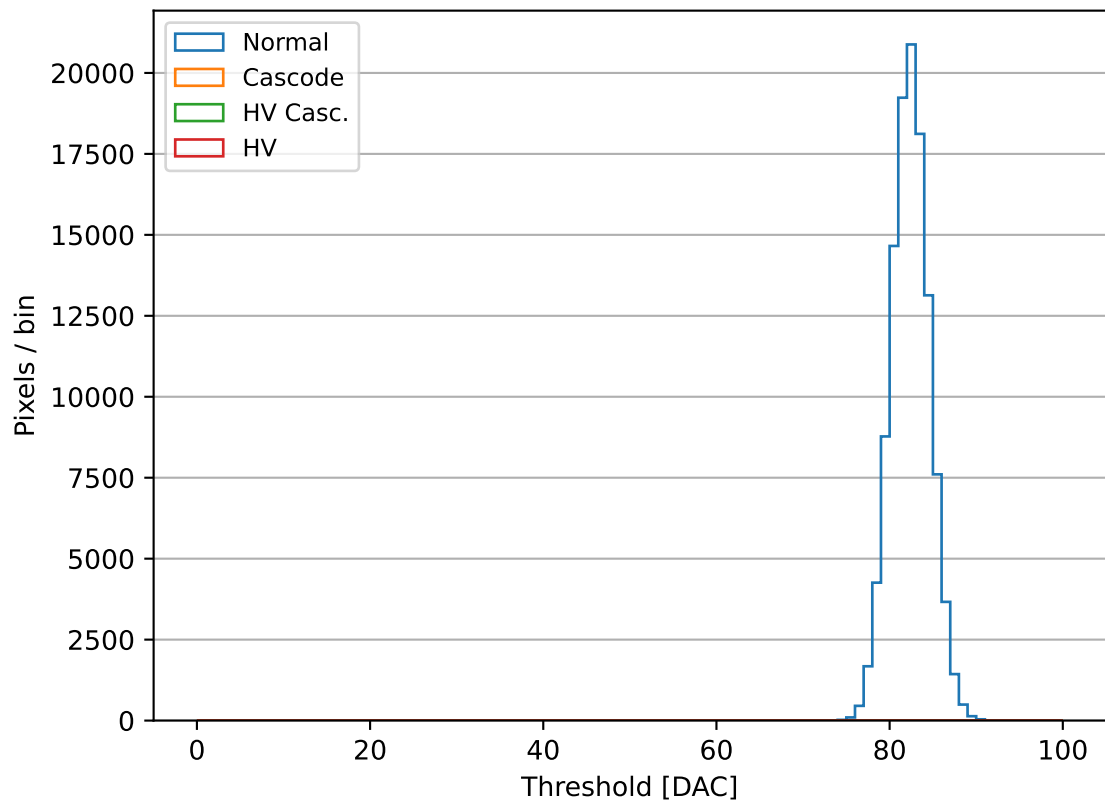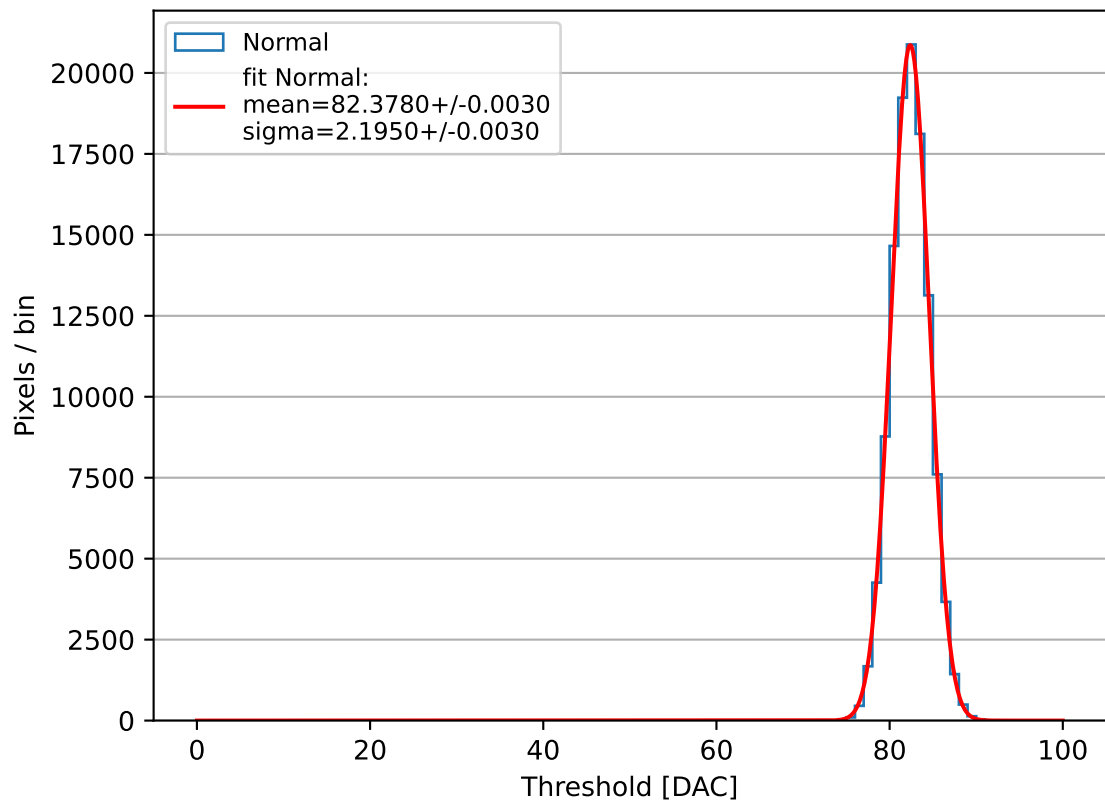This file was generated by joining the following

