

LINE NAME:

PCP-FAS-PC01003

REF:

104714

OBSERVERS

OBSERVERS LOG

LINE

0003R003

VESSEL : R/V Geo Arctic		SOL : 16:28		EOL : 22:35		BAD GUNS	
CLIENT : PanCanadian Petr. Lmt.(PCP)		TIME : 16:28		22:35		Gun#4.2	
AREA : Block # VIC/P48&VIC/P49		SP : 1001		3123			
PROJECT : 34867		FFID : 1001		3105			
		REEL : 3		4			
LINE : 0003R003		BAD STREAMER TRACES				NOISY TRACES	
SEQ : 3							
DIR : 98.4							
DATE : 22.12.01							
REMARKS							
Gun Pressure at SOL		1992 psi		Pressure EOL		1992 psi	
Array Volume SOL		3660 cu in		Array Vol EOL		3410 cu in	
Offset Shots: Gun 2-5		149 m		Gun 3-5		149 m	
<p>Missed SP's: 1274,1280,1990,1992,1994,2169,2235,2466,2537,2539,2542, 2753,2757,3092,3094,3096,3098,3100</p> <p>SP#2576-bad(Gun#4.2 timing err. 2.25ms)</p> <p>SP#2897- bad(G#4.2 time error 2.38ms)</p> <p>SP#2903: G#4.2 OFF, total volume 3410cu in,dropout 6.8%</p> <p>SP#1915...3123 :bad depth control the head of cable(B#1...3 out of spec)</p> <p>SP#3004-3123 tape#4 tape spoilt. Data lost.</p>							
MISC. IL ANEQUIS							
SOL				EOL			
WIND				5 m/s			
WIND DIRECTION				250 deg			
SEA STATE				4 st			
SEA DIRECTION				250 deg			
CABLE DEPTH				8 m			
AVER.NOISE				6.4 uB(4Hz)			
AVER.NOISE				2.9 uB(8Hz)			
DEPTH				2508 m			
WIND				4 m/s			
WIND DIRECTION				300 deg			
SEA STATE				3 st			
AVER.NOISE				- uB(8Hz)			
AVER.NOISE				- uB(4Hz)			
DEPTH				2691 m			
SOURCE DEPTH				6 m			
OBSERVERS							
Safonov Victor				Shendrik Vladimir			
Bekezin Andrey				Usov Vladimir			
(00:00-12:00)				(12:00-24:00)			

0003R003							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	3	02	91				Noise
			92				Noise
			93				WB Gun#2-5
			94				WB Gun#3-5
16:27			995	995			SOL FSP
16:28	3	02	1001	1001	2508	4.5	FCSP
16:35			1040	1040	2552	4.1	
16:42			1080	1080	2572	4.0	
16:49			1120	1120	2690	3.8	
16:56			1160	1160	2619	3.3	Ship noise from abeam
17:03			1200	1200	2689	2.8	Ship noise from astern
17:10			1240	1240	2741	2.5	Ship noise gone
17:17			1280	1280	2731	2.0	SP#1274,1280 missed(d/t vessel speed)
17:23			1318	1320	2774	1.6	
17:31			1358	1360	2776	1.4	
17:38			1398	1400	2809	1.1	
17:45			1438	1440	2824	0.1	
17:52			1478	1480	2835	-1.0	
17:59			1518	1520	2859	-1.9	
18:06			1558	1560	2865	-2.6	
18:13			1598	1600	2886	-3.5	
18:20			1638	1640	2900	-3.9	
18:27			1678	1680	2917	-4.4	
18:34			1718	1720	2932	-4.8	
18:41			1758	1760	2946	-5.8	
18:48			1798	1800	2956	-6.1	
18:55			1838	1840	-	-6.6	
19:02			1878	1880	2983	-5.9	
19:09			1918	1920	3008	-5.1	
19:15			1958	1960	3030	-4.8	SP#1990,1992,1994 : missed(d/t vessel speed)
19:22			1995	2000	3041	-4.7	SP#1915...3123 :bad depth control the head
19:29			2035	2040	3054	-3.7	of cable(B#1...3 out of spec)
19:36			2075	2080	3075	-2.8	
19:43			2115	2120	3099	-2.2	SP#2107 Gun#3.1 timing err. 1.25ms
19:50			2155	2160	3099	-2.1	SP#2149 Gun#4.3 not found
19:57			2194	2200	3121	-1.8	SP#2169,2235 : missed(d/t vessel speed)
20:03			2233	2240	3132	-1.7	
20:10			2273	2280	3139	-1.8	
20:17			2313	2320	3136	-2.1	
20:24			2353	2360	3126	-2.4	
20:31			2393	2400	3152	-4.0	
20:38			2433	2440	3172	-5.0	
20:45			2472	2480	3217	-5.4	SP#2466,2537,2539,2542 missed
20:52			2512	2520	3185	-5.2	
20:58			2549	2560	3158	-5.0	SP#2569,2576,2579 Gun#4.2 timing err. 1.75, 2.25, 1.38ms
21:05			2589	2600	3176	-4.7	
21:12			2629	2640	2993	-4.2	
21:19			2669	2680	2908	-3.3	
21:26			2709	2720	2862	-2.3	
21:33			2747	2760	2830	-1.2	SP#2753,2757 missed
21:40			2787	2800	2769	-0.4	
21:47			2827	2840	2738	0.6	
21:53			2867	2880	2794	2.1	

