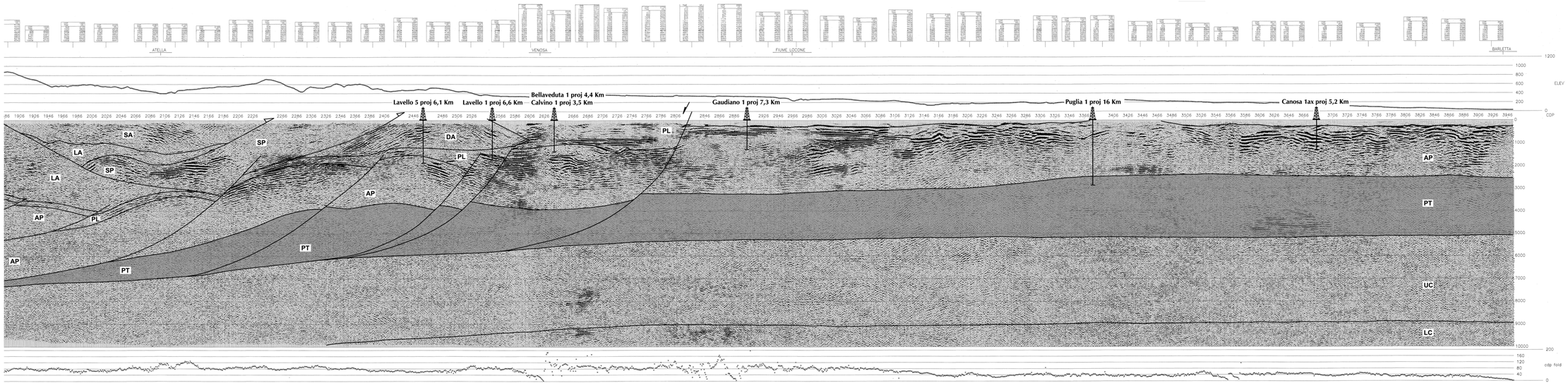
INTERPRETATION OF THE REPROCESSED CROP 04 SEISMIC LINE
INTERPRETAZIONE DELLA LINEA SISMICA CROP 04 RIPROCESSATA



PL Pliocene terrigenous deposits disconformably overlying the buried Apulia-carbonate duplex system and Plio-Pleistocene terrigenous deposits filling the foredeep basin **SA** Sannio Unit **LA** Lagonegro Units **DA** Daunia Unit **SP** Tufillo-Serra Palazzo Unit **AP** Apulia Platform **PT** Paleozoic-Triassic sedimentary cover of the Apulia basement **UC** Crystalline upper crust of Apulia **LC** Layered lower crust of Apulia

Crop04
DI.ST.EL.
Dipartimenti Scienze Terra e Elettronica – Milano

FIELD PARAMETERS

Data Recorded.....January 1990
Nominal Fold.....60
Vertical Fold.....4.25
Low Cut Filter.....8 Hz
Low Cut Slope.....18 dB/oct
High Cut Filter.....36.5 Hz
High Cut Slope.....48 dB/oct
Notch Filter.....Out
Instrument.....Sercel-388
Number of Vibrators.4
Vibrator Interval.....12.5
Sweep Frequency.....8 - 60 Hz
Sweep Length.....12 s
Vibrator Point.....4 per group, 10 Hz
Maximum Drive.....90 %
Maximum Force.....60 Tons
Record Code.....SEG-D Demux
Record Length.....10 s, 500+4.560m-9520m
Number of Groups.....240
Group Interval.....80 m

PROCESSING SEQUENCE

COMMON SHOT SORTING
1 Trace Edit
2 Noise Burst 4-7/35-40 Hz
3 Geometry Spherical Divergence
4 DECONV. BEFORE STACKING (datum)
Tapering manuale del first break
5 Cross-correlation with the vibroseis
6 AGC 800 ms WIN
7 COMMON OFFSET SORTING
8 Velocity
9 1D, 2D, 3D & RMS VELOCITY ANALYSIS
10 CONVENTIONAL STACKING
11 DECONVOLUZIONE F-X
Lunghezza Filtro.....40 tracce
Lunghezza Finestra.....4.000 ms
Lunghezza Finestra Temp.....400 ms
Sovrapposizione Finestre.....100 ms
12 PREDICTIVE DECONVOLUTION
Lunghezza Operatore.....200 ms
Lunghezza Finestra.....4.700,3900-10000 ms
13 COMMON MIDPOINT SORTING (Crossed line)
14 Offset sorting
15 Velocity Migrative Appl.
16 F-K MIGRATION
17 TIME VARIANT FILTER
18 AGC 800 ms WIN
19 FINAL STACKING
Stacking Velocities (Massimo Fisherz)
20 MIXING
21 RICONOSCIMENTO DELLE VELOCITA'
22 DECONVOLUZIONE
23 F-K MIGRATION
24 DECONVOLUZIONE F-X
Lunghezza Filtro.....40 tracce
Lunghezza Finestra.....1.8 secondi
Lunghezza Finestra Temp.....400 ms
Sovrapposizione Finestre.....100 ms

DATUM PLANE 400 m s.l.m.

Scala Orizzontale 1:50000
Scala Verticale 2,5 cm = 1 s

DISPLAY PARAMETERS

Mon Sep 27 08:57:13 1999
Trace/Inches = 21.75
Bias Percent = 0.0
Bias Value = 1435.64
Gain Constant = 1435.64
Polarity Normal
Scalar Normal = 0
Scalar Reverse = 0.0843
RMS Amplitude = 0.557244