20221010_095045_threshold_scan_interpreted_scurve.npz
20221010_103218_threshold_scan_interpreted_scurve.npz
20221010_110437_threshold_scan_interpreted_scurve.npz
20221010_113632_threshold_scan_interpreted_scurve.npz
20221010_120816_threshold_scan_interpreted_scurve.npz
20221010_153643_threshold_scan_interpreted_scurve.npz
20221010_160802_threshold_scan_interpreted_scurve.npz
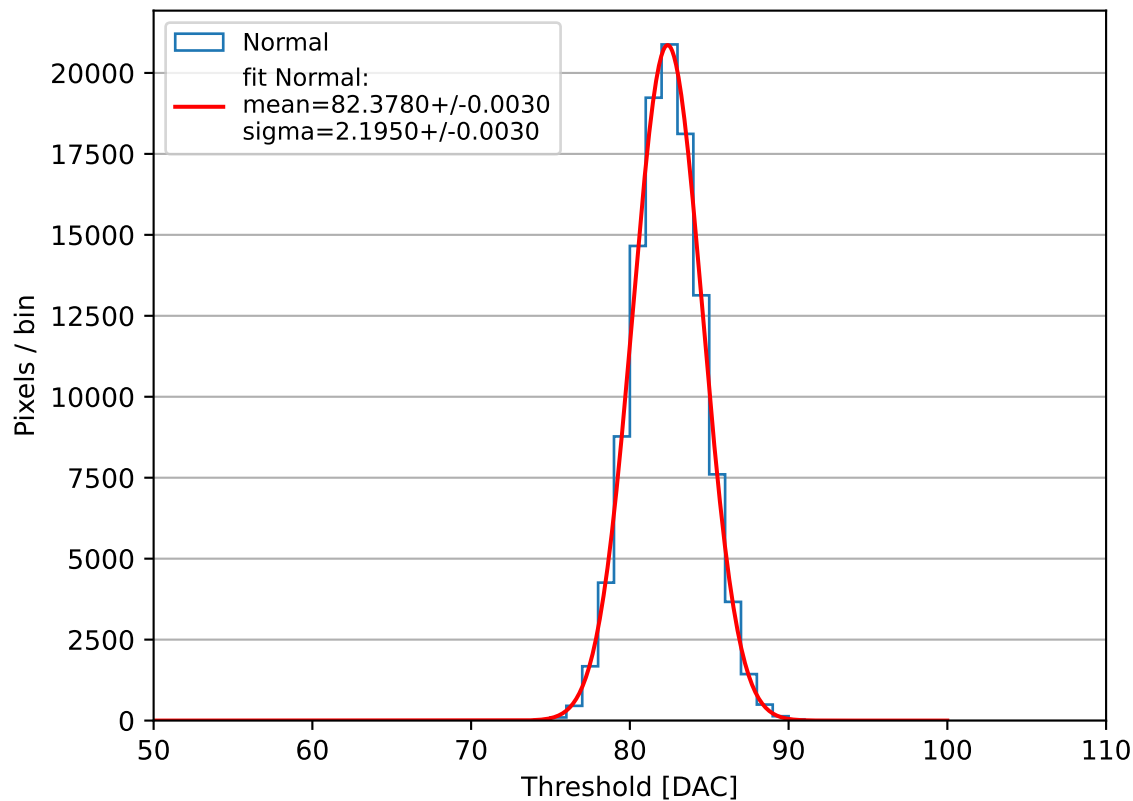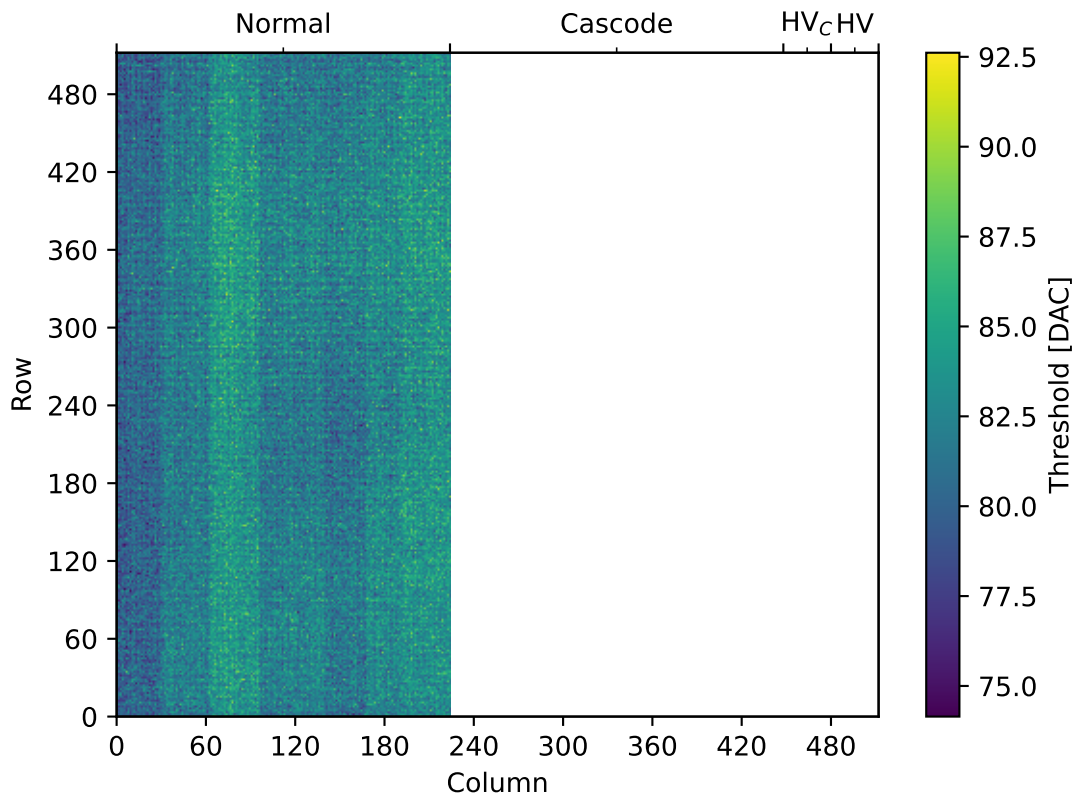20221010_163907_threshold_scan_interpreted_scurve.npz

