

**LINE NAME:**

**PCP-FAS-PC01005**

**REF:**

**104738**

**OBSERVERS**

## OBSERVERS LOG

LINE	0005A027
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: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 06:25 11:02 : 1001 2573 : 999 2570 : 30 30		Gun#4.2 (250cu in)																																					
: 0005A027 : 27 : 56 : 04.01.02																																									
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## mv Geo Arctic

0005A027							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	30	02	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
06:24			995	995			SOL FSP Missed SP#996,999.
06:25	30	02	999	1001	1986	-11.5	FCSP
06:32			1038	1040	2040	-10.0	Gun#2.2 many "not found" alarms -gun believed to working correctly
06:40			1078	1080	2078	-8.5	SP#1044 feathering angle <10 deg.
06:47			1118	1120	2132	-6.2	SP#1056,1341: G4.4 not found.
06:54			1158	1160	2163	-4.3	
07:00			1198	1200	2153	-4.1	SP#1213: telemetry errors.
07:07			1238	1240	2164	-4.2	
07:14			1278	1280	2186	-4.8	
07:21			1318	1320	2268	-5.1	
07:28			1358	1360	2234	-6.3	
07:36			1398	1400	2260	-6.7	
07:43			1438	1440	2288	-6.6	
07:50			1478	1480	2323	-6.0	
07:57			1518	1520	2342	-7.0	
08:04			1558	1560	2364	-7.4	
08:11			1598	1600	2371	-7.6	Swell noise increase.
08:18			1638	1640	2393	-8.0	
08:25			1678	1680	2406	-7.8	SP#1675,1709,1776,1778,1791,1798: G3.2 not found.
08:32			1718	1720	2424	-7.3	
08:39			1758	1760	2450	-6.6	SP#1809,1812,1819,1833,1837,1848,1666,1869:G3.2 not found.
08:46			1798	1800	2470	-5.5	SP#1822,1823: G3.2 time error 1.13-2.0 ms.
08:53			1838	1840	2494	-4.3	
09:00			1878	1880	2526	-3.2	SP#1894,1902,1972,1973,1975,1993,2002,2006: G3.2 - not found
09:07			1918	1920	2556	-3.0	
09:14			1958	1960	2600	-3.1	
09:21			1998	2000	2673	-3.1	
09:28			2038	2040	2700	-3.3	SP#2054,2055,2060,2086,2087,2103,2106,2107: G3.2 - not found
09:35			2078	2080	2750	-3.8	
09:42			2118	2120	2782	-3.7	SP#2115,2119,2120,2122,2128-2130,2139,2144: G3.2 - not found
09:49			2158	2160	2841	-3.6	SP#2148,2163,2164,2177,2178,2203,2204,2213: G3.2 - not found
09:56			2198	2200	2879	-3.3	SP#2214,2216-17,2219,2236,2283-84,2288: G3.2 - not found
10:03			2238	2240	2915	-2.8	SP#2257:G#1.4 not found. SP#2258-59:G#1.4 time err.(1.25-1.63ms)
10:10			2278	2280	2990	-1.8	SP#2293,2302-03,2306-07,2317:G#4.2 time error(1.13-2.38ms).
10:17			2317	2320	-	-0.9	SP#2312,2316,2318,2358,2368,2370,2392,2444: G3.2 - not found
10:24			2357	2360	3097	-1.3	SP#2326,2328:G#4.2 t.err.(1.5-1.88ms). SP#2330:G#4.2 - OFF.
10:31			2397	2400	3218	-1.5	SP#2311 missed. SP#2428,2518-19: G#3.2 t. err. 1.13-1.5ms.
10:39			2437	2440	3249	-1.1	SP#2451,2479,2486,2492,2496.: G3.2 - not found
10:41			2450	2453	3291	-0.8	LCSP.
10:45			2477	2480	3264	-0.4	SP#2497-98:G#1.4 t. err.(1.75-2.63ms).
10:53			2517	2520	3268	-0.7	SP#2514:G#4.4 not found
11:00			2557	2560	3271	-1.1	G#3.2 time err.: 2554(9.25ms),2555(5.75),2556(5.88),2557(1.88ms)
11:02			2570	2573	3283	-1.0	LSP
11:02			2573	2576			LdSP
			2574				Noise.

