

Party : 2903*

AGIP S.p.A.

SICILY

ZONE G

WSW1700

LINE

G82.88

1166ENE

BOAT MOTION

PL N°693

STACK 4800% DBS.TVF

JAN 7 83

FIELD RECORDING 4800 %

Contractor G.S.I.

DIGITAL PROCESSING P5

Sequence in 4 ms

SHIP

M/V ARCTIC SEAL

NAVIGATION BY.....SYLEDIS

SHOOTING DATE.....JUNE 28 82

INSTRUMENTS

DFS X

FORMAT.....9 tracks 1600 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.....7400 m

DEPTH.....± 16.5 m

GROUPS.....96

GROUP INTERVAL.....25 m

Diagram of source and streamer layout

RESAMPLE TO 4 ms

DEMULTIPLY X 800

TRACE MERGING 5/4 *

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE COMPENSATION

AIRGUN DELAY 51 ms

MUTES

DECONVOLUTION

Operator Length 200 ms

Window # 0 2000 ms

2000 4000 ms

VELOCITY ANALYSIS (ANVT EVERY 3km)

WIND CORRECTIONS (Linear interpolation between velocity functions)

OFFSET DEPENDENT SCALING

STACK 4800 %

SHOT AND STREAMER STATIC 15ms

TIME VARIANT FILTER

From sea bottom 10 40 Hz

First uncertainty 12 80 Hz

One second after first uncertainty 0.05 Hz

Two seconds 8.40 Hz

Three seconds 6.35 Hz

TRACE EQUALIZATION

ANALOG DISPLAY

* TIME ZERO WB

POLARITY

Geophone compression (negative number on field tape)

White trough on display

TIME ORIGIN M.S.L.

Source and streamer static correction applied + 15 ms

HORIZONTAL SCALE

0.5 km

80 Tracks/km

* C.G.G.'s processing code 127 MS 86

COMPAGNIE GENERALE DE GEOPHYSIQUE

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