

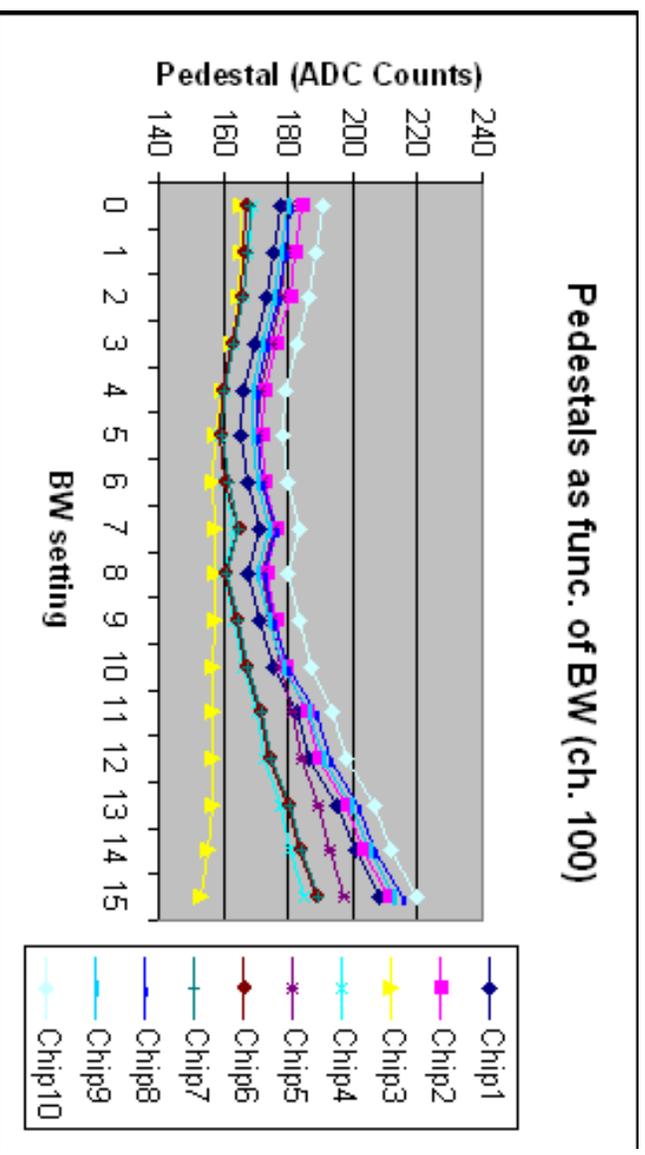


The 20-20 axial module - BW measurements

Pedestals

The pedestal as a function of BW has a funny shape.

The difference between BW 5 and 15 is almost 40 ADC counts!



