

Party: 2903*

AGIP S.p.A.

SICILY
ZONE G

SSW 2185

LINE G82.113

1665 NNE

BOAT MOTION ←

PL N° 261

STACK 4800%.DBS.TVF

OCT 20 '82

FIELD RECORDING 4800 %
Contractor G.S.I.

DIGITAL PROCESSING P.5
Sequence in 4 ms

SHIP

M/V ARCTIC SEAL

NAVIGATION BY SYLEDIS

SHOOTING DATE JUNE 2 '82

INSTRUMENTS

DFS X

FORMAT 9 tracks 1600 BPI

FILTER Line 8 Hz, high 128 Hz

SAMPLING 2 ms

SOURCE

AIRGUN ARRAY

DEPTH 6 m

CAPACITY 2000 m³

SP INTERVAL 22 m

STREAMER

LENGTH 2400 m

DEPTH ±16 m

GROUPS 96

GROUP INTERVAL 25 m

Diagram of ship position and streamer layout

RESAMPLE TO 4 ms

DEMULTEX EDIT

TRACE MERGING 5/4*

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE COMPENSATION

AIR GUN DELAY 51 ms

MUTES

DECONVOLUTION

Operator Length 200 ms

Windows* 0-2000 ms

2000-4000 ms

VELOCITY ANALYSIS (ANVIT EVERY 3 km)

NMO CORRECTIONS (Linear interpolation between velocity functions)

OFFSET DEPENDENT SCALING

STACK 4800 %

SHOT AND STREAMER STATIC ±15 ms

TIME VARIANT FILTER

0-1000 ms* 12-65 Hz

2000-5000 ms** 9-48 Hz

TRACE EQUALIZATION

ANALOG DISPLAY

* TIME ZERO WB

** FOLLOWING TARGET

POLARITY

Geophone compression: negative number on field tape

Whole trough on double: positive reflection coefficient

TIME ORIGIN W.S.I.

Source and streamer static correction applied +15 ms

HORIZONTAL SCALE

0.5 km

80 Traces/km

* C.G.G.'s processing code 127 M6 R6

COMPAGNIE GENERALE DE GEOPHYSIQUE

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