

Status of the Padova DS electronics

Completely redesign NIM modules

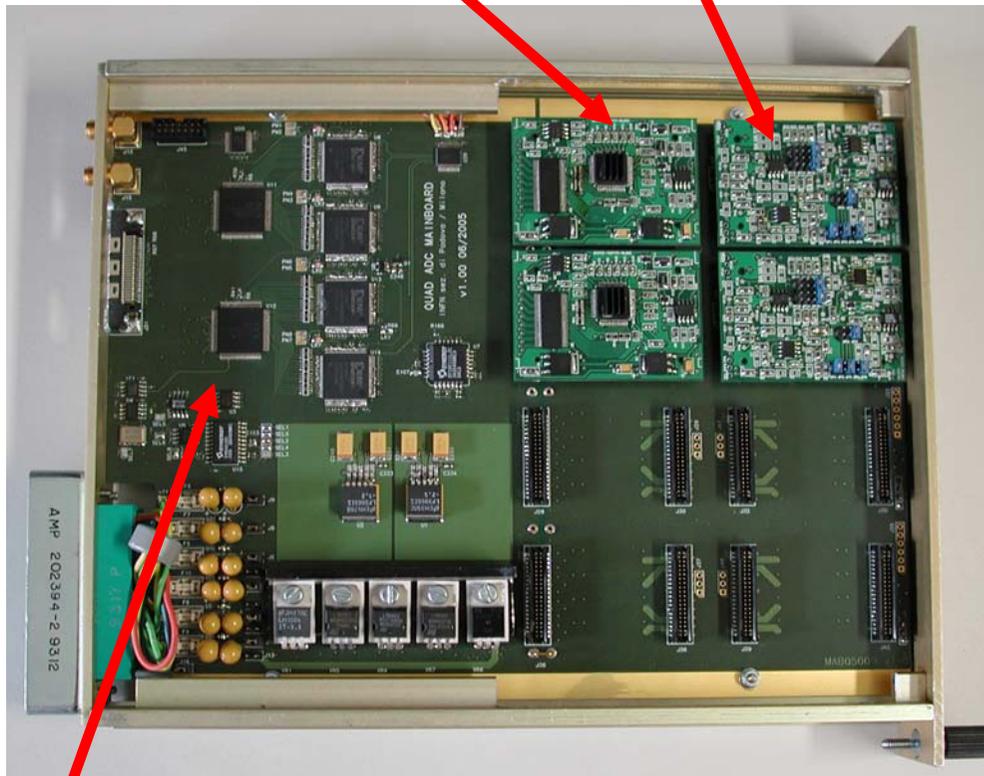
ADC boards



100 Msp/s 14 bit

Signal conditioning board

Gain - jumpers
Offset - front panel screw
Signal polarity



LVDS transmitters



