

SW1085

LINE

G82.30

596NE

BOAT MOTION

←

PL N° 841

STACK 4800% .DBS.TVF

JAN 21 83

FIELD RECORDING 4800 %

Contractor G S I

DIGITAL PROCESSING P5

Sequence in 4 ms

SHIP

M/V ARCTIC SEAL

NAVIGATION BY.....SILEDIS

SHOOTING DATE.....JUNI 30 82

INSTRUMENTS

DPS 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.....2400 m

DEPTH.....≥ 16.5 m

GROUPS.....46

GROUP INTERVAL.....25 m

RESAMPLE TO 4 ms

DEMULTIPLEX EDIT

TRACE MERGING 5/4 *

TRUE AMPLITUDE RECOVERY

SPHERICAL DIVERGENCE COMPENSATION

AIRGUN DELAY 51 ms

MUTES

DECONVOLUTION

OVERSAMPLING 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

From sea bottom 15 / 65 Hz

First uncertainty 12 / 60 Hz

TIME VARIANT FILTER One second after first uncertainty 10/30 Hz

Three seconds 8/40 Hz

Trace equalization

ANALOG DISPLAY

* TIME ZERO WB

POLARITY

Explosive compression negative number on field tape

White trough on display

TIME ORIGIN M 5.1

Source and streamer static correction applied +15 ms

HORIZONTAL SCALE

0.5 km

80 Traces/km

★ C.G.G. processing code 127 MB 86

COMPAGNIE GÉNÉRALE DE GÉOPHYSIQUE

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