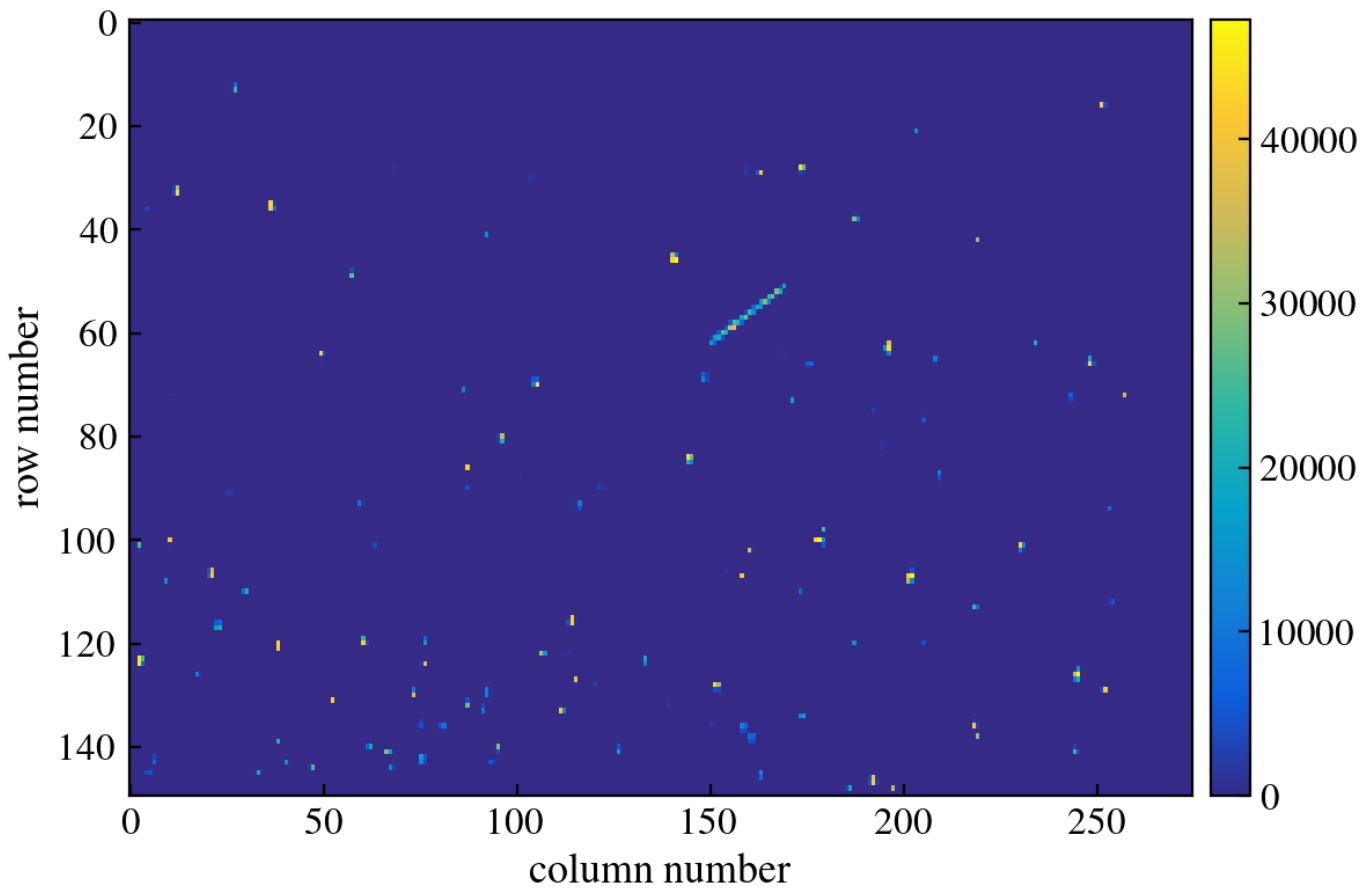


Figure 412: CCD Image

CCD Image: run 154, image 81  
[class MECCDImage]

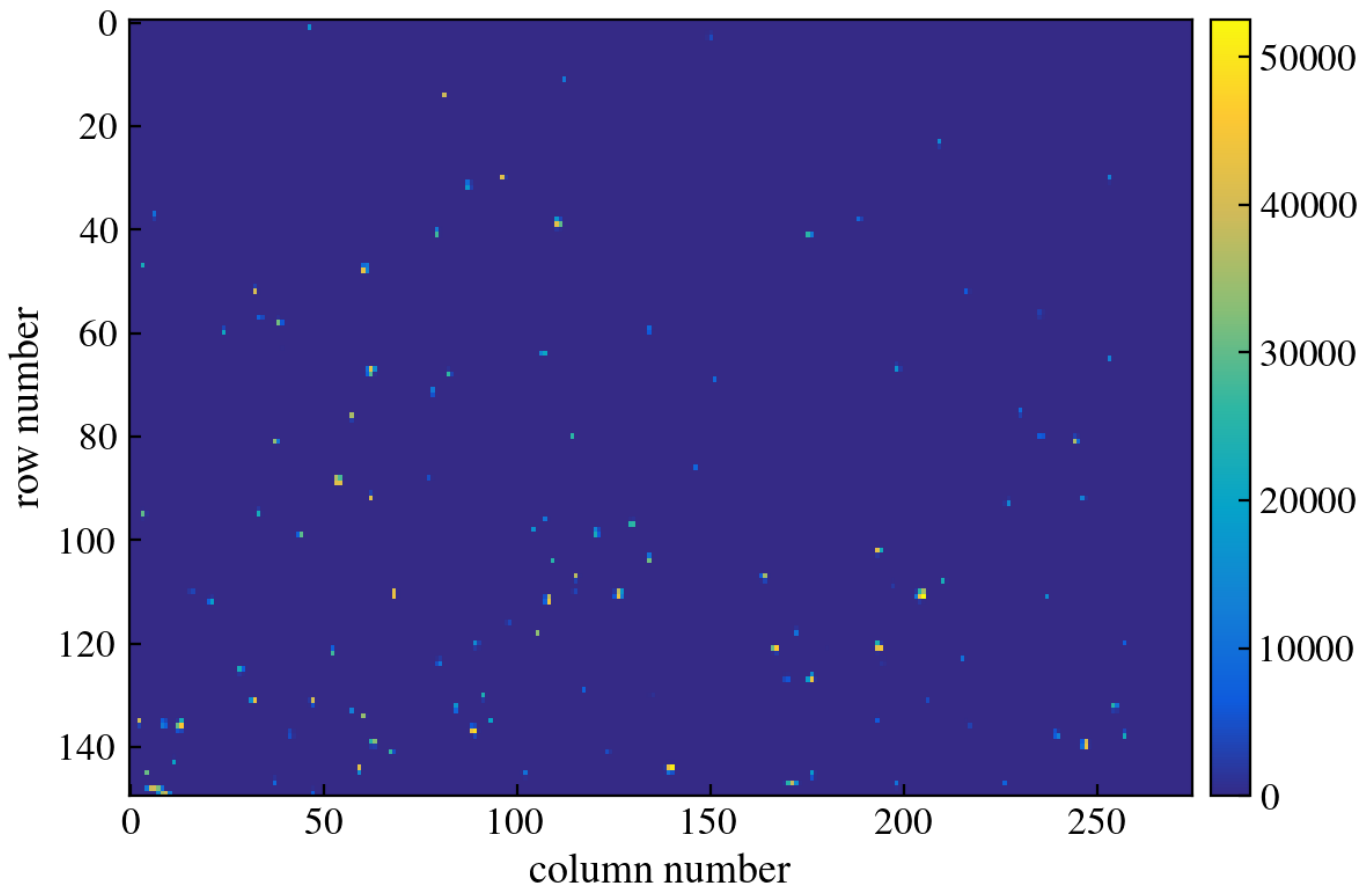


Figure 413: CCD Image

CCD Image: run 154, image 82  
[class MECCDImage]

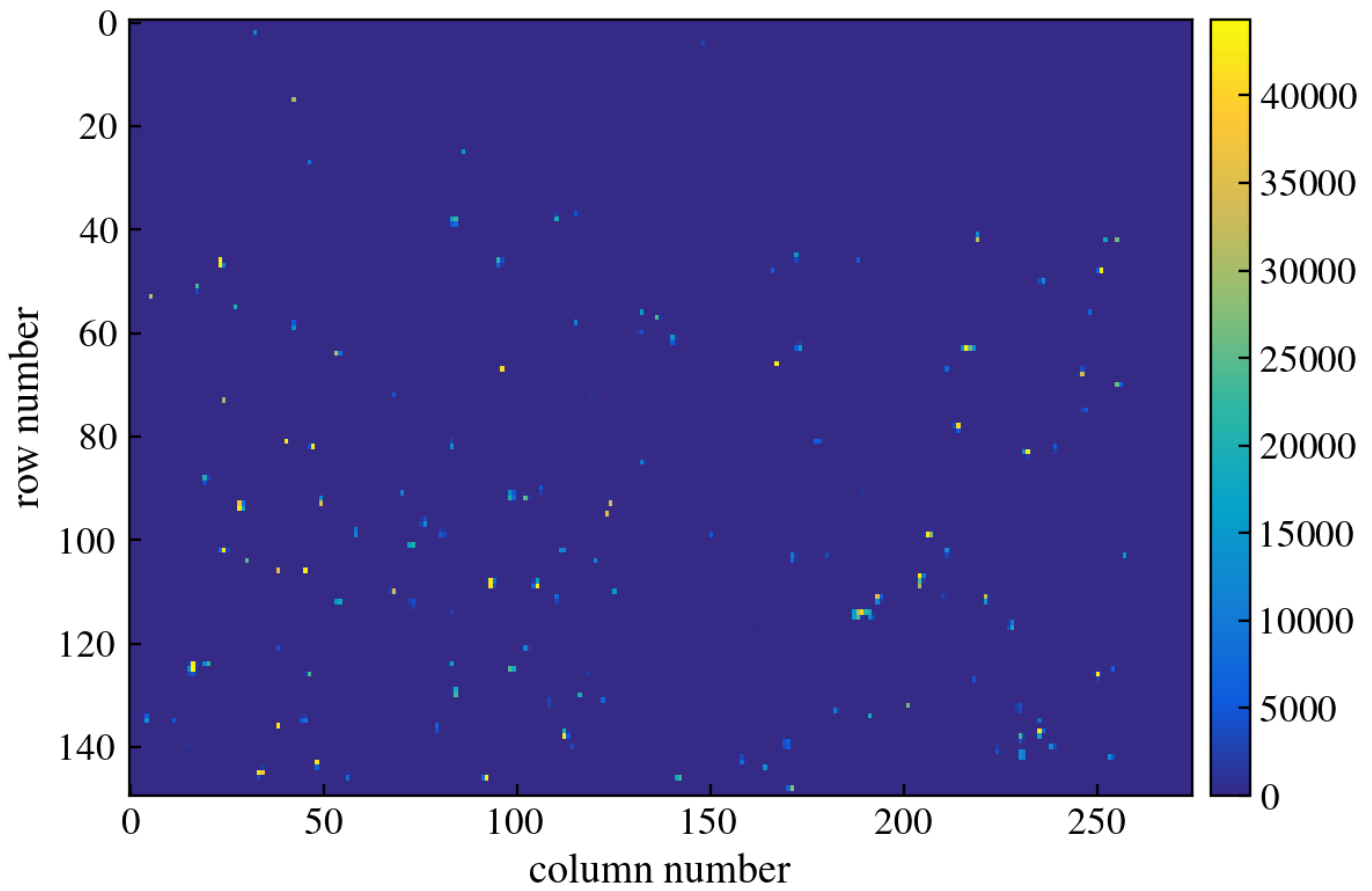


Figure 414: CCD Image

CCD Image: run 154, image 83  
[class MECCDImage]

