

Chip Z36459A-W06-X14-Y09 report.
(created: Thu Mar 29 21:01:44 2001)

General info :

Wafer name : Z36459A-W06
Position in wafer: X14-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] 77.00 [mA]
Slave digital and analog supply current : 35.00 [mA] 77.00 [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 : 55.21 / 1.29 [mV/fC]
Chip offset / sigma : 17.07 / 6.12 [mV]
Chip output noise (max): 10.72 [mV]
Chip output noise (min): 4.89 [mV]
Quality factor: 8.83

DAC data:

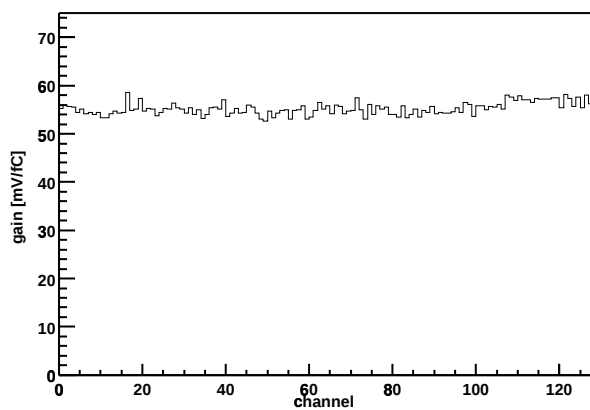
Threshold DAC slope:	2.63 [mV/bit]	lin. error:	0.4 [%]
Preamp. DAC slope:	2.99 [mV/bit]	lin. error:	4.1 [%]
Shaper DAC slope:	1.90 [mV/bit]	lin. error:	6.3 [%]

Range DAC data:

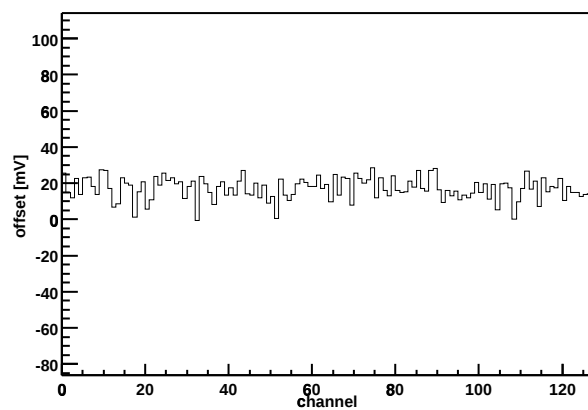
range 0 :	48.1 [mV]
range 1 :	96.2 [mV]
range 2 :	145.0 [mV]
range 3 :	190.6 [mV]

Other data is available on plots following this page.

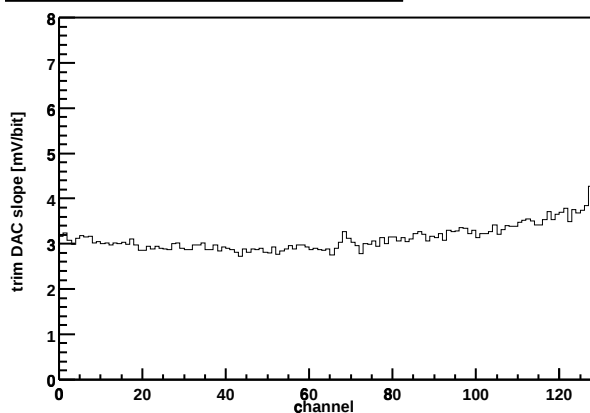
Chip Z36459A-W06-X14-Y09 Gain vs. channel



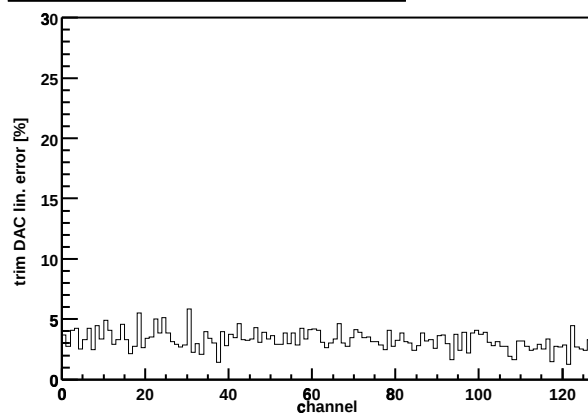
Chip Z36459A-W06-X14-Y09 Offset vs. channel



