

Chip Z36459A-W04-X11-Y19 report.
(created: Thu Mar 29 20:54:45 2001)

General info :

Wafer name : Z36459A-W04
Position in wafer: X11-Y19
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: 16777216 (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	3.3
Fake Slv. test:	3.3	3.3
Slave test:	3.9	3.4
Token test:	3.3	3.3

Digital perfect pattern: no

Analog data:

Chip gain / sigma : 57.67 / 1.84 [mV/fC]
Chip offset / sigma : 12.46 / 6.23 [mV]
Chip output noise (max): 12.02 [mV]
Chip output noise (min): 4.85 [mV]
Quality factor: 8.88

DAC data:

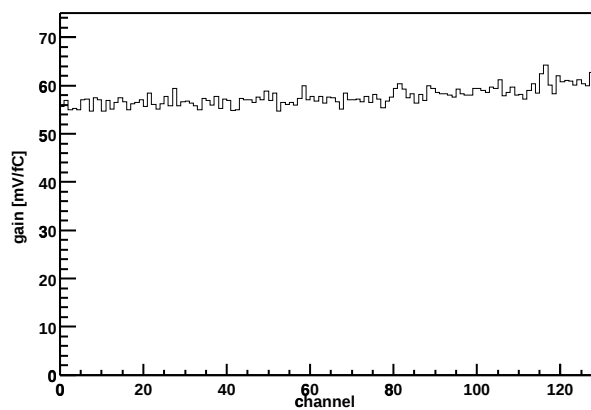
Threshold DAC slope:	2.53 [mV/bit]	lin. error:	0.3 [%]
Preamp. DAC slope:	3.02 [mV/bit]	lin. error:	4.8 [%]
Shaper DAC slope:	1.91 [mV/bit]	lin. error:	7.2 [%]

Range DAC data:

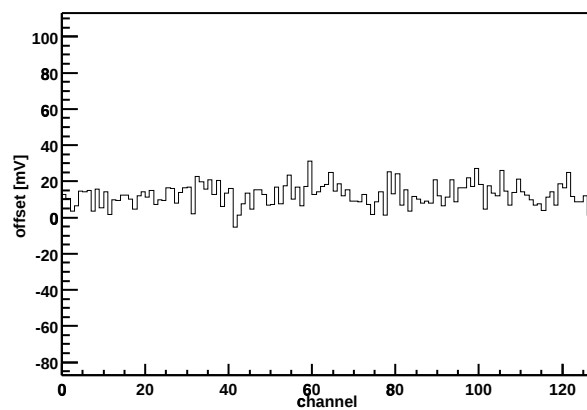
range 0 :	51.8 [mV]
range 1 :	103.9 [mV]
range 2 :	157.7 [mV]
range 3 :	208.1 [mV]

Other data is available on plots following this page.

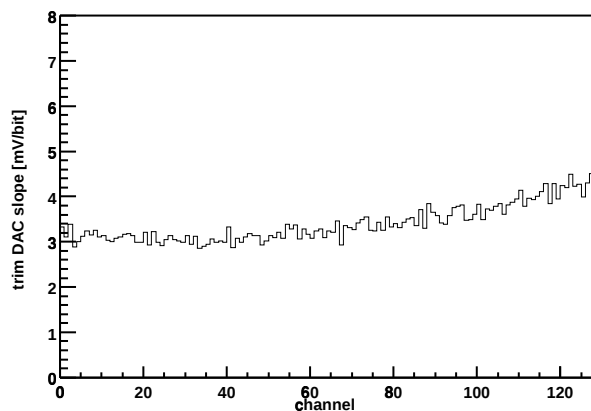
Chip Z36459A-W04-X11-Y19 Gain vs. channel



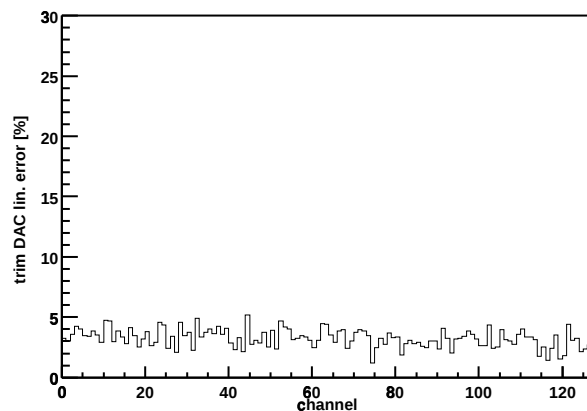
Chip Z36459A-W04-X11-Y19 Offset vs. channel



