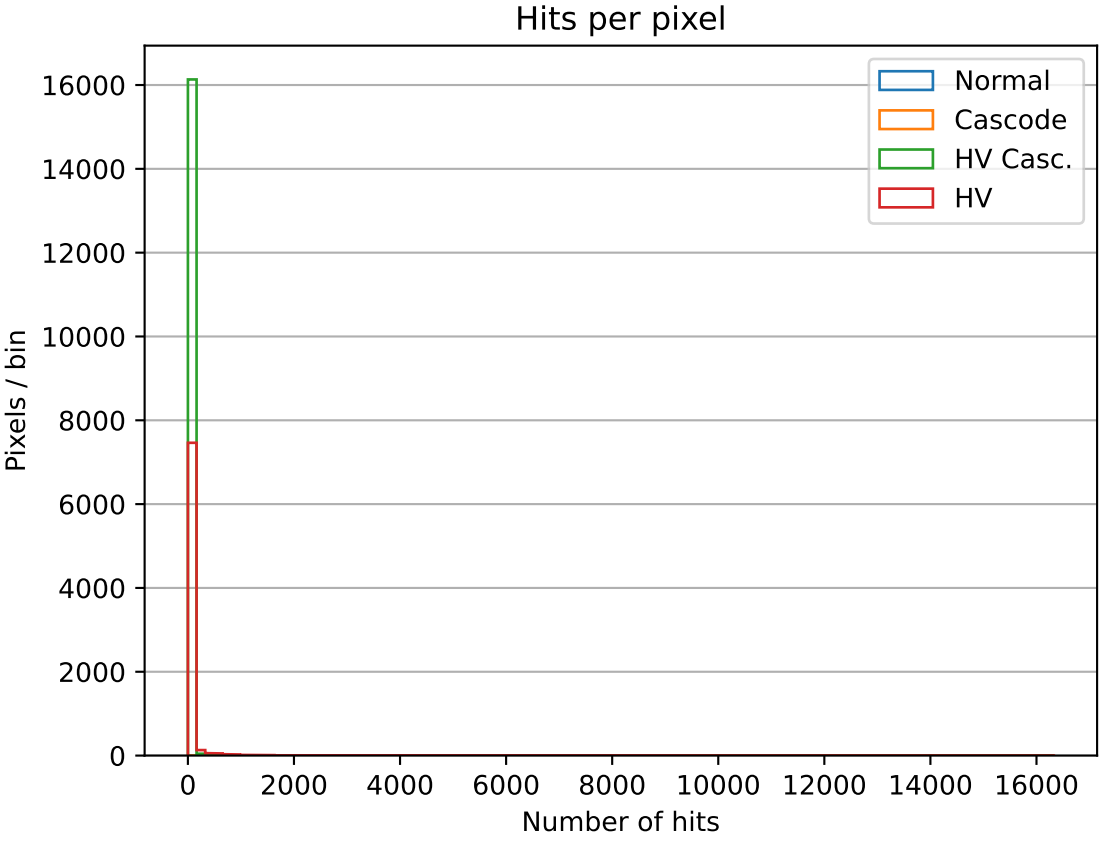
