

Publication sponsored by
SERVIZIO GEOLOGICO D'ITALIA

CROP

CNR **Eni** **Enel**

CROP ATLAS
SEISMIC REFLECTION PROFILES
OF THE ITALIAN CRUST

LINE : M-2AA

LOCATION MAP

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

DATUM PLANE : SEA LEVEL

RECORDING DATA		PROCESSING SEQUENCE	
RECORDING DATE: 1991	PROCESSING DATE: 1991	REFORMAT	-SEG TO XSS FLOATING POINT
RECORDING PARAMETERS		RESAMPLE INC	-TIME SAMPLING TO 6 MS
CONTRACTOR: OGS EPI/ESA	VESSEL: 50 EPI/ESA	GEOMETRY UPDATE	
RECORD LENGTH: 17000 MS	FILTER: 0	TRACE SUM	-SUM OF TWO ADJACENT TRACES WITH APPLICATION OF DIFFERENTIAL AND
SAMPLING INTERVAL: 77 Hz TO 08/02	COVERAGE: 4 FOLDS	AMPLITUDE RECOVERY	USING THE FOLLOWING SYNTHETIC GAIN FUNCTION: 0.01 X T - 1.5+20LogT+10+1
SOURCE		DECONVOLUTION	TYPE: PREDICTIVE PHASE INV FILTER OF 50-300 MS
ENERGY SOURCE: AIRGUN	AVG. SOURCE DEPTH: 50 M	MULTIPLE ATTENUATION	APPLICATION OF MEDIAN FILTER TO COP GATHERS CORRECTED FOR MULTIPLE VELOCITIES
CHARGE: 1000 KG	CHARGE DEPTH: 10 M	ARRAY SIMULATION	TIME VARYING LATERAL MIX OF FIVE TR. APPLIED IN THE COMMON SHOT DOMAIN
CABLE		VELOCITY ANALYSIS	USING COMMON HORIZONTAL VELOCITY FUNCTION STACKS AND GATHERS AT AN AVERAGE INTERVAL OF 2.5 KM. GATHERS DISTANCE GATHERS AT THE POINT OF THE VELOCITY FUNCTION
SINGLE: 4000 M	N. OF GROUPS: 180	END OF STACK ERROR	COP ORDERED DATA AND CORRECTED FOR LATERAL VELOCITIES
GROUP INTERVAL: 25 M	AVG. CABLE DEPTH: 10 M	NOISE FILTER	APPLICATION OF FIVE LATERAL ATTENUATING DEFS GREATER THAN 8 MS/TR TO 50% OF THEIR ORIGINAL AMPLITUDE
BOAT DIAGRAM		TRACES MIX	APPLICATION OF TIME VARYING 3 TRACE LATERAL MIX TO REDUCE STEEPLY DIPPING NOISE
LEGEND		TIME VARYING FILTER	200 MS ZERO PHASE BANDPASS FILTER APPLIED TO FOLLOW THE WATER BOTTOM
COMMENTS			
PROPERTY CONVENTION			
PLAYBACK			

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

