

LINE

G82.65B

SE

3080

3080

3080

2531

2531

2531

BOAT MOTION

←

PL N°937

STACK 4800K.DBS.TVF

FEB 9 '83

FIELD RECORDING 4800 %

Contractor G.S.I.

SHIP

W/V ARCTIC SEAL

NAVIGATION BY SYLEOS

SHOOTING DATE AUG 8 '82

INSTRUMENTS

OPS X

FORMAT 9 tracks 1600 SPT

FILTER low 8 Hz, high 128 Hz

SAMPLING 2 ms

SOURCE

AIRGUN ARRAY

DEPTH 6 m

CAPACITY 20000 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

DIGITAL PROCESSING P5

Sequence in 4 ms

RESAMPLE TO 4 ms

DEMULTIPLY EDIT

TRACE MERGING 3/4*

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE COMPENSATION

ASSUMED DELAY 51 ms

MUTES

DECONVOLUTION

Operator Length 200 ms

Window * 2000 - 4000 ms

VELOCITY ANALYSIS (ANALYTIC EVERY 3 Km)

NMO CORRECTIONS (Linear interpolation between velocity functions)

OFFSET DEPENDENT SCALING

STACK 4800 X

SHOT AND STREAMER STATIC +10 ms

TIME VARIANT FILTER

First pass bandpass 12-80 Hz

Time second after first acquisition 12000 ms

Two seconds

TRACE EQUALIZATION

ANALOG DISPLAY

* TIME ZERO WD

POLARITY

Geophone compression (negative number of lead tape)

while trough on display

TIME ORIGIN W.S.L.

Source and streamer static correction applied +10 ms

HORIZONTAL SCALE

80 Tracks/km

0.5 km

* CUG's processing code 127 WD 86

COMPAGNIE GENERALE DE GEOPHYSIQUE

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