AREA: ITALY ZONE 3
PERMIT: SAN PROCOLO

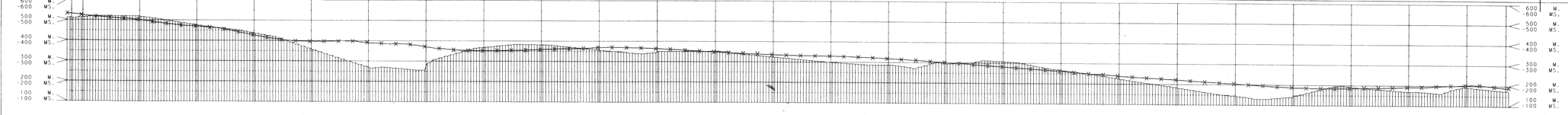
NORTH-EAST

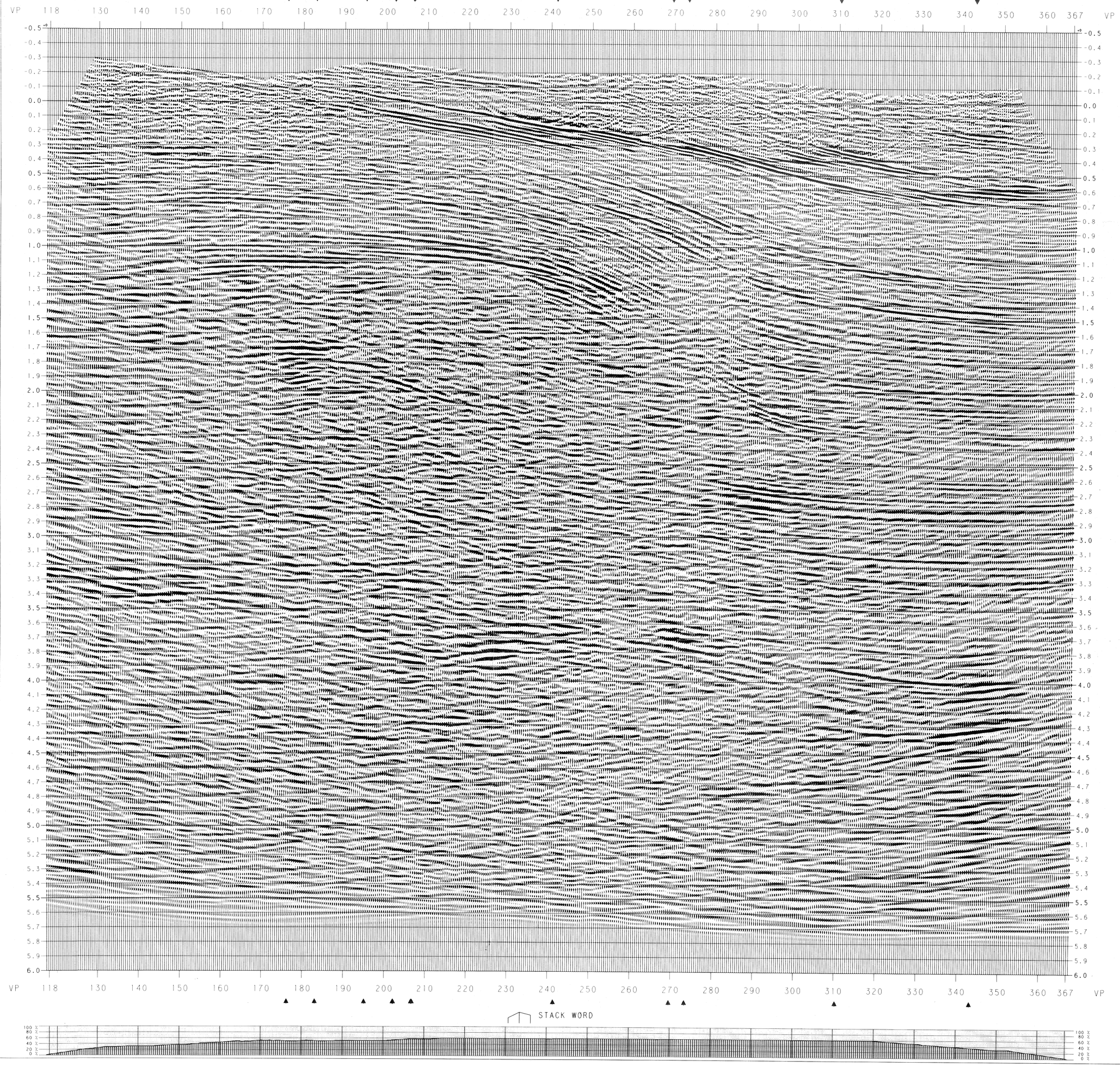
MIGRATION

LINE: AP-409-88-V
VP 117 TO VP 367

S O R I

Allegato	Data	Dis.n.
2	GEN.89	572/2





Geoitalia

RECORDING DATA

SHOT BY: GIT-2.
DATA SHOT: JULY 1988.

