

Chip Z36459A-W04-X16-Y09 report.
(created: Thu Mar 29 20:54:23 2001)

General info :

Wafer name : Z36459A-W04
Position in wafer: X16-Y09
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: 54.00 [mA] 79.00 [mA]
Slave digital and analog supply current : 35.00 [mA] 79.00 [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 : 55.69 / 1.95 [mV/fC]
Chip offset / sigma : 15.71 / 4.98 [mV]
Chip output noise (max): 10.77 [mV]
Chip output noise (min): 5.53 [mV]
Quality factor: 10.41

DAC data:

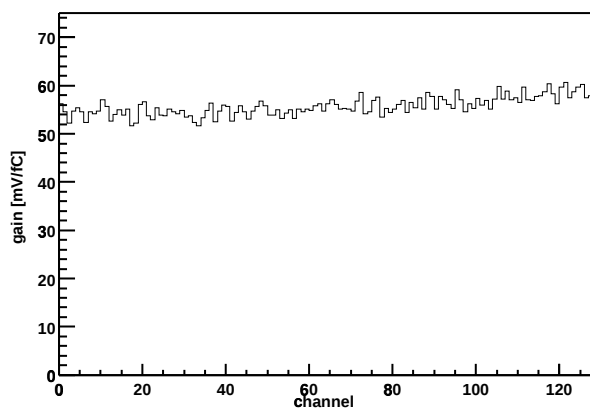
Threshold DAC slope:	2.54 [mV/bit]	lin. error:	0.3 [%]
Preamp. DAC slope:	2.99 [mV/bit]	lin. error:	4.1 [%]
Shaper DAC slope:	1.90 [mV/bit]	lin. error:	6.6 [%]

Range DAC data:

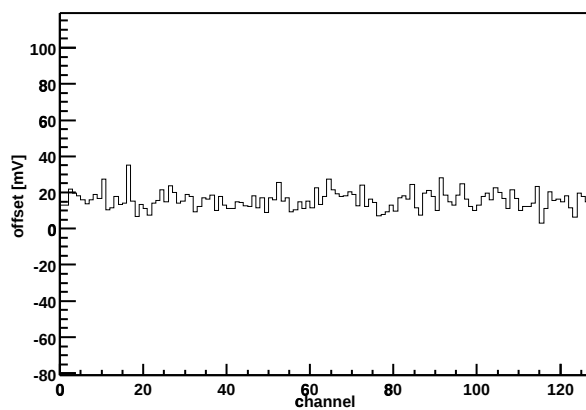
range 0 :	53.7 [mV]
range 1 :	108.6 [mV]
range 2 :	160.3 [mV]
range 3 :	209.5 [mV]

Other data is available on plots following this page.

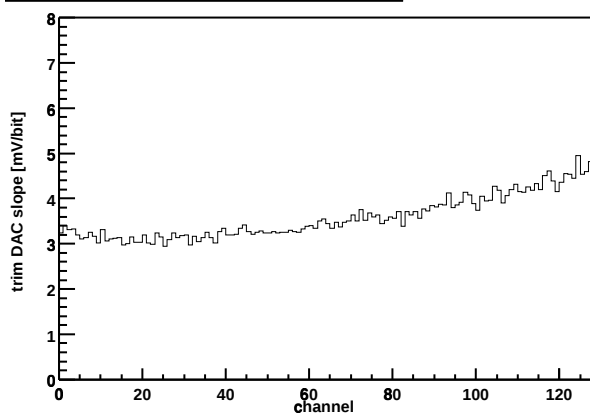
Chip Z36459A-W04-X16-Y09 Gain vs. channel



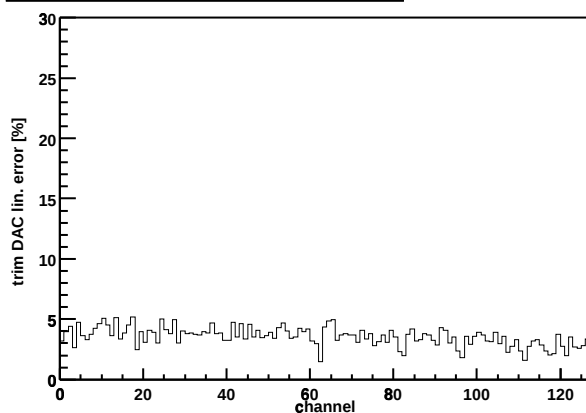
Chip Z36459A-W04-X16-Y09 Offset vs. channel