Diff. Input

Offset

SE Input

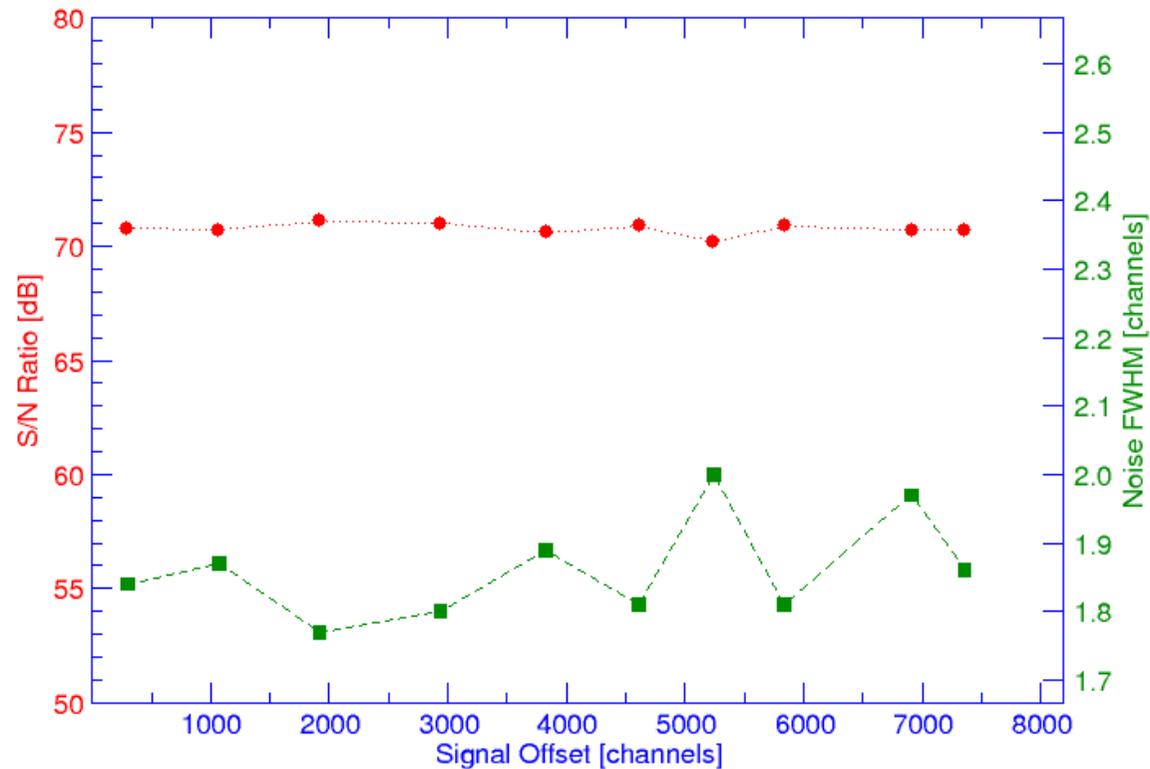
Collaboration Padova - Milano

Status of the Padova DS electronics

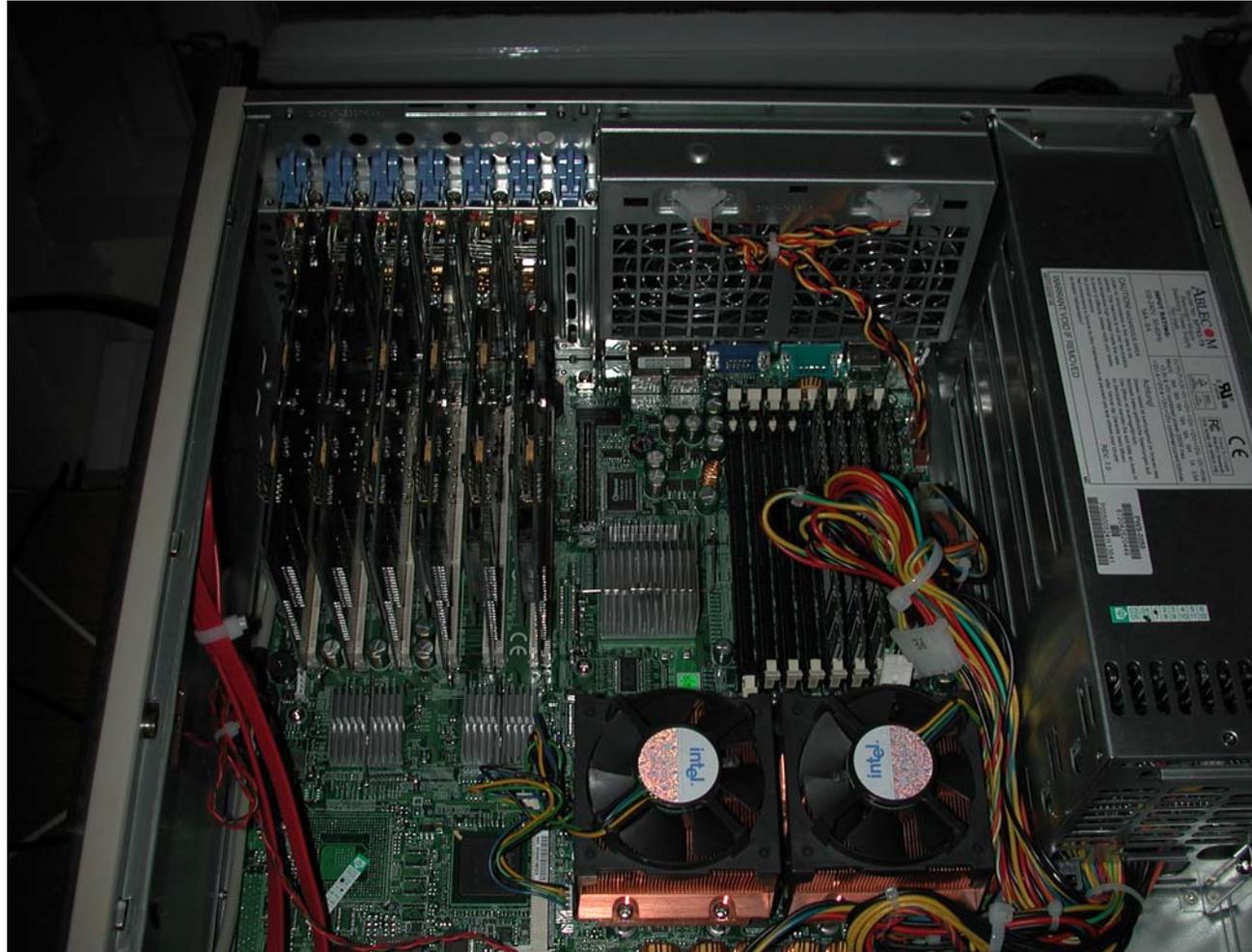
Noise measurement without input signal

Analog Devices 14 bit @ 100 MHz
(13 bit)