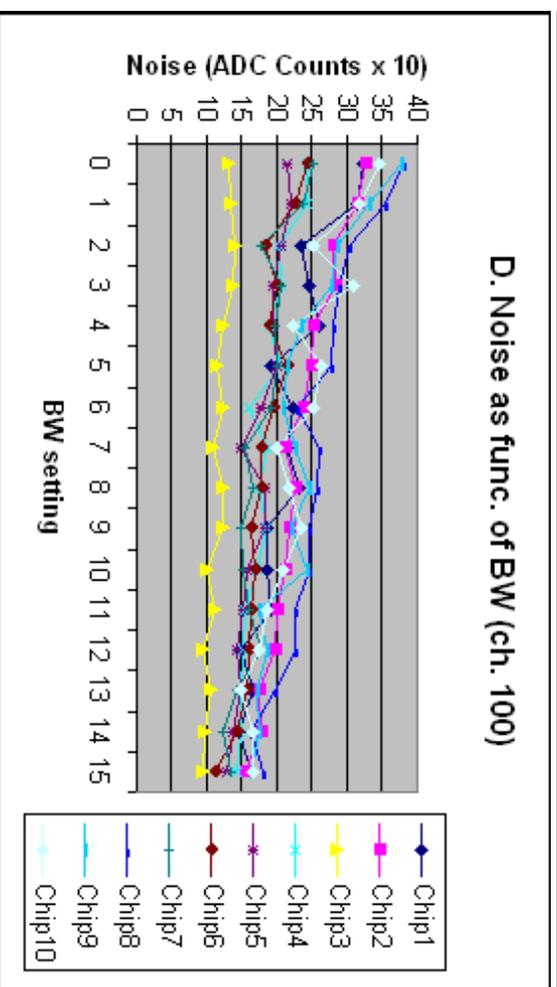
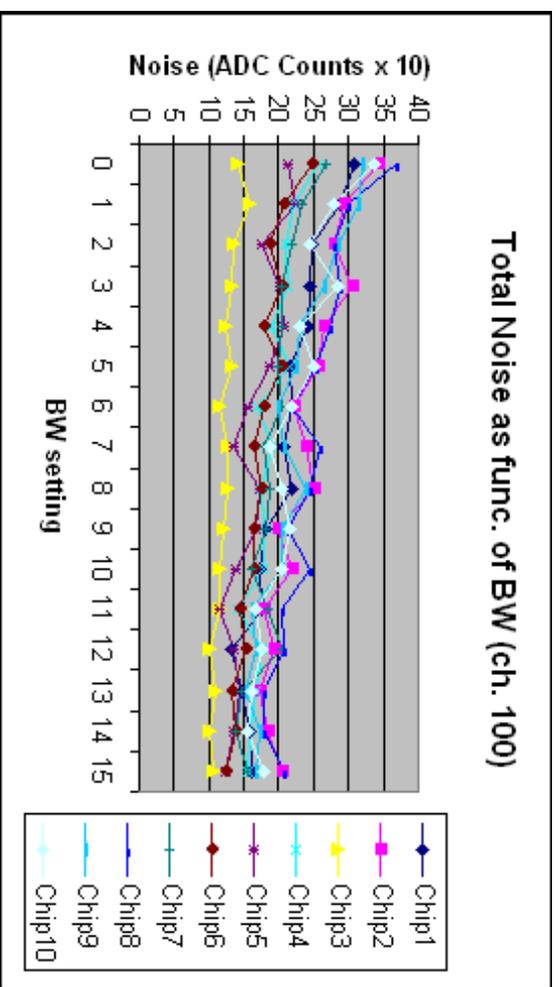


Noise performance

The total noise looks reasonable.

Chip 3 is not bonded to the sensor.

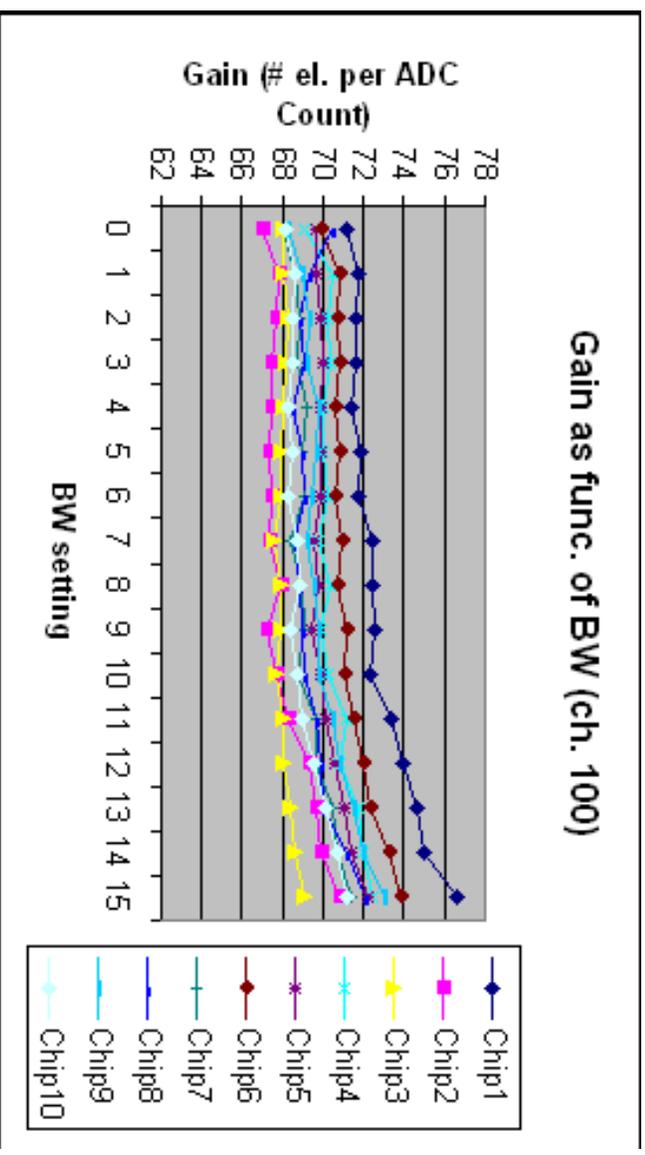
The diff. noise looks reasonable too.





