This is a tpx3-daq NoiseScan for chip W15-G6.
Run name: NoiseScan_2025-12-04_14-41-45

| Parameter | Value |
|---|---|
| Ibias_CP_PLL | 128 |
| Ibias_DiscS2_OFF | 8 |
| Ibias_PixelDAC | 100 |
| Ibias_TPbufferIn | 128 |
| Sense_DAC | 29 |
| VTP_fine | 300 |
| Vthreshold_fine | 383 |
| shutter | 0.01 |

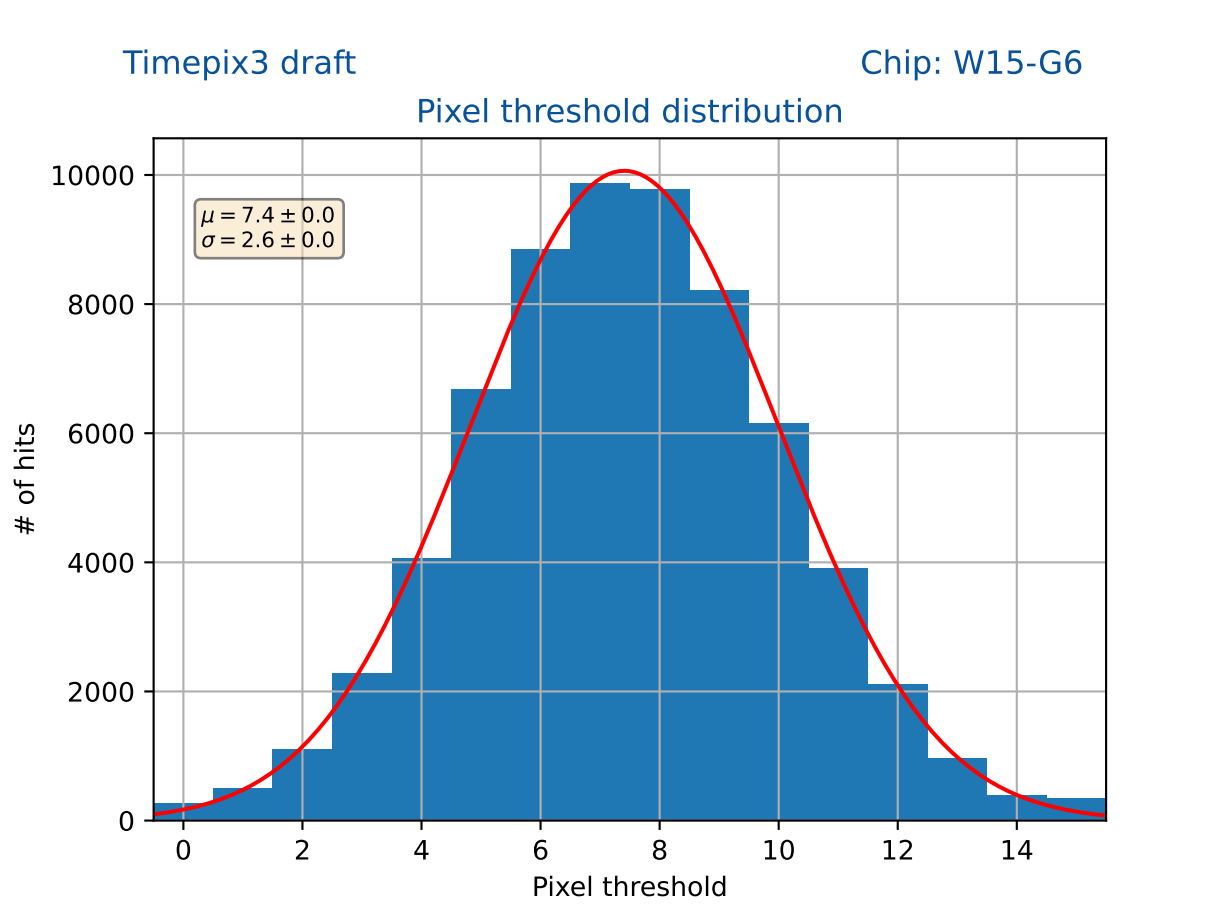
| Parameter | Value |
|---|---|
| Ibias_DiscS1_OFF | 8 |
| Ibias_DiscS2_ON | 128 |
| Ibias_Preamp_OFF | 8 |
| Ibias_TPbufferOut | 128 |
| VPreamp_NCAS | 128 |
| Vfbk | 132 |
| Vthreshold_start | 1390 |
| | |