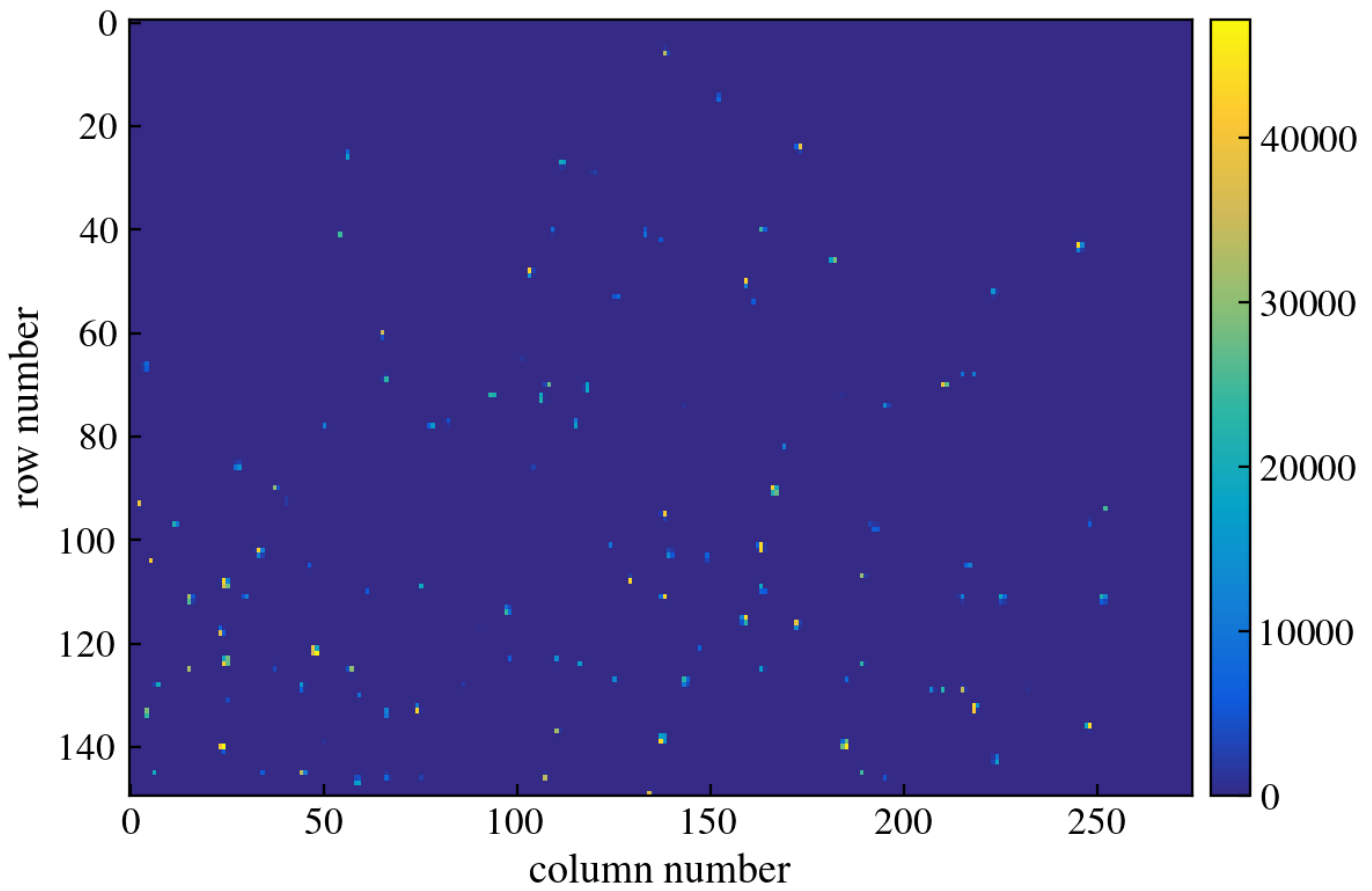


Figure 415: CCD Image

CCD Image: run 154, image 84  
[class MECCDImage]

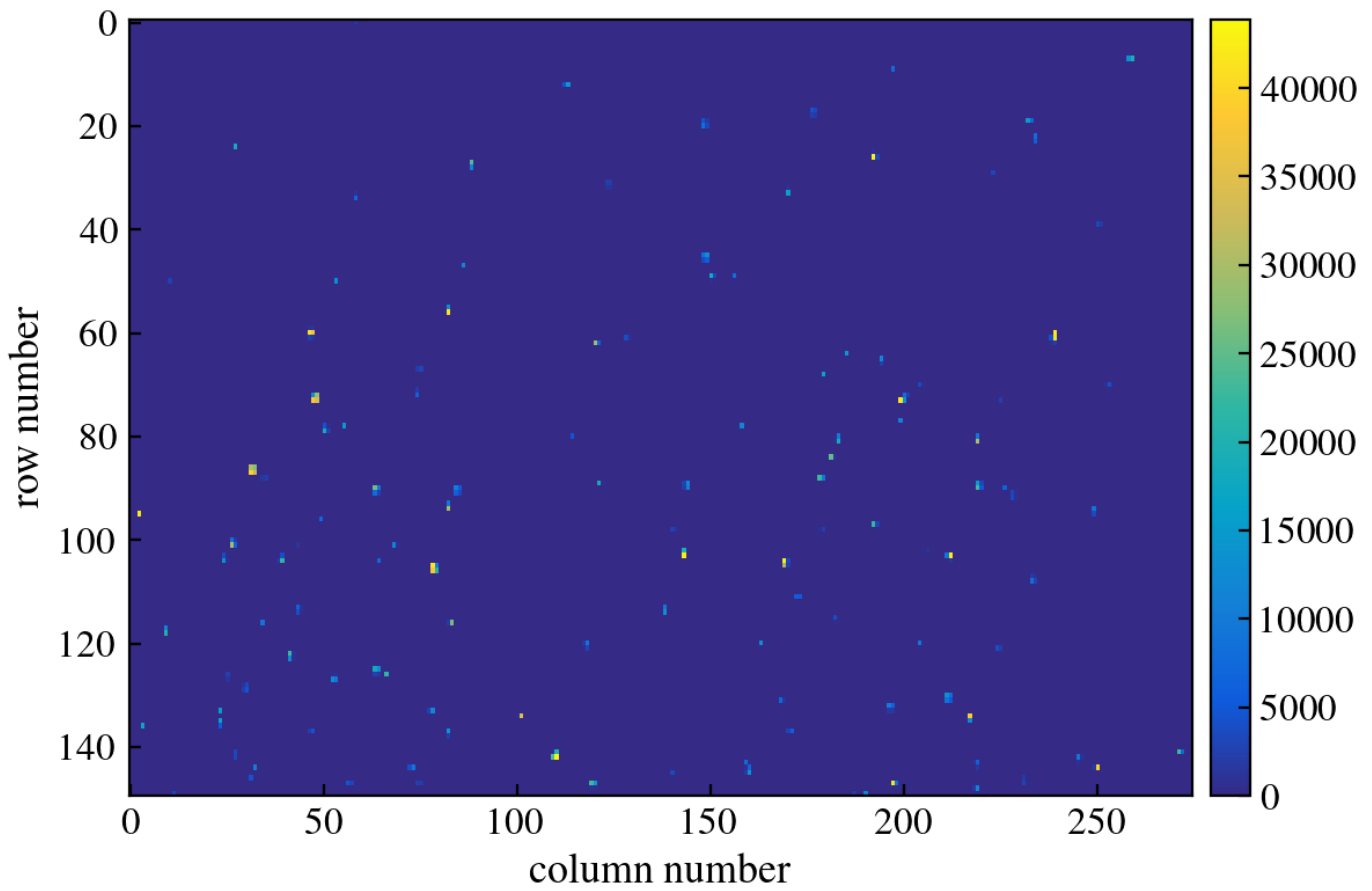


Figure 416: CCD Image

CCD Image: run 154, image 85  
[class MECCDImage]

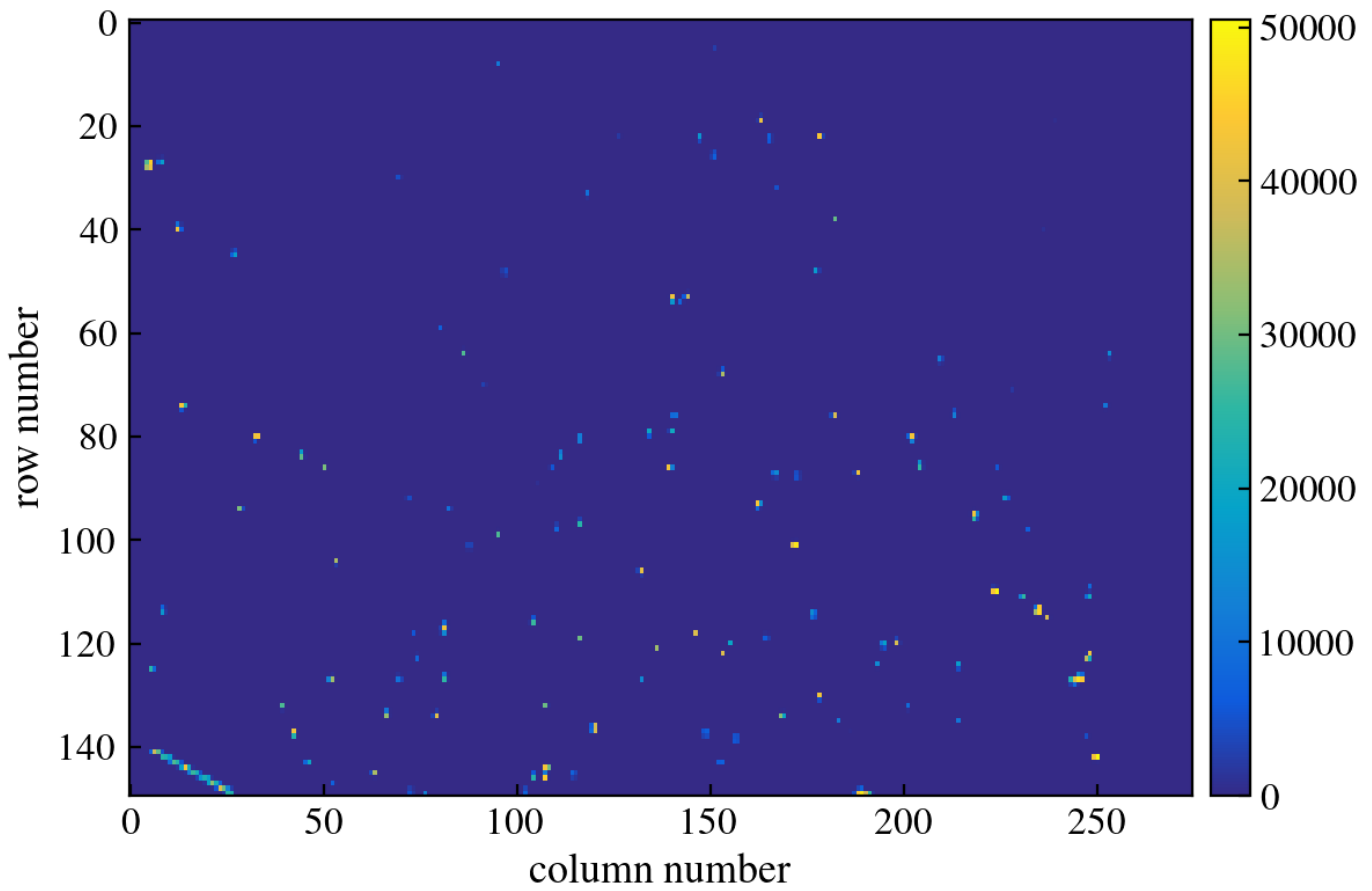


Figure 417: CCD Image

CCD Image: run 154, image 86  
[class MECCDImage]

