Party: 2903* **AGIP S.p.A.**

SICILY
ZONE G

SW 668 **LINE G82.26A** 1215 NE

BOAT MOTION →

PL N°816

STACK 4800%.DBS.TVF

JAN 17 .83

FIELD RECORDING 4800 %
Contractor G.S.I.

SHIP

M/V ARCTIC SEAL
NAVIGATION BY .... SYLEDIS
SHOOTING DATE .... AUG 24 .82

INSTRUMENTS

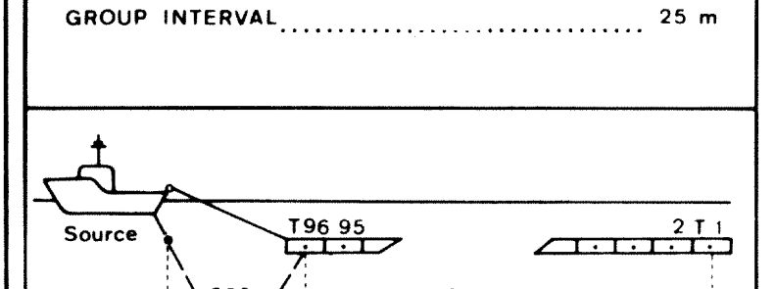
DFS V
FORMAT .... 9 tracks 1600 BPI
FILTER .... Low 8 Hz - High 128 Hz
SAMPLING .... 2 ms

SOURCE

AIRGUN ARRAY
DEPTH .... 6 m
CAPACITY .... 2000 in³
SP INTERVAL .... 25 m

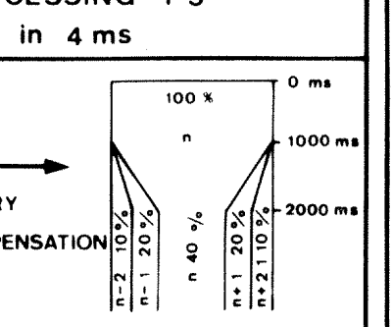
STREAMER

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 EDIT
TRACE MERGING 5/4 *
TRUE AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE COMPENSATION
AIRGUN DELAY 51 ms
MUTES

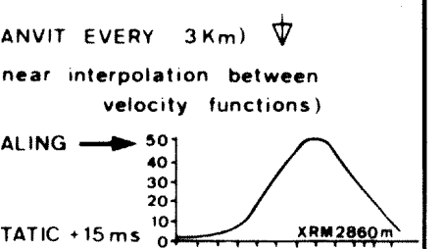


DECONVOLUTION
Operator Length 200 ms
Windows * 0 - 2000 ms
2000 - 4000 ms

VELOCITY ANALYSIS (ANVIT EVERY 3Km) ∇

NMO CORRECTIONS (Linear interpolation between velocity functions)

