

LINE NAME:

PCP-FAS-PC01016

REF:

104723

OBSERVERS

OBSERVERS LOG

LINE	0016A012
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VEHICLE : R/V Geo Arctic CLIENT : PanCanadian Petr. Lmt.(PCP) AREA : Block # VIC/P48&VIC/P49 PROJECT : 34867		TIME : 09:30 13:57 DATE : 1001 2532 TIME : 1001 2532 DATE : 14 14		Gun# : 2.2	
LINE : 0016A012 SEQ : 12 DIR : 179.4 DATE : 28.12.01					
Gun Pressure at SOL : 2027 psi Array Volume SOL : 3660 cu in		Pressure EOL : 2027 psi Array Vol EOL : 3410 cu in		SOL WIND : 4 m/s WIND DIRECTION : 250 deg SEA STATE : swell 1.5m SEA DIRECTION : 250 deg CABLE DEPTH : 8 m AVER.NOISE : 12.7 uB(4Hz) AVER.NOISE : 6.5 uB(8Hz) DEPTH : 2360 m	
Offset Shots: Gun 2-5 : 146 m Gun 3-6 : 149 m				EOL WIND : 3 m/s WIND DIRECTION : 350 deg SWELL : 1.5 m AVER.NOISE : 4.1 uB(8Hz) AVER.NOISE : 16.7 uB(4Hz) DEPTH : 2928 m	
Bad SPs:2471,2473 G#2.2 time err> 2ms SP#2473 Gun#2.2 OFF; volume 3410cu in,dropout 6.8%				SOURCE DEPTH : 6 m	
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)			

0016A012							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	14	01	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
09:29			995	995			SOL FSP
09:30	14	01	1001	1001	2360	-0.2	FCSP
09:37			1040	1040	2441	1.7	
09:44			1080	1080	2486	2.6	
09:51			1120	1120	2510	2.9	
09:58			1160	1160	2559	2.8	
10:06			1200	1200	2636	2.7	
10:13			1240	1240	2693	2.3	
10:20			1280	1280	2772	2.0	
10:27			1320	1320	2800	1.2	
10:34			1360	1360	2805	1.0	
10:41			1400	1400	2884	0.6	
10:48			1440	1440	2917	0.2	
10:55			1480	1480	2948	-0.7	
11:02			1520	1520	2997	-1.3	
11:09			1560	1560	3051	-1.7	
11:16			1600	1600	3080	-2.0	
11:23			1640	1640	3114	-2.1	SP#1688;1689;1696;1723;1725;1726 -
11:30			1680	1680	3145	-2.5	Gun2.2 time error 1,13 - 1,53 ms.
11:37			1720	1720	3143	-3.1	
11:44			1760	1760	3155	-3.9	
11:51			1800	1800	3151	-5.1	
11:58			1840	1840	3129	-6.0	
12:05			1880	1880	3138	-7.1	
12:12			1920	1920	3126	-8.3	
12:19			1960	1960	3111	-9.4	SP#1986 feathering angle >10 deg.
12:26			2000	2000	3110	-10.3	
12:33			2040	2040	3076	-10.6	
12:39			2080	2080	3042	-10.7	
12:46			2120	2120	2984	-9.4	SP#2106 feathering angle <10 deg.
12:53			2160	2160	2944	-7.6	
13:00			2200	2200	2910	-6.7	SP#2207,2210 G#4.3 time err.1.38ms,1.13ms
13:07			2240	2240	2887	-6.7	
13:13			2280	2280	2976	-6.7	
13:20			2320	2320	2832	-6.9	
13:27			2360	2360	2788	-6.8	SP#2388 G#3.1 time err. 1.25ms
13:34			2400	2400	2727	-6.7	
			2412	2412			LCSP
13:41			2440	2440	2704	-6.7	SP#2426,2428,2432 G#2.2 t.e.=1.68,1.13,1.13,1.68ms
13:48			2480	2480	2638	-6.8	SP#2433,2439,2442,2443,2446,2448 G#2.2 t.e.=1.38-1.78ms
			2520	2520			SP#2462,2468,2469,2470 G#2.2 t.e.=1.38ms
							Bad SPs:2471,2473 G#2.2 time err> 2ms
							SP#2473 Gun#2.2 OFF; volume 3410cu in,dropout 6.8%
13:57			2532	2532	2928	-7.2	LSP
			2535	2535			LdSP
	14	01					Noise.