## OBSERVERS LOG

LINE

0005A027

<b>VESSEL</b> : R/V Geo Arctic <b>CLIENT</b> : PanCanadian Petr. Lmt.(PCP) <b>AREA</b> : Block # VIC/P48&VIC/P49 <b>PROJECT</b> : 34867		<b>SOL</b> : 06:25 <b>EOL</b> : 11:02 <b>TIME</b> : <b>SP</b> : 1001 2573 <b>FFID</b> : 999 2570 <b>REEL</b> : 30 30		<b>BAD GUNS</b> Gun#4.2 (250cu in)																																					
<b>LINE</b> : 0005A027 <b>SEQ</b> : 27 <b>DIR</b> : 56 <b>DATE</b> : 04.01.02		<b>BAD STREAMER TRACES</b>		<b>NOISY TRACES</b>																																					
<b>REMARKS</b> Gun Pressure at SOL 1957 psi      Pressure EOL 1992 psi Array Volume SOL 3660 cu in      Array Vol EOL 3410 cu in Offset Shots: Gun 2-5 152 m      Gun 3-6 146 m Missed SP#996,999,2311. SOL-SP#1043: feathering angle > 10 degs. SP#1213: telemetry errors. From SP#2330 total volume 3410cu in (dropout 6.8%).																																									
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06:25	30	02	999	1001	1986	-11.5	FCSP
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10:24			2357	2360	3097	-1.3	SP#2326,2328: G#4.2 t.err. (1.5-1.88ms). SP#2330: G#4.2 - OFF.
10:31			2397	2400	3218	-1.5	SP#2311 missed. SP#2428,2518-19: G#3.2 t. err. 1.13-1.5ms.
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11:02			2573	2576			LdSP
			2574				Noise.

## I/O MSX SYSTEM OBSERVER LOG

Fri Jan 4 05:10:46 2002

### LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0005A027
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	56 deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

## I/O MSX SYSTEM OBSERVER LOG

CLIENT: PanCanadian Pet.Lim.

PROSPECT: 2001 MIDAS 2D SURVEY

SHOT	FILE	REEL	TU	FSID	DATE & TIME	EXCEPTION	COMMENT
0	91	30	02	0000 00000	Jan 04, 2002 - 06:09:18	EOL; UHTO; NF#; NSP; NFSID; BOR;	WB Gun#2.5
0	92	30	02	0000 00000	Jan 04, 2002 - 06:10:38	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	30	02	0000 00000	Jan 04, 2002 - 06:14:04	UHTO; DSP; NFSID; ITB;	Noise
995	995	30	02	2004 31791	Jan 04, 2002 - 06:24:52	BOL; NF#; NSP; NFSID;	FSP
997	996	30	02	2004 31793	Jan 04, 2002 - 06:25:12	NSP; NFSID;	SP#996 missed
1000	998	30	02	2004 31796	Jan 04, 2002 - 06:25:40	NSP; NFSID;	SP#999 missed
1001	999	30	02	2004 31797	Jan 04, 2002 - 06:25:50		FCSP
1213	1211	30	02	2004 32009	Jan 04, 2002 - 07:02:46	TE1;	
2312	2309	30	02	2004 33108	Jan 04, 2002 - 10:16:08	NSP; NFSID;	SP#2311 missed
2453	2450	30	02	2004 33249	Jan 04, 2002 - 10:41:16		LCSP
2573	2570	30	02	2004 33369	Jan 04, 2002 - 11:02:20		LSP
2576	2573	30	02	2004 33372	Jan 04, 2002 - 11:02:52		LdSP
0	2574	30	02	0000 00000	Jan 04, 2002 - 11:03:32	EOL; UHTO; NSP; NFSID; ITB;	Noise



## I/O MSX SYSTEM REEL LOG

Fri Jan 4 05:11:00 2002

### LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0005A027
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	56 deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