mv Geo Arctic

0003R003							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
21:55			2870	2883			LCSP G#4.2 : t.err<2ms SP#2889,2893,2395,2898-2901,2903 SP#2897- bad(G#4.2 time error 2.38ms) SP#2903: G#4.2 OFF, total volume 3410cu in,dropout 6.8% SP#2974,2976,2979,2991,2997 G#4.3 t.err. LSP
22:00			2907	2920	3128	2.4	
			2947	2960			
			2987	3000			
22:15	3	02	2990	3003			
22:15	4	00	2991	3004			BOT Tape#4 accidentally over written. Data lost. To be reacquired
22:35	4	00	3105	3123			

23 12 2001 13:51

OBSERVERS LOG

LINE	0003B003
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VESSEL : R/V Geo Arctic CLIENT : PanCanadian Petr. Lmt.(PCP) AREA : Block # VIC/P48&VIC/P49 PROJECT : 34867		<table border="1"> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> <tr> <td>TIME</td> <td>16:28</td> <td>22:35</td> </tr> <tr> <td>SP</td> <td>1001</td> <td>3123</td> </tr> <tr> <td>FFID</td> <td>1001</td> <td>3105</td> </tr> <tr> <td>REEL</td> <td>3</td> <td>4</td> </tr> </table>			SOL	EOL	TIME	16:28	22:35	SP	1001	3123	FFID	1001	3105	REEL	3	4	BAD GUNS Gun#4.2																						
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0003B003							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
	3	02	91				Noise
			92				Noise
			93				WB Gun#2-5
			94				WB Gun#3-5
16:27			995	995			SOL FSP
16:28	3	02	1001	1001	2508	4.5	FCSP
16:35			1040	1040	2552	4.1	
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17:31			1358	1360	2776	1.4	
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17:45			1438	1440	2824	0.1	
17:52			1478	1480	2835	-1.0	
17:59			1518	1520	2859	-1.9	
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19:09			1918	1920	3008	-5.1	
19:15			1958	1960	3030	-4.8	
19:22			1995	2000	3041	-4.7	SP#1990,1992,1994 : missed(d/t vessel speed)
19:29			2035	2040	3054	-3.7	SP#1915...3123 :bad depth control the head
19:36			2075	2080	3075	-2.8	of cable(B#1...3 out of spec)
19:43			2115	2120	3099	-2.2	
19:50			2155	2160	3099	-2.1	SP#2107 Gun#3.1 timing err.1.25ms
19:57			2194	2200	3121	-1.8	SP#2149 Gun#4.3 not found
20:03			2233	2240	3132	-1.7	SP#2169,2235 : missed(d/t vessel speed)
20:10			2273	2280	3139	-1.8	
20:17			2313	2320	3136	-2.1	
20:24			2353	2360	3126	-2.4	
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20:52			2512	2520	3185	-5.2	
20:58			2549	2560	3158	-5.0	SP#2569,2576,2579 Gun#4.2 timing err.1.75, 2.25, 1.38ms
21:05			2589	2600	3176	-4.7	
21:12			2629	2640	2993	-4.2	
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21:33			2747	2760	2830	-1.2	SP#2753,2757 missed
21:40			2787	2800	2769	-0.4	
21:47			2827	2840	2738	0.6	
21:53			2867	2880	2794	2.1	

mv Geo Arctic

0003B003						
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)
22:00			2907 2947 2987	2920 2960 3000	3128	2.4
	3	02	2990	3003		
	4	00	2991	3004		
22:21			3027	3040	2756	6.1
22:28			3067	3080	2742	7.3
22:35			3105	3123	2691	8.8
			3108	3126		
			3109			

G#4.2 : t.err<2ms SP#2889,2893,2395,2898-2901,2903
 SP#2897- bad(G#4.2 time error 2.38ms)
 SP#2903: G#4.2 OFF, total volume 3410cu in,dropout 6.8%
 SP#2974,2976,2979,2991,2997 G#4.3 t.err.