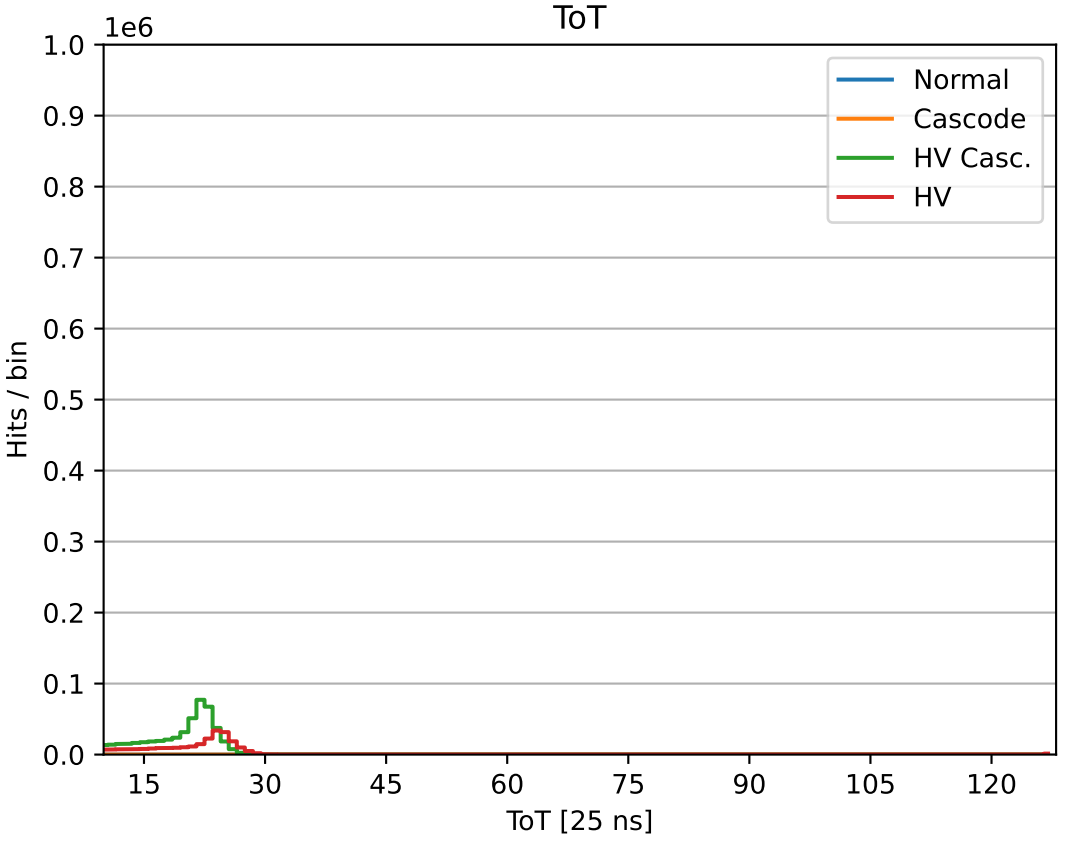
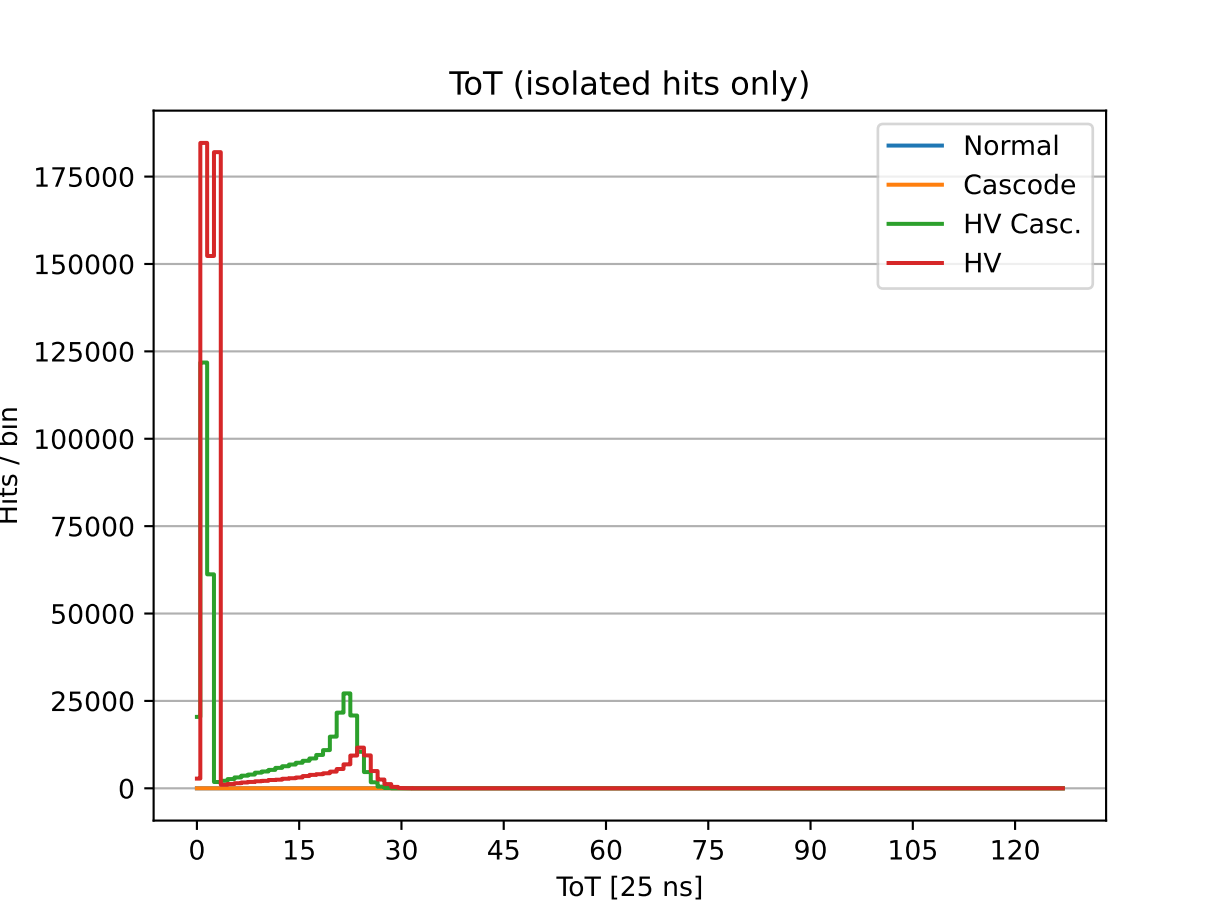