CLIENT: PanCanadian Pet.Lim. PROSPECT: 2001 MIDAS 2D SURVEY

**I/O MSX SYSTEM REEL LOG**

**Fri Jan 4 05:11:00 2002**

REEL NUMBER	TAPE UNIT	FILE COUNT	FIRST FILE LAST FILE	FIRST SP LAST SP	FIRST FSID LAST FSID	START DATE & TIME END DATE & TIME
30	02	1583	91	0	0000 00000	Jan 04, 2002 - 06:09:18
			2574	0	0000 00000	Jan 04, 2002 - 11:03:32

# PC01-0005a027

Reel # 30 Date 04.01.02 Seq # 27

FSP 995 LSP 2576 FFFID 995 LFFID 2573  
FGSP 1001 LGSP 2573 FGFFID 999 LGFFID 2570

## Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m  
EOL SP: 2573 Offset: 152 ms 149 m

## NearPhones - Channel Sets 3-18

Aux Chan	Comment	Aux Chan	Comment
3	Good	11	Abnormal on Gun 3-2 reported NF
4	Good	12	Abnormal on Gun 3-2 reported NF
5	Good	13	Good
6	Good	14	Good
7	Good	15	Good
8	Good	16	Good
9	Good	17	Good
10	Good	18	Good

## Bad/Noisy channels:

### Bad Shots:

1213

### Lost Shots:

2311

## Environmental Noise

Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

## RMS Noise Analysis

Average noise per line

(Time Gate 2000-2500 ms)

LCF 2 Hz LCF 8 Hz

(in RMS time gate)

45.74 14.05

## Channel Noise statistics (8 Hz):

	# of Chan.	%	Av.noise
Noise level exc. 35 uB:	0	0	
Noise level exc. 15 uB:	86	35.8	18.6
Noise level exc. 10 uB:	201	83.5	15.1

## Brute Stack:

OK

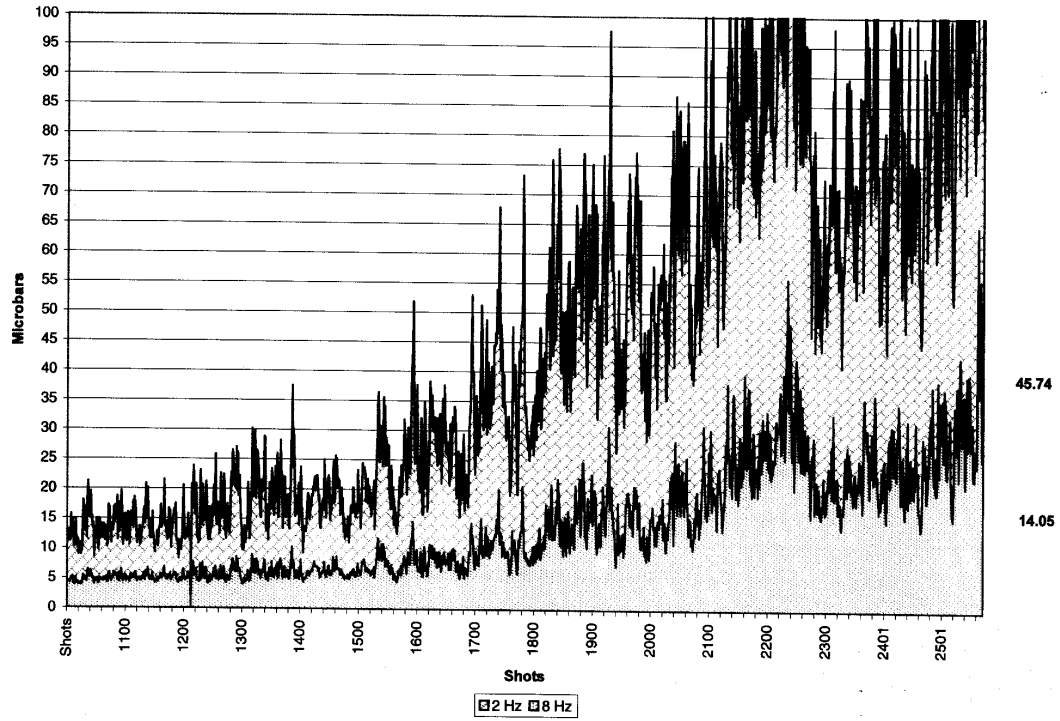
## Velocity Comments:

## Additional Comments:

Gun 3-2 bad work on line.

