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CROP

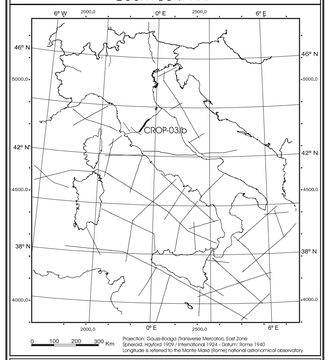
CNR Eni Enel

CROP ATLAS

SEISMIC REFLECTION PROFILES OF THE ITALIAN CRUST

CROP 03/b

LOCATION MAP



Projection: Gauss-Boaga (Transverse Mercator, East Zone
Spheroid: Hayford 1909 / International 1924 - Datum: Rome 1940
Longitude is referred to the Monte Mario (Rome) national astronomical observatory

SCALES:
HORIZONTAL 1: 100,000
VERTICAL 2.5 CM - 1 SEC
0 1 2 3 4 KM

DATUM PLANE : 500 m.

RECORDING DATA

RECORDING DATE: 1993/94

RECORDING PARAMETERS

CONTRACTOR.....IGG
RECORD LENGTH.....20 SEC
FILTER (-3 db).....6 HZ 18 DB/OCT
.....117 HZ 72 DB/OCT
NOTCH.....OUT
SAMPLING INTERVAL.....4 MSEC
COVERAGE.....32 FOLD
STATION INTERVAL.....60 M
DATUM PLANE.....+500 M
REPLACEMENT VELOCITY.....3000 M/S

SOURCE

ENERGY SOURCE.....DYNAMITE
SP INTERVAL.....50 M
SP NUMBER.....1
CHARGE.....150-30 KG
HOLE PER SP.....SINGLE
DEPTH OF CHARGE.....30-40 M

SPREAD

TYPE.....SPLIT
SPREAD.....5730-60M-0-60M-5730 M
NO. OF GROUPS.....192
GEOPHONES PER GROUP.....24
PATTERN CONFIG.....LIN 12 L 24
PATTERN LENGTH.....90 M
GROUP INTERVAL.....60 M
GEOPHONE TYPE.....10 HZ