DATUM PLANE / STATICS INFO.

DATUM PLANE: SEA LEVEL
WEATHERING VELOC.: 600 M/SEC
VEL.USED FOR STAT.CORR: 2000 M/SEC

INSTRUMENTS

RECORDING SYSTEM: SERCEL 348
FORMAT: SEG B
RECORDING LOWCUT FILT.: 8 HZ 12DB/OCT
ANTIALIAS.FILTER: 125 HZ 72DB/OCT
NOTCH FILTER: OUT
SAMPLE RATE: 2 MS
RECORD LENGTH: 6 SEC

SOURCE

ENERGY SOURCE: VIBROSEIS
NO. OF VIBRATORS: 4
SWEEP TYPE: LINEARE
SWEEP LENGTH: 12 SEC
SWEEP FREQUENCY: 12 HZ 70 HZ

UPWARD GROUND MOTION = NEG. NUM. ON TAPE

SISMOMETER ARRAY

GEOPHONES PER GROUP: 24
GEOPHONE TYPE: SM 4
GEOPHONE FREQUENCY: 14 HZ

SPREAD CONFIGURATION

N. OF GROUPS: 120
GROUP INTERVAL: 55 M
SUBSURFACE COVERAGE: 6000 %

DIRECTION OF SHOOTING
NORTH-EAST

PROCESSING SEQUENCE

PROCESSED BY: GEOITALIA
DATE PROCESSED: OCTOBER 1988

DEMULTIPLEX TO S.R. 4

GEOPHONE AMPLITUDE OUTPUT
ALL POINT DISPLAY FOR MANUAL EDITING

PHASE COMPENSATION

SWEEP AUTOCORRELATION SHAPED TO MINIMUN PHASE

PREPROCESSOR

- GEOMETRIC SPREADING GAIN APPLIED

DECON

- DECONVOLUTION
TYPE : MINIMUM PHASE INVERSE FILTER
NO. OF WINDOWS: 5
MIN/MAX PREDICTION DIST. 4 - 240 MS
WHITE LIGTH: 1 %
TRACE BALANCE ON OUTPUT AND CDP SORT

SURFACE CONSISTENT RES. STATICS

MISER™

ADA

NOISE SUPPRESSION ROUTINE

INVERSE NMO

VELOCITY ANALYSIS

DIP MOVE OUT

NMO,STATICS,MUTE APPLICATION

DISTANCE DEPENDENT MUTE
DIST.(M) 263 388 963 2188
MUTE(MS) 10 250 700 1300

6000 % STACK

RADIAL PREDICTIVE FILTER

SEVENTEEN TRACE OPERATOR
FEED BACK : 75 TO 80 PCNT

TIME VARIANT FILTER

TIME (SECS)	L.C. (HZ.DB/OCT)	H.C.
100	14/24	65/48
2.000	12/24	60/48
6.000	10/24	40/48

ZERO PHASE SHAPING

STATISTICAL APPROACH

RMS GAIN

GAIN WINDOW PROGRESSIVELY DOUBLED FROM 100 MS TO 400 MS

MIGRATION

FULL PHASE SHIFT
VELOCITY FUNCTION REDUCED BY 5% TO 15%

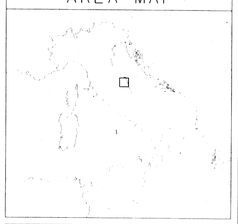
TIME VARIANT FILTER

TIME (SECS)	L.C. (HZ.DB/OCT)	H.C.
100	14/24	65/48
2.000	12/24	60/48
6.000	10/24	40/48

PLAYBACK

PLOT DIRECTION L TO R
NEGATIVE NUMBER = WHITE TROUGHS

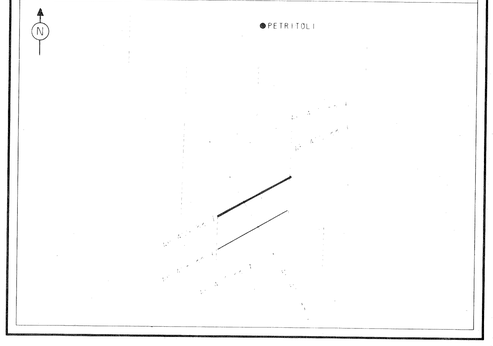
AREA MAP



SCALES

HORIZONTAL 1:12,500
VERTICAL 100MS/SEC
0 0.5 KILOMETRE

LEGEND
VELOCITY FUNCTION INTERSECTIONS

Q.C. FOR GEOITALIA

LINE LOCATION MAP