OFFSET DEPENDENT SCALING →
STACK 4800 *
SHOT AND STREAMER STATIC + 15 ms



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

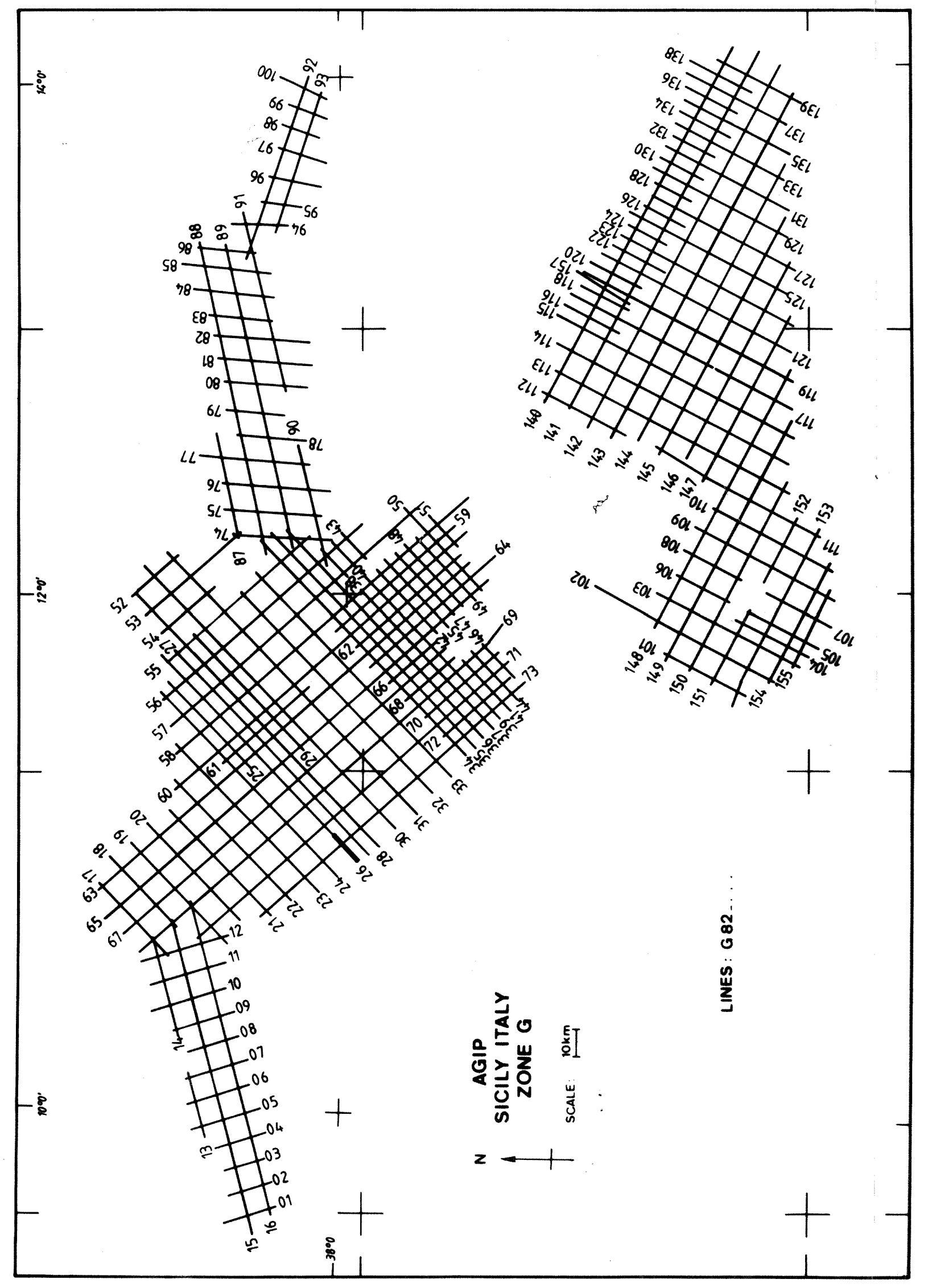
POLARITY
Geophone compression = negative number on field tape
= white trough on display

