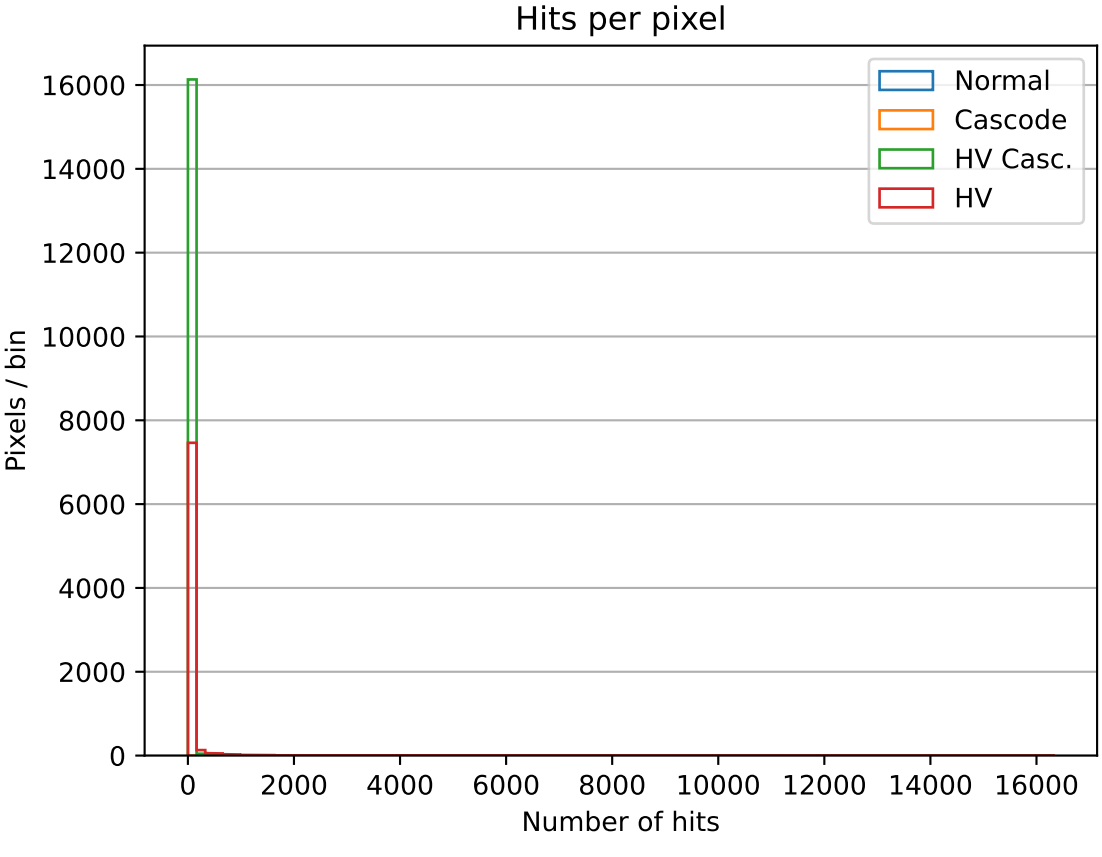
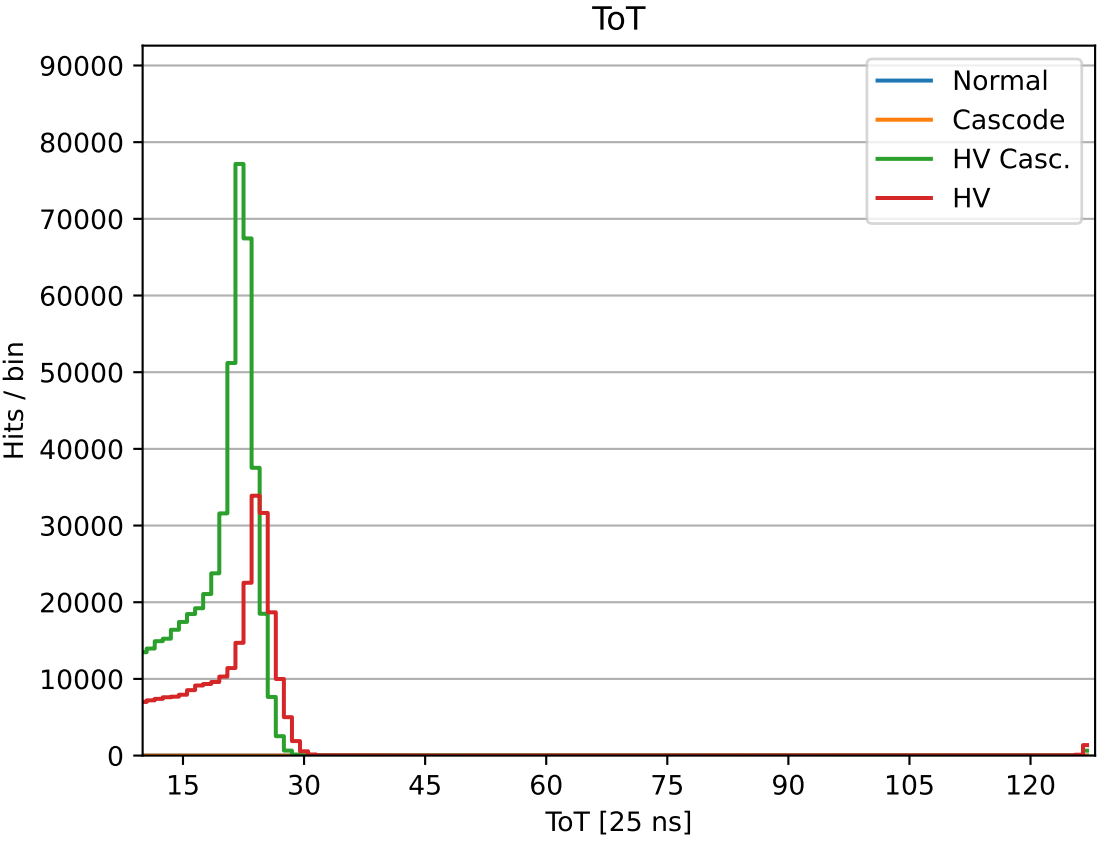
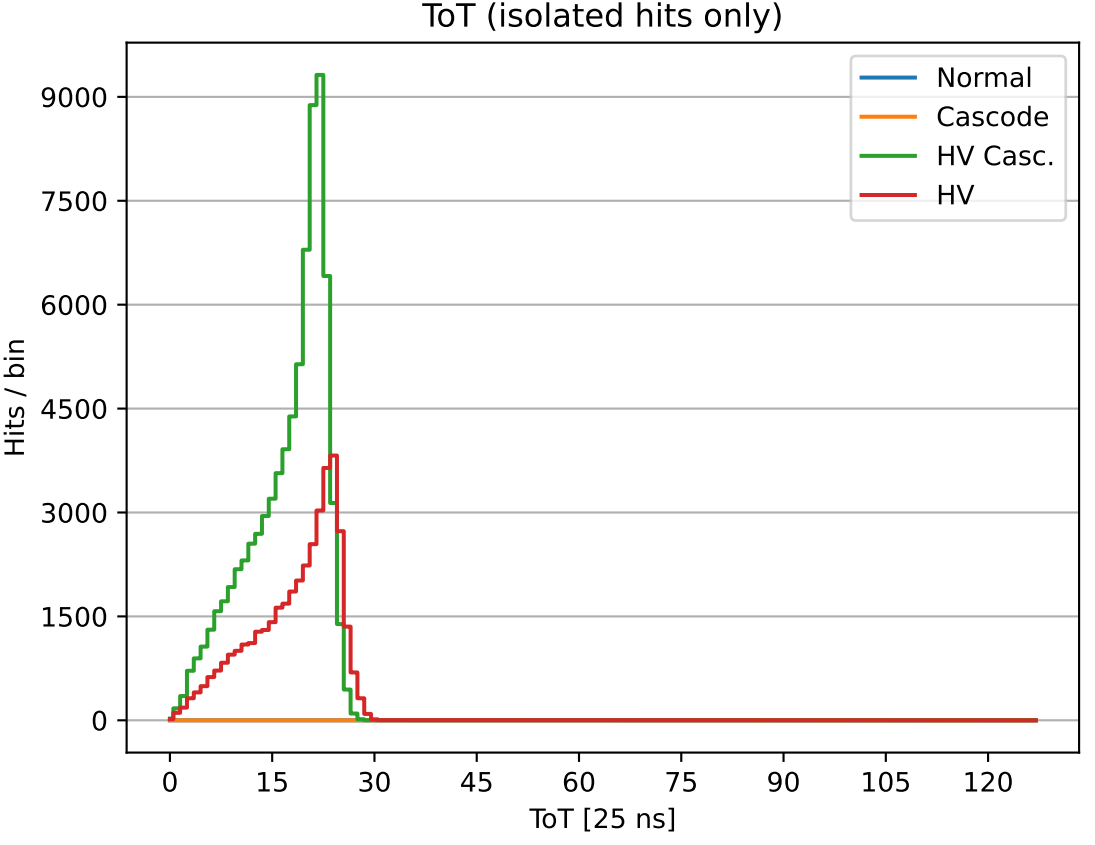
/home/labb2/tj-monopix2-daq/tjmonopix2/scans/output_data/module_0/chip_0/20221011_110840_source_scan_interpreted.h5
Chip = W14R12
Script version = 2da00e2

