PLATE 30 - Attached to: Memorie Descrittive della Carta Geologica d'Italia VOL. LXII

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CROP

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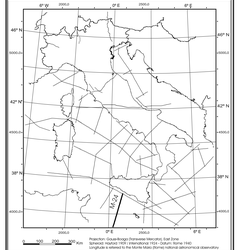
CROP ATLAS

SEISMIC REFLECTION PROFILES OF THE ITALIAN CRUST

LINE : M-24

LOCATION MAP



SCALES:
HORIZONTAL 1: 200,000
VERTICAL 2.5 CM - 1 SEC

DATUM PLANE : SEA LEVEL

RECORDING DATA
RECORDING DATE : 1993

RECORDING PARAMETERS
CONFIGURATION 6-3
SPACING 100, 337.5m
RECEIVER INTERVAL 37.5m
RECEIVER LENGHT ..... 7700 m
FILTER (-3) ..... 11 HZ TO 55 HZ
SAMPLING INTERVAL ..... 4 msec
COVERAGE ..... 30 FOLD

SOURCE
ENERGY SOURCE DEPTH ..... 6/9m(v)
SHOT INTERVAL ..... 50 m
RECEIVER DEPTH ..... 25 m
SHOT INTERVAL ..... 50 M

CABLES
SINGLE
NUMBER ..... 3000 M
LENGHT ..... 3000 M
RECEIVERS PER GROUP 6
GROUP INTERVAL 37.5
MAX CABLE DEPTH ..... 25 M

BOAT DIAGRAM

LEGEND

COMMENTS

PROCESSING SEQUENCE
PROCESSING DATE : 1997

DEMUX & ACQUISITION
1500 TO 10000 CHANNELS DEMUX

REGULARIZING
- TIME SAMPLING TO 2 MS

GEOMETRY UPDATE

PROFILES
VRO 8-8 11 FOLD - 1/64 " OUT HI/100

AREAL SIGNATURE
APPLICATION SHOT NUMBER 8 (1-8-1 SHOT 8)
APPLICATION SHOT NUMBER 8 (1-8-1 SHOT 8)
- CHANNELS REDUCTION TO 48

TRACE EQUALIZATION
OUTPUT AMPLITUDES 2000
PERIODS ..... 512/1800 MS

DECONVOLUTION
TYPE: PREDICTIVE SPIKING DECONVOLUTION
OPERATOR LENGTH ..... 160 MS
TRACES BALANCE TO RMS 2000

VELOCITY ANALYSIS
VELOCITY ANALYSIS
VARIABLE PARAMETERS BY
CDP INTERVAL ..... 15 KM
CDP'S USED 11

MULTIPLE ATTENUATION
F-K DOMAIN FILTER
F-K DOMAIN FILTER WITH VELOCITIES AND CORRECTED
- PASS ONLY NEGATIVE EVENTS

RESIDUAL STATICS
VARIABLE PARAMETERS BY
CDP INTERVAL ..... 5 KM
CDP'S USED 11

STACK
- STACK WITH MEDIAN
- USE WATER VELOCITY
- USE 3 TRACES TO REMOVE
- TRACES WEIGHTED ACCORDING TO SIGNALS - NOISE RATE

DMO
DMO STACK CORRECTION
UPWARDS DIP/DIFFRACT CORRECTED

F-K FILTER
STARTING ABOUT 2 SEC FROM 3 TO
- 12/-18 HZ/KM MUTE REJECT

MULTICHANNEL FILTER
APPLIED ON STACK DATA
APPLIED ON STACK DATA WITH VARY-
VARIABLE PARAMETERS BY
CDP INTERVAL ..... 2 KM
TIME VARIANT FILTER ..... 3/-9/-9 HZ/KM
TIME VARIANT FILTER 90%

TIME VARIANT FILTER
1 (0 - 2) 0/24 - 40/48 HZ/DB/OCT
2 (2 - 5) 0/24 - 40/48 HZ/DB/OCT
3 (5 - 7) 0/24 - 28/48 HZ/DB/OCT

PUBLISH
- TRACES EVERY 4 TO PLOTTED
PRESSURE 1/4
AMP. TRACE EQUALIZATION

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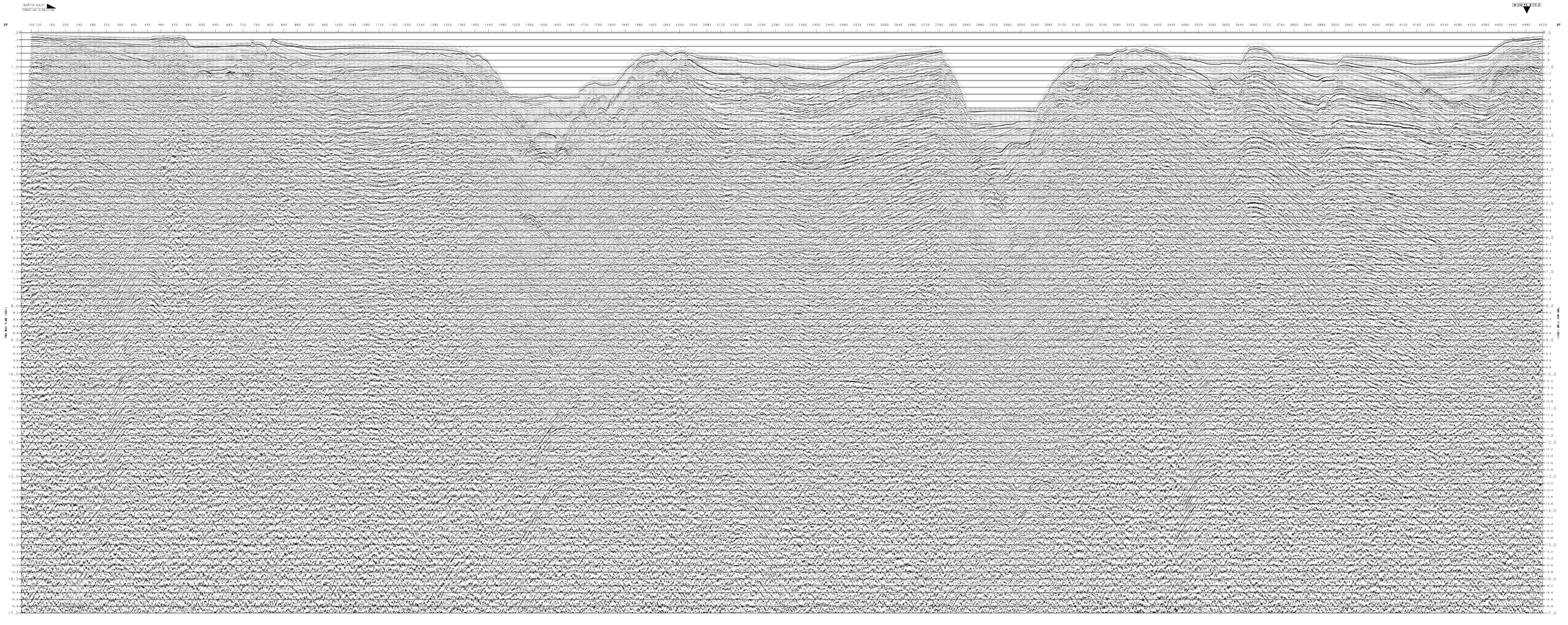
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