

43



All.3

SORI

WESTERN RICERCHE GEOFISICHE
MILAN - ITALY

AREA BR-167-SV (ADRIATICO) DATE OF RECORDING MARCH, 1987
DATE OF PROCESSING APRIL/JUN, 1987

RECORDING DATA

BOAT
 SHIP BY: GEITALIA
 VESSEL: GEITALIA L
 PRIMARY NAVIGATION SYSTEM: ST/EDIS
 SECOND. NAVIGATION SYSTEM: SAT. NAV.

SOURCE
 HIGH PRESSURE AIR GUN: 1270 CB. I
 SOURCE DEPTH: 9 M
 NUMBER OF POPS PER KM: 28.63
 S.P. INTERVAL: 28.63

INSTRUMENTS
 AMPLIFIER: 800-184
 REC. FILTERS HZ: LOW 1207-18 80/80C
 REC. FILTERS HZ: HIGH 1800-156 80/80C
 RECORD LENGTH: 8 SECS
 SAMPLE RATE: 500 S/M

CABLE
 GROUPS: 240
 GROUP INTERVAL: 13.33 M
 ANTENNA FROM CENTER OF NEAR GROUP: 215 M
 ANTENNA FROM CENTER OF FAR GROUP: 115 M
 SOURCE TO CENTER OF NEAR GROUP: 100 M
 CENTER TO NEAR GROUP TO FAR GROUP: 3187 M
 CABLE DEPTH: 6-7 M

PROCESSING SEQUENCE

SEG-D CONVERSION
 PROCESSING SAMPLE RATE: 6000 MS
 PROCESSING RECORD LENGTH: 28.63

INSTRUMENT PHASE COMPENSAT.
 INSTR. RESPONSE CONVERTED TO MIN. PHASE

QUALITY CONTROL
 NEAR TRACE DISPLAY AND 100%
 ADJACENT TRACE SUM

PREPROCESSOR - DBS
 COMMON WIDENING FAMILY
 GEOMETRIC SPREADING GAIN APPLIED: 128-128-7200
 DECONVOLUTION: MIN. PHASE INVERSE FILTER
 LENGTH OF ACTIVE OPERATOR: 200
 MINIMUM PREDICTIVE LAG: 4
 PERCENT WHITE LIGHT: 1.0

DIP WAVELET
 COMMON OFFSET 3001
 N.W.S. (PREPROCESS VELOCITIES):
 500 STP LTRF ON 80 TO 5512008
 LATERAL STP FROM SOURCE TO 5512008

COMMON OFFSET MIGRATION
 F/R STYL. ALGORITHM USING
 WATER VELOCITY (1450 M/SEC)

INVERSE N.W.S.
 VELOCITY ANALYSIS

MATRIX FUNCTION VELAN PLUS
 VELOCITY RANGE: 1400-5000
 VELOCITY INCREMENT: 100
 CONSTANT VELOCITY STK ON 9 CDF/ANALYSIS

5 X 12 N.W.S. STACK
 DYNAMIC CORRECTION
 WAVE GEOMETRY/OFFSET/WAVE TIME:
 1500/1600 2272/2500

D.A.S.
 AUTOCORR. WINDOW LENGTH: 2 X 2000
 OPERATOR LENGTH: 200
 MIN. PRED. DISTANCE: 0.8
 PERCENT WHITE LIGHT: 0.1

TRACE INTERPOLATION
 GROUP INTERVAL FROM 20.6 TO 15.3 MT

MIGRATION
 TO RESIDUAL - 3 CASCADE MIGRATION
 VELOCITIES SMOOTHED OVER 1 CABLE LENGTH

TIME VARIANT FILTER

LEGEND
 TIME: FREQUENCY
 0.100: 1600 1800 2000 2200
 0.200: 1000 1200 1400 1600
 0.300: 800 1000 1200 1400
 0.400: 600 800 1000 1200
 0.500: 500 600 800 1000
 FILTERS INTERPOLATED IN TIME AND SPACE

GENERALIZED MEAN GAIN

COMMENTS
 DATUM PLANE IS SEA LEVEL.
 DMO AND DMO DEPTH CORRECTION BY 12MS
 HAS BEEN APPLIED IN THE PRE-PROCESSING.
 CORRECTION PLUS RECORD IS NEGATIVE
 NUMBERS ON TAPE AND PLOT AS (TOWERS WHITE)

AREA MAP



SCALES
 HORIZONTAL: 1:25,000
 VERTICAL: 1:10,000

LEGEND
 INTERSECTIONS
 W.D. WATER DEPTH
 VELOCITY FUNCTION
 D.C. FOR W.R.G.

LINE LOCATION MAP