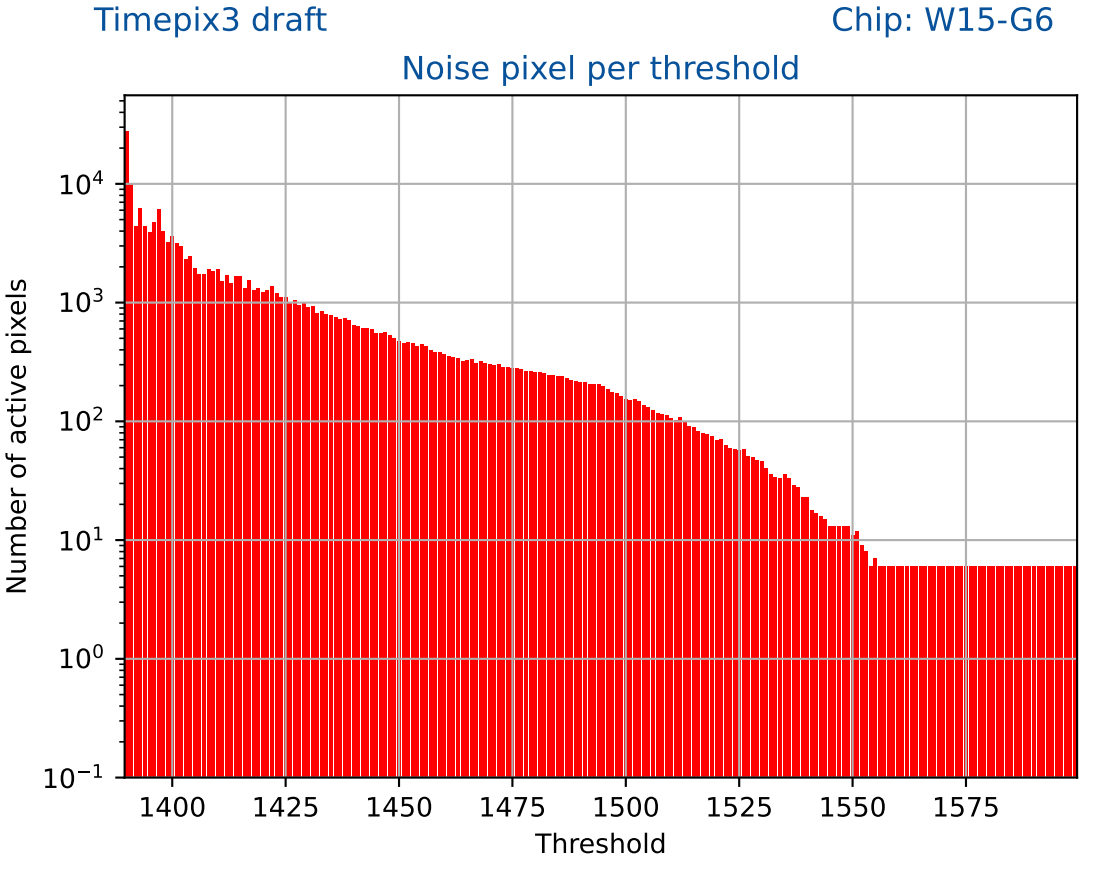
| Parameter | Value |
|---|---|
| Ibias_DiscS1_ON | 100 |
| Ibias_Ikrum | 3 |
| Ibias_Preamp_ON | 150 |
| PLL_Vcntrl | 128 |
| VTP_coarse | 100 |
| Vthreshold_coarse | 6 |
| Vthreshold_stop | 1600 |
| | |