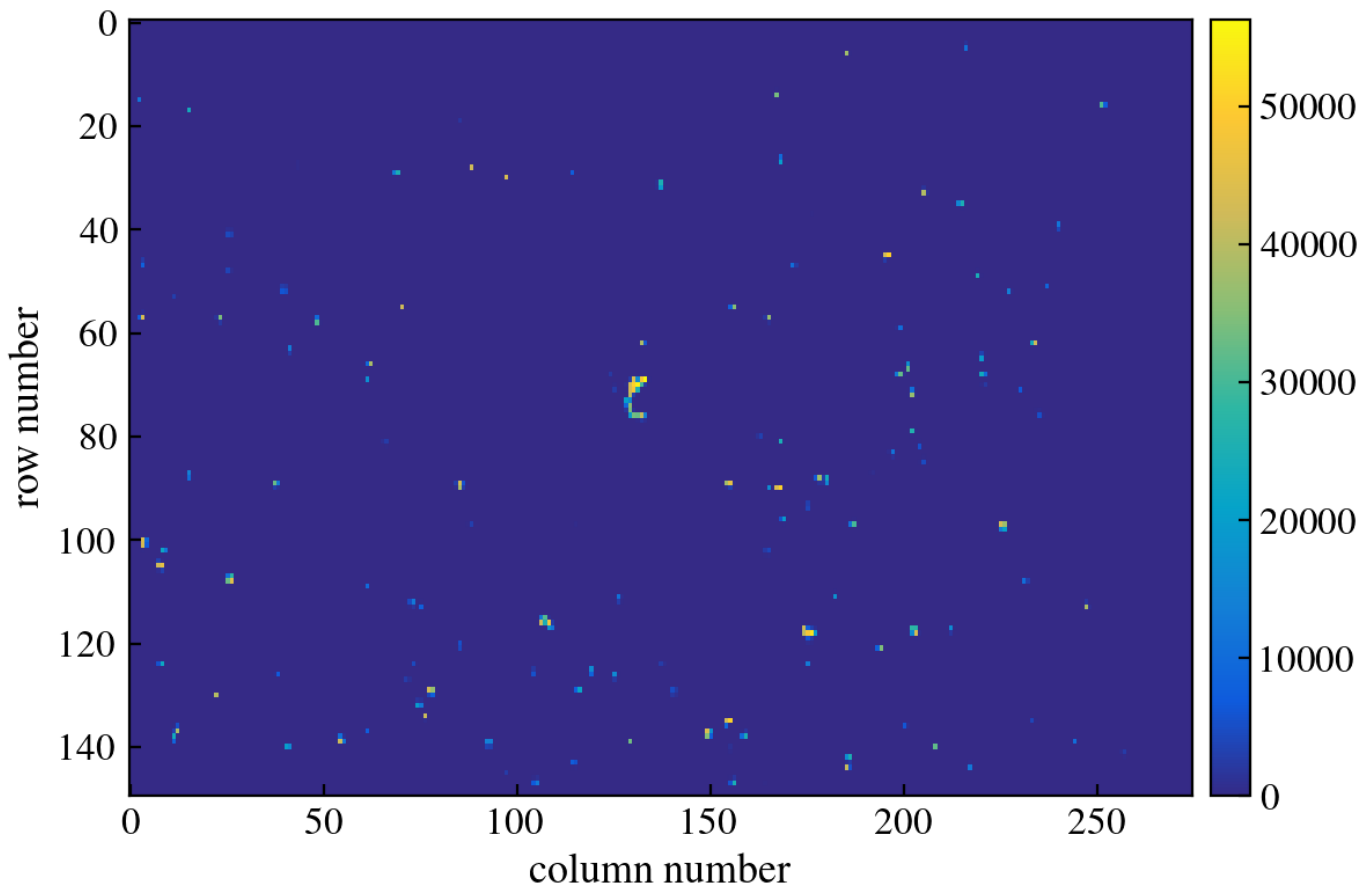


Figure 418: CCD Image

CCD Image: run 154, image 87  
[class MECCDImage]

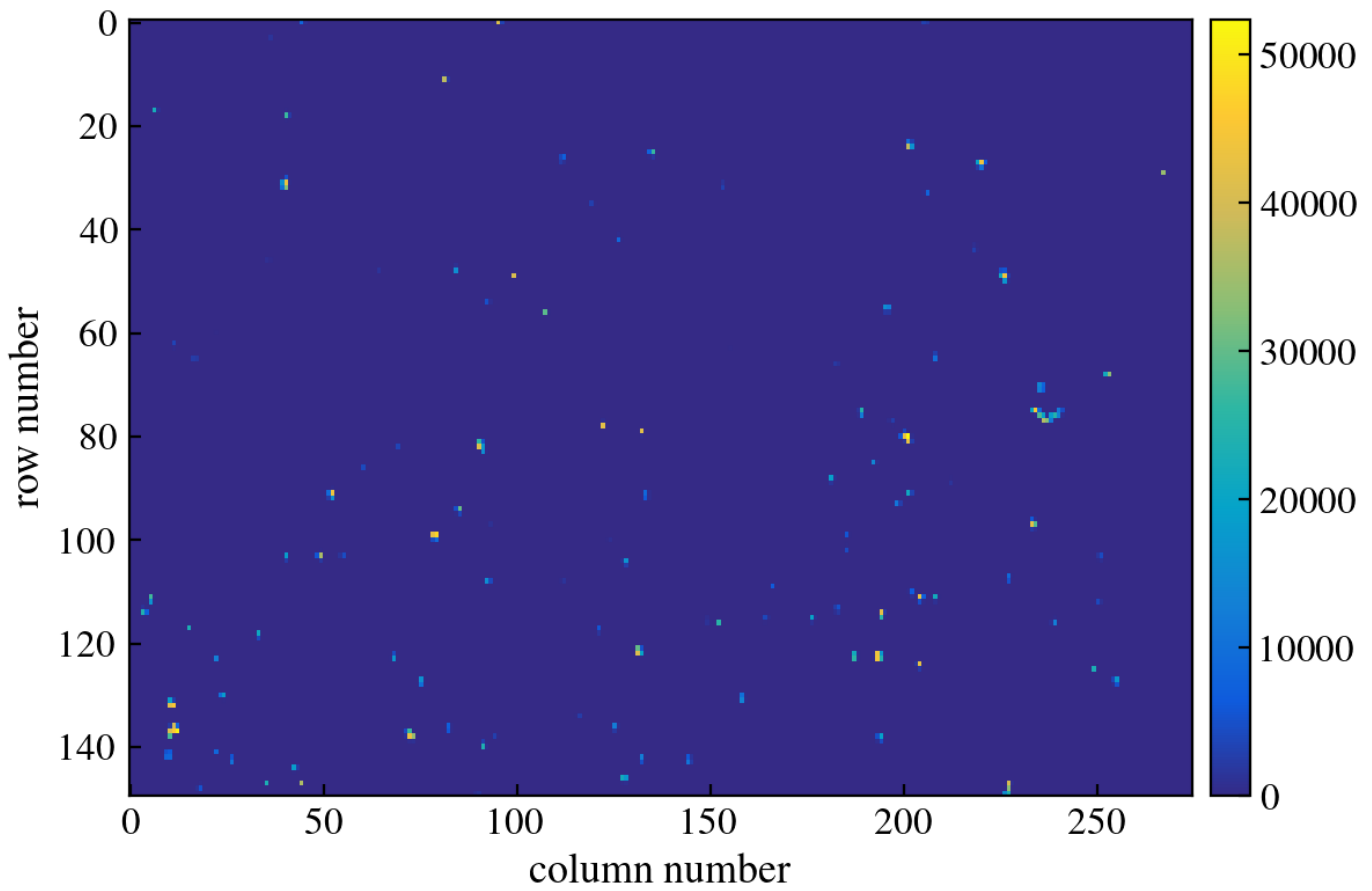


Figure 419: CCD Image



CCD Image: run 154, image 88  
[class MECCDImage]

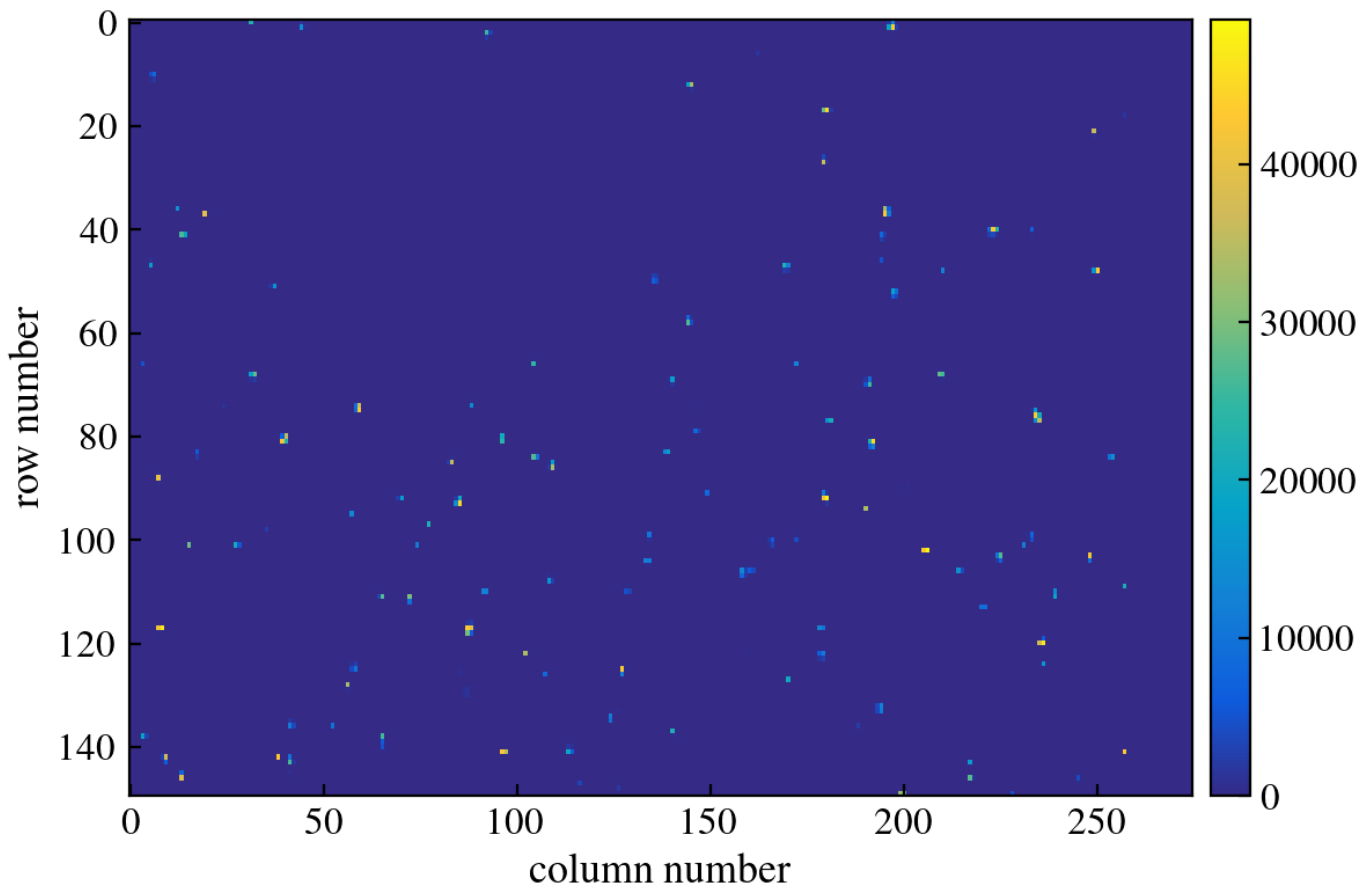


Figure 420: CCD Image

CCD Image: run 154, image 89  
[class MECCDImage]