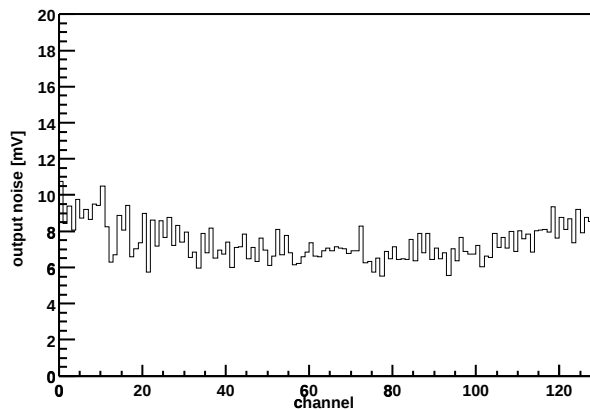
Chip Z36459A-W04-X16-Y09 Trim DAC slope vs. channel



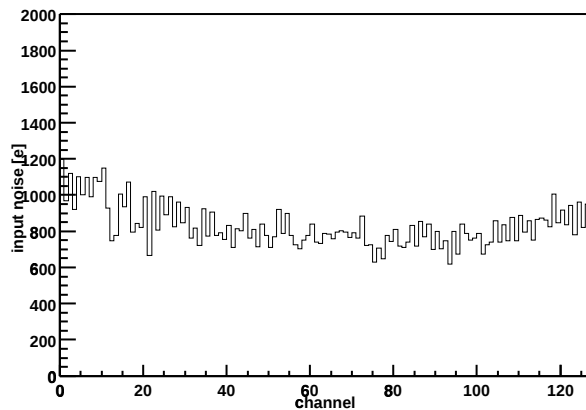
Chip Z36459A-W04-X16-Y09 trim DAC lin. error



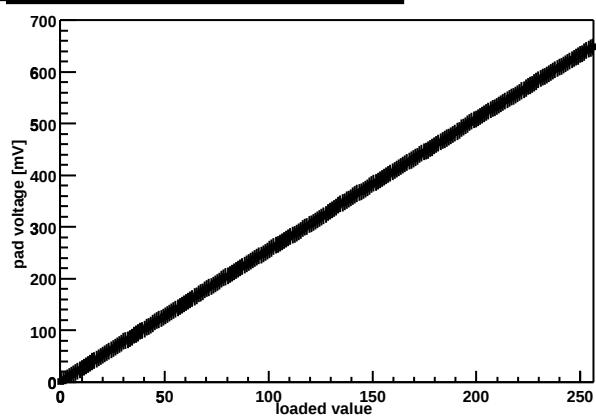
Chip Z36459A-W04-X16-Y09 Output noise vs. channel



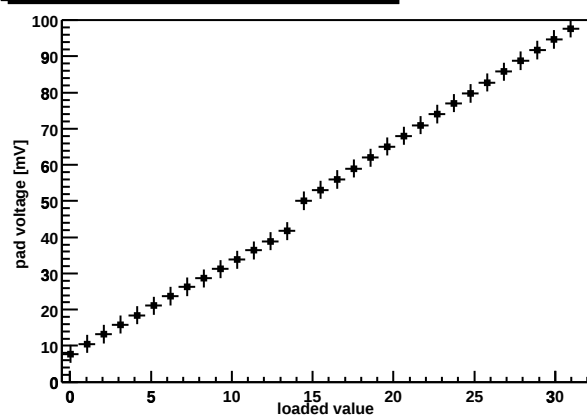
Chip Z36459A-W04-X16-Y09 Input noise vs. channel



Chip Z36459A-W04-X16-Y09 threshold DAC



Chip Z36459A-W04-X16-Y09 preamp DAC



Chip Z36459A-W04-X16-Y09 shaper DAC

