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CROP

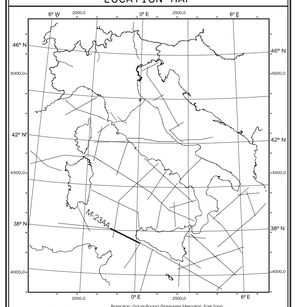
CNR Eni Enel

CROP ATLAS

SEISMIC REFLECTION PROFILES OF THE ITALIAN CRUST

LINE : M-23AA

LOCATION MAP



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

SCALES:
HORIZONTAL 1: 200.000
VERTICAL 2.5 CM - 1 SEC

0 1 2 3 4 5 KM

DATUM PLANE : SEA LEVEL

RECORDING DATA

RECORDING DATE: AUGUST -1995

RECORDING PARAMETERS

CONTRACTOR..... S.G.S.
VESSEL..... GGS EXPLORA
STREAMER..... SN 358-SWS
RECORD LENGHT..... 18 SEC
FILTER S/N..... OFF
SAMPLING INTERVAL..... 77 M2 TO 08/OCT
COVERAGE..... 45 FOLD

SOURCE

ENERGY SOURCE..... AIRGUN
AVG. SOURCE DEPTH..... 8 M
N.OF SOURCES (SUBARRAY)..... 3
N.HYDROPHONES PER GROUP..... 12
SHOT INTERVAL..... 50 M

CABLE

STREAMER..... 4500 M
N.OF GROUPS..... 180
HYDROPHONES PER GROUP..... 12
GROUP INTERVAL..... 25 M
AVG. CABLE DEPTH..... 12 M

BOAT DIAGRAM

LEGEND

▼ INTERSECTION

COMMENTS

POLARITY CONVENTION

RECORDING : COMPRESSION WAS NUMBER
PROCESSING : COMPRESSION WAS NUMBER
DISPLAYED : COMPRESSION PULSE TROUGH

PLAYBACK

1:1 TRACES EVERY 4 IS PLOTTED
-PRESERVED AMPLITUDES..... V4
-RMS TRACE EQUALIZATION

Data processed by: **AGIP**

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

PROCESSING SEQUENCE

PROCESSING DATE: MAY 1996

CODE-4 CONVERSION
-SEGD TO CODE4 CONVERSION

RESAMPLING
-TIME SAMPLING TO 8 MS

GEOMETRY UPDATE

PREFILTER
-WNO 0.0 17.0 SEC 2/24 - OUT HZ/DB

ENERGY SIMULATION
-APPLIED ON SHOT DOMAIN WITH 2 WNO
3 SEC FROM 5.0 8.25/0.20/0.25
8 SEC 8.10/0.20/0.40/0.20/0.10
-CHANNELS REDUCTION TO 98

TRACE EQUALIZATION
-OUTPUT RMS LEVEL..... 2000
-WINDOWS..... 512-1024 MS

DECONVOLUTION
-TYPE: PREDICTIVE MIN.PHASE INV.FILTER
1 WNO OP 12-388 MS WN 15
-TRACES BALANCE TO RMS 2000

PRELIMINARY VELOCITY ANALYSIS
-VARIABLE PARAMETERS BY
INTERACTIVE WORK-STATION
ANALYSIS INTERVAL..... 15 KM
CDP'S USED..... 11

MULTIPLE ATTENUATION 1
-F-K DOMAIN FILTER
APPLIED ON CDP GATHERS NMO CORRECTED
BY MULTIPLE VELOCITY FIELD AND
PASS ONLY NEGATIVE EVENTS

VELOCITY ANALYSIS
-VARIABLE PARAMETERS BY
INTERACTIVE WORK-STATION
ANALYSIS INTERVAL..... 5 KM
CDP'S USED..... 11

NMO / STACK 45DB%
-CDP ORDERED DATA NMO CORRECTED
WITH FINAL VELOCITIES
-OUTSIDE MUTE APPLIED TO REMOVE
NMO STRETCHED DATA AND REFRACTED SIGNALS
-INSIDE MUTE

ZERO PHASE CONVERSION
-OPERATOR STATISTICALLY COMPUTED

F-X DECON
STARTING ABOVE 7.0 SEC WIN 1.0
7 TRACES 12+/-48 MS/TR REJECT
WNO 0.0-1.3 SEC DIP -9/+9 MS/TR
TIME VARIANT FEEDBACK..... 88%

TIME VARIANT FILTER

5.0 5	8/24 - 60/48	HZ-DB/OCT
9.0 8	6/20 - 48/48	HZ-DB/OCT
17.0 5	2/16 - 28/48	HZ-DB/OCT