997-11.69 **AGIP**

OFFSHORE ITALIA
ZONA F

NW 5130 — LINEA F.76.06 — SE 5718

1 km

COMPAGNIE GENERALE DE GEOPHYSIQUE

DIGITAL PROCESSING P5

TIME ORIGIN: Source and cable depth

STACK 4800 %

Boat motion →

720 Date: JUNE 24-76 Checked

PROCESSING
SAMPLING RATE 4 ms

1 AMPLITUDE RECOVERY
2 WAPCS (stabilization by vaporchoc signal)
3 MUTING
4 DECONVOLUTION 240 ms
windows 500 2300 ms } Below
1900 3600 ms } sea bottom
5 VELOCITY ANALYSIS (VA)
6 NMO CORRECTIONS
(LINEAR INTERPOLATION BETWEEN VELOCITY FUNCTIONS)
7 STACK 4800 %
8 TIME VARIANT FILTER (Origin sea bottom)
9 TRACE EQUALIZATION
10 ANALOG DISPLAY

FIELD RECORDING
SAMPLING RATE 4 ms

Ship: POLAR BJORN Shooting date: FEB/1976
Field recorder: SN338B filter: 1/8-125
floating point sampling 4 ms
Streamer: 2400 m (Depth 19 m)
groups: 48 (group interval: 50 m)
Geophones type: HC 201 n° 48 / group
48Fold coverage
Energy source: VAPORCHOC (Depth 5 m)
SP 1 r 1 Streamer 1/48
332m DOPPLER positioning