EOT

BOT

SP#3007,3013 G#4.3 not found
 SP#3031,3040 G#4.3 t.err.
 SP#3092,3094,3096,3098,3100-missed

EOL

SP#3124-3126 dummy
 noise

22 12 2001 22:56

I/O MSX SYSTEM OBSERVER LOG

Sat Dec 22 16:41:28 2001

LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0003003 00032003
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	98.4 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	3	02	0000 00000	Dec 22, 2001 - 16:14:12	UHTO; NF#; DSP; NFSID; BOR; ITB;	noise
0	92	3	02	0000 00000	Dec 22, 2001 - 16:15:44	UHTO; DSP; NFSID; ITB;	noise
0	93	3	02	0000 00000	Dec 22, 2001 - 16:20:40	UHTO; NF#; DSP; NFSID;	WB Gun#2.5
0	94	3	02	0000 00000	Dec 22, 2001 - 16:21:24	UHTO; DSP; NFSID;	WB Gun#3.5
995	995	3	02	1356 01864	Dec 22, 2001 - 16:27:36	BOL; NF#; NSP; NFSID;	SOL FSP
1001	1001	3	02	1356 01870	Dec 22, 2001 - 16:28:40		FCSP
1275	1274	3	02	1356 02144	Dec 22, 2001 - 17:15:54	NSP; NFSID;	SP#1274 missed d/t vessel speed
1281	1279	3	02	1356 02150	Dec 22, 2001 - 17:16:54	NSP; NFSID;	SP#1280 missed d/t vessel speed
1991	1988	3	02	1356 02860	Dec 22, 2001 - 19:21:16	NSP; NFSID;	SP#1990 missed d/t vessel speed
1993	1989	3	02	1356 02862	Dec 22, 2001 - 19:21:36	NSP; NFSID;	SP#1992 missed d/t vessel speed
1995	1990	3	02	1356 02864	Dec 22, 2001 - 19:21:56	NSP; NFSID;	SP#1994 missed d/t vessel speed
2170	2164	3	02	1356 03039	Dec 22, 2001 - 19:51:56	NSP; NFSID;	SP#2169 missed d/t vessel speed
2236	2229	3	02	1356 03105	Dec 22, 2001 - 20:03:16	NSP; NFSID;	SP#2235 missed d/t vessel speed
2467	2459	3	02	1356 03336	Dec 22, 2001 - 20:42:56	NSP; NFSID;	SP#2466 missed d/t vessel speed
2538	2529	3	02	1356 03407	Dec 22, 2001 - 20:55:04	NSP; NFSID;	SP#2537 missed d/t vessel speed
2540	2530	3	02	1356 03409	Dec 22, 2001 - 20:55:24	NSP; NFSID;	SP#2539 missed d/t vessel speed
2543	2532	3	02	1356 03412	Dec 22, 2001 - 20:55:54	NSP; NFSID;	SP#2542 missed d/t vessel speed
2754	2742	3	02	1356 03623	Dec 22, 2001 - 21:32:20	NSP; NFSID;	SP#2753 missed d/t vessel speed
2758	2745	3	02	1356 03627	Dec 22, 2001 - 21:33:00	NSP; NFSID;	SP#2757 missed d/t vessel speed
3004	2991	4	00	1356 03873	Dec 22, 2001 - 22:15:06	BOR;	
3093	3079	4	00	1356 03962	Dec 22, 2001 - 22:30:12	NSP; NFSID;	SP#3092 missed d/t vessel speed
3095	3080	4	00	1356 03964	Dec 22, 2001 - 22:30:32	NSP; NFSID;	SP#3094 missed d/t vessel speed
3097	3081	4	00	1356 03966	Dec 22, 2001 - 22:30:52	NSP; NFSID;	SP#3096 missed d/t vessel speed
3099	3082	4	00	1356 03968	Dec 22, 2001 - 22:31:12	NSP; NFSID;	SP#3098 missed d/t vessel speed
3101	3083	4	00	1356 03970	Dec 22, 2001 - 22:31:32	NSP; NFSID;	SP#3100 missed d/t vessel speed
3123	3105	4	00	1356 03992	Dec 22, 2001 - 22:35:20		Last SP
3126	3108	4	00	1356 03995	Dec 22, 2001 - 22:35:52	EOL;	SP#3124-3126 dummy
0	3109	4	00	0000 00000	Dec 22, 2001 - 22:37:44	UHTO; NSP; NFSID; ITB;	noise