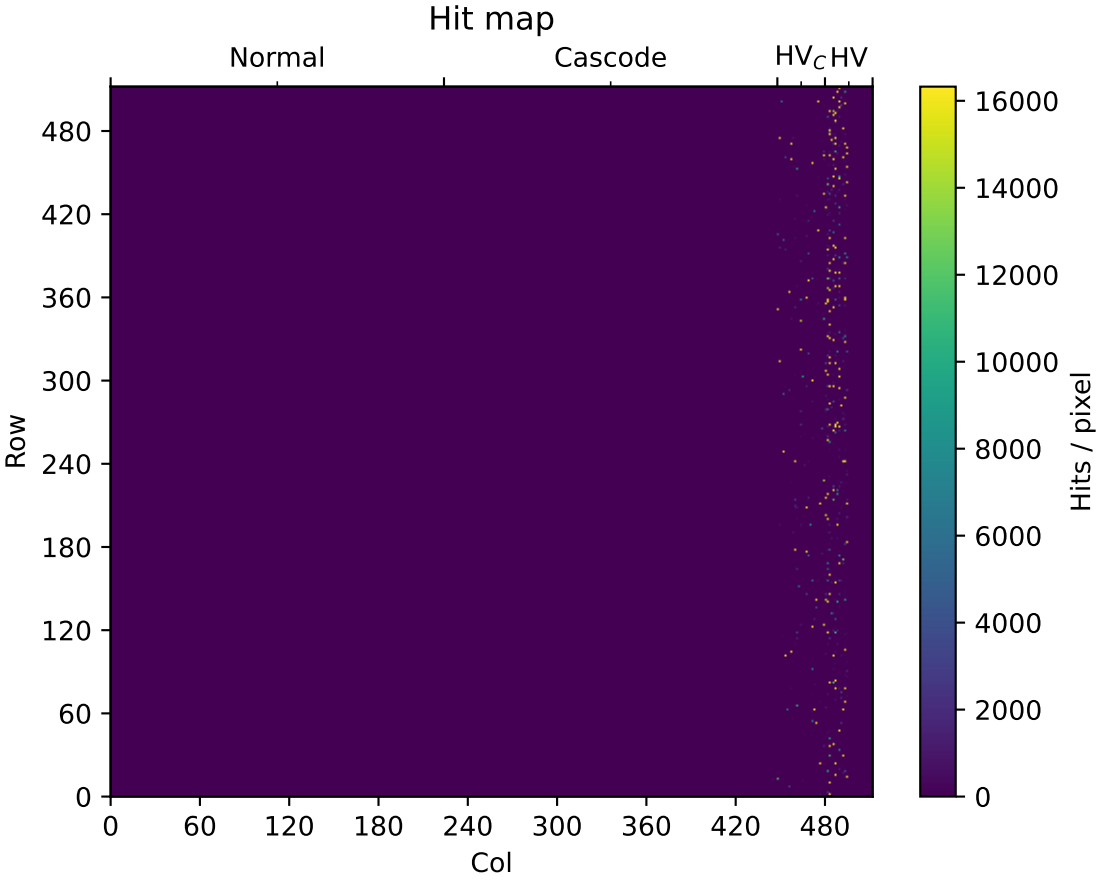
IBIAS = None, ITHR = None, ICASN = None, IDB = None, ITUNE = None, VRESET = None, VCASP = None, VCASC = None, VCLIP = None, VL = None, VH = None, ICOMP = None, IDEL = None, IRAM = None