Multiples in analysis window increase noise level.

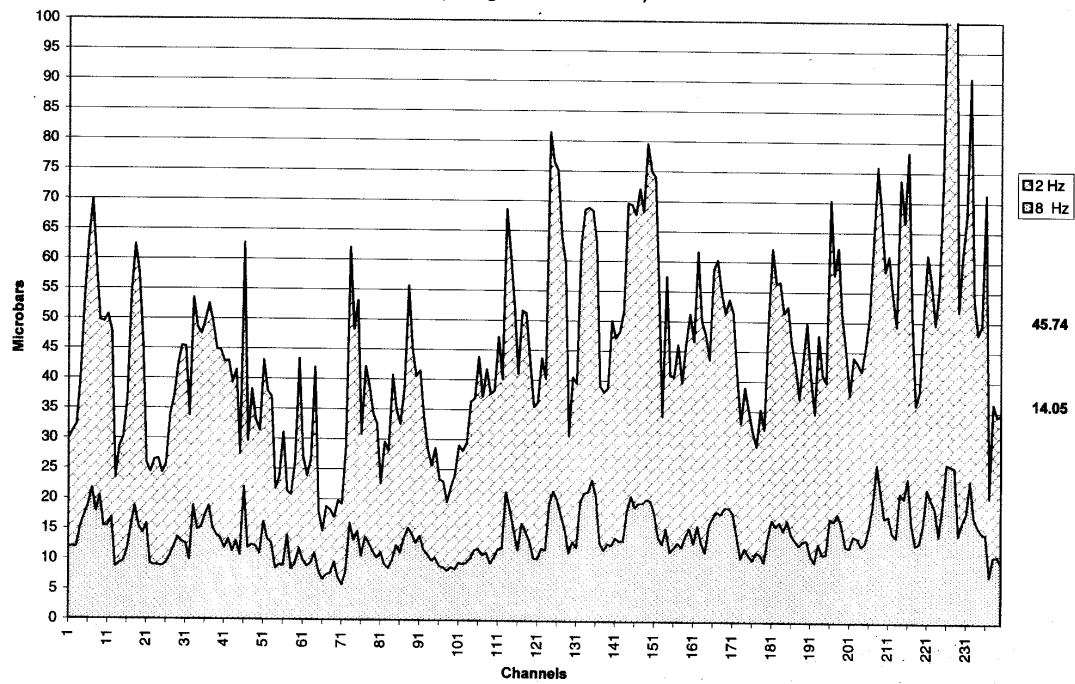
Line PC01-0005a027 Residual Shot Noise  
(time gate 2000-2500 ms)