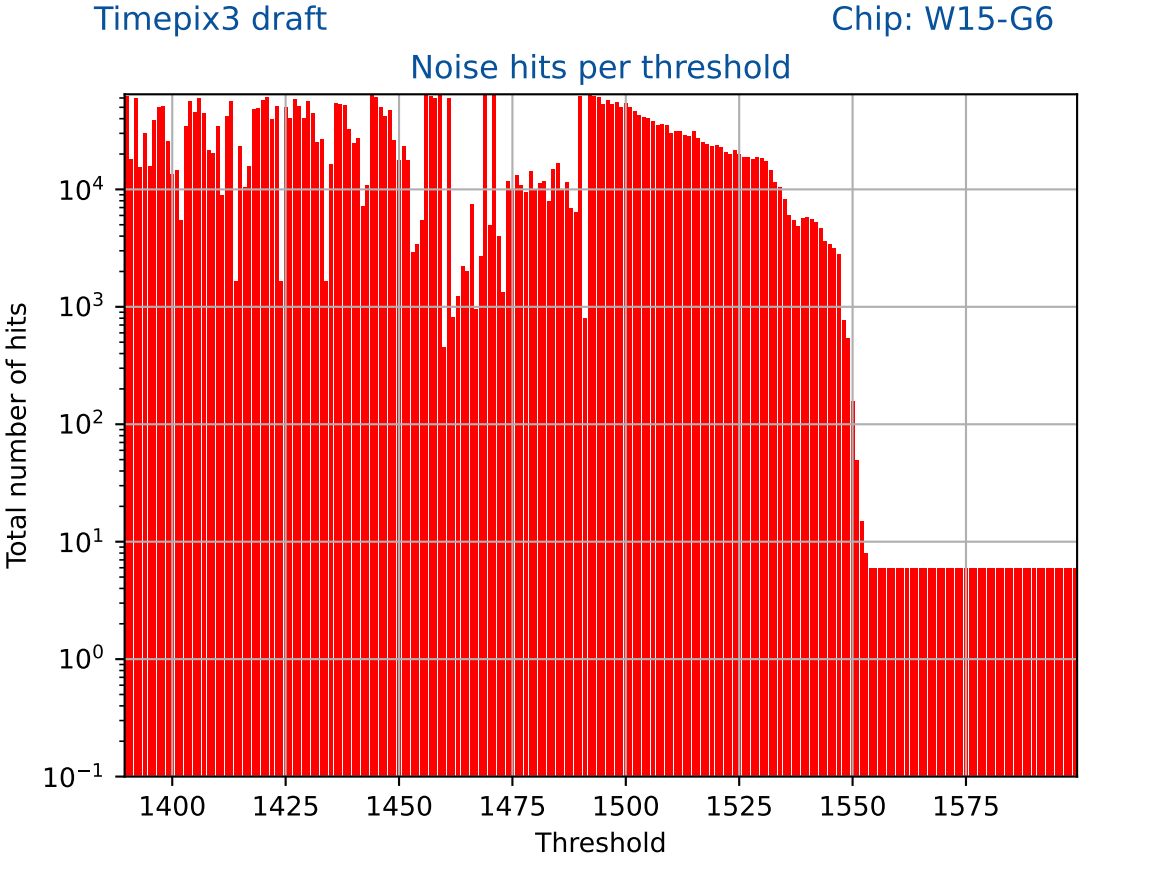
Software version: 0.9.0
Readout board: FECv6
Firmware version: 4

Have a good day!

Equalisation:
/home/ixpe_user/Timepix3/equalisations/W15-G6_equal-Bonn.h5
Maskfile:
/home/ixpe_user/Timepix3/masks/W15-G6_mask-Bonn.h5


Timepix3 draft
Chip: W15-G6
Pixel threshold distribution
$\mu = 7.4 \pm 0.0$
$\sigma = 2.6 \pm 0.0$
# of hits
Pixel threshold
0
2000
4000
6000
8000
10000
0
2
4
6
8
10
12
14


Timepix3 draft
Chip: W15-G6
Noise pixel per threshold
Number of active pixels
$10^{4}$
$10^{3}$
$10^{2}$
$10^{1}$
$10^{0}$
$10^{-1}$
1400
1425
1450
1475
1500
1525
1550
1575
Threshold


Timepix3 draft
Chip: W15-G6
Noise hits per threshold
Total number of hits
$10^{4}$
$10^{3}$
$10^{2}$
$10^{1}$
$10^{0}$
$10^{-1}$
1400
1425
1450
1475
1500
1525
1550
1575
Threshold