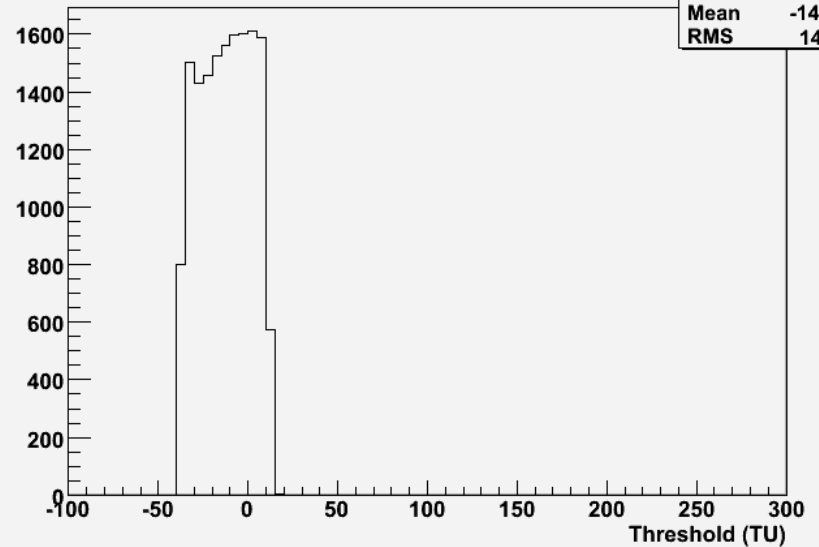

Tests on TPAC1.1

Paul Dauncey

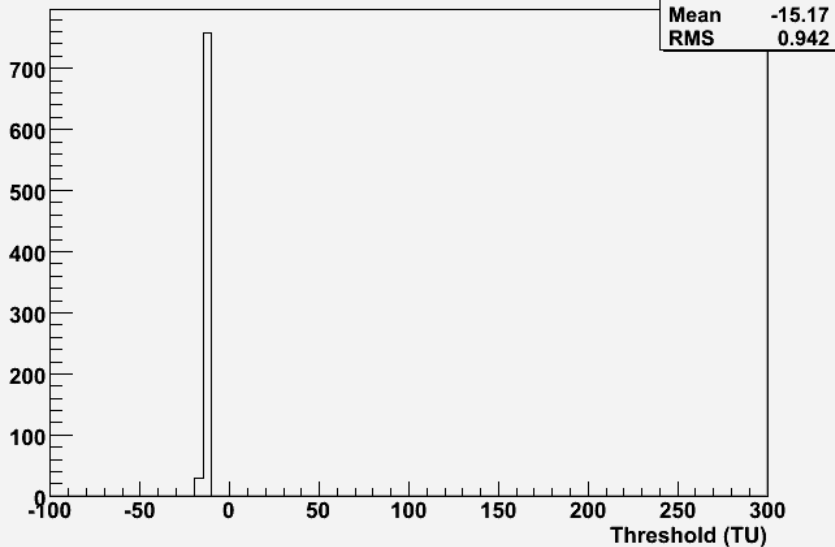
Pedestal/noise threshold scans

- Noise level varies significantly between pixels

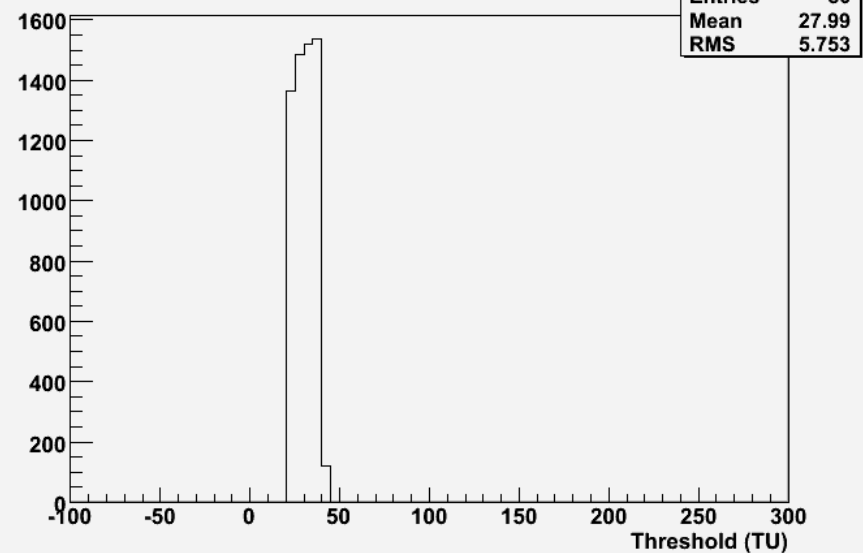
Run 477113, X 44, Y 0 vs Threshold (TU)



