WSW 1191 **LINE G82_16** 1730 ENE

BOAT MOTION →

PL N°827 | STACK 4800%_DBS.TVF | JAN 19 83

**FIELD RECORDING** 4800 %
Contractor G.S.I.

SHIP
M/V ARCTIC SEAL
NAVIGATION BY ..... SYLEDIS
SHOOTING DATE ..... AUG 12 82

INSTRUMENTS
DFS IV
FORMAT ..... 9 tracks 1600 BPI
FILTER ..... Low 8 Hz - High 128 Hz
SAMPLING ..... 2 ms

SOURCE
AIRGUN ARRAY
DEPTH ..... 6 m
CAPACITY ..... 2000 cu.I.
SP INTERVAL ..... 25 m

STREAMER
LENGTH ..... 2400 m
DEPTH ..... ≥ 16.5 m
GROUPS ..... 96
GROUP INTERVAL ..... 25 m




**DIGITAL PROCESSING** P5
Sequence in 4 ms

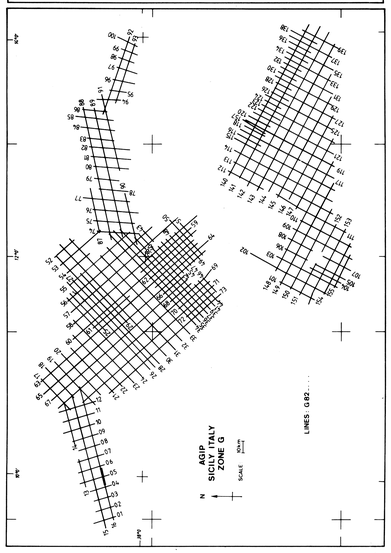
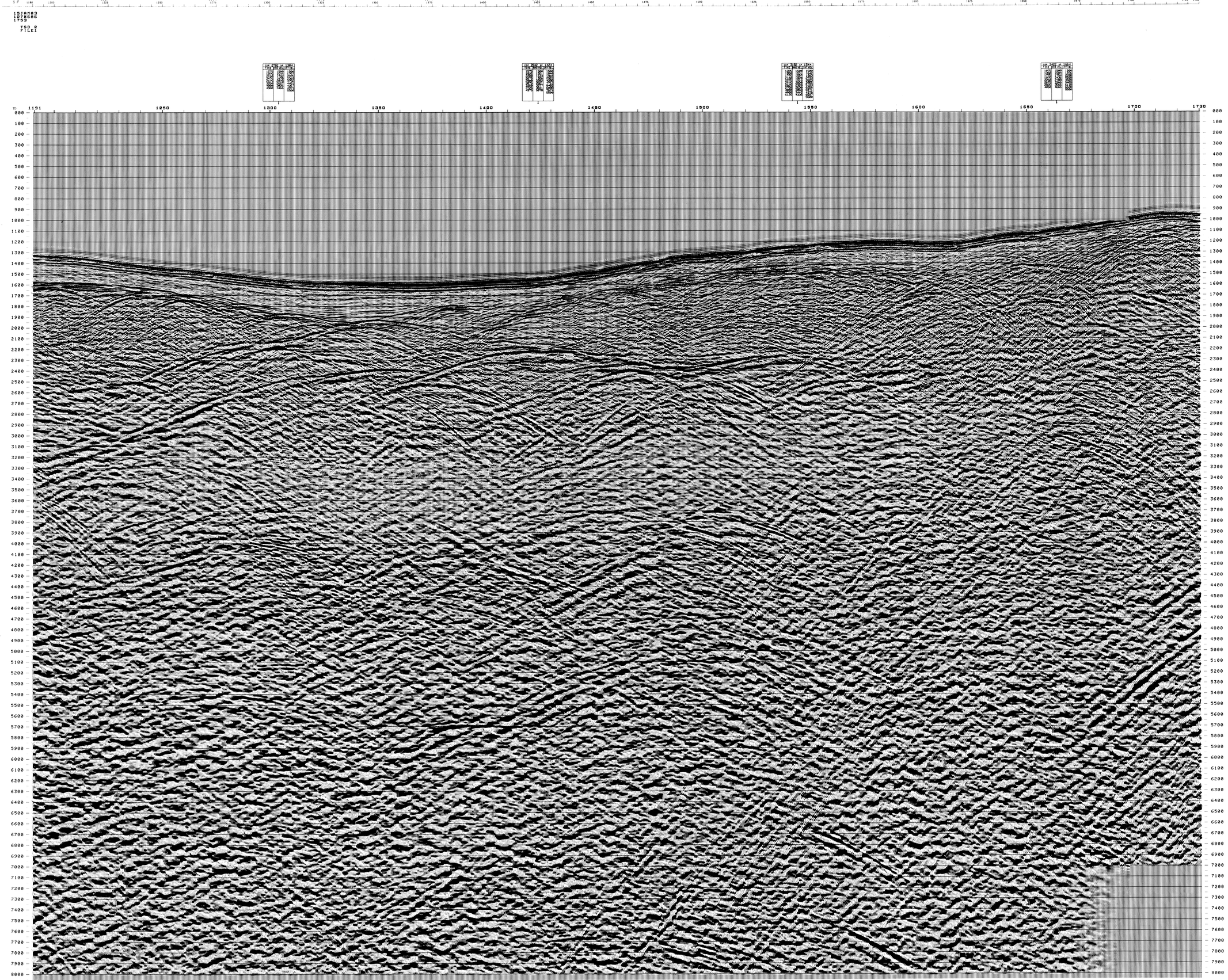
RESAMPLE TO 4 ms
DEMULTIPLEX EDT
TRACE MERGING 5/4 *
TRUE AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE COMPENSATION
AIRGUN DELAY 51 ms
MUTES
DECONVOLUTION
Operator Length 200 ms
Windows * 0-2000 ms
2000-4000 ms
VELOCITY ANALYSIS 1 ANVIT EVERY 3 Km↑
NMO CORRECTIONS ( Linear interpolation between velocity functions)
OFFSET DEPENDENT SCALING → 401 403 405 407 409
STACK 4800 %
SHOT AND STREAMER STATIC +15 ms → 1 30 60 79 96
TIME VARIANT FILTER From sea bottom 15 / 65 Hz
First unconformity 12 / 60 Hz
One second after first unconformity 10 / 50 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 Traces/km

* C.G.G. s processing code 127 M6 86

**COMPAGNIE GENERALE DE GEOPHYSIQUE**
6, Rue Galvani - 91301 - MASSY - FRANCE