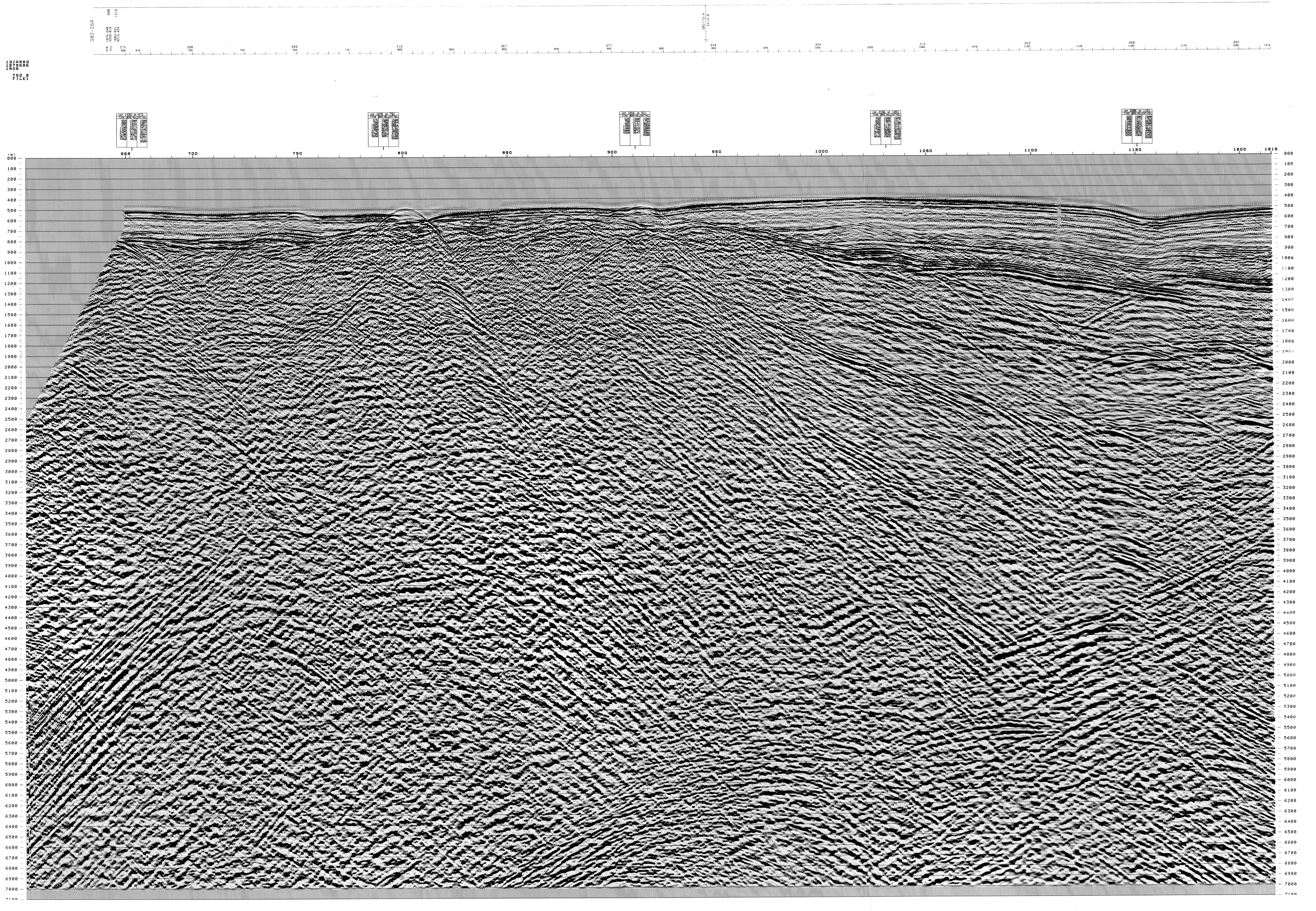
TIME ORIGIN M S L
Source and streamer static correction applied + 15 ms

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





CDP 1436 SP 671

TIME	NMO VEL.	INT VEL.
550	1500	1500
800	1631	1887
875	1937	3924
1100	2317	3413
1325	2795	4445
2425	3142	3514
3100	3657	5094
3675	4178	6281
4450	4819	7111
		5500

CDP 1676 SP 791

TIME	NMO VEL.	INT VEL.
575	1500	1500
750	1750	2394
1025	2035	2661
1200	2375	3797
1350	2633	4155
2175	3217	3992
2700	3423	4169
3550	3891	5100
		5500

CDP 1916 SP 911

TIME	NMO VEL.	INT VEL.
525	1500	1500
750	1594	1794
925	2141	3652
1200	2471	3350
1400	2824	4380
2000	3072	3584
4250	3947	4586
		5500

CDP 2156 SP 1031

TIME	NMO VEL.	INT VEL.
450	1500	1500
625	1505	1517
925	1757	2190
1075	2146	3737
1250	2431	3731
1700	2686	3292
2600	3038	3610
3175	3256	4099
4650	4365	6102
		5500

CDP 2396 SP 1151

TIME	NMO VEL.	INT VEL.
625	1500	1500
850	1574	1763
1100	1691	2039
1325	1952	2908
1575	2263	3474
1975	2901	4624
2500	3391	4805
3250	3978	5499
4250	4382	5493
		5500