Chip Z36459A−W06−X05−Y06 report.
(created: Thu Mar 29 21:01:36 2001 )

General info :

Wafer name : Z36459A−W06
Position in wafer: X05−Y06
Raw data status flag : 63
Number of channels : 128
Digital and Analog volt. : 4.00 [V] 3.50 [V]
Master digital and analog supply current: 55.00 [mA] 82.00 [mA]
Slave digital and analog supply current : 36.00 [mA] 82.00 [mA]

BIN status: 0 (perfect chip)

Digital tests (minimum Vdd voltage [V] @40MHz and @50MHz) :

Config I/O test: 3.3 3.3
Address test: 3.3 3.3
L1 counter test: 3.3 3.3
Input reg. test: 3.3 3.3
Input lin. test: 3.3 3.3
Fake Slv. test: 3.3 3.3
Slave test: 3.3 3.4
Token test: 3.3 3.3

Digital perfect pattern: yes

Analog data:

Chip gain / sigma : 59.54 / 1.21 [mV/fC]
Chip offset / sigma : 15.80 / 5.88 [mV]
Chip output noise (max): 12.17 [mV]
Chip output noise (min): 5.47 [mV]
Quality factor: 9.92

DAC data:

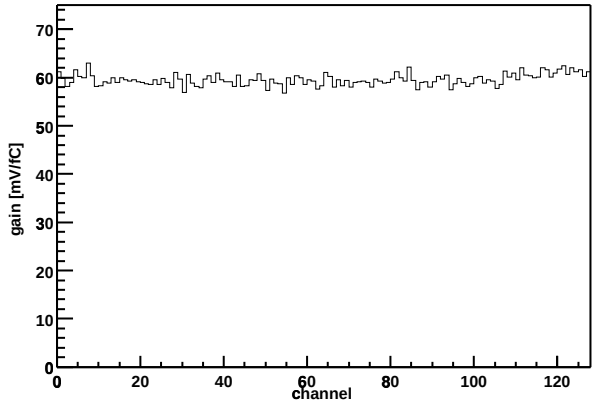
Threshold DAC slope: 2.51 [mV/bit] lin. error: 0.3 [%]
Preamp. DAC slope: 2.84 [mV/bit] lin. error: 2.6 [%]
Shaper DAC slope: 1.71 [mV/bit] lin. error: 4.3 [%]

Range DAC data:

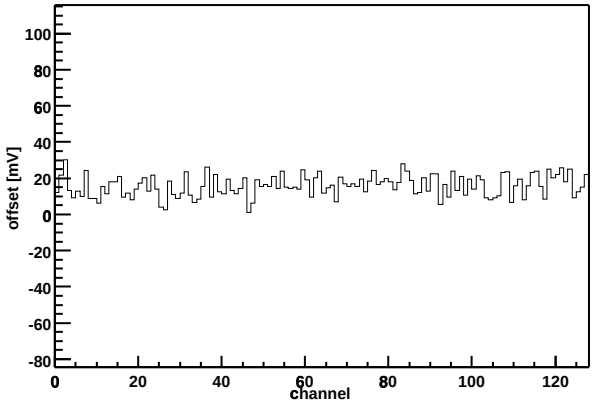
range 0 : 56.4 [mV]
range 1 : 111.3 [mV]
range 2 : 166.0 [mV]
range 3 : 217.4 [mV]

Other data is available on plots following this page.

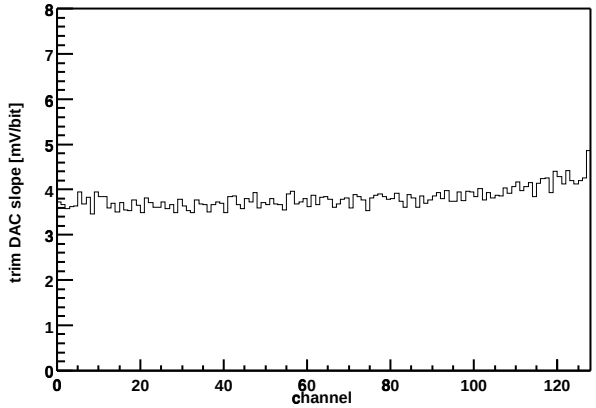
Chip Z36459A-W06-X05-Y06 Gain vs. channel