LEGEND

▼ :INTERSECTION

COMMENTS

POLARITY CONVENTION

RECORDING : COMPRESSION NEG. NUMBER
PROCESSING : COMPRESSION NEG. NUMBER
DISPLAY : COMPRESSION PULSE TROUGH

PLAYBACK

- 1 TRACES EVERY 4 IS PLOTTED
-PRESENTATION..... VA
-RMS TRACE EQUALIZATION

Data processed by: **AGIP**

Cgm file generated by: **ENI-AGIP DIVISION**

PROCESSING SEQUENCE

PROCESSING DATE: 1995

REFORMAT
-INPUT FORMAT : SEGY

RESAMPLING
-TO 4 MS

BAD TRACES EDITING

GEOMETRY AND FIELD STATICS (IGHAT)
-SKEW CORRECTION
-TOPOGRAPHIC CORRECTION COMPUTATION
-CROOKED PROFILE ADJUSTMENT

AMPLITUDE DECAY RECOVERY

STATICS RECOGNITA/RISO AND IGHAT

CARRAY STRUCTURE

MINIMUM PHASE SHAPING

TRACE EQUALIZATION
-RMS 2000 MS

DECONVOLUTION
-TYPE : PREDICTIVE MIN.PHASE INV.FILTER
OP.36-168 MS WN 1%
-TRACES BALANCE TO RMS 2000

PRELIMINARY VELOCITY ANALYSIS

SURFACE CONSISTENT RESIDUAL STATICS

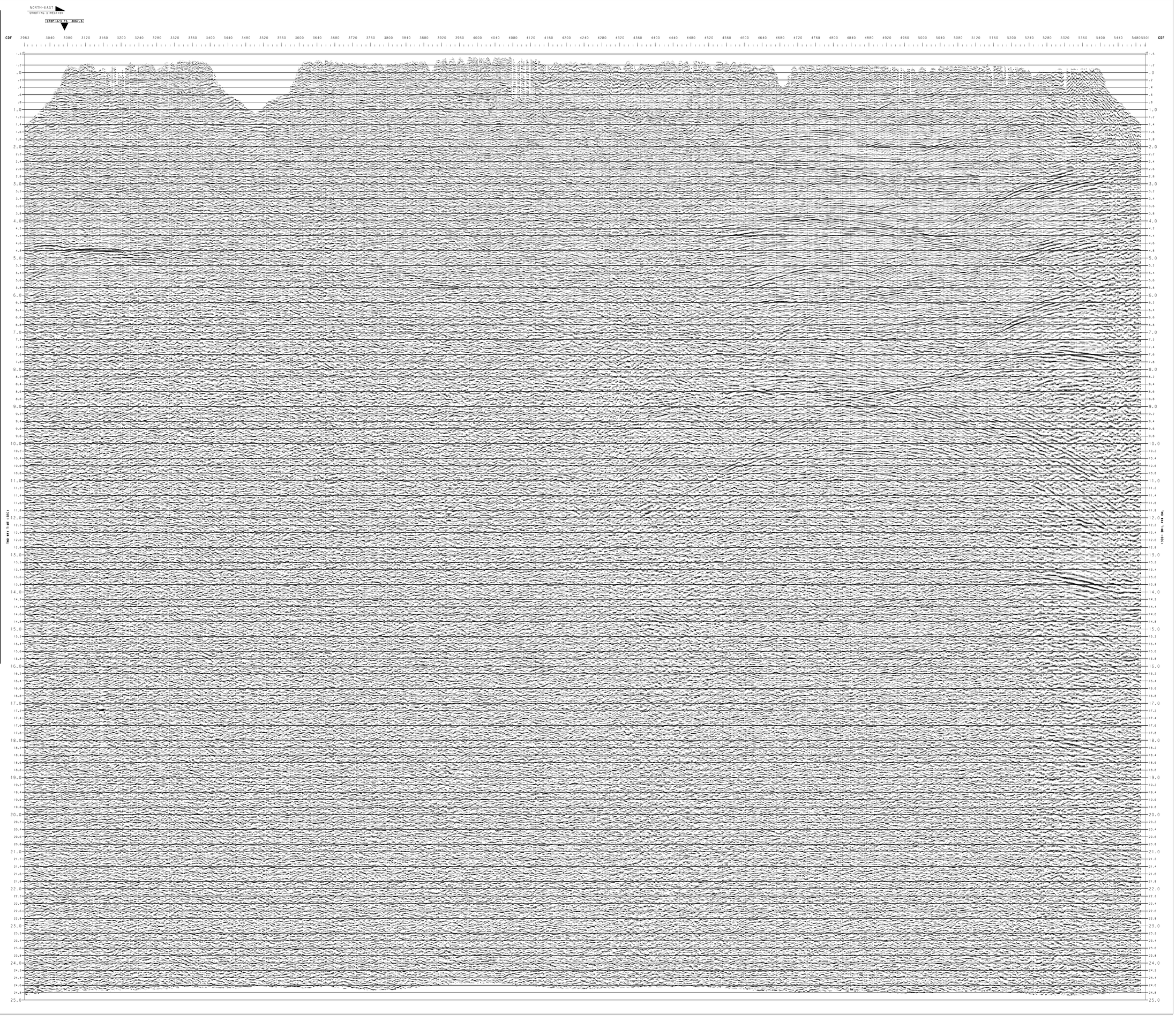
FINAL VELOCITY ANALYSIS

SURFACE CONSISTENT RESIDUAL STATICS

RESIDUAL AMPLITUDE COMPENSATION

NMO
-CDP ORDERED DATA NMO CORRECTED
WITH FINAL VELOCITIES
-MUTE APPLIED TO REMOVE STRETCHED DATA
AND REFRACTED SIGNALS

STACK

F-X DECONVOLUTION

MULTICHANNEL FILTER
-RADIAL PREDICTIVE FILTER (RPF)