Run 477258, X 63, Y 83 vs Threshold (TU)

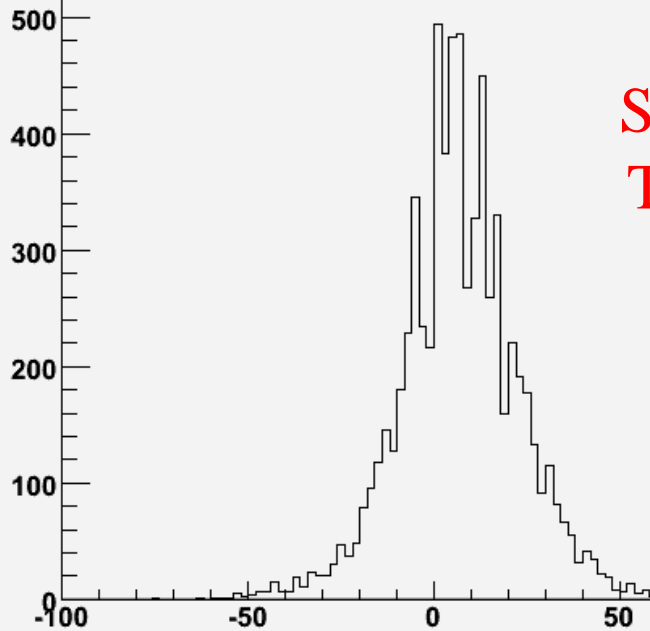


Run 477120, X 51, Y 0 vs Threshold (TU)