I/O MSX SYSTEM OBSERVER LOG
Fri Dec 28 08:01:44 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0016A012
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.9 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	14	01	0000 00000	Dec 28, 2001 - 09:14:56	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	14	01	0000 00000	Dec 28, 2001 - 09:16:08	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	14	01	0000 00000	Dec 28, 2001 - 09:20:32	UHTO; DSP; NFSID; ITB;	Noise
995	995	14	01	1362 12187	Dec 28, 2001 - 09:29:38	BOL; NF#; NSP; NFSID;	FSP
1001	1001	14	01	1362 12193	Dec 28, 2001 - 09:30:40		FCSP
2412	2412	14	01	1362 13604	Dec 28, 2001 - 13:36:54		LCSP
2532	2532	14	01	1362 13724	Dec 28, 2001 - 13:57:16		LSP
2535	2535	14	01	1362 13727	Dec 28, 2001 - 13:57:46	EOL;	LdSP
0	2536	14	01	0000 00000	Dec 28, 2001 - 13:58:18	UHTO; NSP; NFSID; ITB;	noise

EXCEPTION ABBREVIATION LIST

MNEMONIC	DESCRIPTION
BOL	Beginning of Line
BOR	Beginning of Reel
BYP	Tape is in Bypass Mode
COR1	Corrected Errors on Primary Tape Unit
COR2	Corrected Errors on Secondary Tape Unit
DF#	Duplicate File Number
DSP	Duplicate Shot Point
ETBK	Early Timebreak
EOL	End of Line
EHTO	Energy Source System header is not received within time limit
FAIL	Recording Failed
GAP1	Gap Errors on Primary Tape Unit
GAP2	Gap Errors on Secondary Tape Unit
GSTO	Gun signature dat is not received within time limit
ITB	Internal Timebreak
MOL	Middle of Line
NHTO	Nav System header is not received within time limit
NFSID	Non-sequential FSID
NSP	Non-sequential Shot Point
NF#	Non-sequential or Skipped File
PBK	Playback file
RET1	Primary Tape Unit Retries
RET2	Secondary Tape Unit Retries
TE1-16	Telemetry error count
UHTO	Pre-built user header is not received within time limit

I/O MSX SYSTEM REEL LOG

Fri Dec 28 08:01:47 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0016A012
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.9 deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

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

I/O MSX SYSTEM REEL LOG

Fri Dec 28 08:01:47 2001

REEL NUMBER	TAPE UNIT	FILE COUNT	FIRST FILE LAST FILE	FIRST SP LAST SP	FIRST FSID LAST FSID	START DATE & TIME END DATE & TIME
14	01	1545	91 2536	0 0	0000 00000 0000 00000	Dec 28, 2001 - 09:14:56 Dec 28, 2001 - 13:58:18

PC01-0016a012

Reel # 14 Date 28.12.01 Seq # 12

FSP 995 LSP 2535 FFFID 995 LFFID 2535
FGSP 1001 LGSP 2532 FGFFID 1001 LGFFID 2532

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
EOL SP: 2532 Offset: 152 ms 149 m

NearPhones - Channel Sets 3-18

Aux Chan	Comment
3	Good
4	Good
5	Good
6	Good
7	Good
8	Good
9	Good
10	Good
11	Good
12	Good
13	Good
14	Good
15	Good
16	Good
17	Good
18	Good

Bad/Noisy channels:

Bad Shots:

Lost Shots:

Environmental Noise

Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

RMS Noise Analysis

Average noise per line

(in RMS time gate)

(Time Gate 1000-1500 ms)

LCF 2 Hz LCF 8 Hz

19.52 8.77

Channel Noise statistics (8 Hz):

	# of Chan.	%	Av.noise
Noise level exc. 35 uB:	0	0	
Noise level exc. 15 uB:	0	0	
Noise level exc. 10 uB:	37	15.4	11.3

Brute Stack:

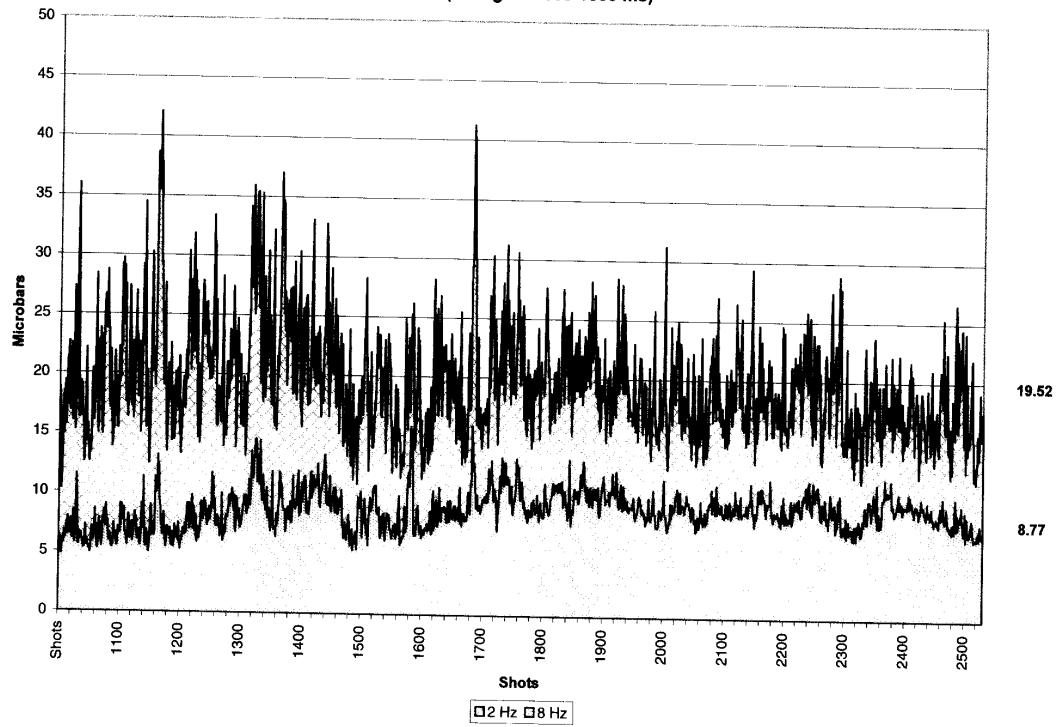
OK

Velocity Comments:

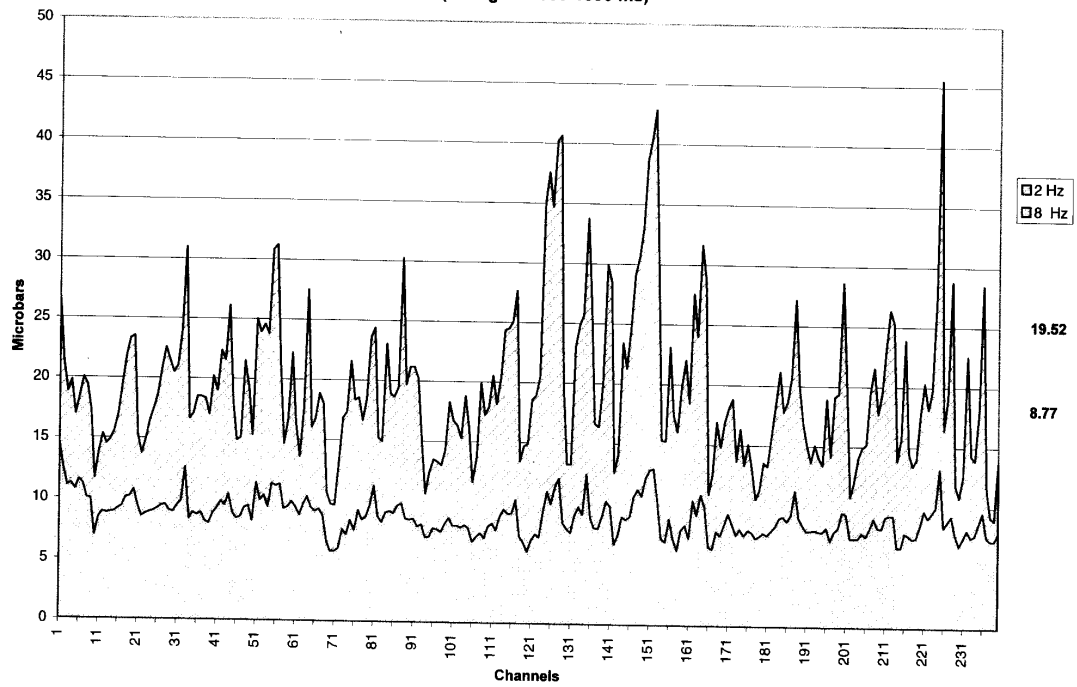
Additional Comments:

Multiples in analysis window increase noise level.

