PLATE 29 - Attached to: Memorie Descrittive della Carta Geologica d'Italia VOL. LXII

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CROP

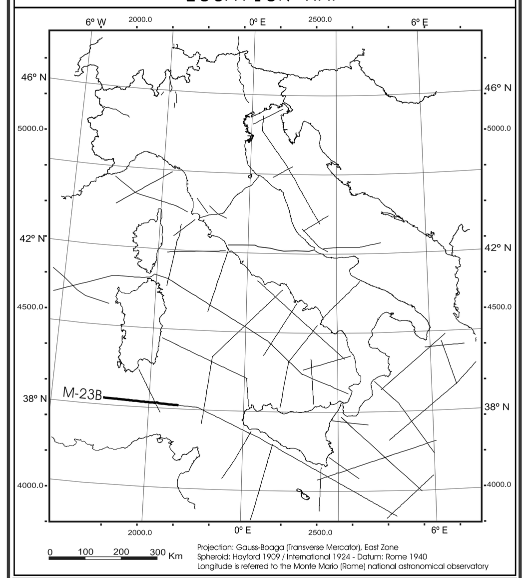
CNR Eni Enel

# CROP ATLAS

## SEISMIC REFLECTION PROFILES OF THE ITALIAN CRUST

# LINE : M-23B

## 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: 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.................... O.G.S.
VESSEL.................... OGS EXPLORA
SYSTEM.................... SN 358-DMX
RECORD LENGHT.................... 17000 MS
FILTER L.C.................... OUT
H.C.......... 77 HZ 70 DB/OCT
SAMPLING INTERVAL.................... 4 MS
COVERAGE.................... 45 FOLD

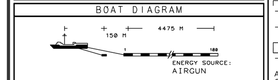
### SOURCE

ENERGY SOURCE.................... AIRGUN
AVG. SOURCE DEPTH.................... 8 M
N. GUNS FOR SUBARRAY.................... 8
HYDROPHONES FOR GROUP.................... 32
SHOT INTERVAL.................... 50 M

### CABLE

SINGLE
STREAMER.................... 4500 M
N.OF GROUPS.................... 180
HYDROPHONES FOR GROUP.................... 32
GROUP INTERVAL.................... 25 M
AVG.CABLE DEPTH.................... 12 M

## BOAT DIAGRAM




## 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: MAY 1996

### CODE-4 CONVERSION

-SEGD TO CODE4 CONVERSION

### RESAMPLING

-TIME SAMPLING TO 8 MS

### GEOMETRY UPDATE

### PREFILTER

-WND 0.0 17.0 SEC 2/24 - OUT HZ/DB

### ARRAY SIMULATION

-APPLIED ON SHOT DOMAIN WITH 2 WND
3 SEC FROM S.B. 0.25/0.50/0.25
8 SEC 0.10/0.20/0.40/0.20/0.10
-CHANNELS REDUCTION TO 90

### TRACE EQUALIZATION

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

### DECONVOLUTION

-TYPE: PREDICTIVE MIN.PHASE INV.FILTER
3 WND OP 32-300 MS WN 1%
-TRACES BALANCE TO RMS 2000

### PRELIMINARY VELOCITY ANALYSIS

-VARIABLE PARAMETERS BY
INTERACTIVE WORK-STATION
ANALISYS INTERVAL....................15 KM
CDF'S USED ....................11

### MULTIPLE ATTENUATION

-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
ANALISYS INTERVAL....................5 KM
CDF'S USED ....................11

### NMO / STACK 4500%

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

### ZERO PHASE CONVERSION

-OPERATOR STATISTICALLY COMPUTED

### F-K FILTER

STARTING ABOUT 2 SEC FROM S.B.
+-12/+-40 MS/TR REJECT

### MULTICHANNEL FILTER

-APPLIED ON STACK DATA
-RADIAL PREDICTIVE FILTER (RPF)
7 TRACES
WND 0.0-1.3 SEC DIP -9/+9 MS/TR
TIME VARIANT FEEDBACK....................80%

### TIME VARIANT FILTER

| | | | |
|---|---|---|---|
| S.B. | S | 4/24 - 65/48 | HZ-DB/OCT |
| 5.0 | S | 2/24 - 40/48 | HZ-DB/OCT |
| 17.0 | S | 2/36 - 20/60 | HZ-DB/OCT |