Threshold distribution
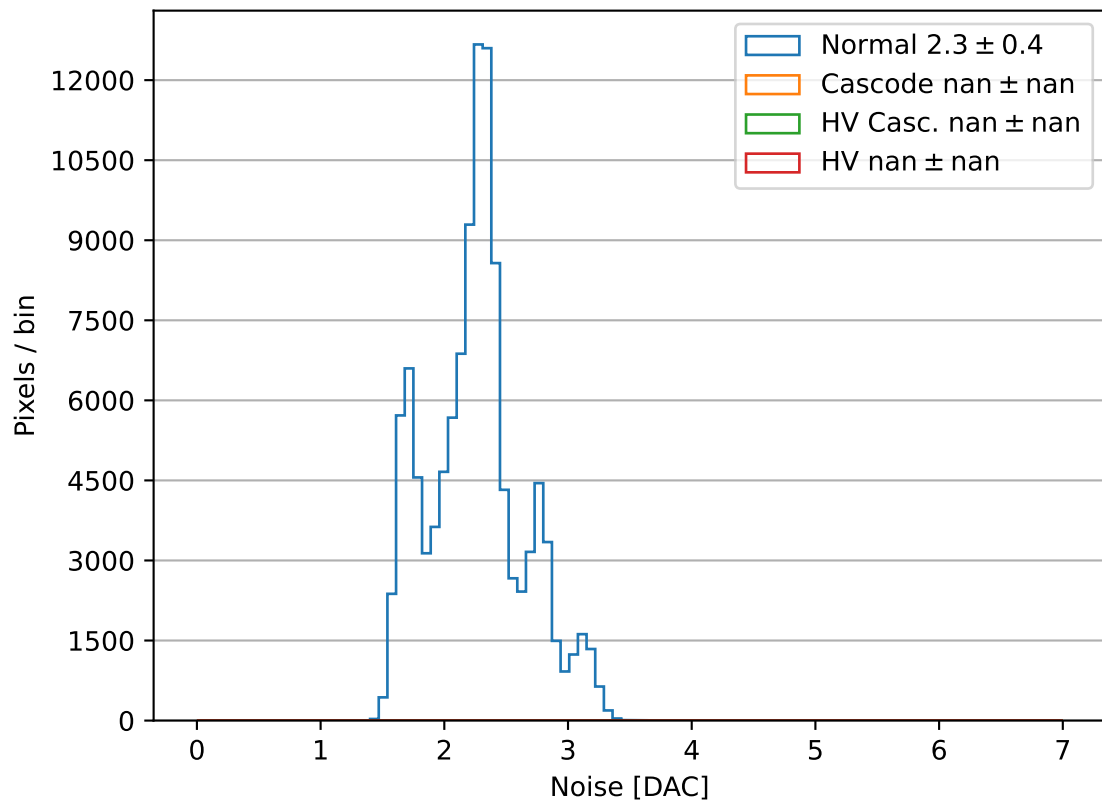
Threshold distribution