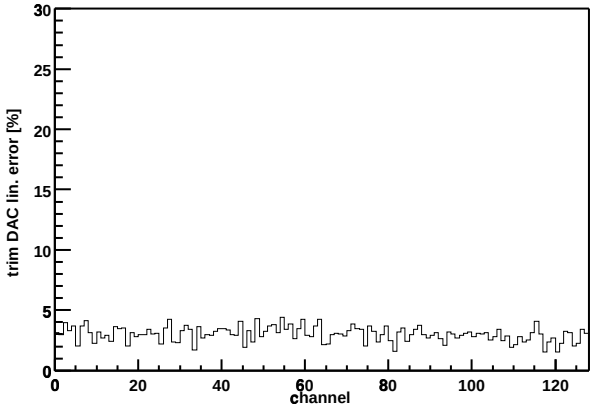

Chip Z36459A-W06-X05-Y06 Offset vs. channel



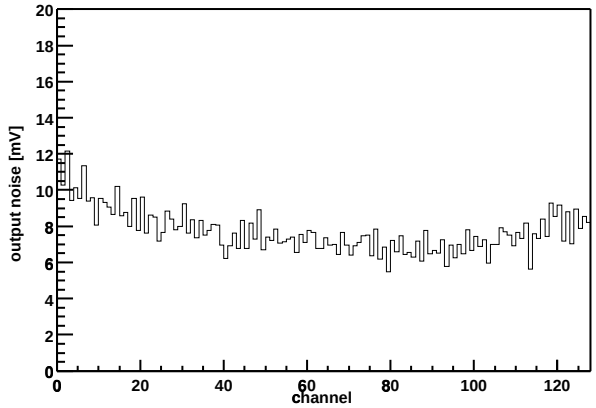

Chip Z36459A-W06-X05-Y06 Trim DAC slope vs. channel



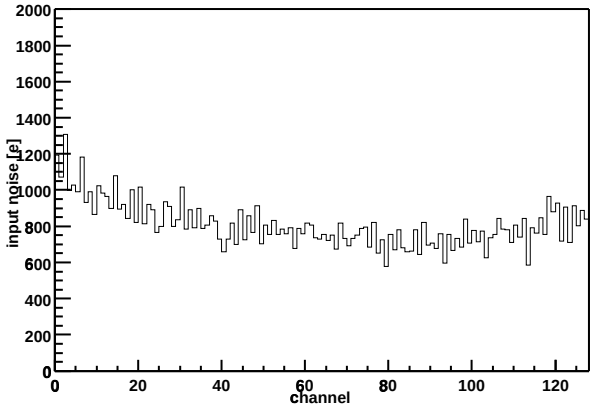

Chip Z36459A-W06-X05-Y06 trim DAC lin. error



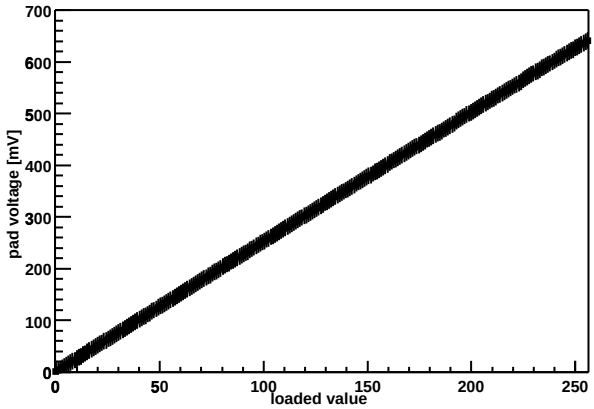

Chip Z36459A-W06-X05-Y06 Output noise vs. channel



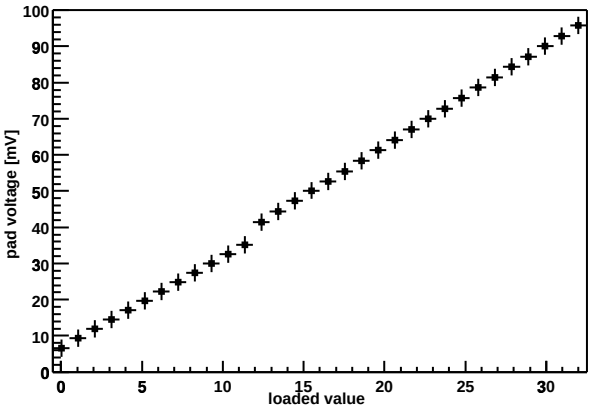

Chip Z36459A-W06-X05-Y06 Input noise vs. channel

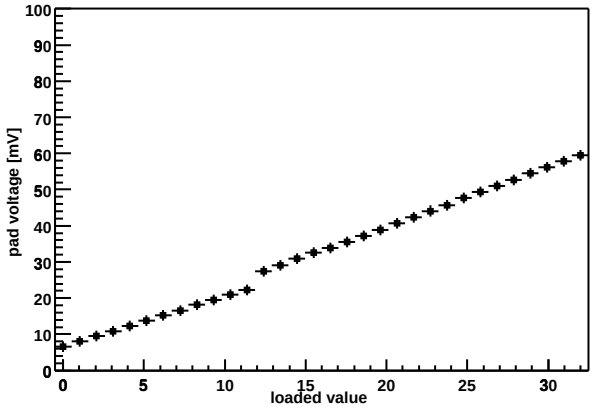


Chip Z36459A-W06-X05-Y06 threshold DAC




Chip Z36459A-W06-X05-Y06 preamp DAC




Chip Z36459A-W06-X05-Y06 shaper DAC