

Chip Z36459A-W03-X02-Y10 report.
(created: Thu Mar 29 20:07:02 2001)

General info :

Wafer name : Z36459A-W03
Position in wafer: X02-Y10
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: 57.00 [mA] 81.00 [mA]
Slave digital and analog supply current : 37.00 [mA] 81.00 [mA]

BIN status: 33554432 (there are problems)
Number of unusable channels: 0

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	4.0
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 : 60.62 / 1.23 [mV/fC]
Chip offset / sigma : 16.27 / 7.01 [mV]
Chip output noise (max): 13.82 [mV]
Chip output noise (min): 5.70 [mV]
Quality factor: 8.52

DAC data:

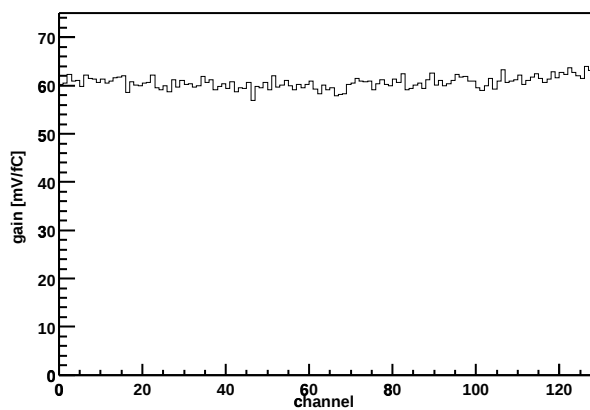
Threshold DAC slope:	2.55 [mV/bit]	lin. error:	0.3 [%]
Preamp. DAC slope:	2.72 [mV/bit]	lin. error:	3.5 [%]
Shaper DAC slope:	1.67 [mV/bit]	lin. error:	5.7 [%]

Range DAC data:

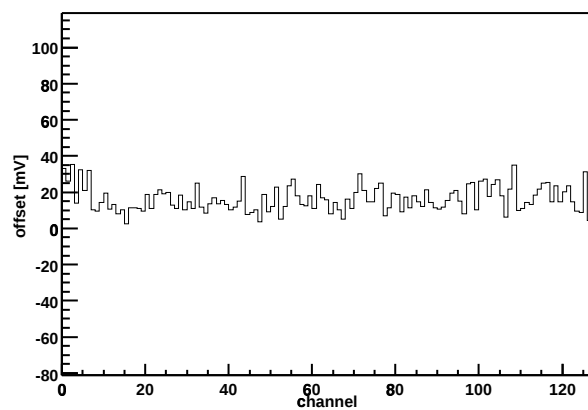
range 0 :	51.7 [mV]
range 1 :	103.8 [mV]
range 2 :	155.4 [mV]
range 3 :	201.1 [mV]

Other data is available on plots following this page.

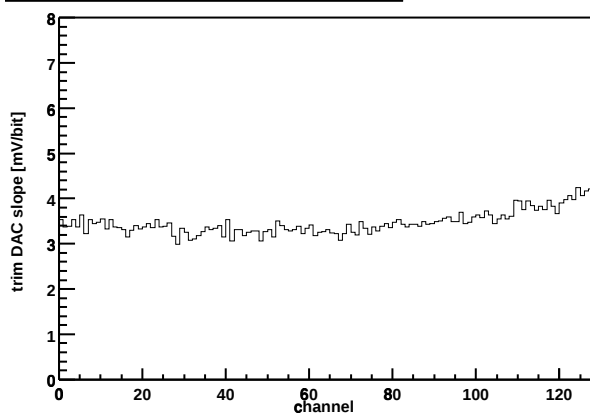
Chip Z36459A-W03-X02-Y10 Gain vs. channel



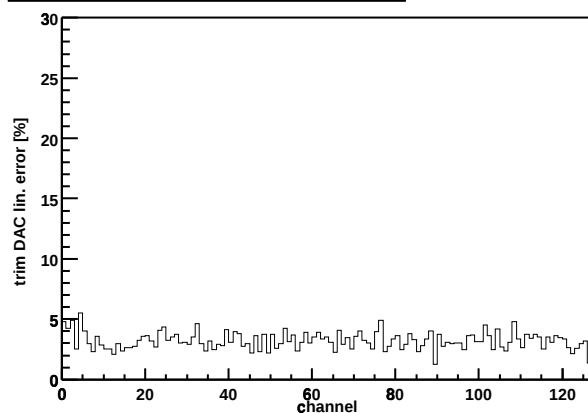
Chip Z36459A-W03-X02-Y10 Offset vs. channel