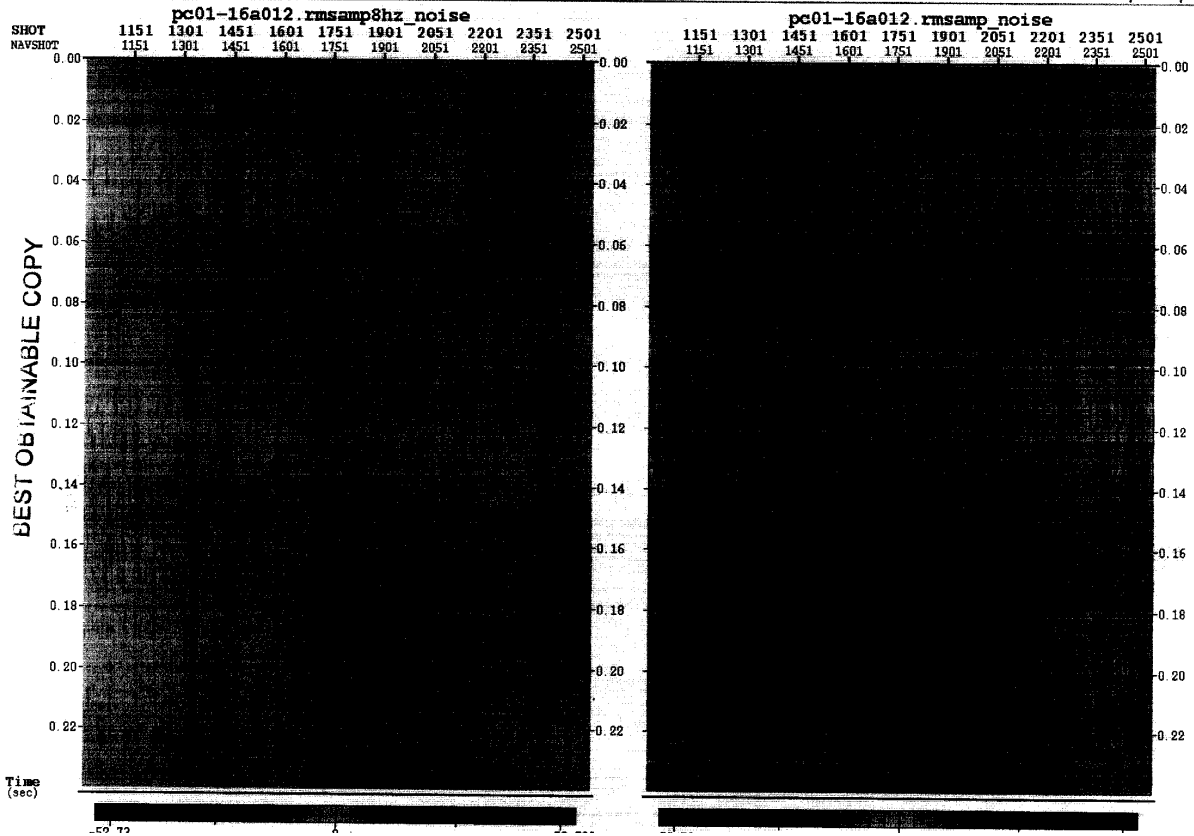
Line PC01-0016a012 Residual Shot Noise
(time gate 1000-1500 ms)