Pedestal and noise distributions

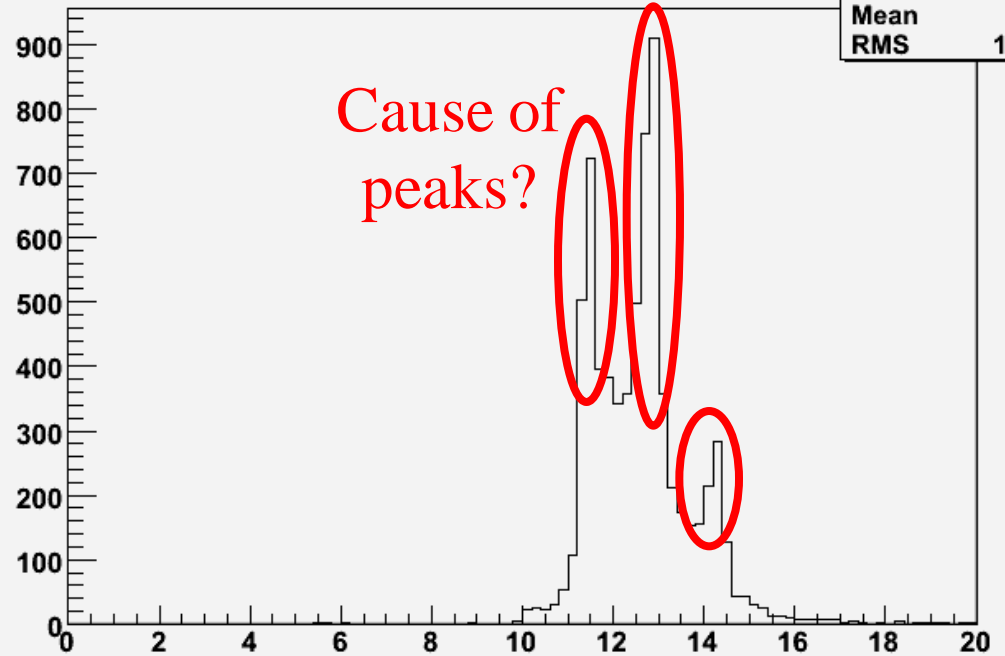
Trim0 Quad0 Means



Trim0Quad0Means	
Entries	7056
Mean	6.834
RMS	16.07

Similar to
TPAC1.0

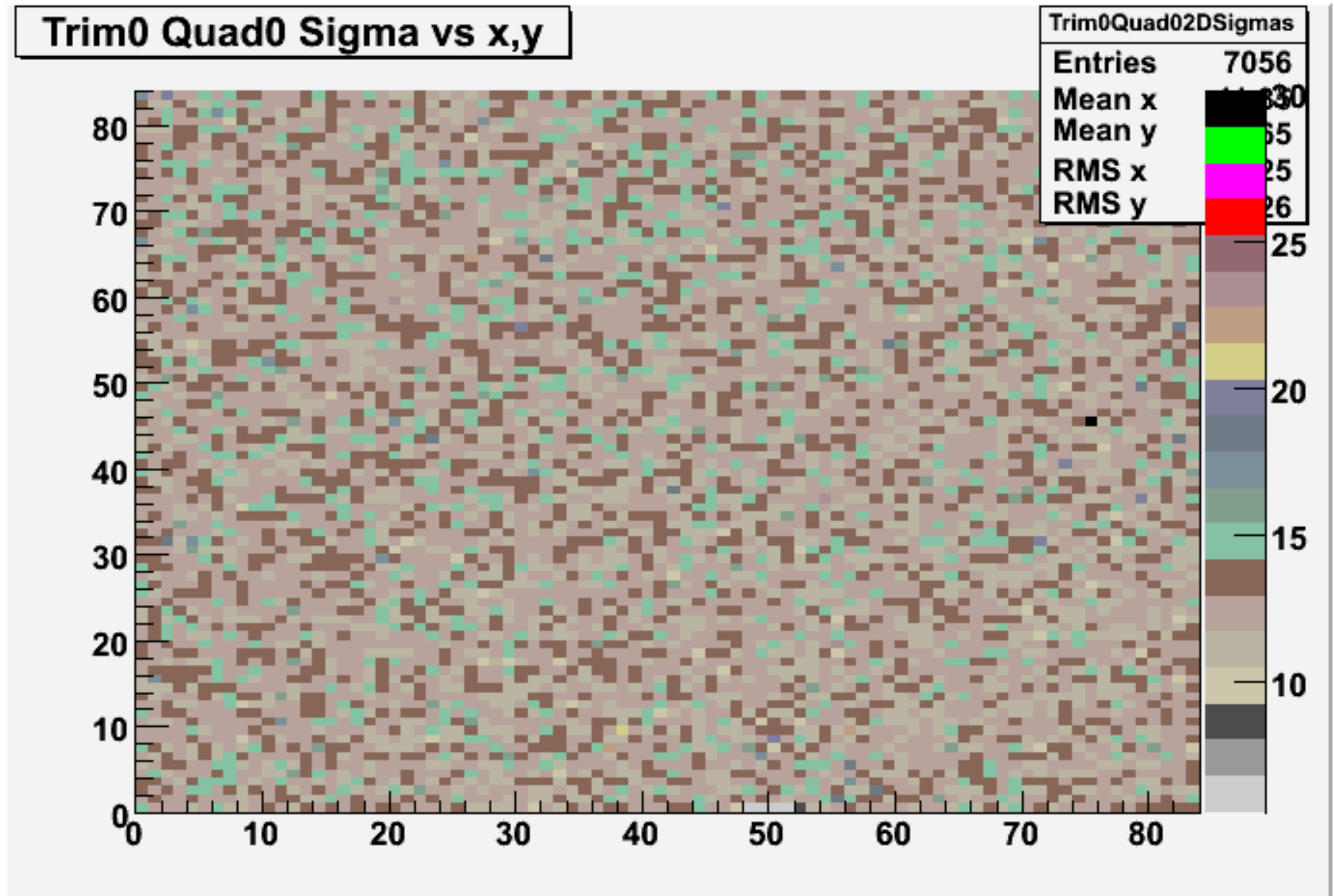
Trim0 Quad0 Sigmas



Trim0Quad0Sigmas	
Entries	7056
Mean	12.6
RMS	1.091

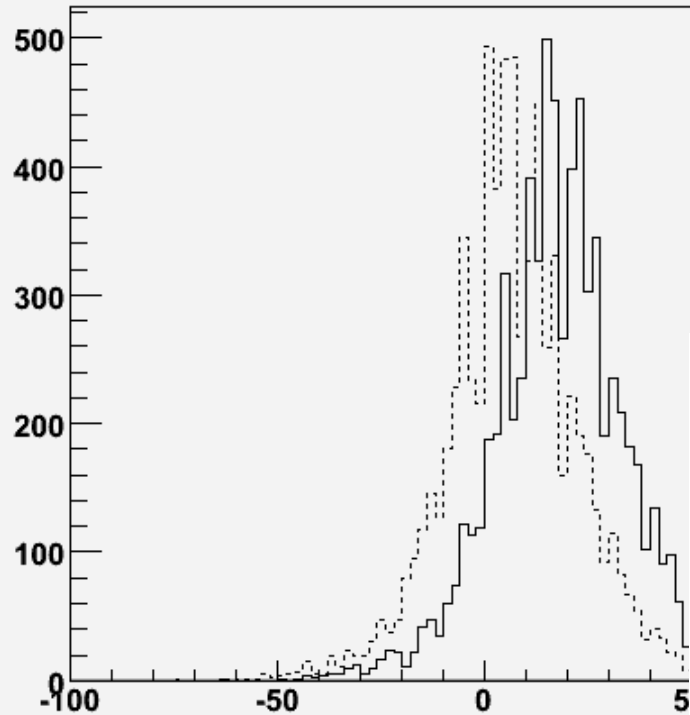
Cause of
peaks?

Noise map



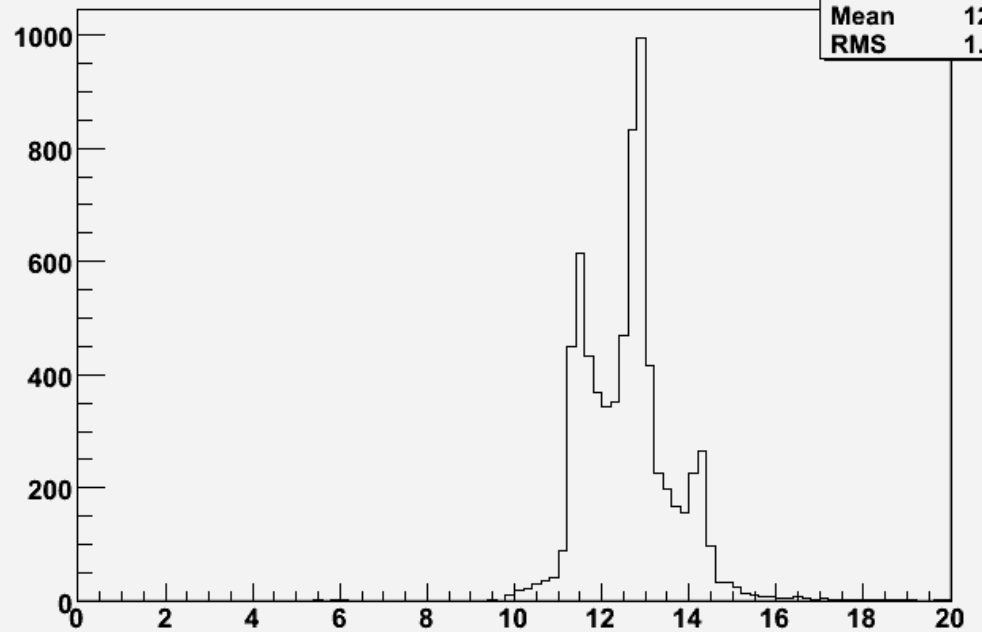
Trim = 4