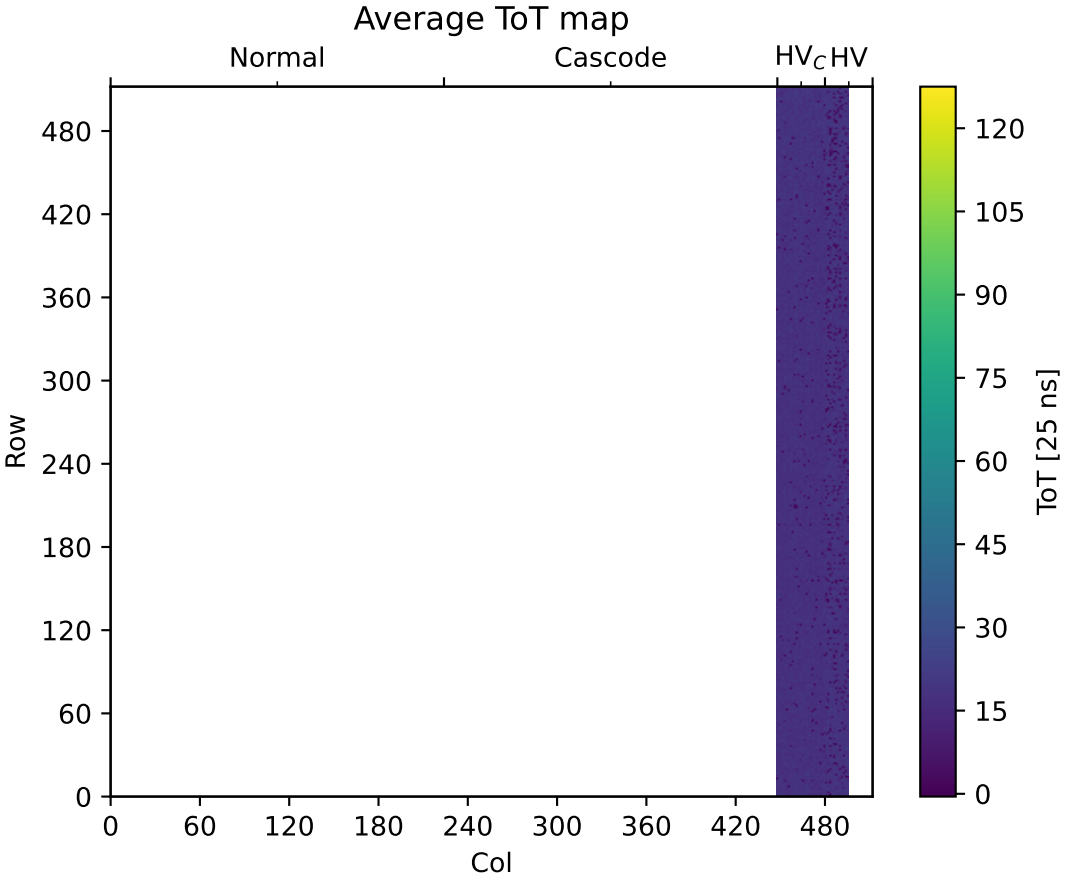
source_scan
start_column = 448, stop_column = 512, start_row = 0, stop_row = 512, scan_time = 9000