Gain

The region around
channel 100 was bad
for chip #8.

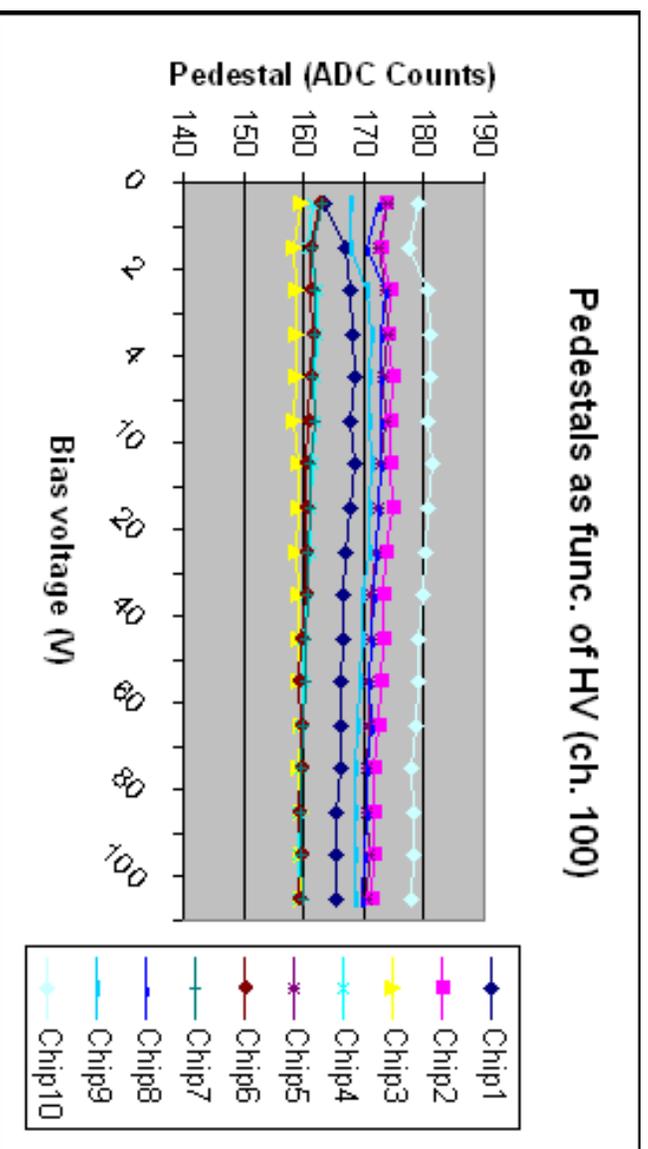




The 20-20 axial module - HV measurements

Pedestals

The pedestals seem not to depend much on the bias voltage.