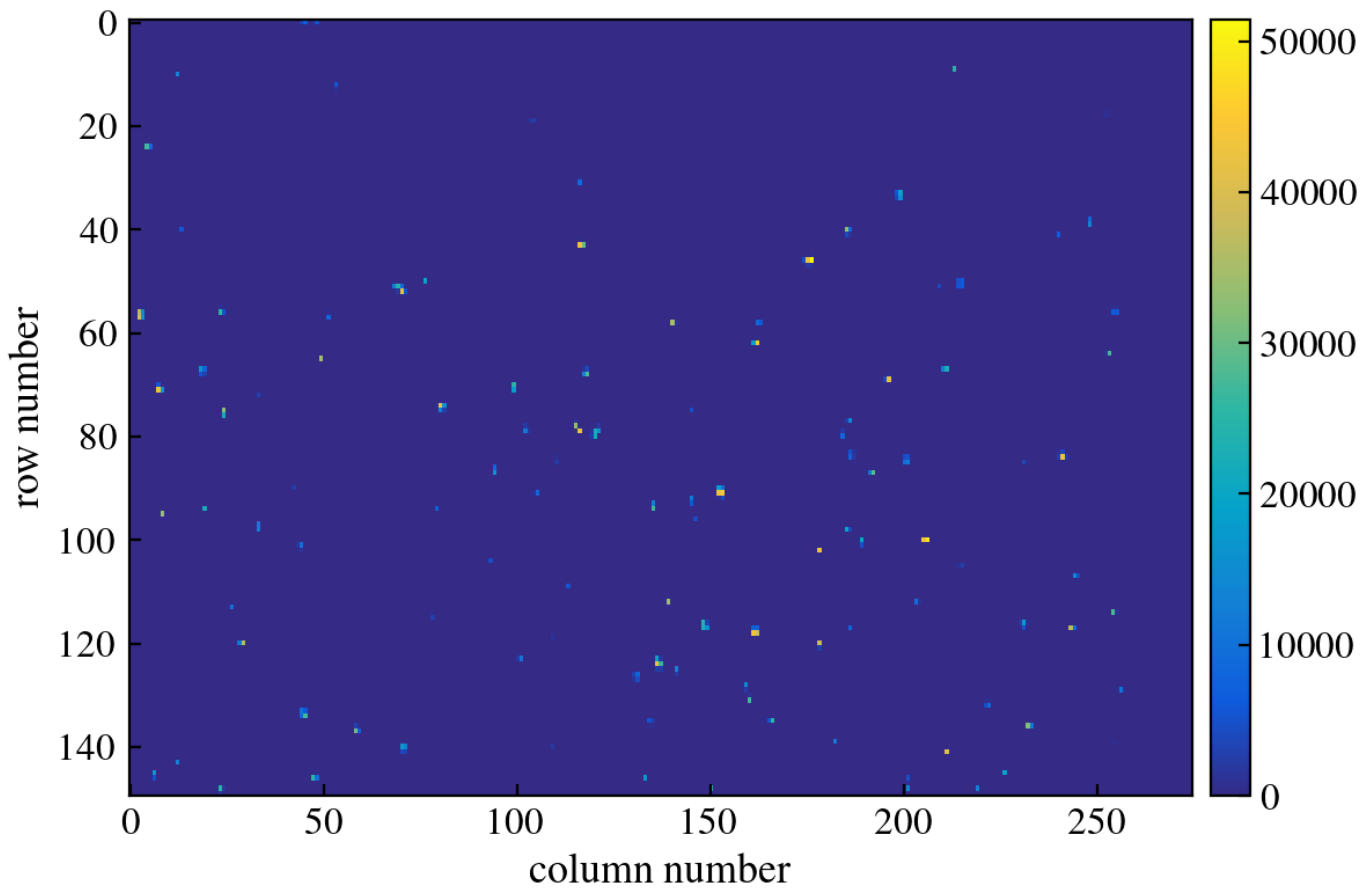


Figure 421: CCD Image

CCD Image: run 154, image 9  
[class MECCDImage]

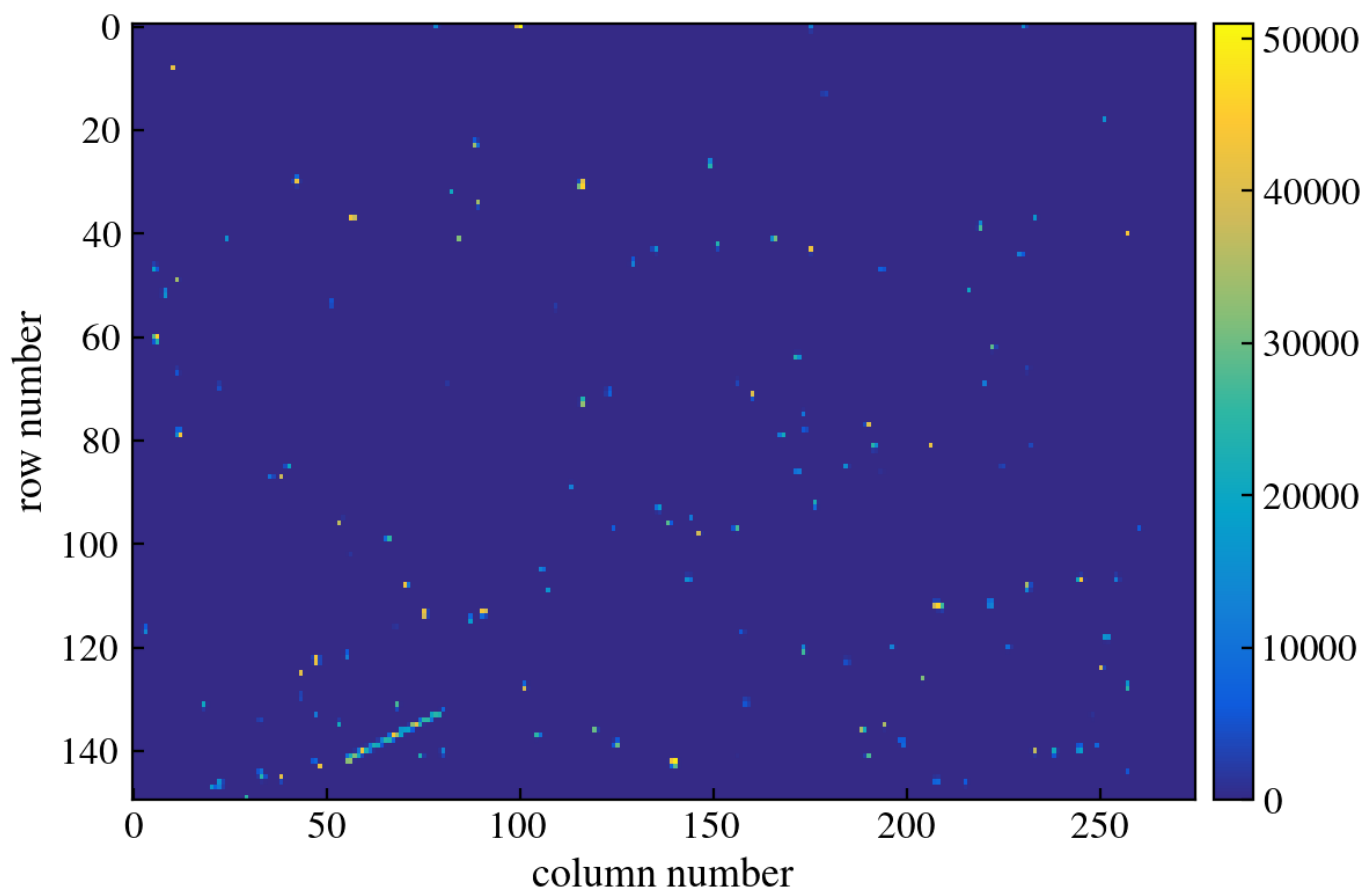


Figure 422: CCD Image

CCD Image: run 154, image 90  
[class MECCDImage]

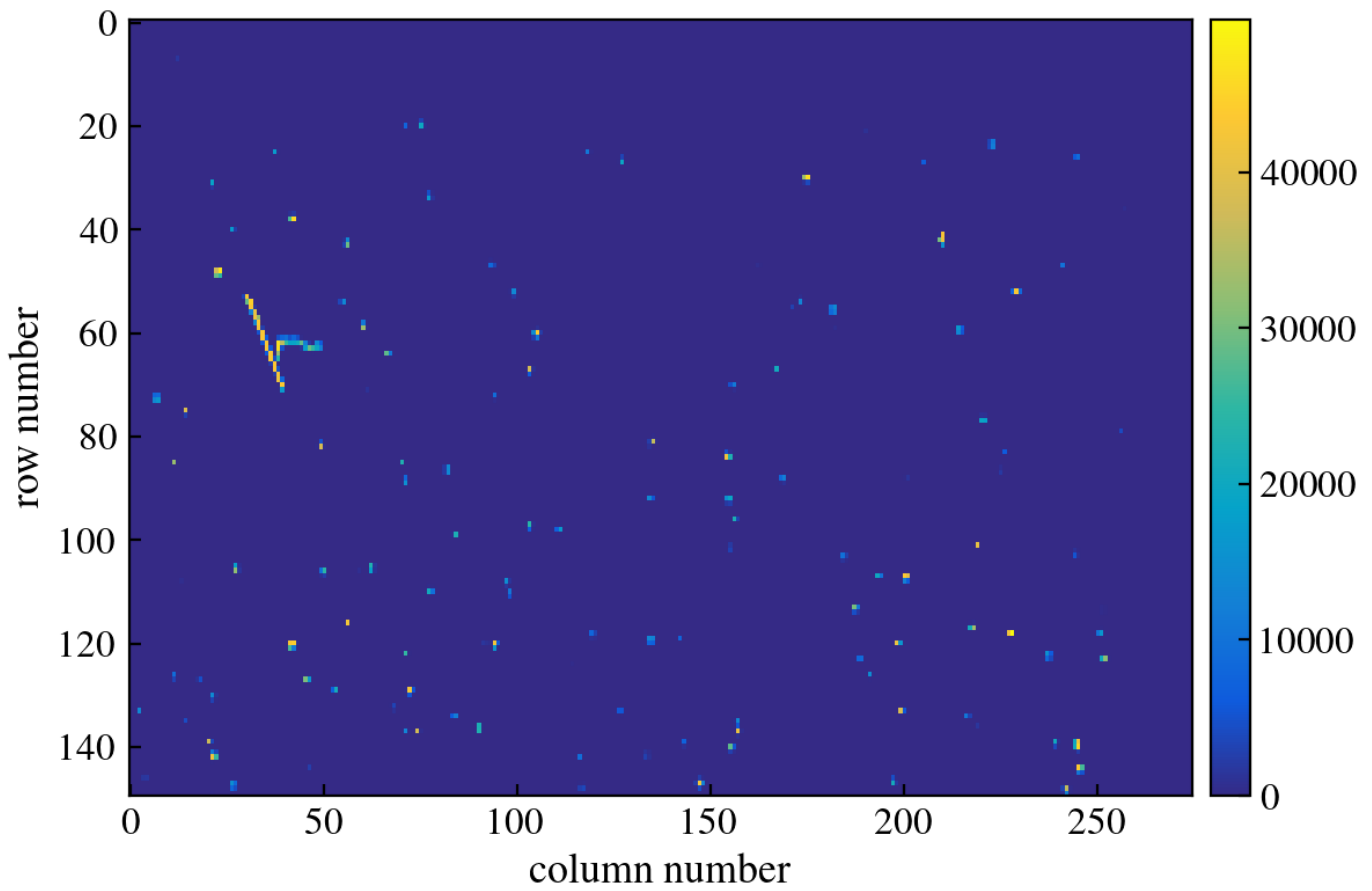


Figure 423: CCD Image

CCD Image: run 154, image 91  
[class MECCDImage]