Legend:
- Normal
- fit Normal:
  mean=82.3780+/-0.0030
  sigma=2.1950+/-0.0030

X-axis: Threshold [DAC]
Y-axis: Pixels / bin
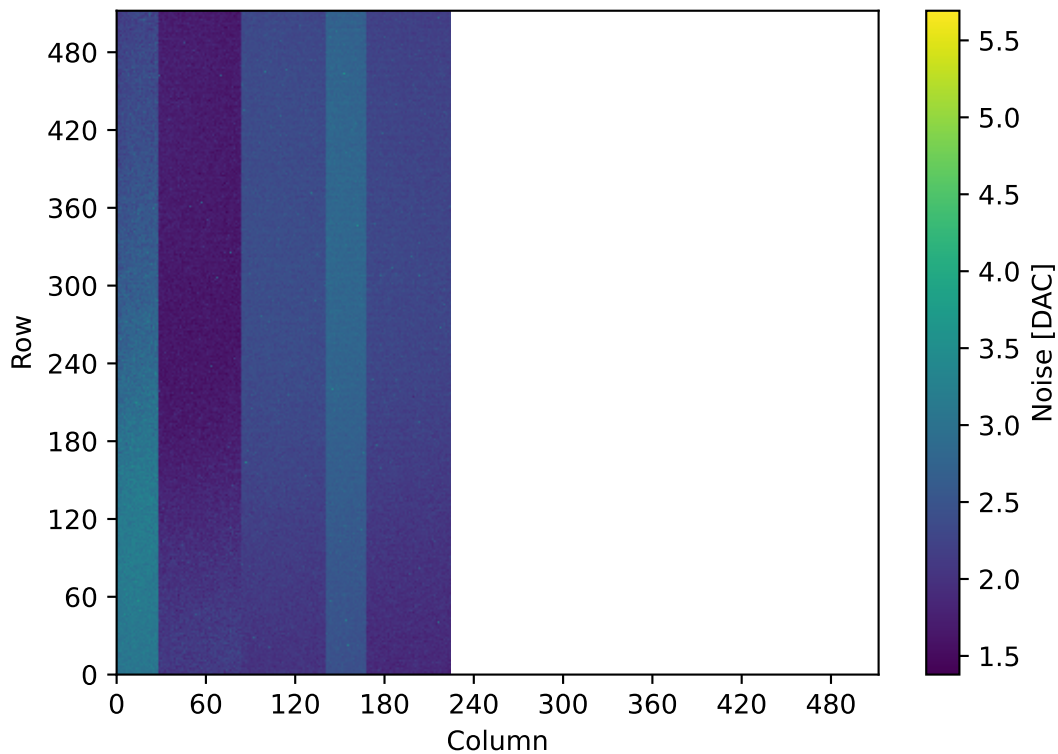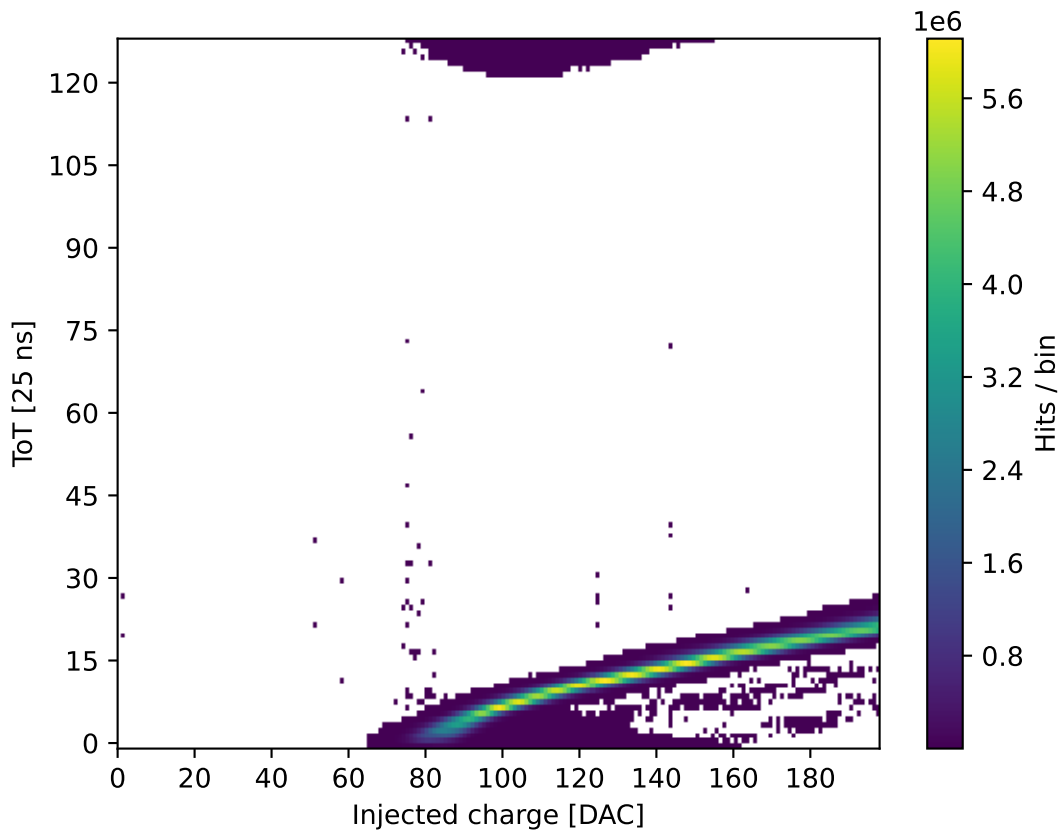
Threshold distribution