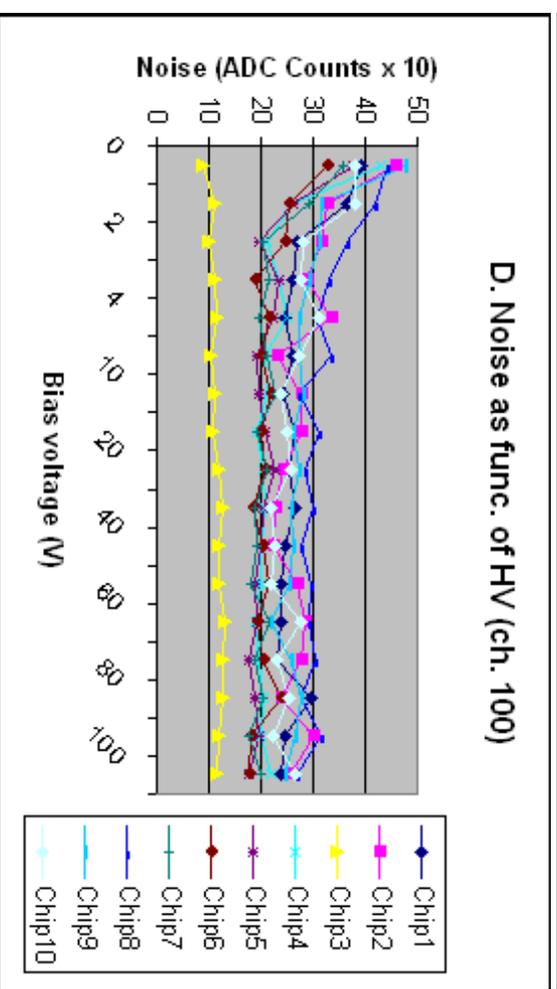
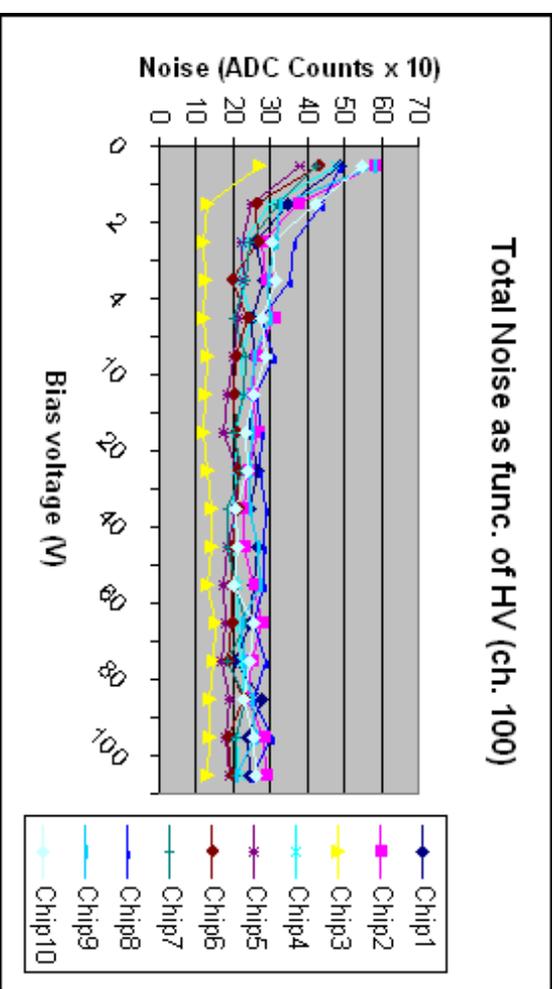


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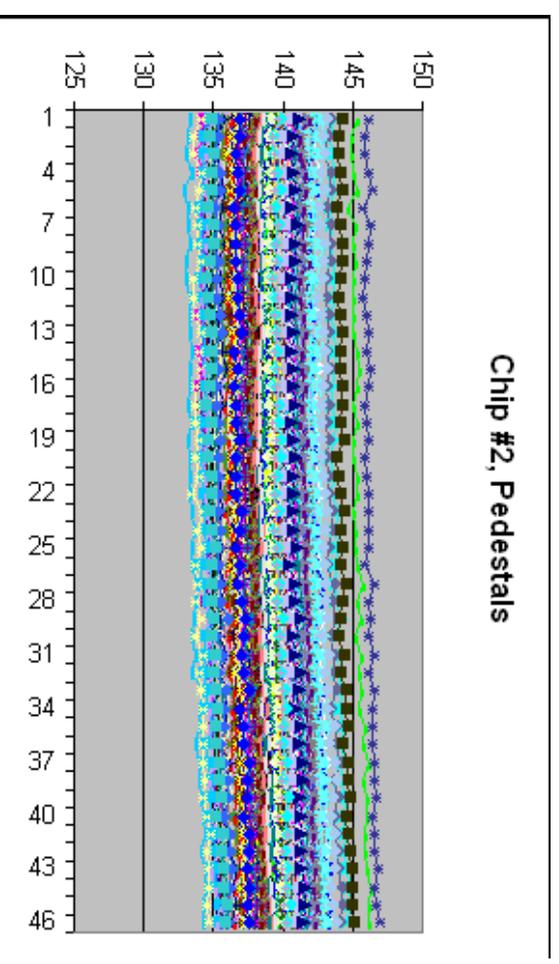
Pipeline dependence for 10chip hybrid #5

Pedestals

The pipeline dependence is now consistent with what others have measured!.