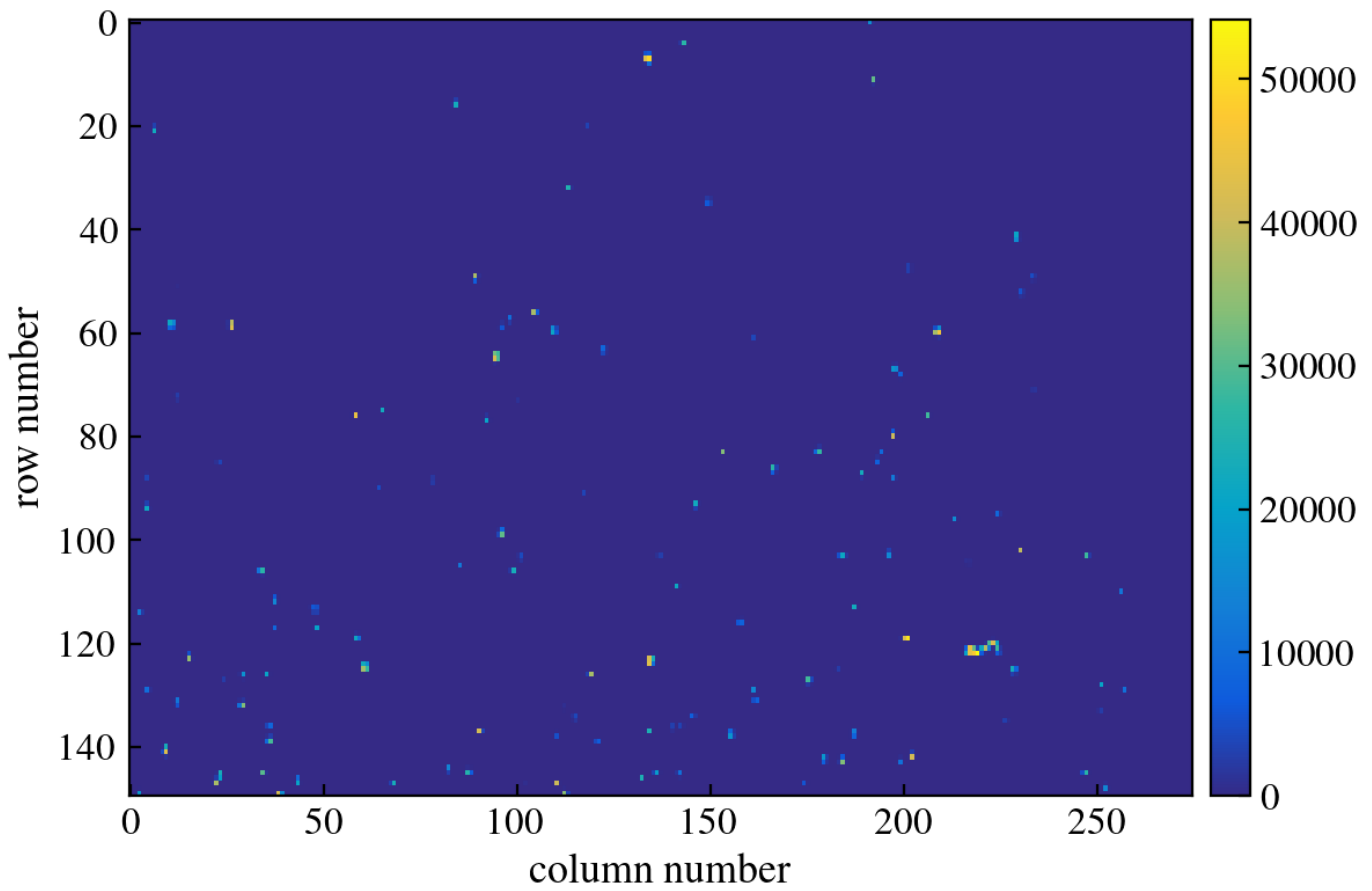


Figure 424: CCD Image

CCD Image: run 154, image 92  
[class MECCDImage]

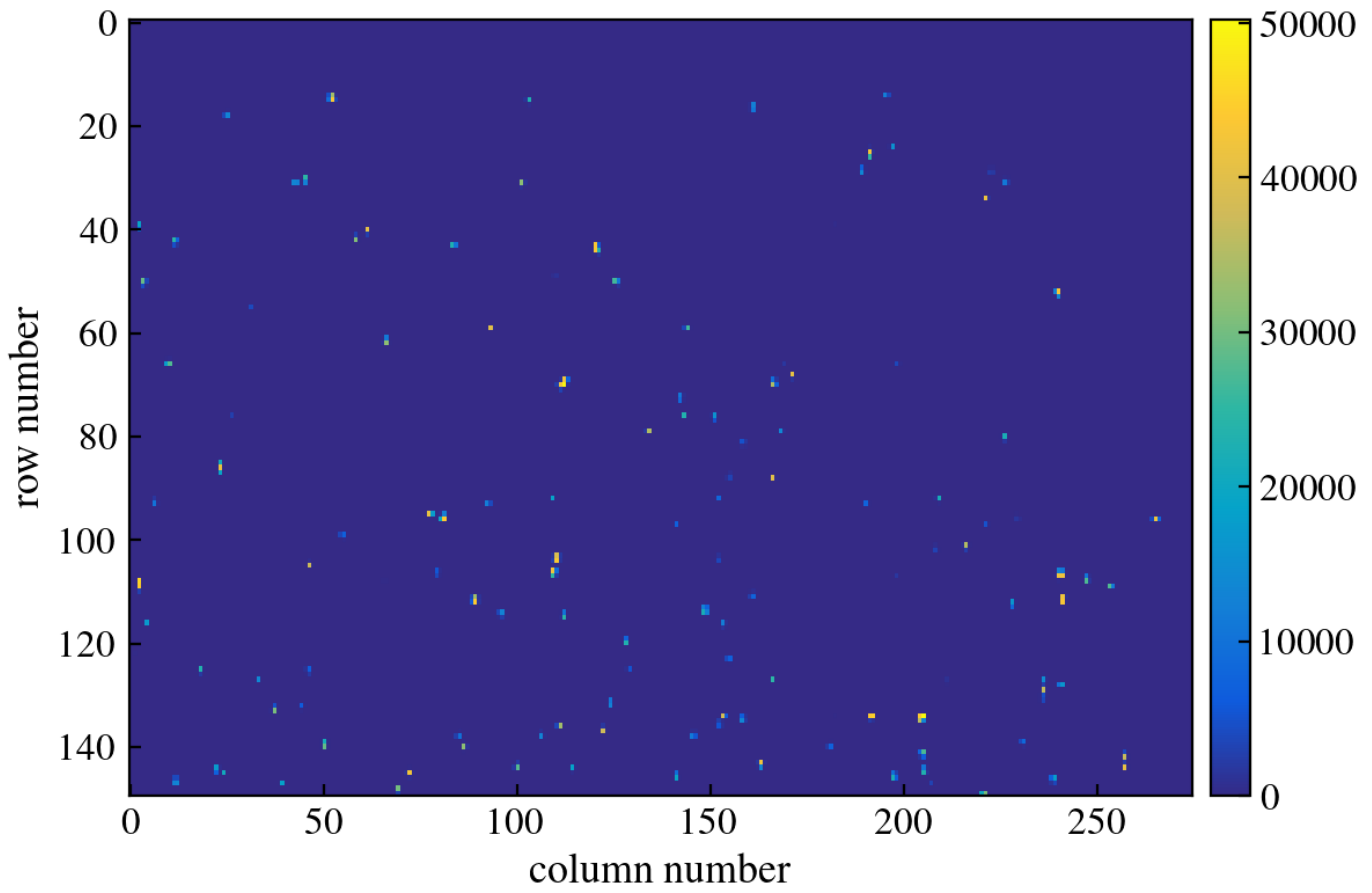


Figure 425: CCD Image

CCD Image: run 154, image 93  
[class MECCDImage]

