

Chip Z36459A-W06-X11-Y15 report.
(created: Thu Mar 29 21:02:08 2001)

General info :

Wafer name : Z36459A-W06
Position in wafer: X11-Y15
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: 53.00 [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	3.6
Fake Slv. test:	3.3	3.3
Slave test:	3.3	3.4
Token test:	3.3	3.3

Digital perfect pattern: no

Analog data:

Chip gain / sigma : 57.73 / 1.59 [mV/fC]
Chip offset / sigma : 21.51 / 6.85 [mV]
Chip output noise (max): 12.69 [mV]
Chip output noise (min): 5.50 [mV]
Quality factor: 8.21

DAC data:

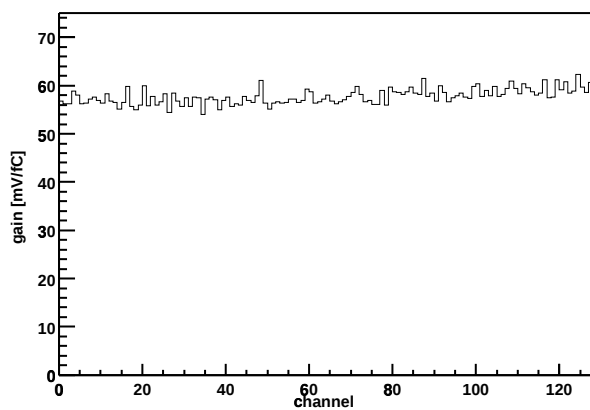
Threshold DAC slope:	2.50 [mV/bit]	lin. error:	0.3 [%]
Preamp. DAC slope:	2.89 [mV/bit]	lin. error:	3.6 [%]
Shaper DAC slope:	1.79 [mV/bit]	lin. error:	5.4 [%]

Range DAC data:

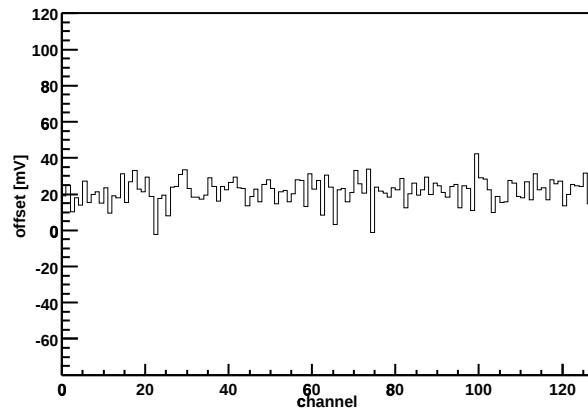
range 0 :	58.5 [mV]
range 1 :	114.8 [mV]
range 2 :	172.1 [mV]
range 3 :	219.5 [mV]

Other data is available on plots following this page.

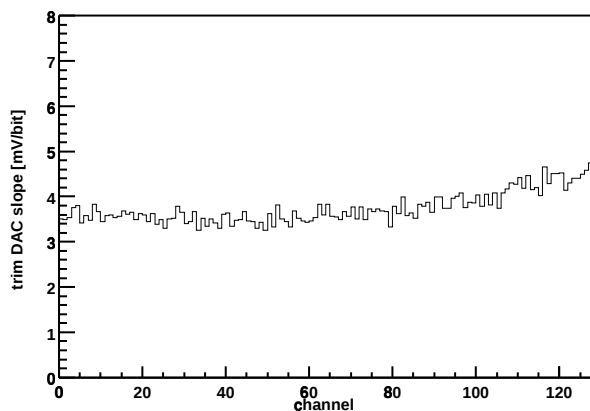
Chip Z36459A-W06-X11-Y15 Gain vs. channel



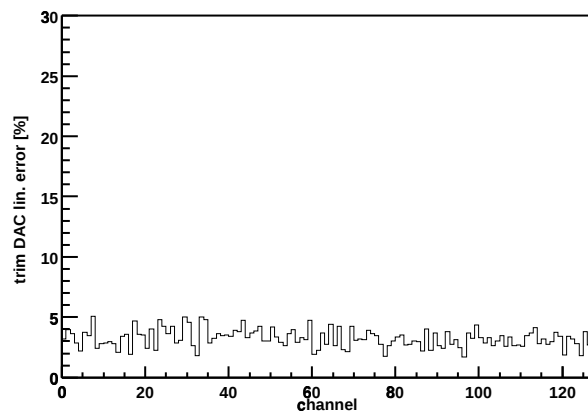
Chip Z36459A-W06-X11-Y15 Offset vs. channel