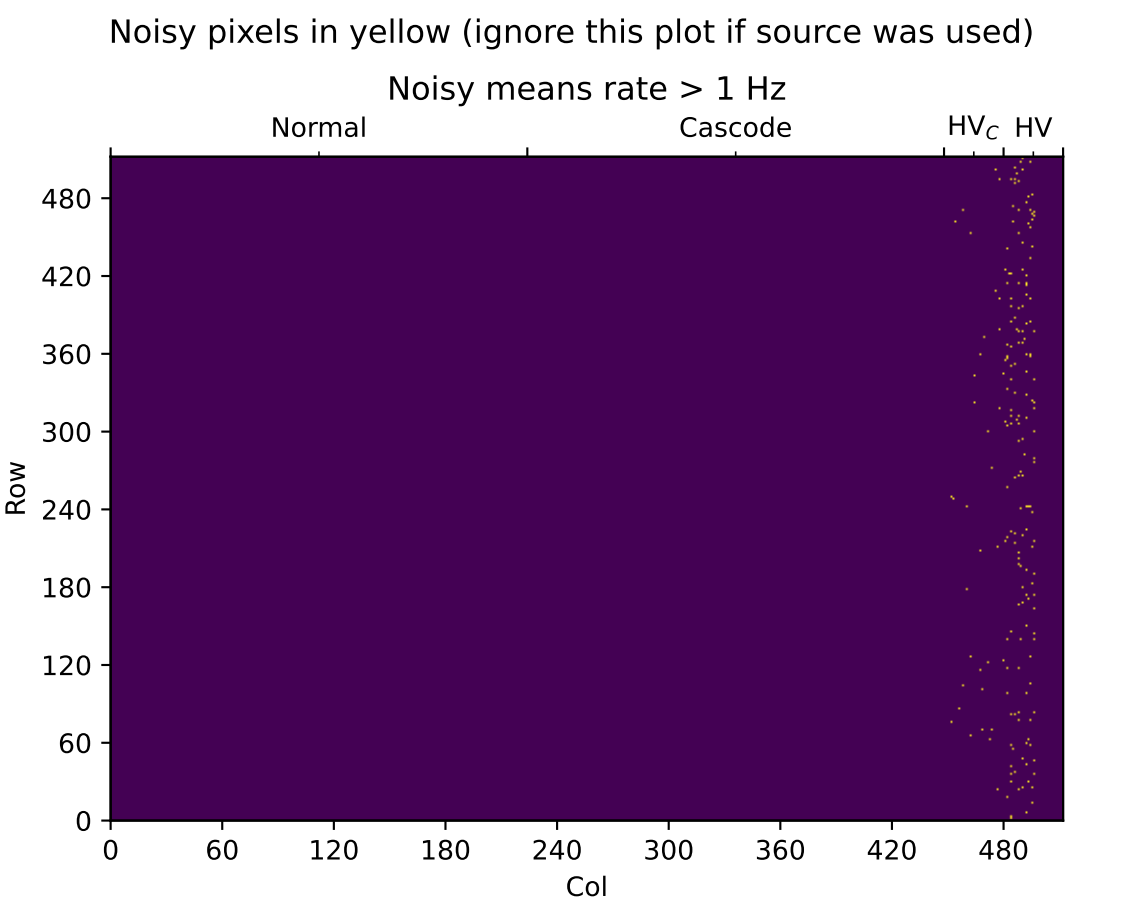

Hits per pixel
Normal
Cascode
HV Casc.
HV
Pixels / bin
0
2000
4000
6000
8000
10000
12000
14000
16000
Number of hits


ToT
Normal
Cascode
HV Casc.
HV
Hits / bin
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
15
30
45
60
75
90
105
120
ToT [25 ns]