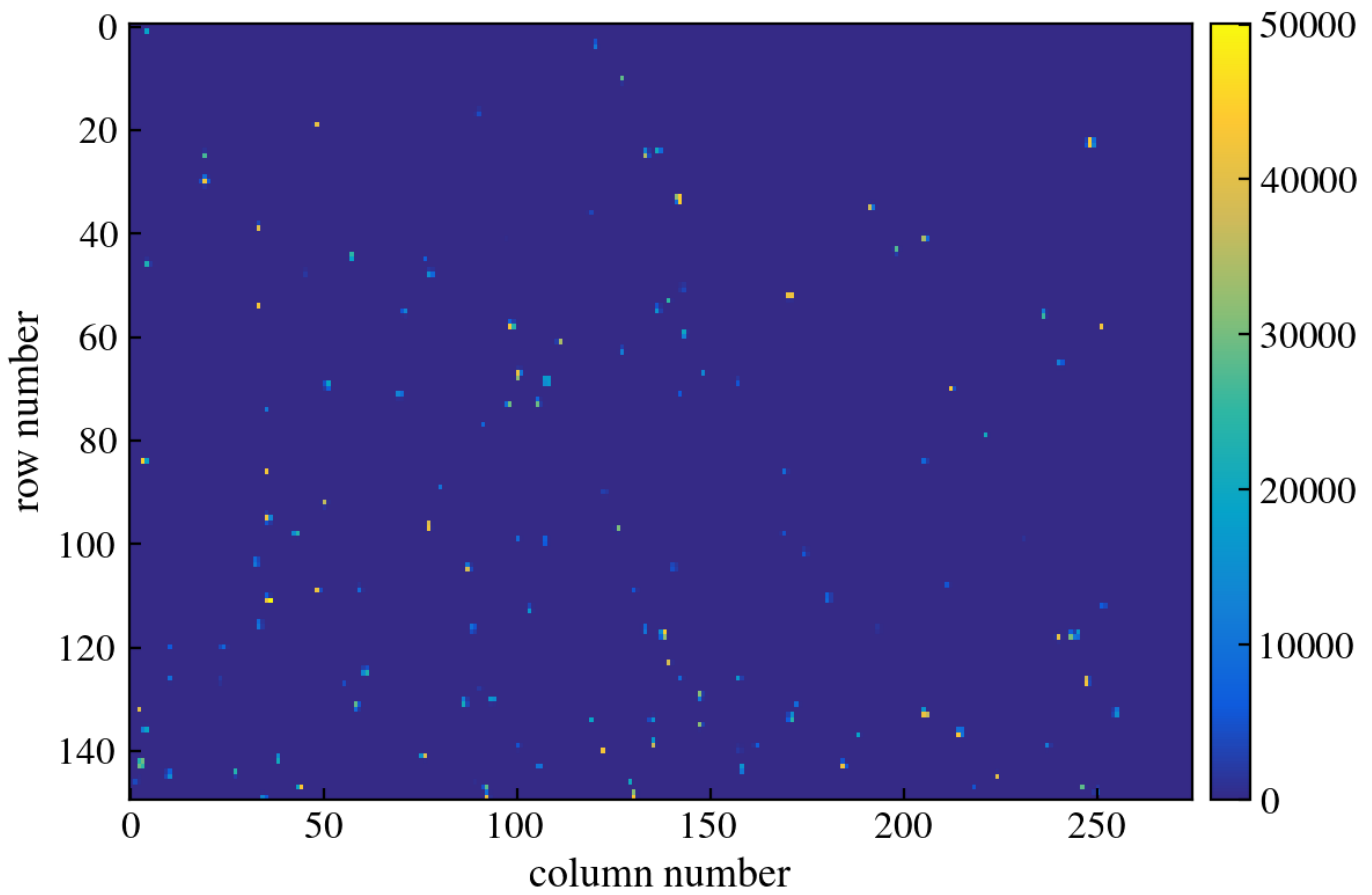


Figure 426: CCD Image

CCD Image: run 154, image 94  
[class MECCDImage]

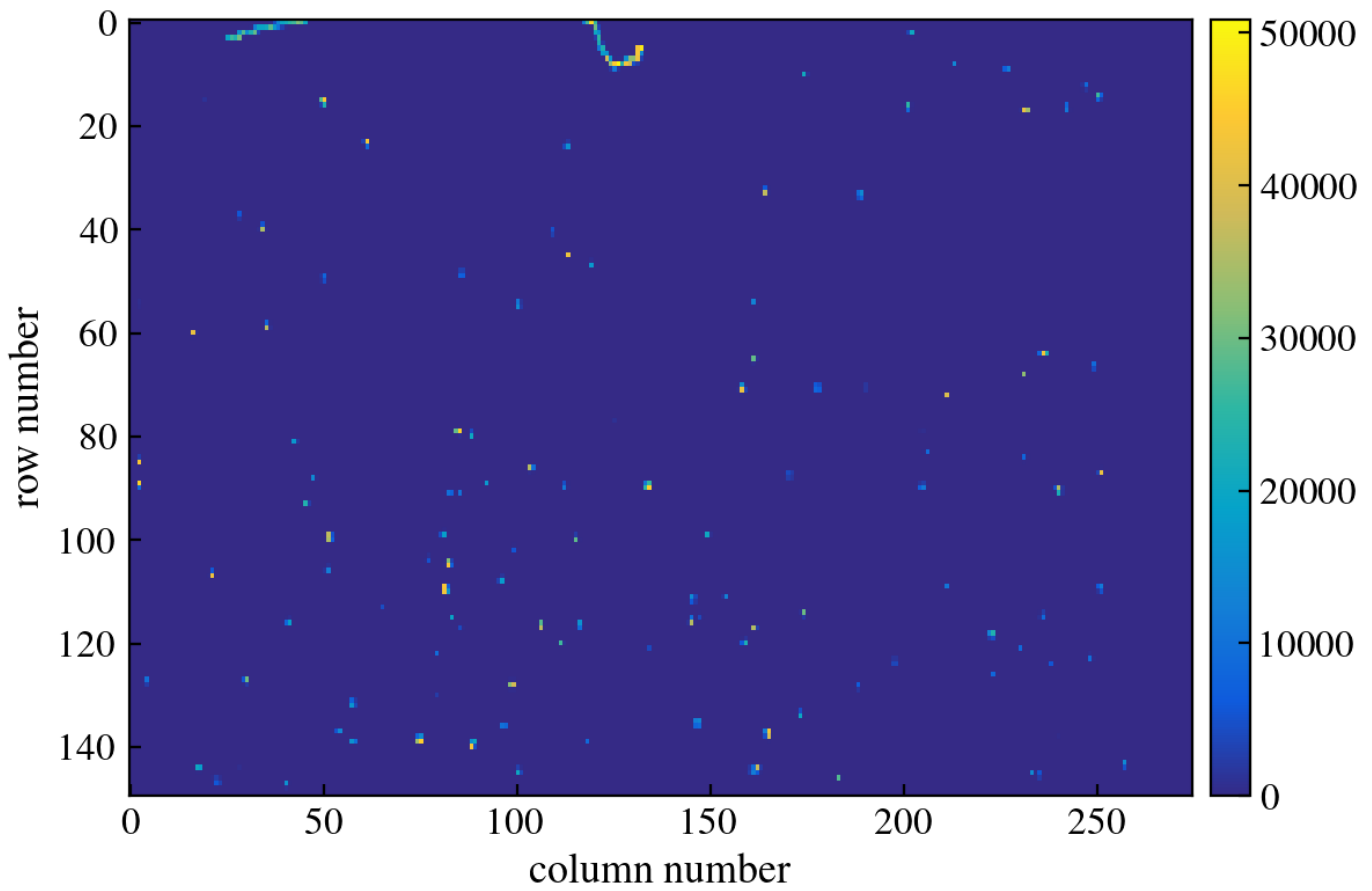


Figure 427: CCD Image



CCD Image: run 154, image 95  
[class MECCDImage]

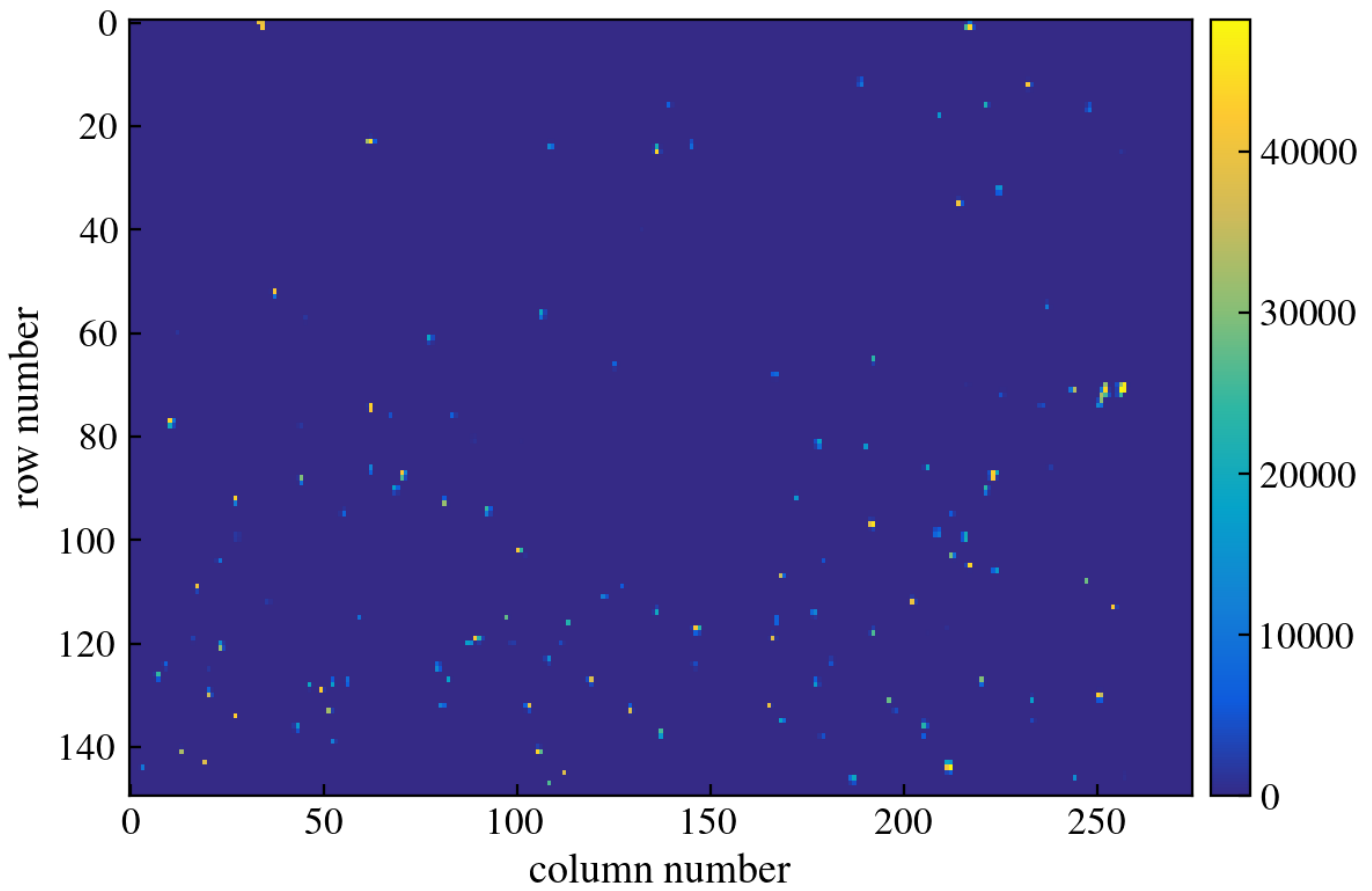


Figure 428: CCD Image

CCD Image: run 154, image 96  
[class MECCDImage]