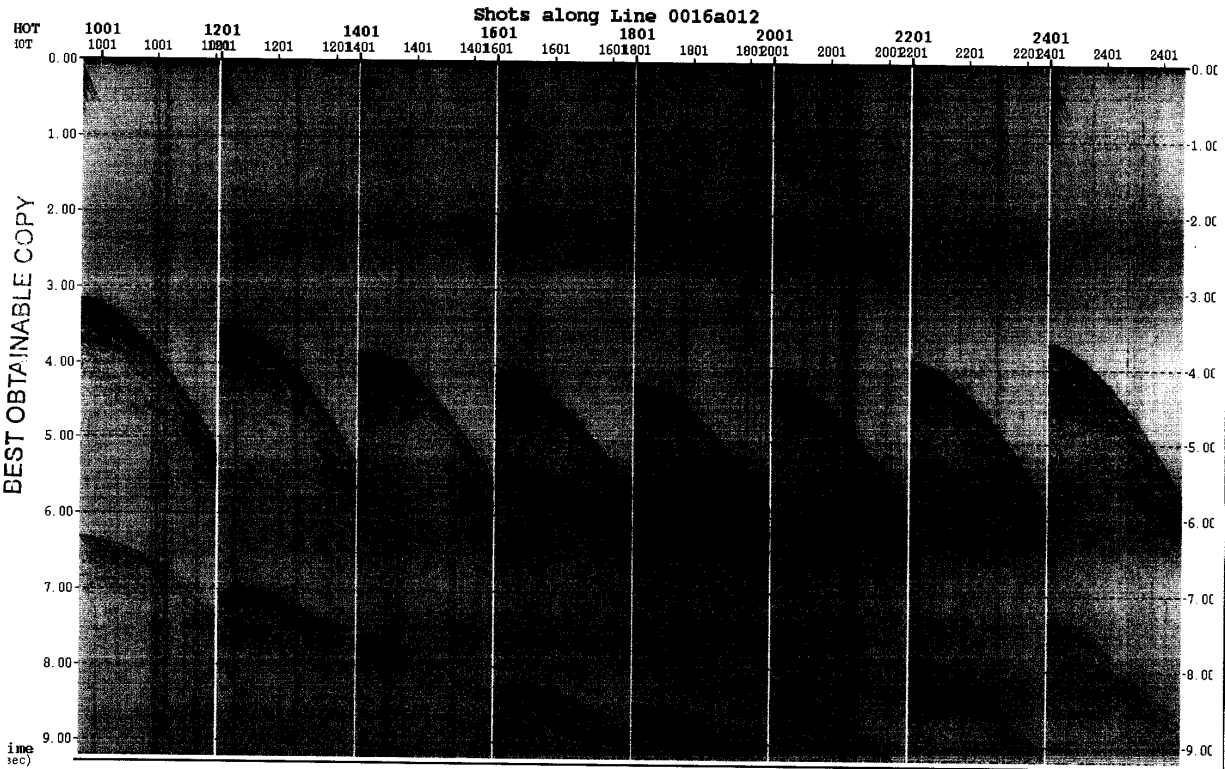


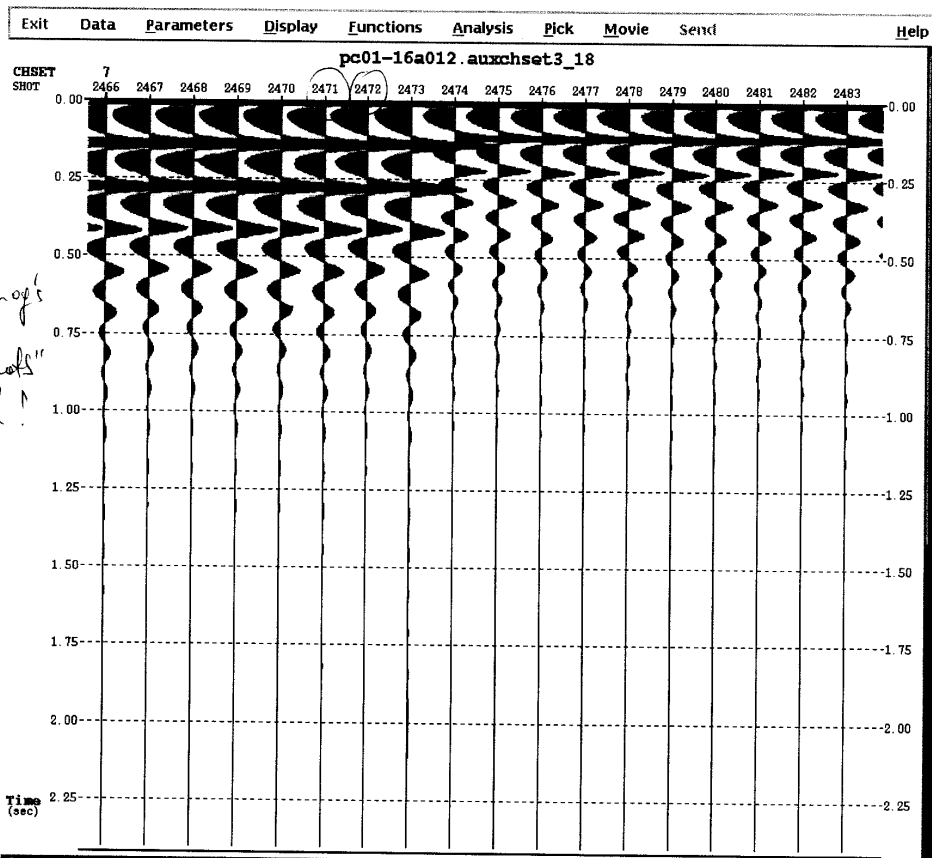
Line PC01-0016a012 Residual Channel Noise
(time gate 1000-1500 ms)



Chop RMS PC01-0016a012







Observer logs
Reported
"Bad Shots"
OK!

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