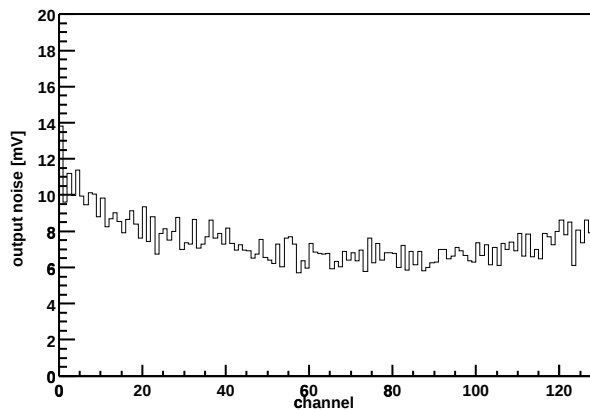
Chip Z36459A-W03-X02-Y10 Trim DAC slope vs. channel



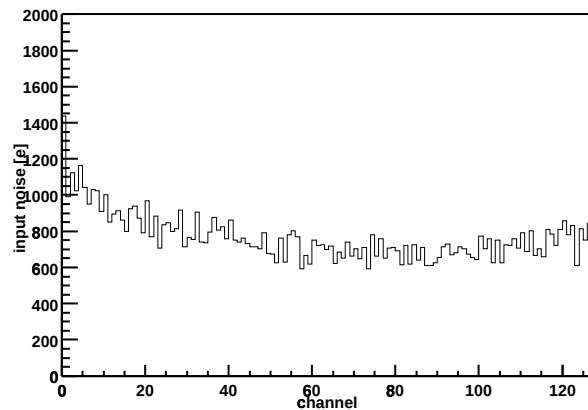
Chip Z36459A-W03-X02-Y10 trim DAC lin. error



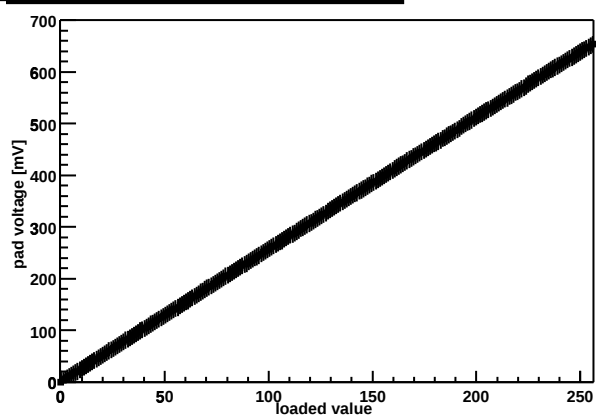
Chip Z36459A-W03-X02-Y10 Output noise vs. channel



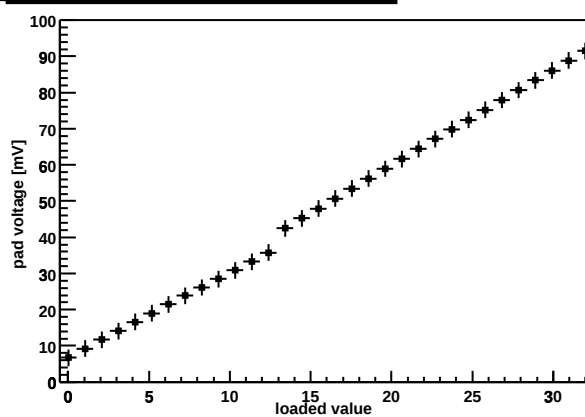
Chip Z36459A-W03-X02-Y10 Input noise vs. channel



Chip Z36459A-W03-X02-Y10 threshold DAC



Chip Z36459A-W03-X02-Y10 preamp DAC



Chip Z36459A-W03-X02-Y10 shaper DAC

