

Party: 2903*

AGIP S.p.A.

SICILY

ZONE G

NNW596

LINE G82.11

1088SSE

BOAT MOTION

→

PL N° 712

STACK 4800%.DBS.TVF

DEC 23 82

FIELD RECORDING 4800 %

Contractor G.S.I.

DIGITAL PROCESSING P5

Sequence in 4 ms

SHIP

M/V ARCTIC SEAL

NAVIGATION BY SYLEDS

SHOOTING DATE AUG 16 82

INSTRUMENTS

DPS 2

FORMER 9 tracks 1800 BPI

FILTER Low 8 Hz - High 128 Hz

SAMPLING 2 ms

SOURCE

AIRGUN ARRAY

DEPTH 6 m

CAPACITY 2000 m³

SP INTERVAL 25 m

STREAMER

LENGTH 2400 m

DEPTH 16.5 m

GROUPS 96

GROUP INTERVAL 25 m

Diagram of source and streamer layout

RESAMPLE 10 x 4 ms

DEMUTIPLEX EDIT

TRACE MERGING 5/4 *

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE COMPENSATION

AIRGUN DELAY 51 ms

MUTES

DECONVOLUTION

Operator Length 200 ms

Windows 0-2000 ms

2000-4000 ms

VELOCITY ANALYSIS (ANVT EVERY 3 km)

NMO CORRECTIONS (Linear interpolation between velocity functions)

OFFSET DEPENDENT SCALING

STACK 4800 x

SHOT AND STREAMER STATIC 15 ms

TIME VARIANT FILTER

From sea bottom 15-65 Hz

First secondary 12-85 Hz

Two seconds 8-40 Hz

Five seconds 6-35 Hz

TRACE EQUALIZATION

ANALOG DISPLAY

TIME ZERO WS

POLARITY

Geophone compression = negative number on field tape

white trough on display

TIME ORIGIN M.S.L.

Source and streamer static correction applied + 10 ms

HORIZONTAL SCALE

0.5 km

C.G.G. & processing code 127-146 RM

COMPAGNIE GENERALE DE GEOPHYSIQUE

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