Shot RMS PC01-05a027.xls

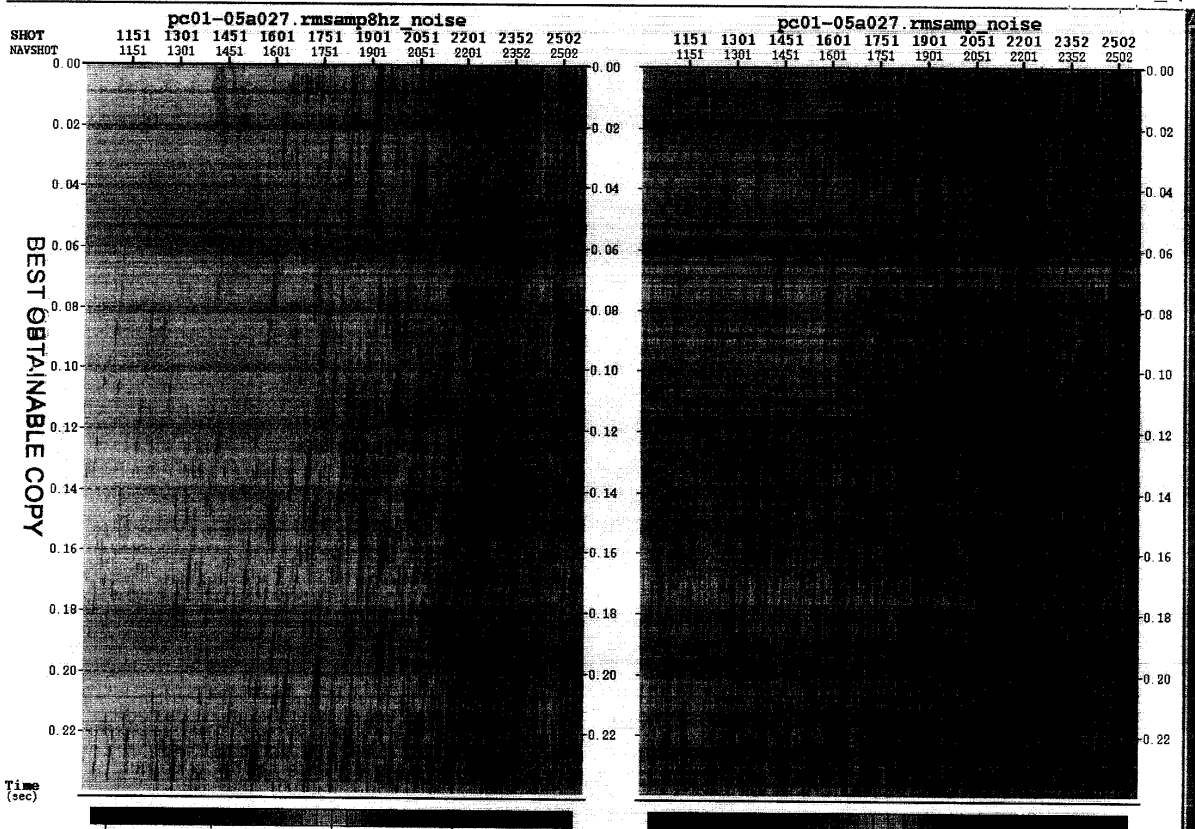
05-01-00 00:00

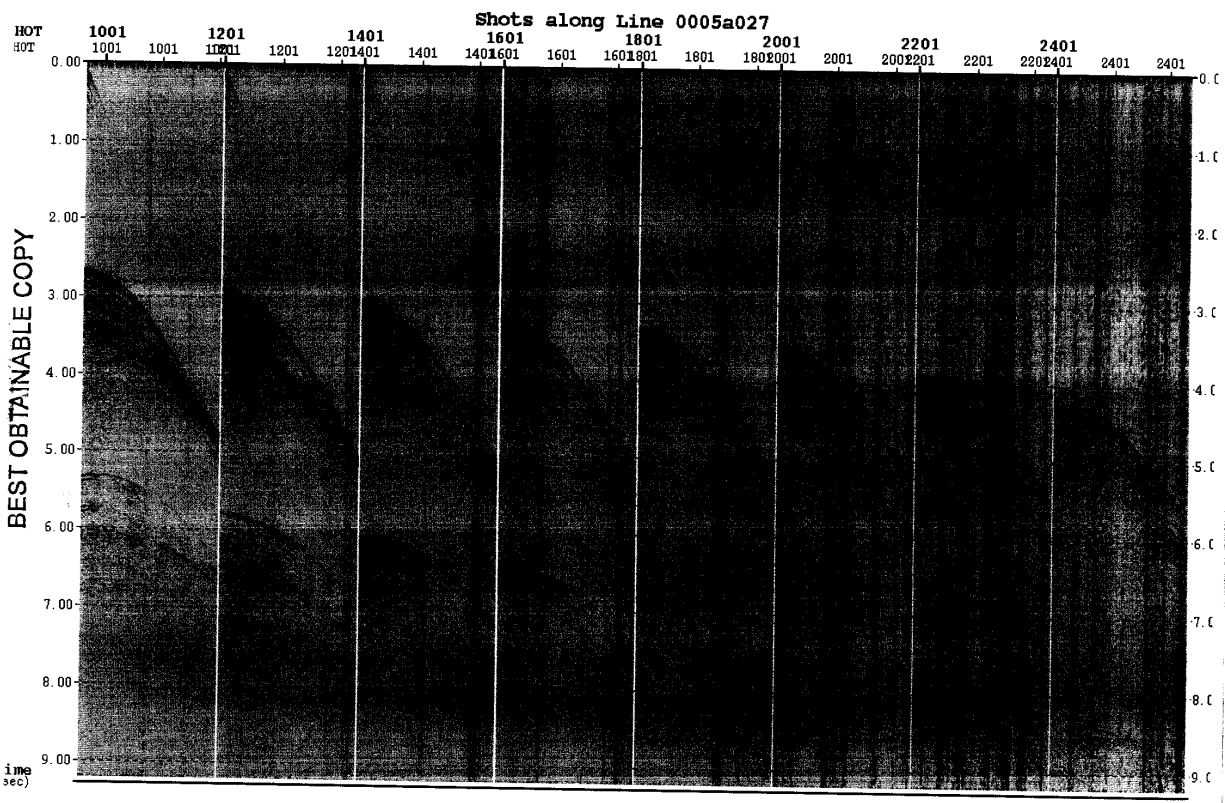
Line PC01-0005a027 Residual Channel Noise  
(time gate 2000-2500 ms)