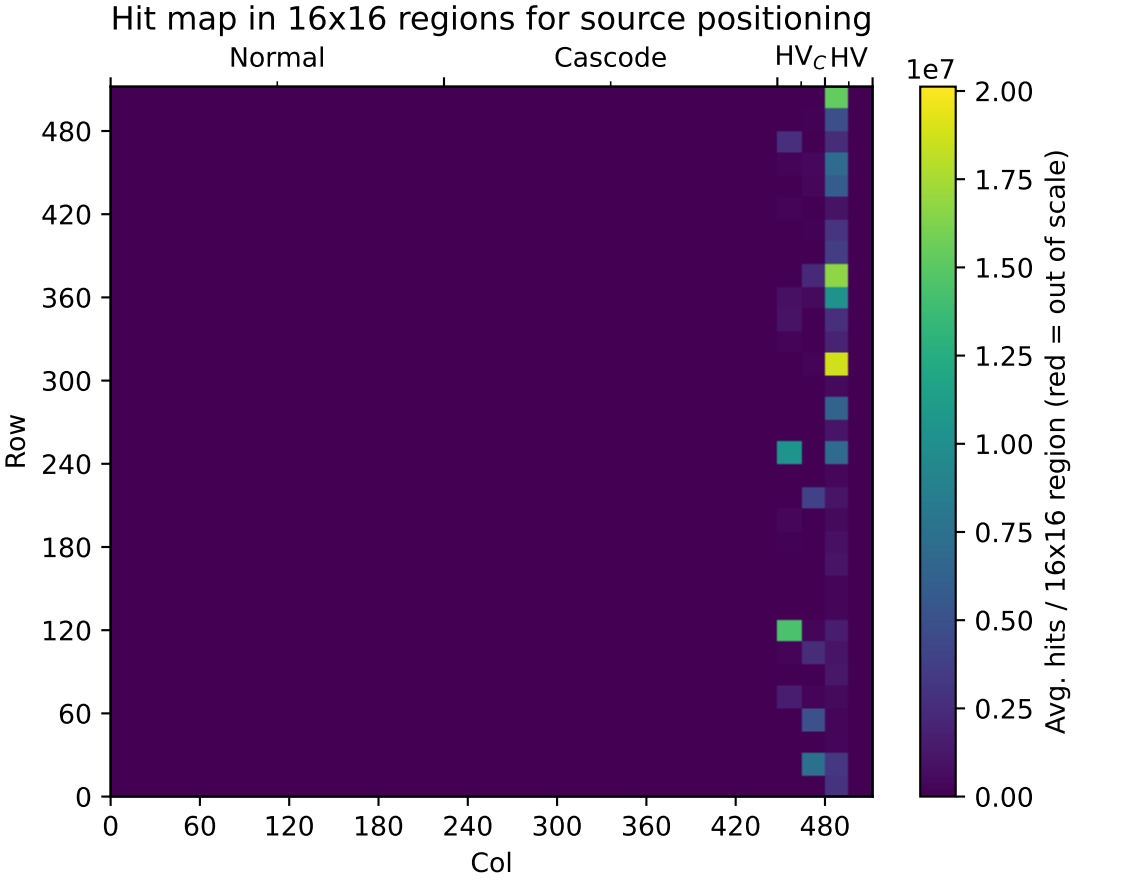

ToT (isolated hits only)
Normal
Cascode
HV Casc.
HV
Hits / bin
9000
7500
6000
4500
3000
1500
0
0
15
30
45
60
75
90
105
120
ToT [25 ns]


Hit map
Normal
Cascode
HV$_C$
HV
Row
Col
Hits / pixel
0
60
120
180
240
300
360
420
480
0
2000
4000
6000
8000
10000
12000
14000
16000


Average ToT map
Normal
Cascode
HV_C HV
Row
Col
ToT [25 ns]
0
60
120
180
240
300
360
420
480
0
15
30
45
60
75
90
105
120


Noisy pixels in yellow (ignore this plot if source was used)
Noisy means rate > 1 Hz
Normal
Cascode
HV$_C$
HV
Row
Col
0
60
120
180
240
300
360
420
480

(487, 452) = 284, (468, 101) = 277, (483, 2) = 275, (469, 372) = 258
(481, 394) = 200, (451, 76) = 172, (495, 318) = 166, (494, 482) = 148
(489, 510) = 144, (487, 395) = 143, (481, 118) = 138, (483, 402) = 135
(483, 340) = 131, (483, 477) = 118, (448, 351) = 106, (491, 342) = 94.8
(483, 160) = 93.5, (456, 363) = 90.8, (481, 257) = 90.6, (489, 308) = 87.6
(485, 440) = 80, (495, 279) = 79, (484, 461) = 78.6, (480, 83) = 72.7
(494, 183) = 67.1, (495, 466) = 64.8, (491, 414) = 62.4, (491, 437) = 61.3
(493, 407) = 60.2, (487, 377) = 58.1, (489, 501) = 57.1, (467, 359) = 56.1
(491, 328) = 55.8, (481, 98) = 54.4, (483, 330) = 51.4, (495, 340) = 49.7
(486, 309) = 48.9, (495, 322) = 44.2, (494, 14) = 42.8, (487, 306) = 41.4
(493, 402) = 41, (480, 424) = 40.3, (479, 434) = 36.4, (485, 234) = 36.4
(471, 456) = 36.1, (491, 422) = 35.8, (481, 200) = 35.8, (451, 194) = 34.4
(487, 78) = 33.4, (491, 240) = 32.8, (483, 223) = 31.3, (483, 312) = 30.6
(489, 377) = 30.6, (481, 332) = 29.3, (493, 106) = 29.1, (485, 221) = 28.3
(493, 499) = 28.2, (483, 82) = 27.5, (493, 470) = 27.2, (480, 215) = 27.1
(481, 108) = 26.2, (487, 312) = 23.3, (493, 457) = 22.8, (477, 318) = 22.2
(495, 274) = 20.9, (491, 120) = 20.5, (495, 276) = 20.1, (489, 302) = 19.8
(489, 396) = 19.7, (483, 365) = 19.4, (491, 412) = 19.2, (483, 146) = 18.5


Hit map in 16x16 regions for source positioning
Normal
Cascode
HV$_C$
HV
Row
Col
0
60
120
180
240
300
360
420
480
1e7
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Avg. hits / 16x16 region (red = out of scale)