Threshold map

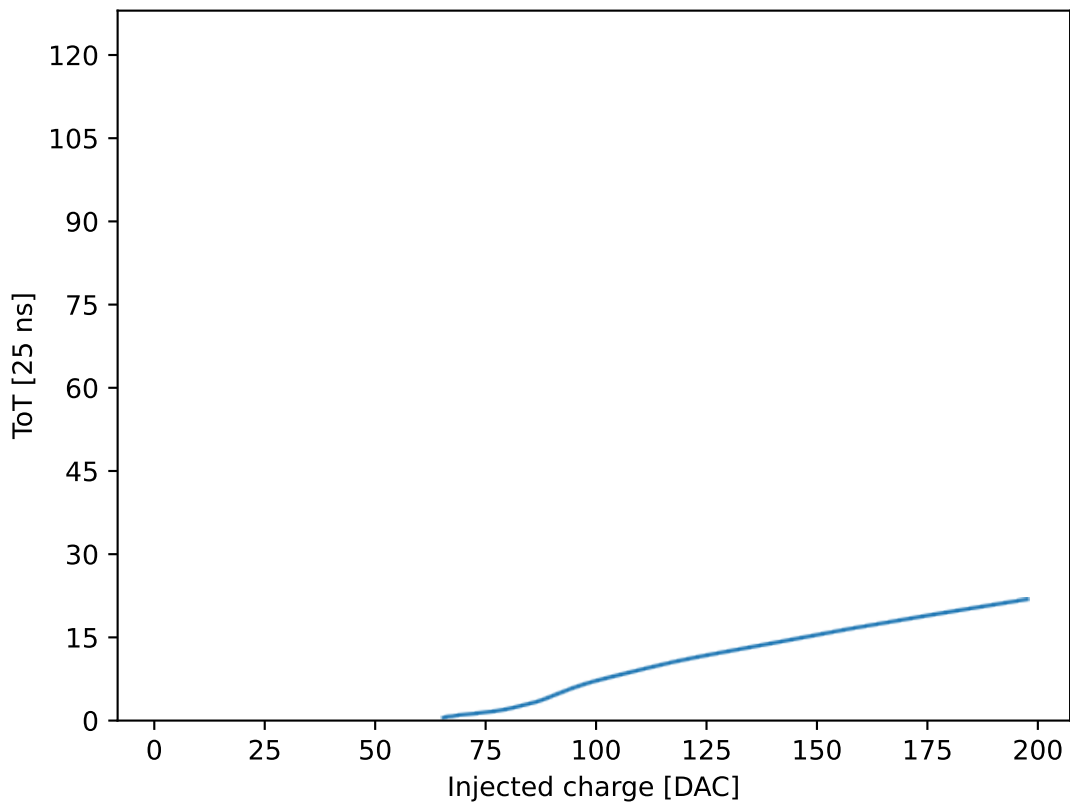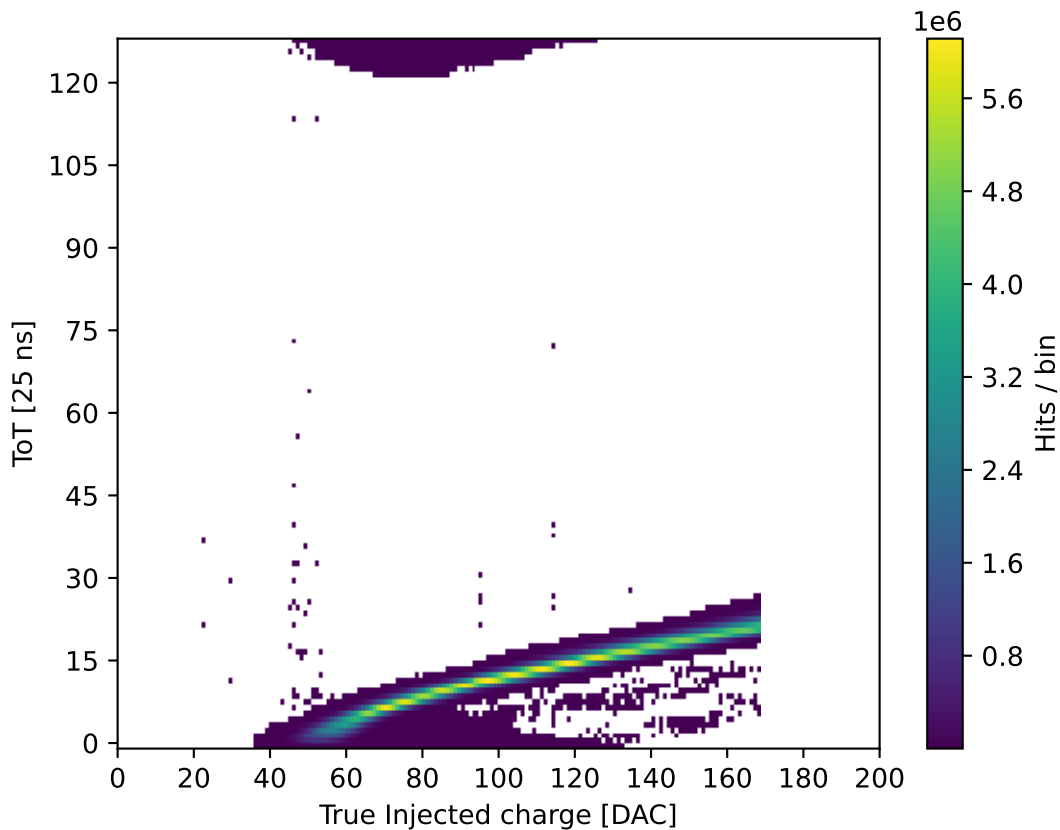