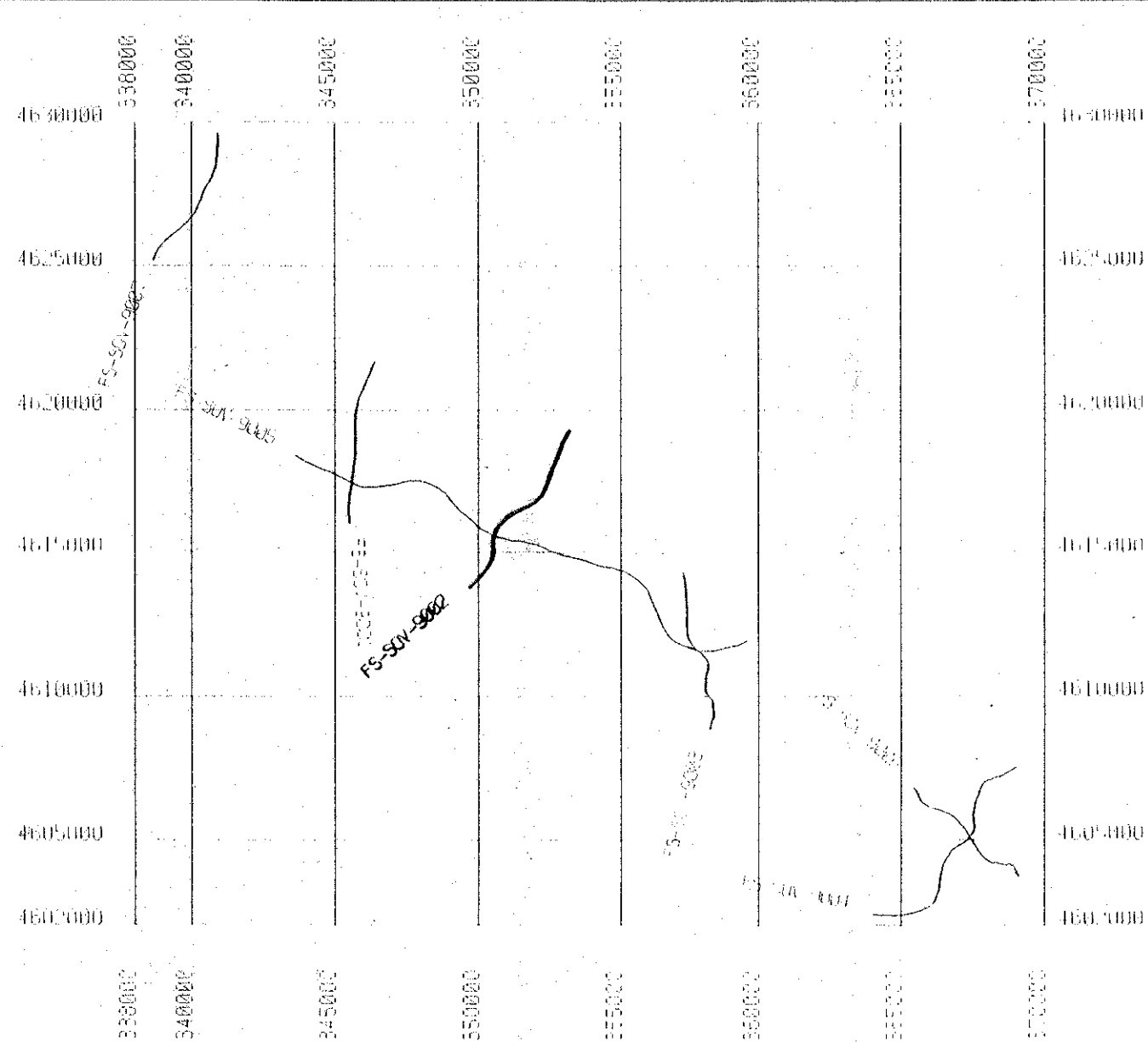


LINE # FS-SOV-9002

CDP'S # 1 - 459

AREA : FIUME SACCO, ITALY

[illegible]

## FIELD PARAMETERS

RECORDED BY                    ■ SIMON-HORIZON LTD  
PARTY NO.                     ■ LC5  
RECORDING DATE              ■ DECEMBER 1980

SOURCE VIBROSEIS

|                   |   |                                |                   |   |            |
|-------------------|---|--------------------------------|-------------------|---|------------|
| SOURCE TYPE       | # | VIBROSETS                      | SWEEP FREQUENCIES | # | 10-70 Hz   |
| NO. OF VIBRATORS  | # | 4                              | SWEEP LENGTH      | # | 26 S       |
| NO. OF SHEEPS     | # | 5                              | VIB SEPARATION    | # | 12 M < B > |
| MOVE UP PER SHEEP | # | 5 M < A >                      | ARRAY LENGTH      | # | 56 M       |
| V.P. INTERVAL     | # | 30 M                           |                   |   |            |
| CENTRE OF ENERGY  | # | 15 M IN FRONT OF STATION < C > |                   |   |            |

SOURCE ARRAY

CENTRE OF GEOPHONE ARRAY

<
C
>
  
8
  
<B>
9
10
11
12
  
13
14
15
16
  
17
18
19
20

TOTAL ARRAY LENGTH = 56 M

## RECEIVERS

```

TRACES PER RECORD  # 120
STATION INTERVAL   # 30 M
GEOPHONES/STATION  # 24
GEOPHONE TYPE      # SMAU 200Hz
NEAR TRACE OFFSET  # 75 M

ARRAY LENGTH       # 28.75 M
PATTERN            # 2 STRINGS OF
                  # 12 PHONES
SPLIT SPREAD      # 60/60
FAR TRACE OFFSET  # 1045 M