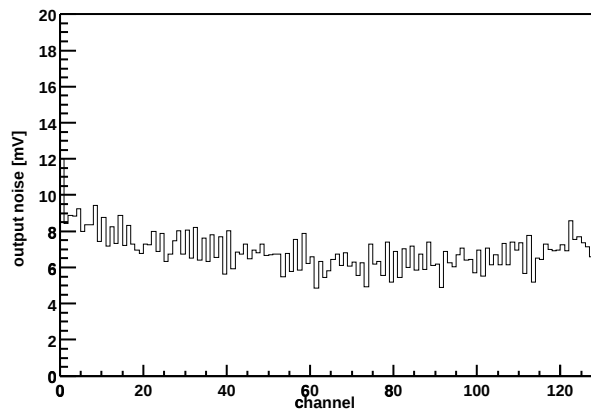
Chip Z36459A-W04-X11-Y19 Trim DAC slope vs. channel



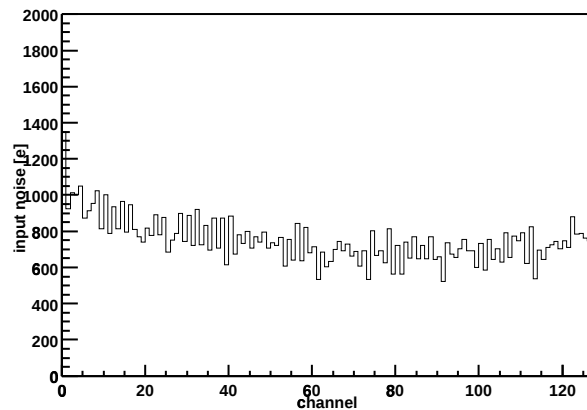
Chip Z36459A-W04-X11-Y19 trim DAC lin. error



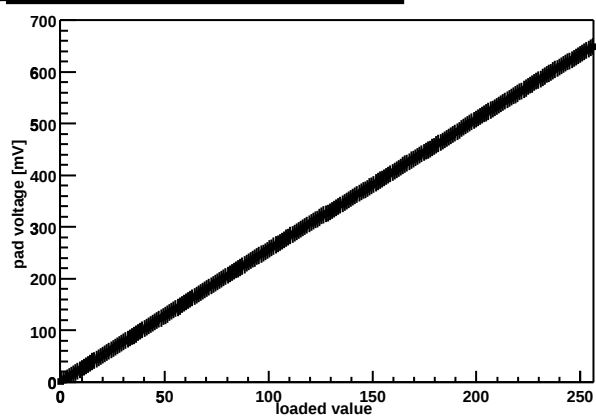
Chip Z36459A-W04-X11-Y19 Output noise vs. channel



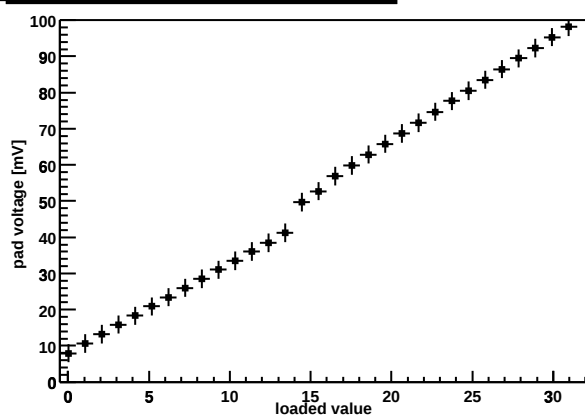
Chip Z36459A-W04-X11-Y19 Input noise vs. channel



Chip Z36459A-W04-X11-Y19 threshold DAC



Chip Z36459A-W04-X11-Y19 preamp DAC



Chip Z36459A-W04-X11-Y19 shaper DAC