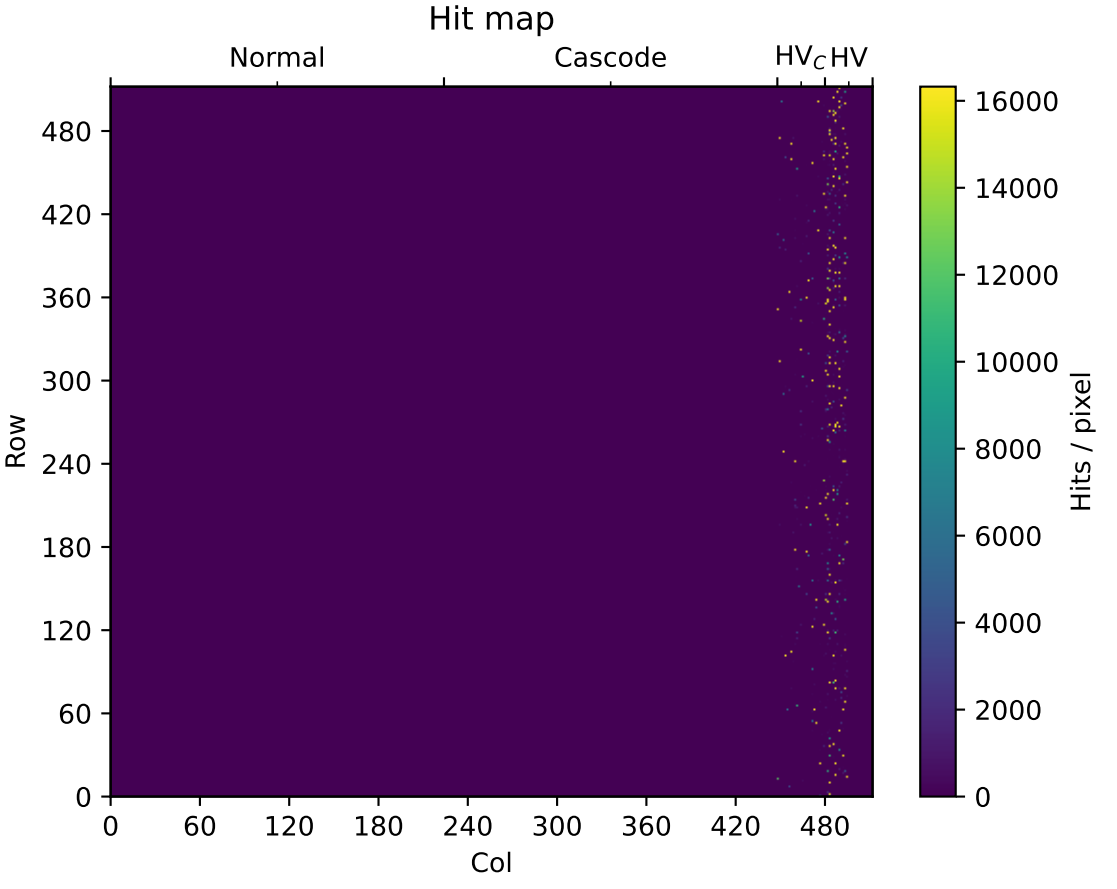