Lots of chips on this hybrid were bad.

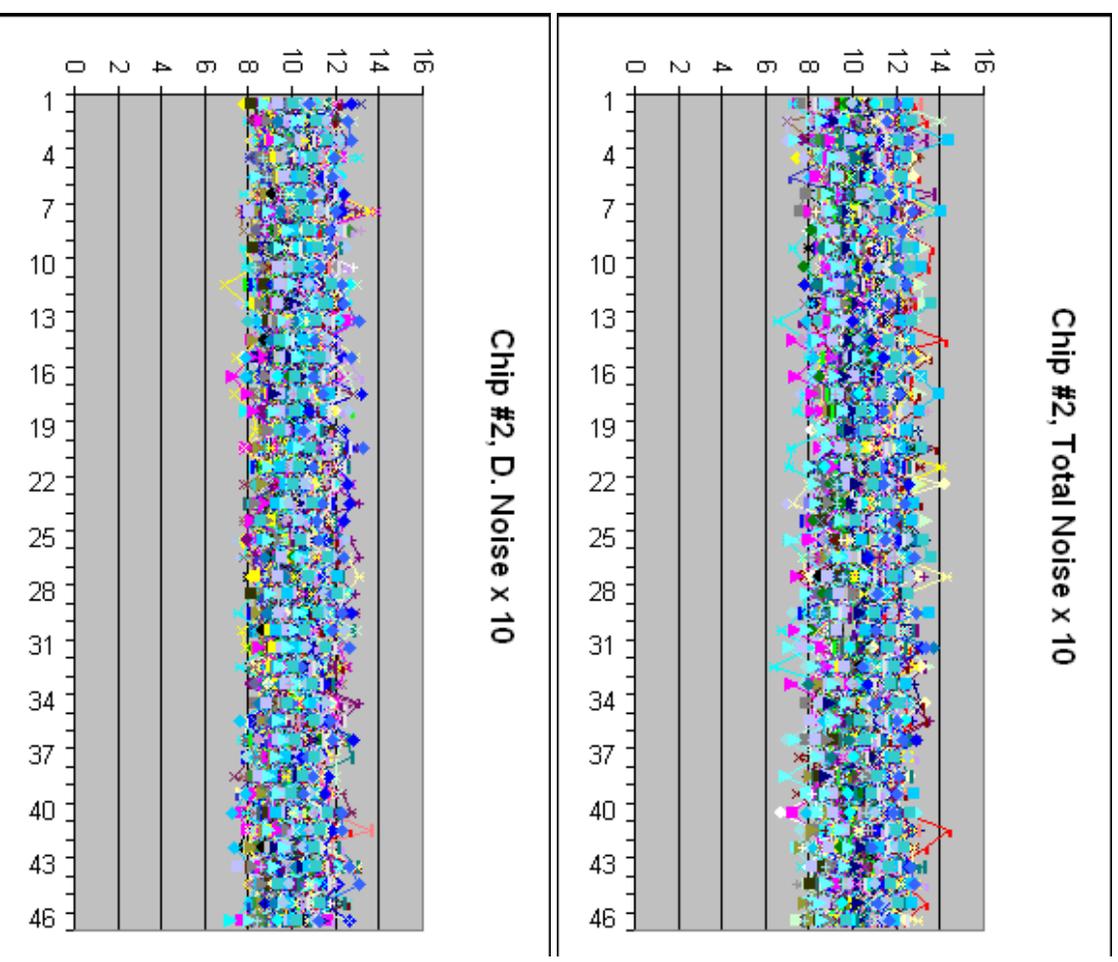
This is a good one.





Noise

Both the noise and the differential noise look fairly flat. The noise level is around 1 ADC count.





Gain

The pipeline dependence of the gain is really big! The shape comes mainly from the charge injection.

The number of electrons per ADC count is VERY low!!! The 4chip hybrids have a gain around 110 electrons per ADC count.

