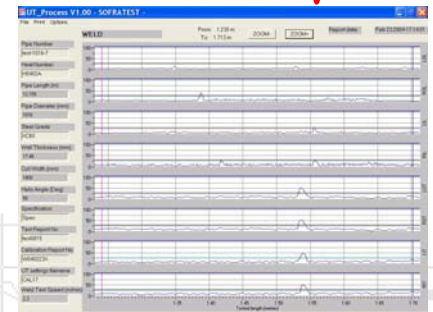


# DATA PROCESSING : PC\_PROCESS FOR ERW – SAW PIPES

## Description :

- Can be adapted to systems from 2 to 16 channels
- Usable for strip edge, coil and weld inspection
- Connected by an Ethernet network link and can also be connected to the main factory network.
- PC\_PROCESS collects data from the PC\_UT :
  - Data files include all acquired data for a complete coil or pipe (up to 700m of capture)
  - Signal amplitude and coupling alarm are recorded for each measurement step
  - Zoom function (set an area with 2 cursors)

PC\_Process for weld inspection with 8 channels (16m)



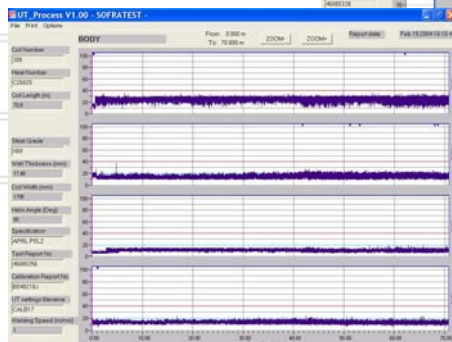
COUPE

Zoom of PC\_Process for Edge Strip Examination with 2 channels  
Length = 42.8m



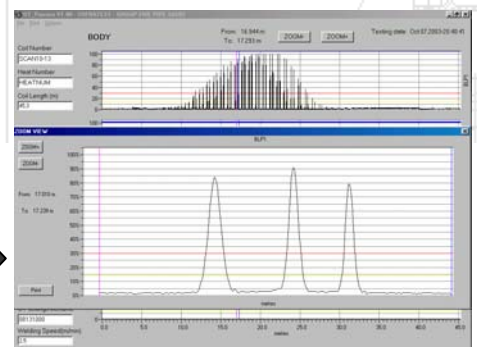
## Traceability and full capture :

- Calibration report :
  - Printout duplication upon completion of a calibration operation (static and dynamic)
- Summary Report
  - Duplication of the real time printout during testing operation
- PC\_Process :
  - Data Display
  - full capture of the complete pipe or coil.
- Storage on CD-ROM or on Network



PC\_Process for body lamination inspection with 4 channels  
Length = 700m

In this displayed graph, the 3 defects correspond to the alarms (ETA7, ET8 and ETA9) on the summary report



Extract of the summary report

ETA7	Oct 28, 2003-19:03:39	001.494 m	ELP2	5 mm
ETA8	Oct 28, 2003-19:03:40	001.530 m	ELP2	5 mm
ETA9	Oct 28, 2003-19:03:40	001.565 m	ELP2	6 mm

## PC PROCESS

PC\_PROCESS is used for easy pipe inspection traceability. First, the calibration report allows to save the UT settings as they have been adjusted during the calibration. Then the summary report which is printed contains product information and defect lists including length and position. In addition, the full report can be saved and printed. Finally, the data can be stored on CD ROM and through the network on a large data base.