00031

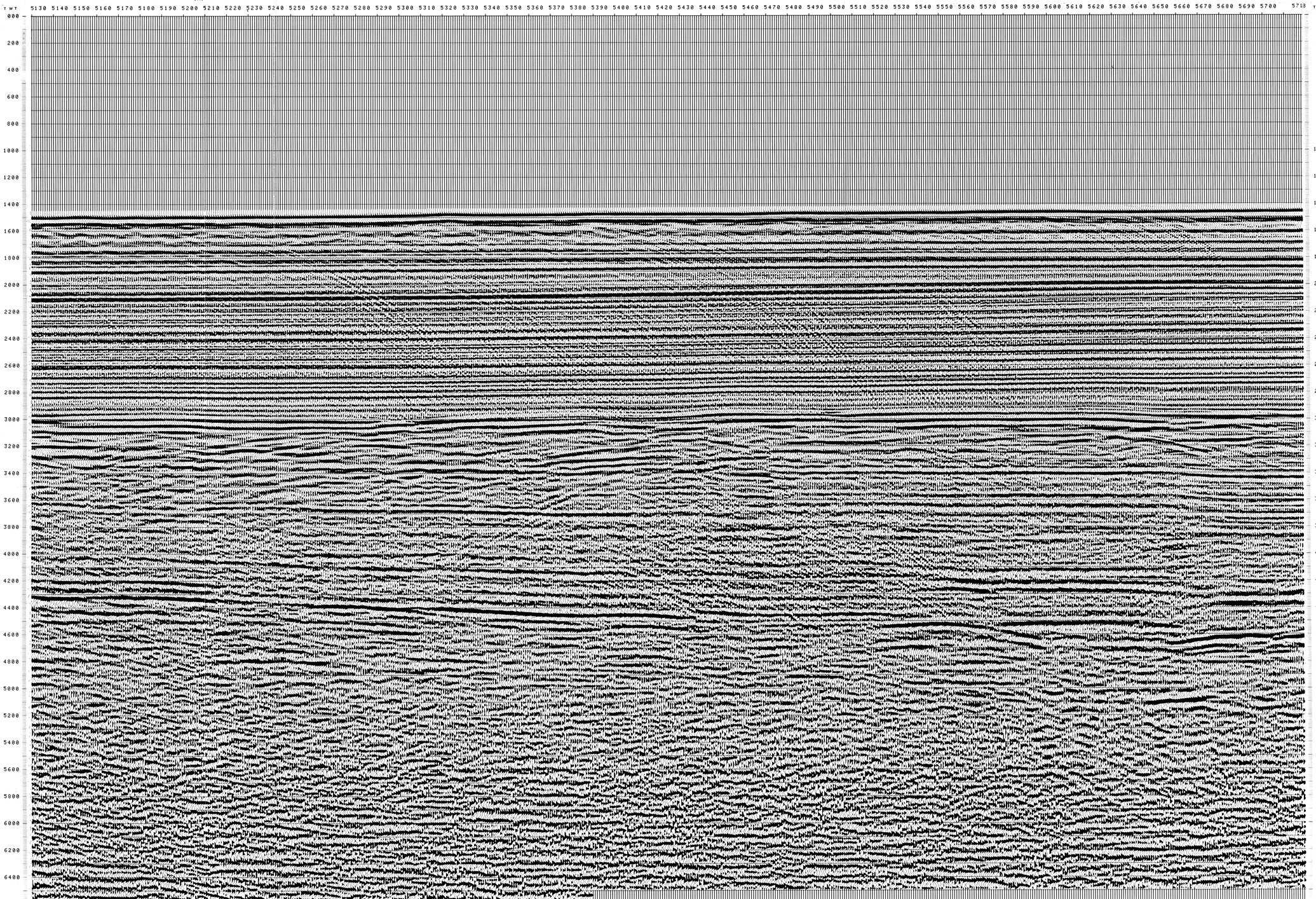
F7627 2086

F7629 248

Water depth in meters: 1112 1110 1108 1106 1104 1102 1100 1098 1096 1094 1092 1090 1088 1086 1084 1082 1080

VA

TWT 5130 5140 5150 5160 5170 5180 5190 5200 5210 5220 5230 5240 5250 5260 5270 5280 5290 5300 5310 5320 5330 5340 5350 5360 5370 5380 5390 5400 5410 5420 5430 5440 5450 5460 5470 5480 5490 5500 5510 5520 5530 5540 5550 5560 5570 5580 5590 5600 5610 5620 5630 5640 5650 5660 5670 5680 5690 5700 5718



TWT	FROM SP 4971 TO SP 4971	FROM SP 5206 TO SP 5206	FROM SP 5322 TO SP 5322	FROM SP 5441 TO SP 5441	FROM SP 5556 TO SP 5556	FROM SP 5674 TO SP 5674	FROM SP 5793 TO SP 5793
	AV. VEL. IN M/S	AV. VEL. IN M/S	AV. VEL. IN M/S	AV. VEL. IN M/S	AV. VEL. IN M/S	AV. VEL. IN M/S	AV. VEL. IN M/S
000							
200	1500	1500	1500	1500	1500	1500	1500
400	1500	1500	1500	1500	1500	1500	1500
600	1500	1500	1500	1500	1500	1500	1500
800	1500	1500	1500	1500	1500	1500	1500
1000	1500	1500	1500	1500	1500	1500	1500
1200	1500	1500	1500	1500	1500	1500	1500
1400	1500	1500	1500	1500	1500	1500	1500
1600	1512	1522	1522	1539	1531	1546	1536
1800	1532	1558	1569	1573	1569	1568	1569
2000	1610	1601	1618	1608	1612	1604	1669
2200	1663	1662	1672	1679	1712	1706	1741
2400	1725	1737	1753	1755	1802	1794	1812
2600	1808	1794	1835	1839	1876	1871	1884
2800	1907	1885	1911	1932	1967	1969	1981
3000	1997	2004	2014	2027	2088	2094	2100
3200	2089	2111	2099	2151	2216	2188	2191
3400	2186	2222	2173	2259	2301	2226	2265
3600	2272	2335	2239	2348	2346	2359	2331
3800	2393	2467	2371	2427	2392	2489	2404
4000	2571	2636	2512	2497	2472	2602	2559
4200	2732	2788	2645	2589	2544	2702	2695
4400	2871	2929	2804	2673	2751	2793	2793
4600	2993	3062	2945	2749	2961	3031	2881
4800	3123	3185	3072	2885	3087	3191	2999
5000	3238	3297	3189	3009	3204	3303	3119
5200	3345	3401	3297	3125	3311	3407	3230
5400	3443	3497	3397	3231	3411	3503	3333
5600	3534	3587	3490	3330	3503	3592	3428
5800	3619	3670	3577	3422	3590	3675	3517
6000	3699	3748	3658	3508	3670	3752	3599
6200	3773	3820	3733	3588	3745	3825	3677
6400	3842	3888	3804	3664	3815	3893	3
6600	3908	3952	3870	3734	3882	3957	3818

VARIABLE FILTER

997.11.69 VII

Frequency in Hz

10 20 30 40 50 60 70 80

11 60 9 28 9 30