ENOB = 11.5 bit



Status of the Padova DS electronics

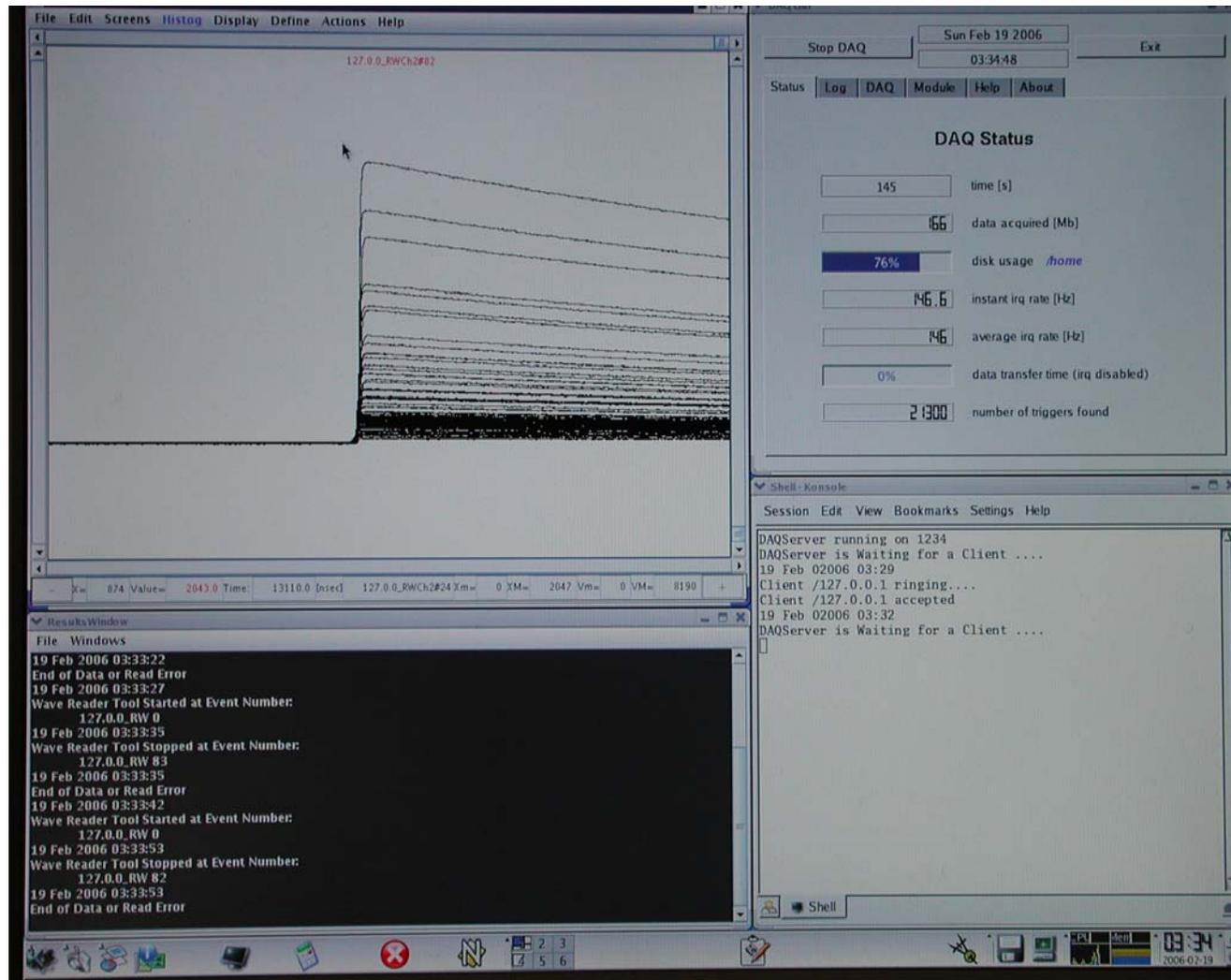


Rack-mounted PC
- 6x64 bit PCI slots
- 1 TB Ethernet disk

DMA data transfer
on the way

Status of the Padova DS electronics

Data acquisition and control (Linux)



Graphical viewer
- Platform independent (Java)

On-line monitoring
- Server - Client over IP

Two-dimensional matrices
generation and visualization