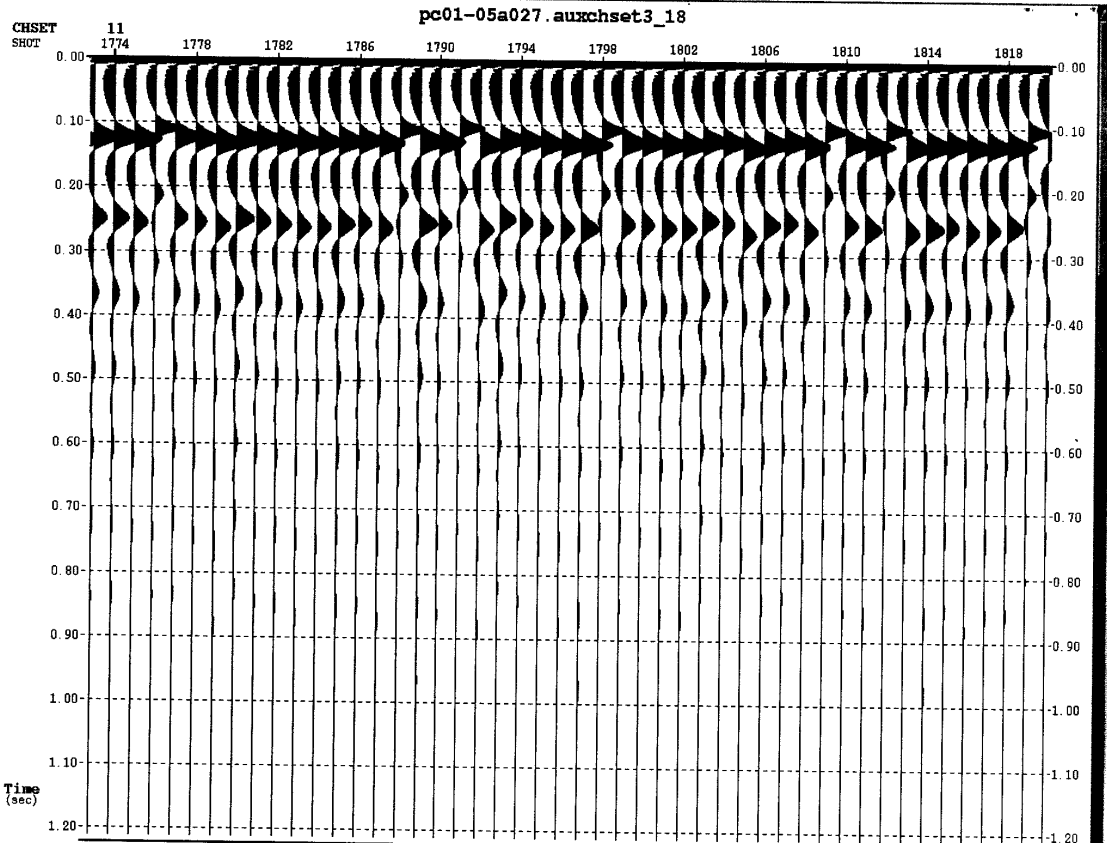


Chan\_RMS\_PC01-05a027.xls

PA/Doc 1-05a











Line PC01-0005a027\_p1 Residual Shot Noise  
(time gate 2000-2500 ms)