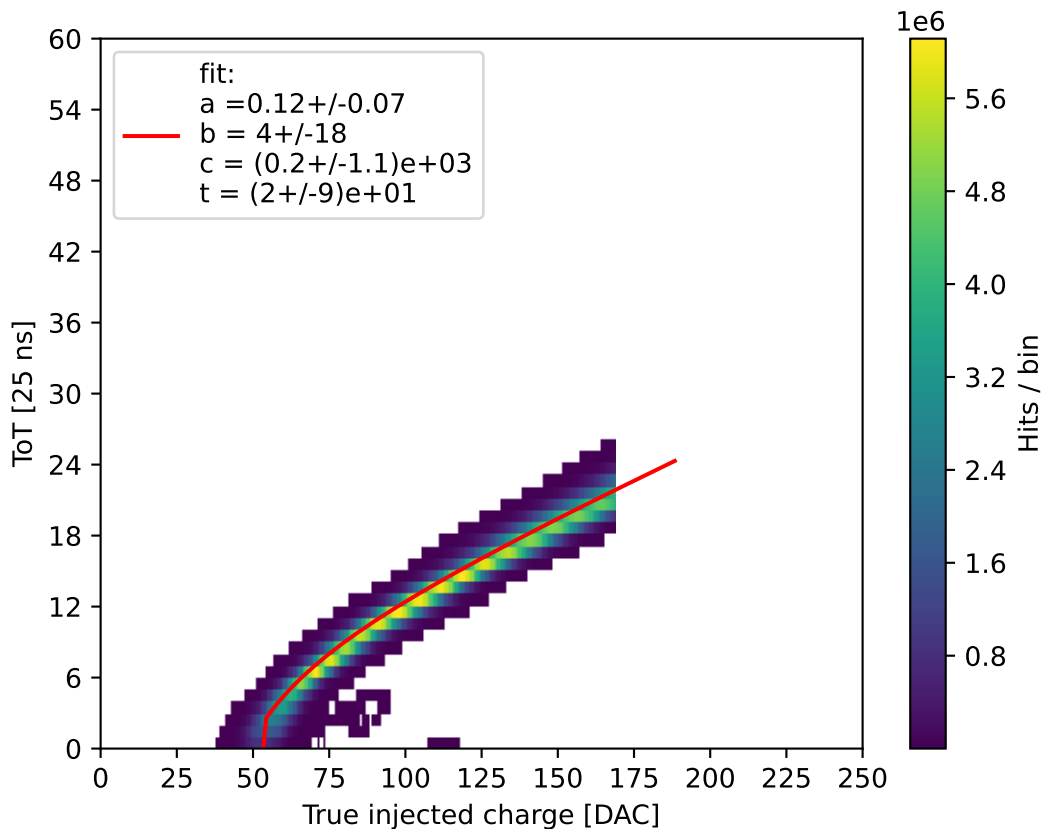Noise (width of s-curve slope) distribution