Trim4 Quad0 Means



Trim0Quad0Means	
Entries	7056
Mean	6.834
RMS	16.07

Trim4 Quad0 Sigmas



Trim4Quad0Sigmas	
Entries	7056
Mean	12.62
RMS	1.052

Compare noise values

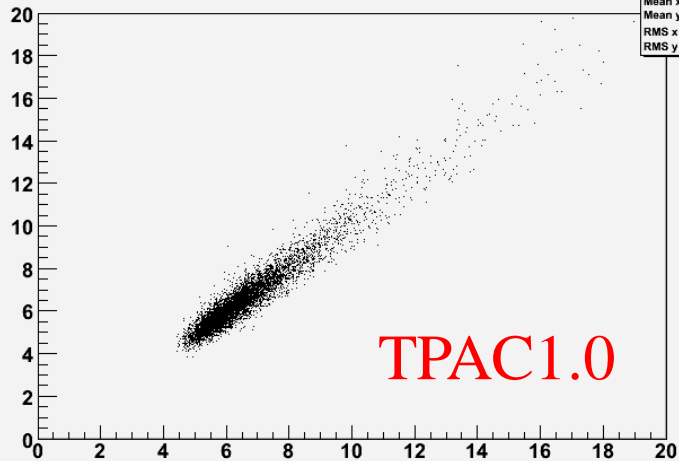
Trim4 vs Trim0 Quad0 Sigmas



hNoise	
Entries	7056
Mean x	6.607
Mean y	6.601
RMS x	1.526
RMS y	1.68

Trim0Trim4Quad0SigmaT	
Entries	7056
Mean x	12.6
Mean y	12.62
RMS x	1.087
RMS y	1.048