```

## RECEIVER\_ARRAY

[illegible]

## RECORDING

INSTRUMENT TYPE   # SN348/C52S02                 RECORD LENGTH   # 5 S  
SAMPLE RATE       # 2 MS.                         FORMAT          # SEGB 6250 BP1  
LOW CUT FILTER     # 8 Hz 12 dB/OCT              HIGH CUT FILTER   # 125 Hz 72 dB  
NOTCH FILTER       # OUT                                                                         OCT

POLARITY# UPWARD MOVEMENT OF GEOPHONE RECORDED AS NEGATIVE VALUE ON TAPE

## PROCESSING SEQUENCE

PROCESSED BY           # SIMON-HORIZON LTD  
DATE                   # DECEMBER 1990 - MAY 1991  
PROCESSED TO           # 5 S  
DISPLAYED TO           # 5 S  
SAMPLE RATE            # 4 MS.

- |                                  |                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. DEMULTIPLEX                   | USING SEGMENT TO ORIGINATE INTERNAL FORMAT<br>AMPLITUDE COMPENSATION 91-28.0G(1)-50 db TO 2000 MS.                                                                                                                                    |
| 2. RESAMPLE                      | 1 TO 4 MS.                                                                                                                                                                                                                            |
| 3. CAP GATHER<br>AND TRACE EDIT  | 1 CROOKED LINE TECHNIQUE<br>NOMINAL 60 FOLD                                                                                                                                                                                           |
| 4. FIELD STATICS                 | 1 DIFFERENTIAL CORRECTIONS TO<br>FLIGHTING DATUM PLANE                                                                                                                                                                                |
| 5. DECONVOLUTION                 | 1 BAND LIMITED 10 - 70 Hz.<br>OPERATOR LENGTH 92 MS.<br>DESIGN WINDOW 14 MS.<br>NEAR TRACE 200 - 2500 MS.<br>FAR TRACE 700 - 5000 MS.<br>APPLICATION WINDOW<br>NEAR TRACE 0 - 5000 MS.<br>FAR TRACE 800 - 5000 MS.<br>WHITE NOISE 1 % |
| 6. 1ST VELOCITY<br>ANALYSIS      | 1 CONSTANT VELOCITY STACKS                                                                                                                                                                                                            |
| 7. NMO<br>APPLICATION            | 1                                                                                                                                                                                                                                     |
| 8. NUT                           | 1 OFFSET (M) 150, 240, 540, 700, 960, 1320, 1680<br>TIME (MS) 0, 140, 268, 580, 580, 700, 900<br>ALL LINES FOLLOWED BY 30 MS. TAPEX INTO LIVE DATA                                                                                    |
| 9. SCALING                       | 1 FIXED LENGTH WINDOW OF 400 MS.                                                                                                                                                                                                      |
| 10. CORRECTION TO<br>FINAL DATUM | 1 FROM FLIGHTING DATUM PLANE TO<br>NEAR SEAR LEVEL                                                                                                                                                                                    |
| 11. RESIDUAL<br>STATICS          | 1 SURFACE CONSISTENT<br>MAXIMUM STATIC +/- 30 MS.                                                                                                                                                                                     |
| 12. DIP MOVE OUT                 | 1 USING 30 OFFSET PLANES                                                                                                                                                                                                              |
| 13. 2ND VELOCITY<br>ANALYSIS     | 1 CONSTANT VELOCITY STACKS<br>(FROM FLIGHTING DATUM PLANE)                                                                                                                                                                            |
| 14. RESIDUAL<br>STATICS          | 1 CMP CONSISTENT<br>MAXIMUM STATIC +/- 6 MS.                                                                                                                                                                                          |
| 15. CAP STACK                    | 1 NOMINAL FOLD 60                                                                                                                                                                                                                     |
| 16. FX-NOISE<br>ATTENUATION      | 1 FX PREDICTIVE RANDOM NOISE ATTENUATION                                                                                                                                                                                              |
| 17. DECONVOLUTION                | 1 OPERATOR LENGTH 100 MS.<br>PREDICTIVE GAP 32 MS.<br>DESIGN WINDOW 0 - 2200 MS.<br>APPLICATION WINDOW 0 - 5000 MS.<br>WHITE NOISE 1 %                                                                                                |
| 18. BANDPASS<br>FILTERS          | 1 TIME (MS) PASSBAND (Hz)<br>0 - 500 20.25-50.00<br>1000 20.25-70.84<br>1500 20.25-66.72<br>1500 20.25-50.00<br>1700 16.28-50.68<br>2000 14.10-50.68<br>2300 14.10-45.54<br>3500 - 5000 11.14-40.40                                   |
| 19. TAU-P DIP<br>FILTER          | 1 USING 70% MIXBOX OF ORIGINAL TRACE.                                                                                                                                                                                                 |
| 20. SCALING                      | 1 DUAL WINDOW RCF METHOD WITH LENGTHS OF 1000 AND<br>250 MS. SHORT WINDOW STOPPED AT 1500 MS.<br>70% EQUALIZATION APPLIED                                                                                                             |

TOTAL STATIC CORRECTIONS = SUM OF DIFFERENTIAL, FINAL CORRECTIONS  
AND RESIDUAL STATICS.

## DISPLAY PARAMETERS

HORIZONTAL SCALE        \* 10 12.500  
VERTICAL SCALE        \* 10 CM/SEC.  
GAIN                    \* 1400  
BIAS                    \* 5 %  
POLARITY                \* NEGATIVE NUMBER PLOTTED AS WHITE TROUGH  
JOB NO.                \* L3.560