Noise (width of s-curve slope) map

ToT curve (Normal)

ToT curve (Normal)

ToT curve (Normal)

ToT curve (Normal)

fit:
a = 0.12+/-0.07
b = 4+/-18
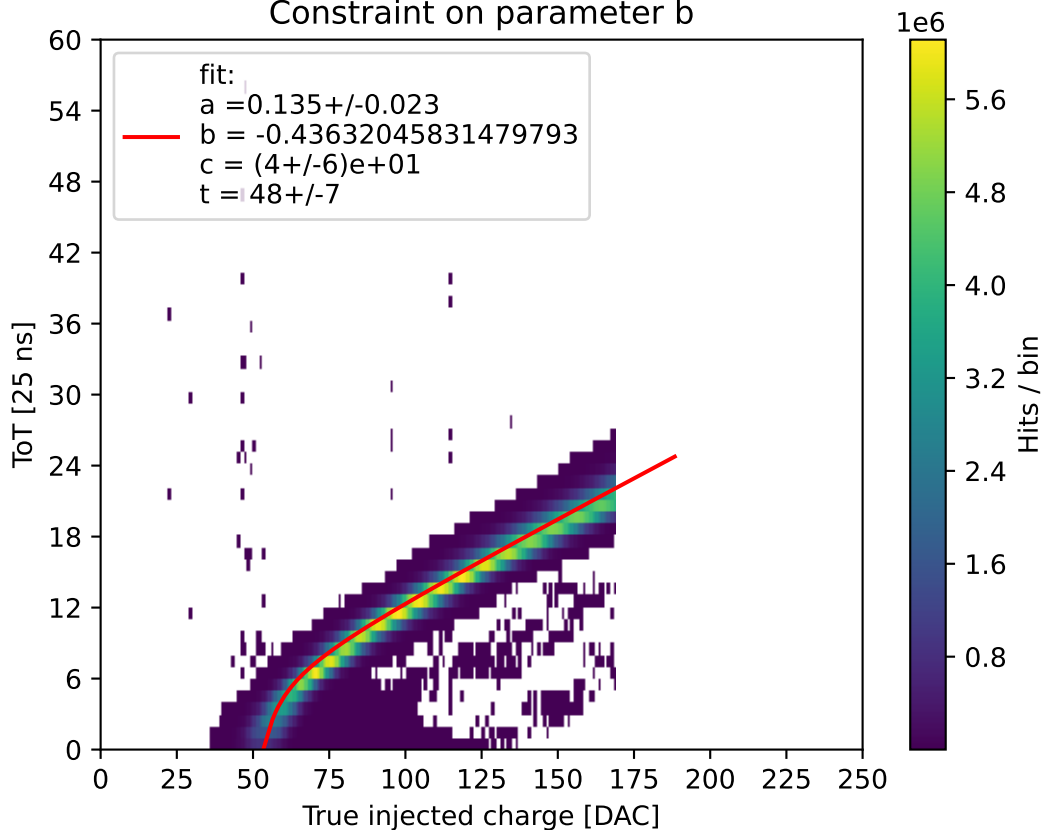c = (0.2+/-1.1)e+03
t = (2+/-9)e+01

ToT curve fit (Normal)

Constraint on parameter a

fit:
a = 0.13529146788859223
b = -0+/-4
c = (4+/-6)e+01
t = 48+/-7

ToT curve fit (Normal)

Constraint on parameter b

fit:
a = 0.135+/-0.023
b = -0.43632045831479793
c = (4+/-6)e+01
t = 48+/-7

ToT curve fit (Normal)

Constraint on parameter c

fit:
a = 0.135+/-0.023
b = -0+/-4
c = 40.49506455386323
t = 48+/-7

ToT curve fit (Normal)

Constraint on parameter t

fit:
a = 0.135 +/- 0.023
b = -0 +/- 4
c = (4 +/- 6)e+01
t = 47.679546354233835

S-Curve (Normal)