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**SERVIZIO GEOLOGICO D'ITALIA**

CROP

## CROP ATLAS

SEISMIC REFLECTION PROFILES  
OF THE ITALIAN CRUST

# LINE : M-15

LOCATION MAP

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

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

**DATUM PLANE : SEA LEVEL**

RECORDING DATA	PROCESSING SEQUENCE
RECORDING DATE: AUGUST, 1995	PROCESSING DATE: 1997
<b>RECORDING PARAMETERS</b>	<b>CODE-4 CONVERSION</b>
CONTRACTOR ..... OGS EPIGEA	-SEGO TO CODE4 CONVERSION
VESSEL ..... SN 358-DMA	<b>RESAMPLING</b>
SYSTEM ..... 17000 MS	-TIME SAMPLING TO 8 MS
RECORD LENGTH ..... 77 70' 08" OCT	<b>GEOMETRY UPDATE</b>
FILTER L.C. ....	<b>PREFILTER</b>
SAMPLING INTERVAL ..... 45 40 MS	-WIND 0.0 17.0 SEC 2/24 - OUT HZ/DB
COVERARGE ..... 0.0	<b>ARRAY SIMULATION</b>
<b>SOURCE</b>	-APPLIED ON SHOT DOMAIN WITH 3 20/8, 25 8 SEC FROM 5.0 10/8, 28/8, 42/8, 20/8, 10
ENERGY SOURCE ..... AIRGUN	-CHANNELS REDUCTION TO 98
AVG. SOURCE DEPTH ..... 8 M	<b>TRACE EQUALIZATION</b>
N. GUNS FOR SUBARRAY ..... 9	-OUTPUT RMS LEVEL ..... 2000
N. OF GUN GROUPS ..... 3	-WINDOWS ..... 512-1024 MS
HYDROPHONES FOR GROUP ..... 180	<b>DECONVOLUTION</b>
INTERVAL ..... 10	-TYPE: PREDICTIVE PHASE INV. FILTER
AVG. CABLE DEPTH ..... 12 M	3 WND OP 57-300 HSE INV. FILTER
<b>CABLE</b>	3 WND OP 57-300 HSE INV. FILTER
SINGLE ..... 4500 M	-TRACES BALANCE TO RMS 2000
STRIPER ..... 180	<b>PRELIMINARY VELOCITY ANALYSIS</b>
HYDROPHONES FOR GROUP ..... 180	-VARIABLE PARAMETERS BY
INTERVAL ..... 10	INTERACTIVE WORK-STATION
AVG. CABLE DEPTH ..... 12 M	ANALYSIS INTERVAL ..... 15 KM
<b>BOAT DIAGRAM</b>	CDP'S USED ..... 11
	<b>MULTIPLE ATTENUATION</b>
ENERGY SOURCE: AIRGUN	-1/K DORNEN FILTER
<b>LEGEND</b>	APPLIED ON CDP GATHERS WHO CORRECTED
INTERSECTION	BY MULTIPLE VELOCITY FIELD AND
<b>COMMENTS</b>	PASS ONLY NEGATIVE EVENTS
<b>POLARITY CONVENTION</b>	<b>VELOCITY ANALYSIS</b>
RECORDING : COMPRESSION NEG. NUMBER	-VARIABLE PARAMETERS BY
PROCESSING : COMPRESSION NEG. NUMBER	INTERACTIVE WORK-STATION
DISPLAY : COMPRESSION PULSE THROUGH	ANALYSIS INTERVAL ..... 5 KM
<b>PLAYBACK</b>	CDP'S USED ..... 11
-1 TRACES EVERY 4 IS PLOTTED ..... VA	<b>NMO / STACK 4500S</b>
-PRESENTATION	-CDF ORDERED DATA WHO CORRECTED
-RMS TRACE EQUALIZATION	-OUTSIDE MUTE APPLIED TO REMOVE
	STRETCHED DATA AND REFRACTED SIGNALS
	-INSIDE MUTE
	<b>ZERO PHASE CONVERSION</b>
	-OPERATOR STATISTICALLY COMPUTED
	<b>F-K FILTER</b>
	STARTING ABOUT 2.127+40 HSE/TR REJECT
	<b>MULTICHANNEL FILTER</b>
	-APPLIED ON STACK DATA
	RADIAL PREDICTIVE FILTER (RPF)
	7 TRACES
	WIND 0.0 17.0 SEC DIP -97-9 HSE/TR
	TIME VARIANT FEEDBACK ..... 88%
	<b>TIME VARIANT FILTER</b>
	3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
	2.0 3.0 4/24 - 20/48 HZ-DB/OCT
	17.0 5 2/36 - 10/48 HZ-DB/OCT

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