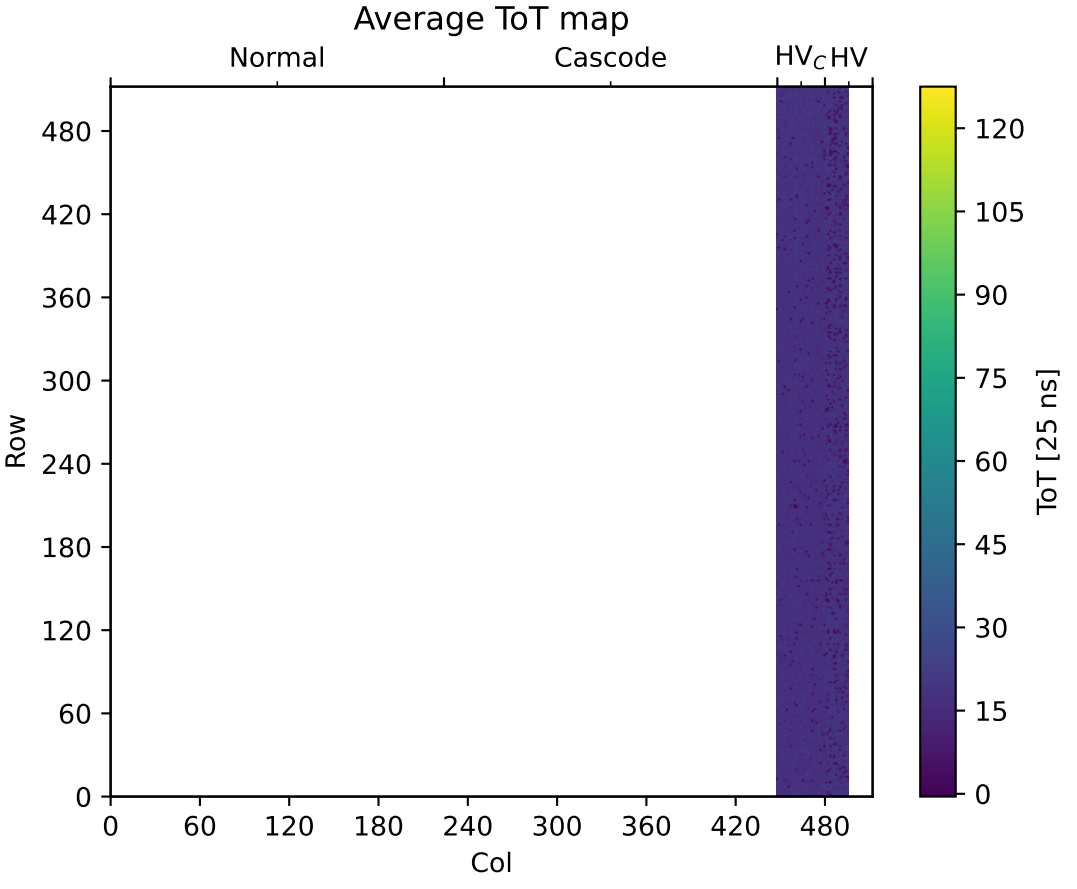
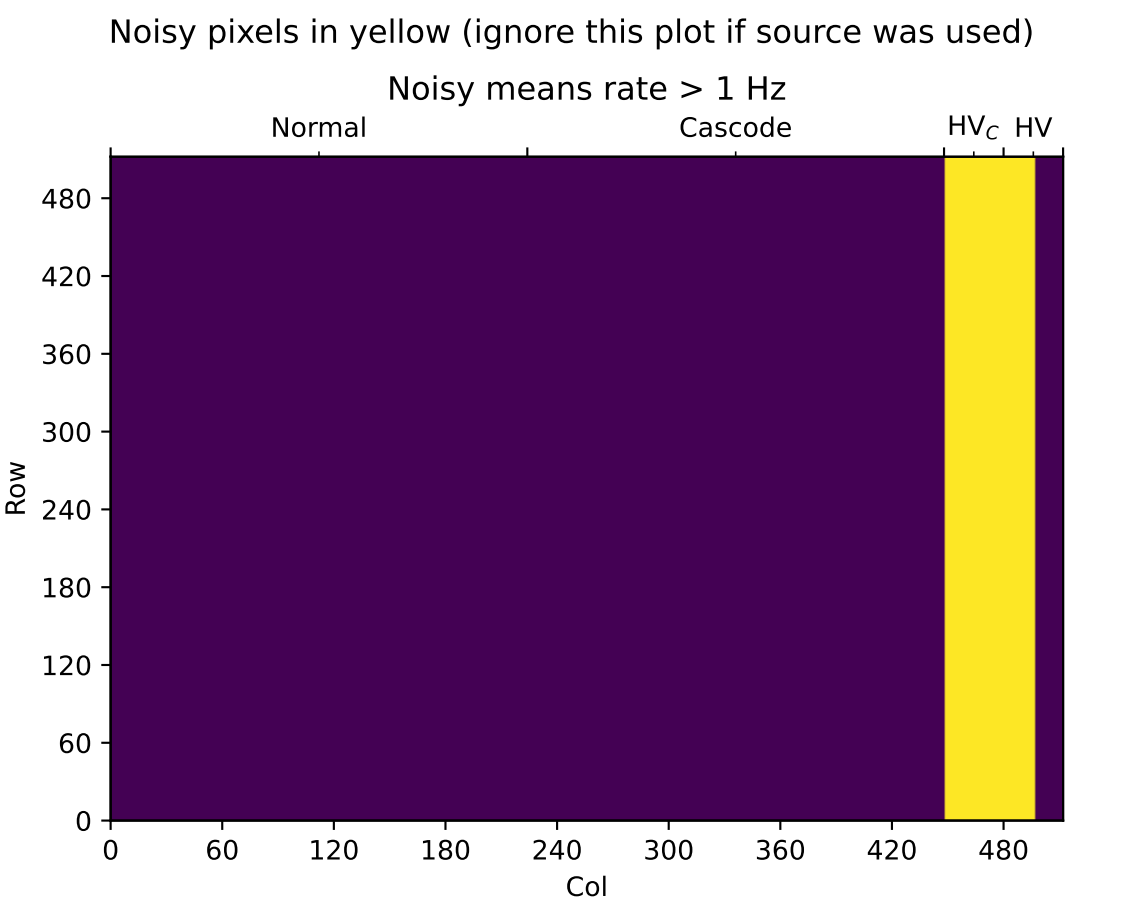

Hits per pixel
Normal
Cascode
HV Casc.