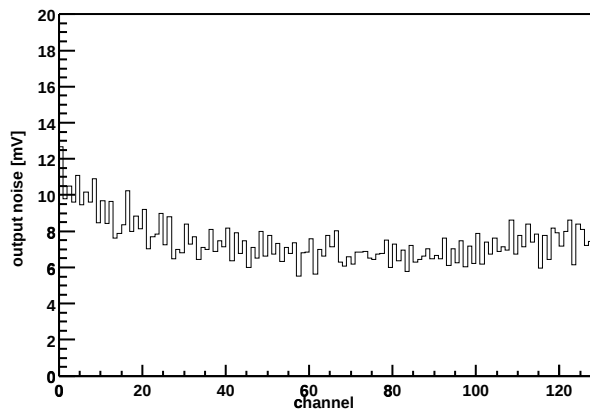
Chip Z36459A-W06-X11-Y15 Trim DAC slope vs. channel



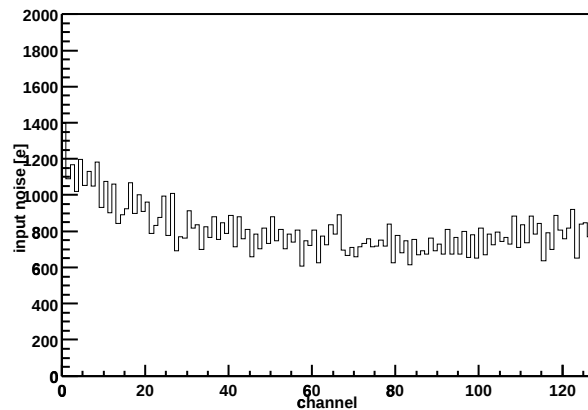
Chip Z36459A-W06-X11-Y15 trim DAC lin. error



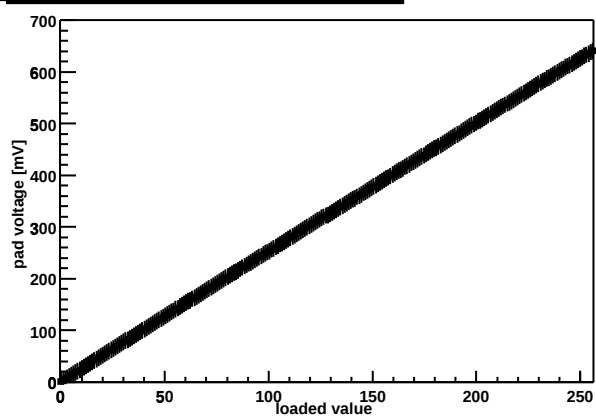
Chip Z36459A-W06-X11-Y15 Output noise vs. channel



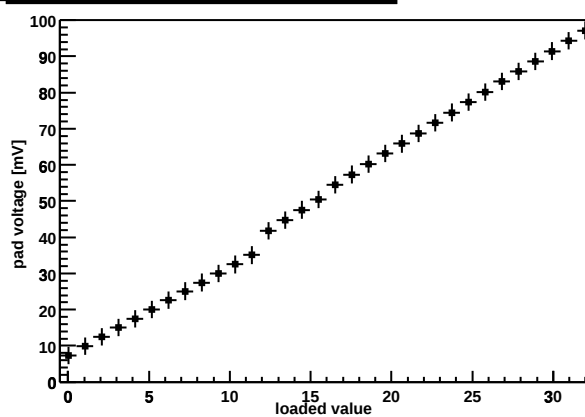
Chip Z36459A-W06-X11-Y15 Input noise vs. channel



Chip Z36459A-W06-X11-Y15 threshold DAC



Chip Z36459A-W06-X11-Y15 preamp DAC



Chip Z36459A-W06-X11-Y15 shaper DAC

