Hybrid 4z16 Traveler

September 27, 1999

1 Connectivity

2 Chips

The following chips were assembled on this hybrid (in the order that the chips get read out):
Hybrid 4Z16 has die: 112-048 112-050 139-001 139-002

3 Bad Channels

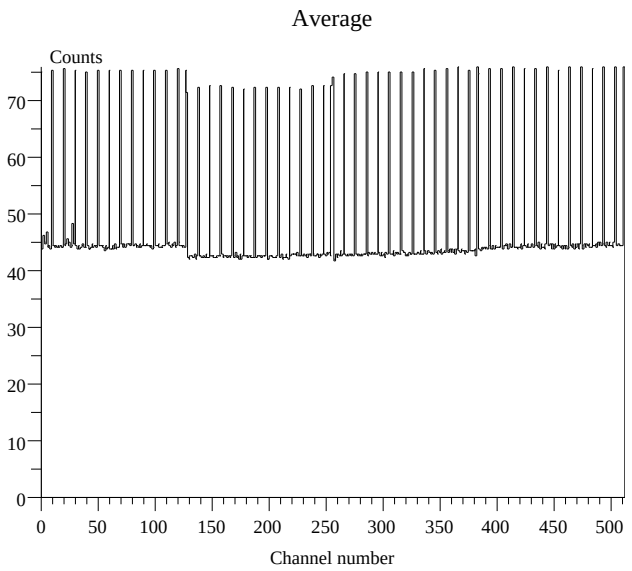
4 Comments

All plots done w/ Vcal set to 2.3 V.

5 Pedestal

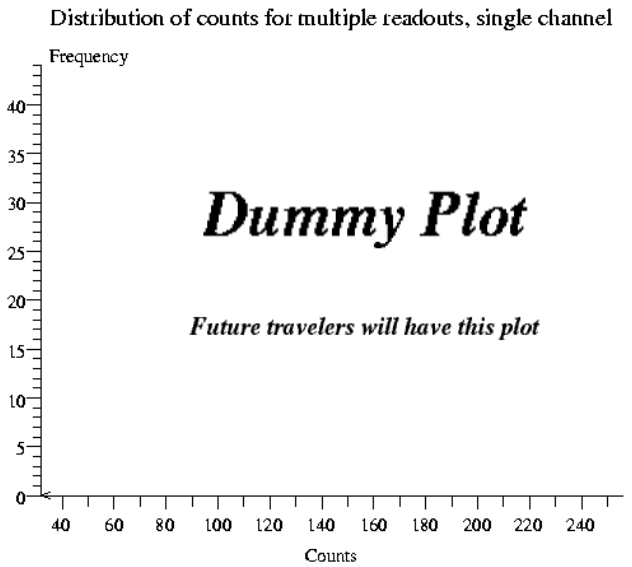
The following plot shows the pedestals vs. channel number

Pedestal



The following plot shows the average pedestal vs. pipeline cell ID. The x-axis is cell ID offset by 46 for each chip. Thus cell ID 5 on chip 1 ia at x=5, chip 2 at x=49, chip 3 at x=97, etc.

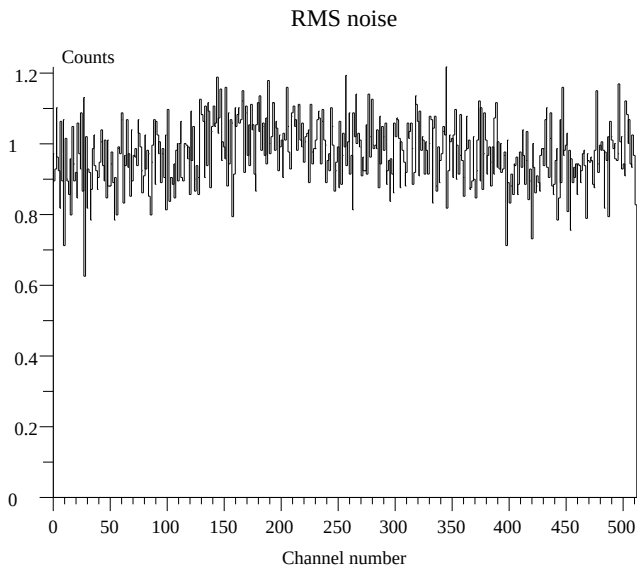
Pedestal vs. Pipeline Cell ID



6 Noise

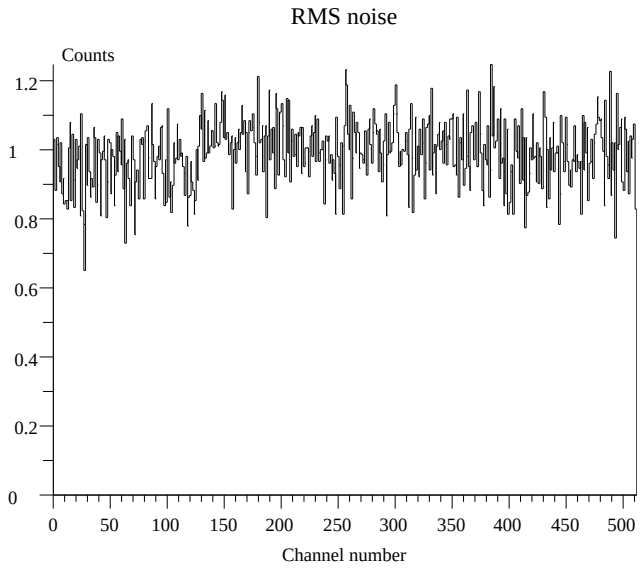
The following plot shows the single cell RMS noise:

RMS Noise

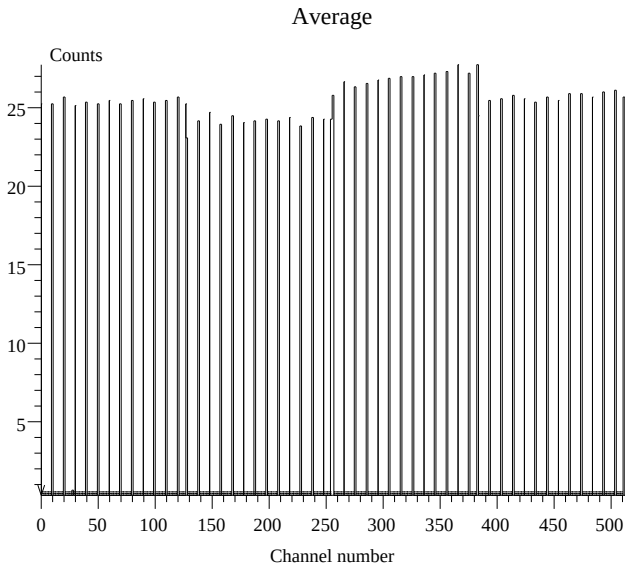


The following plot show the multi-cell RMS noise:

Multi-Cell Noise



7 Dynamic Threshold Subtraction

The following plot shows the readout of channels with charge injection with the dynamic threshold subtraction turned on:

Dynamic Threshold Subtraction