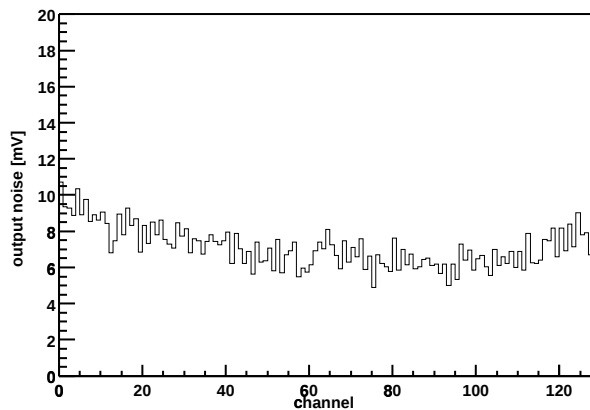
Chip Z36459A-W06-X14-Y09 Trim DAC slope vs. channel



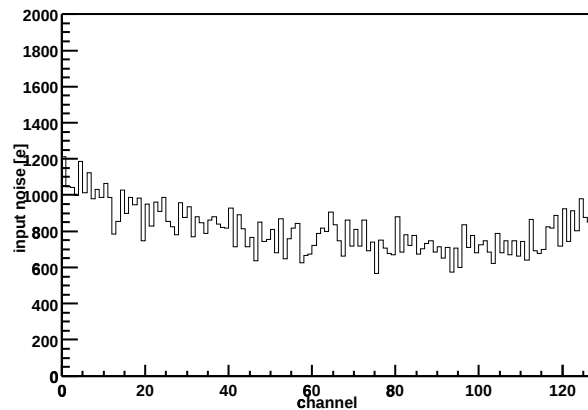
Chip Z36459A-W06-X14-Y09 trim DAC lin. error



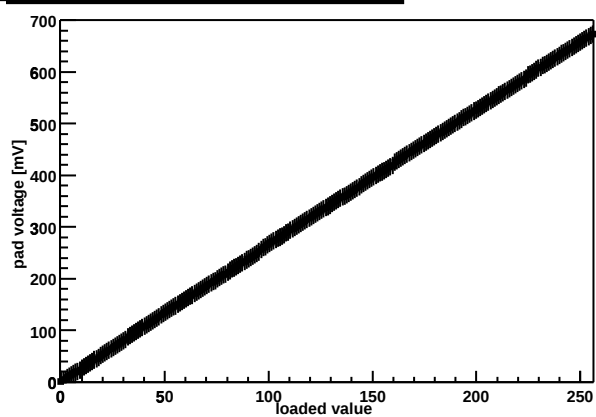
Chip Z36459A-W06-X14-Y09 Output noise vs. channel



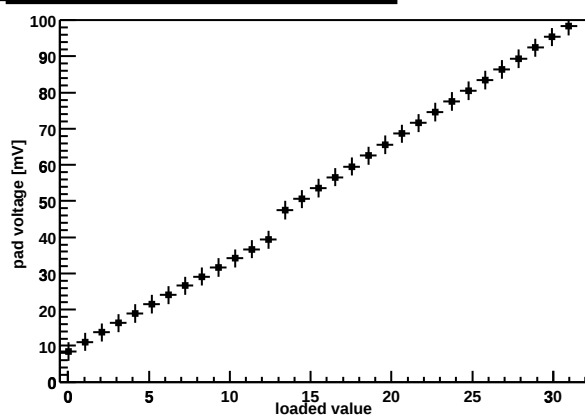
Chip Z36459A-W06-X14-Y09 Input noise vs. channel



Chip Z36459A-W06-X14-Y09 threshold DAC



Chip Z36459A-W06-X14-Y09 preamp DAC



Chip Z36459A-W06-X14-Y09 shaper DAC