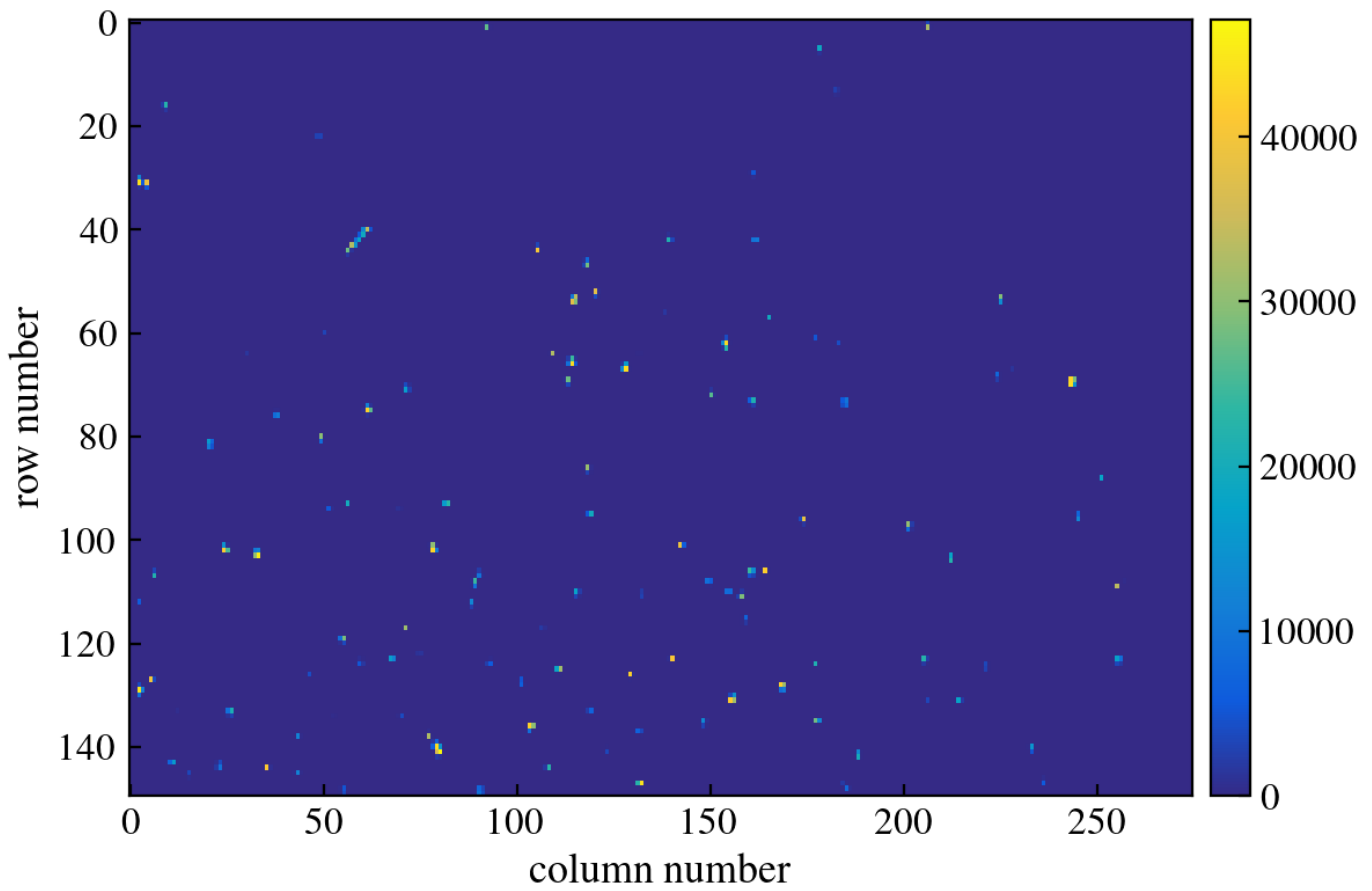


Figure 429: CCD Image

CCD Image: run 154, image 97  
[class MECCDImage]

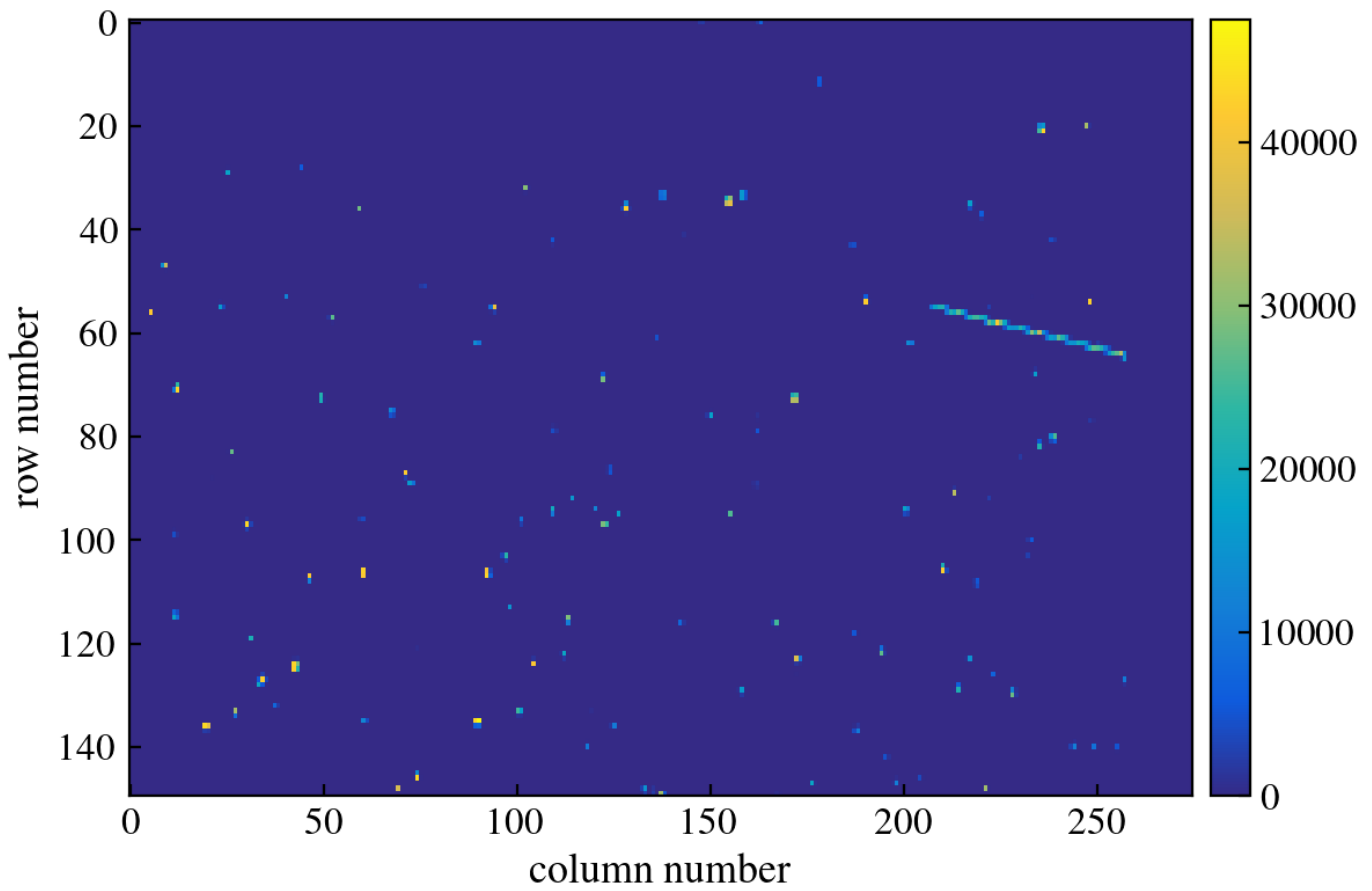


Figure 430: CCD Image

CCD Image: run 154, image 98  
[class MECCDImage]

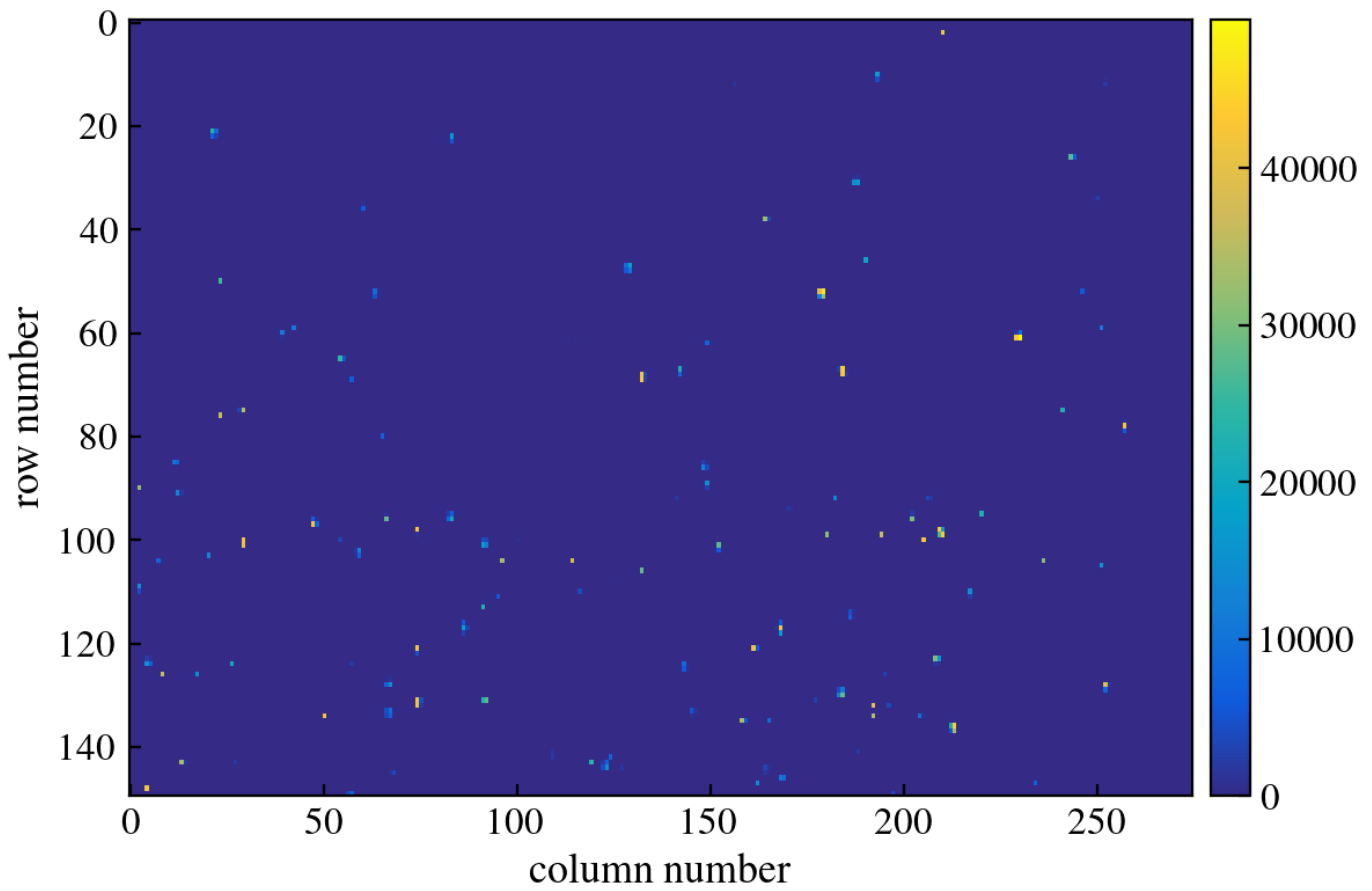


Figure 431: CCD Image

CCD Image: run 154, image 99  
[class MECCDImage]

