PLATE 59 - Attached to: Memorie Descrittive della Carta Geologica d'Italia VOL. LXII

Publication sponsored by
SERVIZIO GEOLOGICO D'ITALIA

CROP

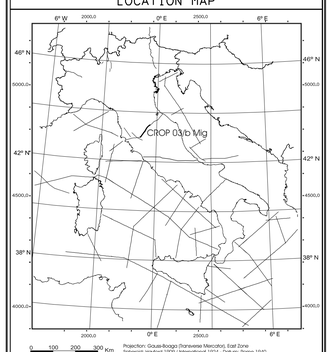
CNR Eni Enel

CROP ATLAS

SEISMIC REFLECTION PROFILES OF THE ITALIAN CRUST

CROP 03/b Mig

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 1997/96

RECORDING PARAMETERS

CONTRACTOR.....OGS
RECORD LENGTH.....16 SEC
FILTER L.C.....8 HZ 18 DB/OCT
H.C.....177 HZ 72 DB/OCT
NOTCH.....OUT
SAMPLING INTERVAL.....2 MSEC
COVERAGE.....32 FOLD
STATION INTERVAL.....60 M
DATUM PLANE.....500 M
REPLACEMENT VELOCITY.....3000 M/S

SOURCE

ENERGY SOURCE.....DYNAMITE
SP PER KM.....5.5
CHARGE.....15-30 KG
HOLE PER SP.....SINGLE
DEPTH OF CHARGE.....30-40 M

SPREAD

TYPE.....SPLIT
SPREAD.....5730-60W-0-60W-5730 M
NO. OF GROUPS.....192
GEOPHONES PER GROUP.....24
PATTERN CONFIG.....LIN 12 X 2
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 2 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 : SEG-Y

RESAMPLING

-TO 4 MS

BAD TRACES EDITING

GEOMETRY AND FIELD STATICS UPDATE

-SKEW CORRECTION
-CDP DATUM CORRECTION COMPUTATION
-CROOKED PROFILE ADJUSTMENT

AMPLITUDE DECAY RECOVERY

STATICS RECOMPUTATION AND UPDATE

ARRAY SIMULATION

MINIMUM PHASE SHAPING

TRACE EQUALIZATION

-WND 2000 MS

DECONVOLUTION

-TYPE: PREDICTIVE MIN PHASE INV.FILTER
OP 36-160 MS VA 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
-STATICS APPLICATION
-MUTE APPLIED TO REMOVE STRETCHED DATA
AND REFRACTED SIGNALS

DMO STACK

FX DECONVOLUTION

MULTICHANNEL FILTER

-RADIAL PREDICTIVE FILTER (RPF)

TIME MIGRATION

-FINITE DIFFERENCE (IMPLICIT) ALGORITHM
1 CASCADE
-USING SMOOTHED STACKING VELOCITY FIELD