HV
Pixels / bin
0
2000
4000
6000
8000
10000
12000
14000
16000
Number of hits

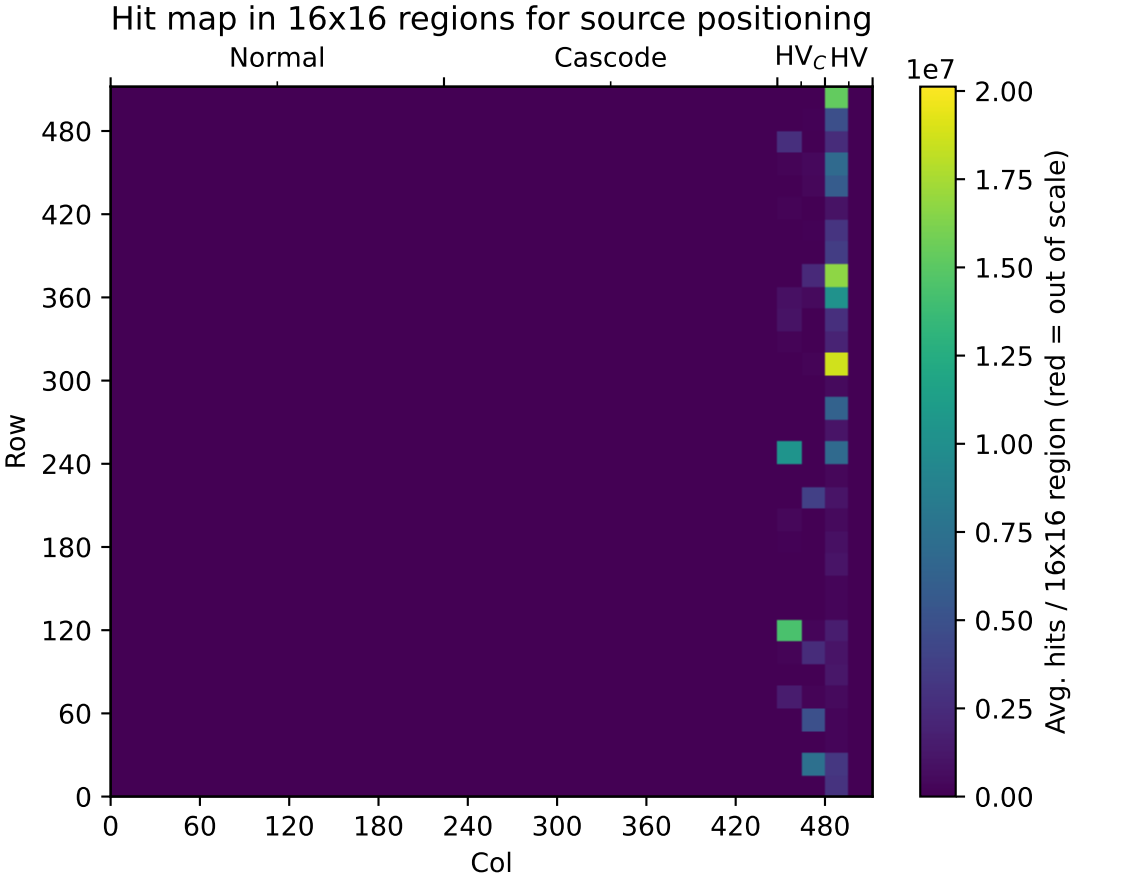

ToT
1e6
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Hits / bin
15
30
45
60
75
90
105
120
ToT [25 ns]
Normal
Cascode
HV Casc.
HV


ToT (isolated hits only)
Normal
Cascode
HV Casc.
HV
175000
150000
125000
100000
75000
50000
25000
0
Hits / bin
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


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)