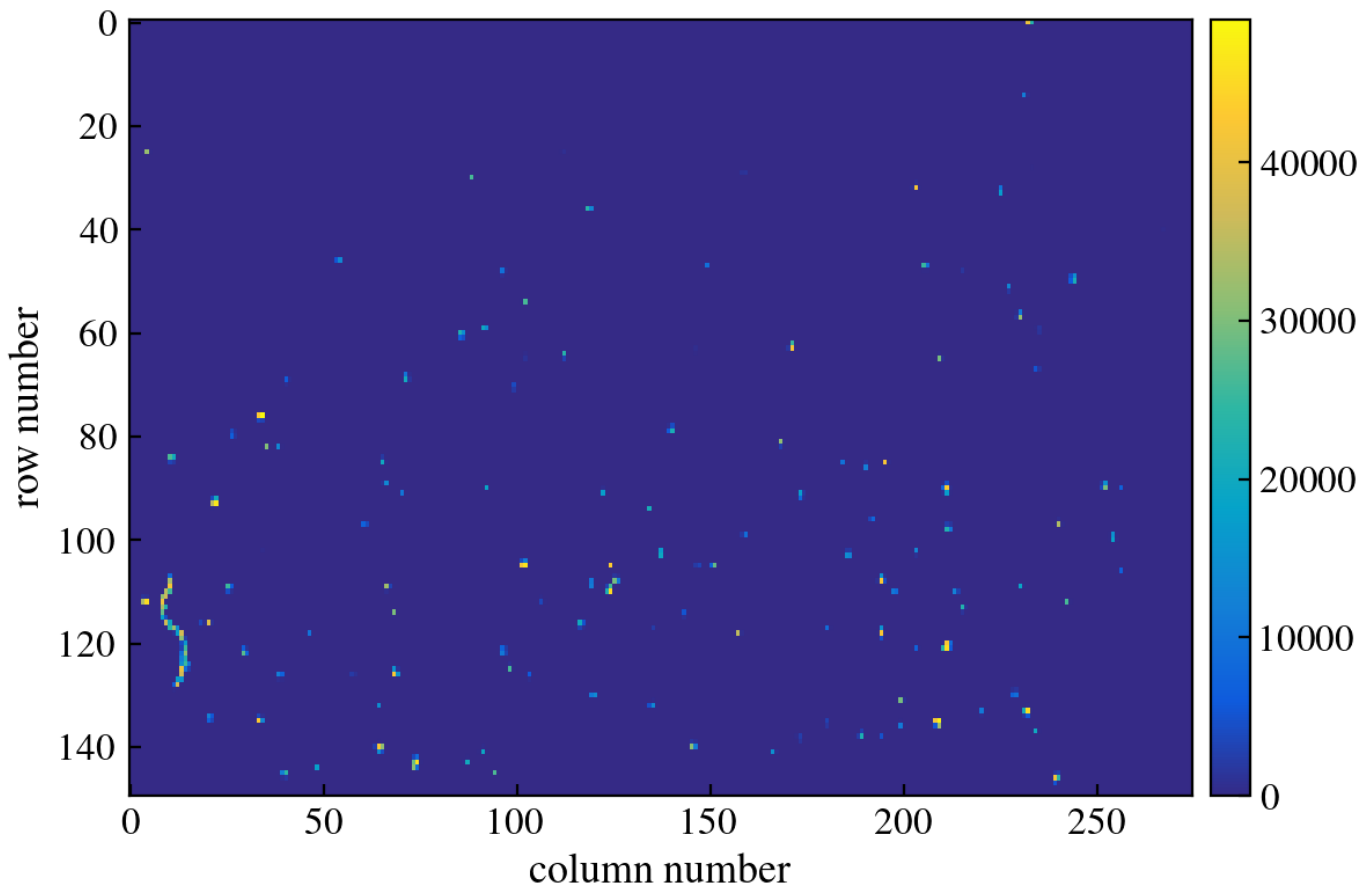


Figure 432: CCD Image

Overscan. Baseline Shift Status vs Image  
[class MEBaselineShift]

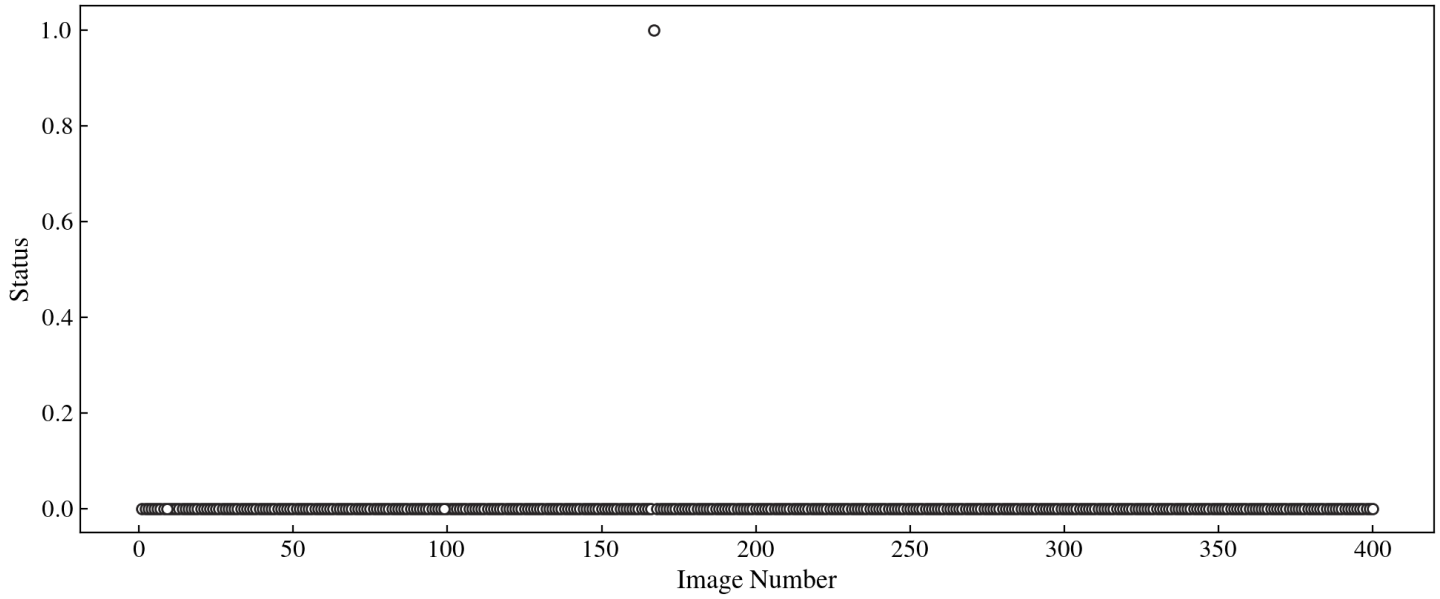


Figure 433: Overscan. Baseline Shift Status vs Image

Overscan. Horizontal Clusters vs Image  
[class MEHorizontalClusters]

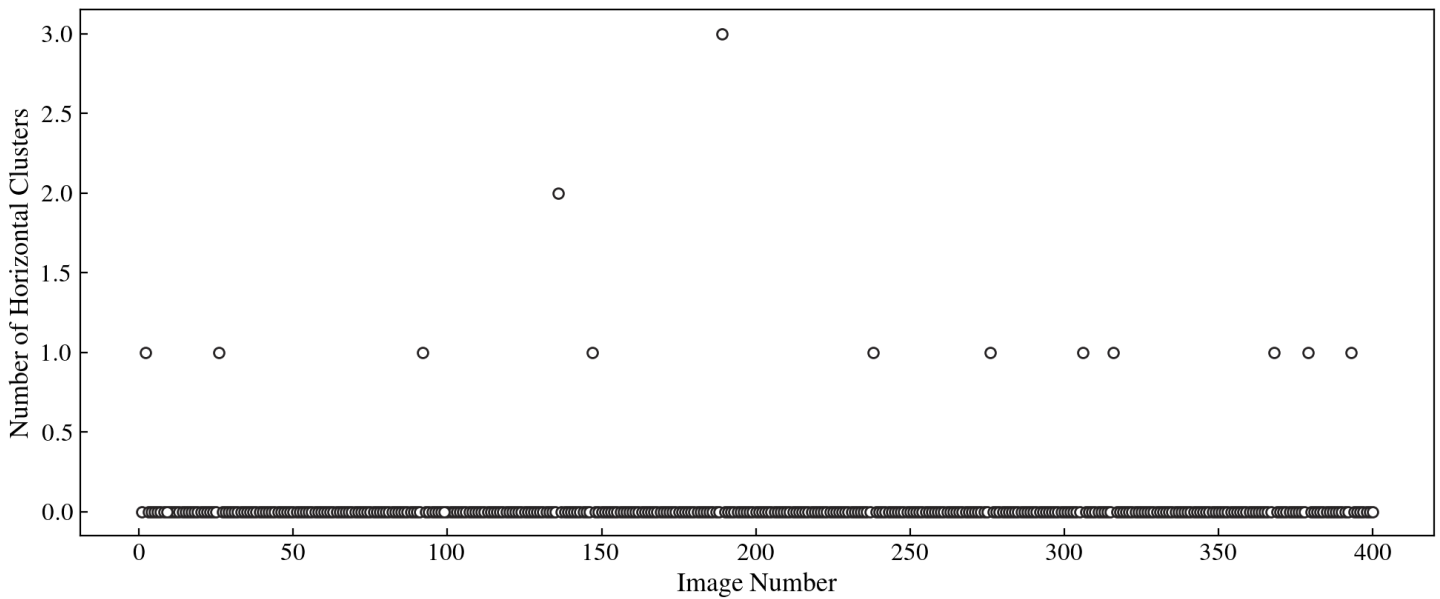


Figure 434: Overscan. Horizontal Clusters vs Image

Overscan. Miscellaneous Noise Found Status  
[class MESigmaCutoffNoise]

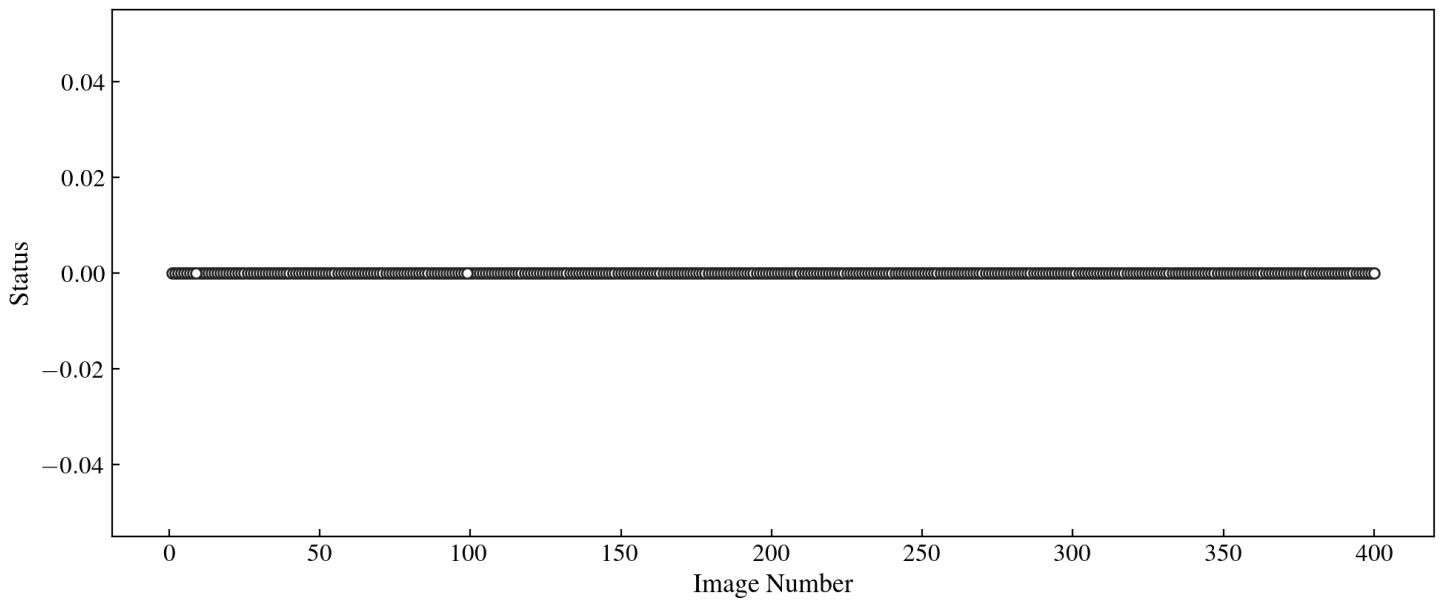


Figure 435: Overscan. Miscellaneous Noise Found Status