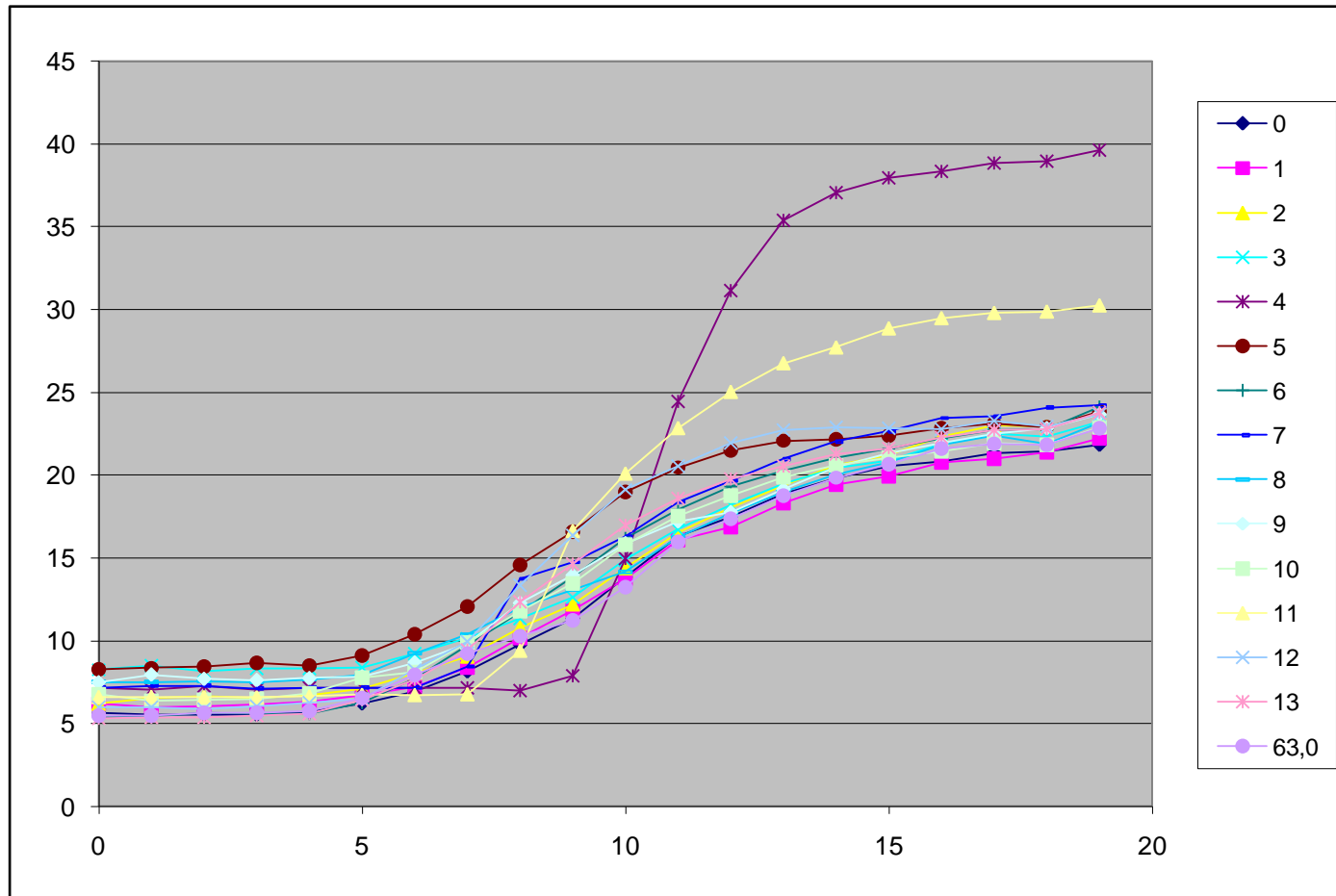
Trim 8 Sigma vs trim 0 sigma



TPAC1.0

Pickup on TPAC1.0

- Turn on rows of 42 pixels in turn
 - Check on noise as a function of multiple of 42 pixels enabled



Pickup still present on TPAC1.1

- Note expanded x axis scale
 - Effect mitigated but not removed