I/O MSX SYSTEM REEL LOG

Sat Dec 22 16:41:39 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0003R003 0003R003
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	98.4 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

Sat Dec 22 16:41:39 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
3	02	2000	91 2990	0 3003	0000 00000 1356 03872	Dec 22, 2001 - 16:14:12 Dec 22, 2001 - 22:14:56
4	00	119	2991 3109	3004 0	1356 03873 0000 00000	Dec 22, 2001 - 22:15:06 Dec 22, 2001 - 22:37:44

PC01-0003r003

Reel # **001** Date **22.12.01** Seq # **001**

FSP 995 LSP 2103 FFFID 995 LFFID 2103
 FGSP 1001 LGSP 2100 FGFFID 998 LGFFID 2100

Water Break - Channel Set 2

SOL SP: 1001
 EOL SP: 2100

Offset: 152 ms 149 m
 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

Aux Chan Comment
 11 Good
 12 Good
 13 Good
 14 Good
 15 Good
 16 Good
 17 Good
 18 Good

Bad/Noisy channels:

Bad Shots:

Lost Shots:

1274, 1280, 1990, 19992, 1994, 2169, 2235,
 2466, 2537, 2539, 2542, 2753, 2757

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

11.66 9.1

Channel Noise statistics (8 Hz):

Noise level exc. 35 uB:

Noise level exc. 15 uB:

Noise level exc. 10 uB:

# of Chan.	%	Av.noise
0	0	
2	0.8	17.6
56	23.3	11.5

Brute Stack:

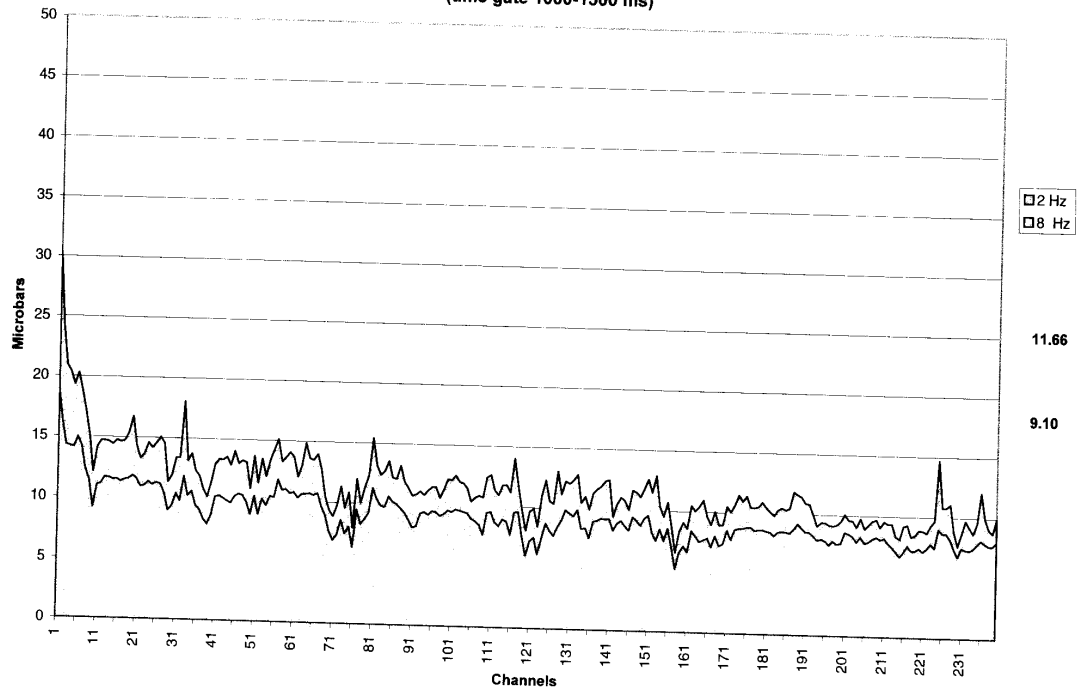
OK

Velocity Comments:

Additional Comments:

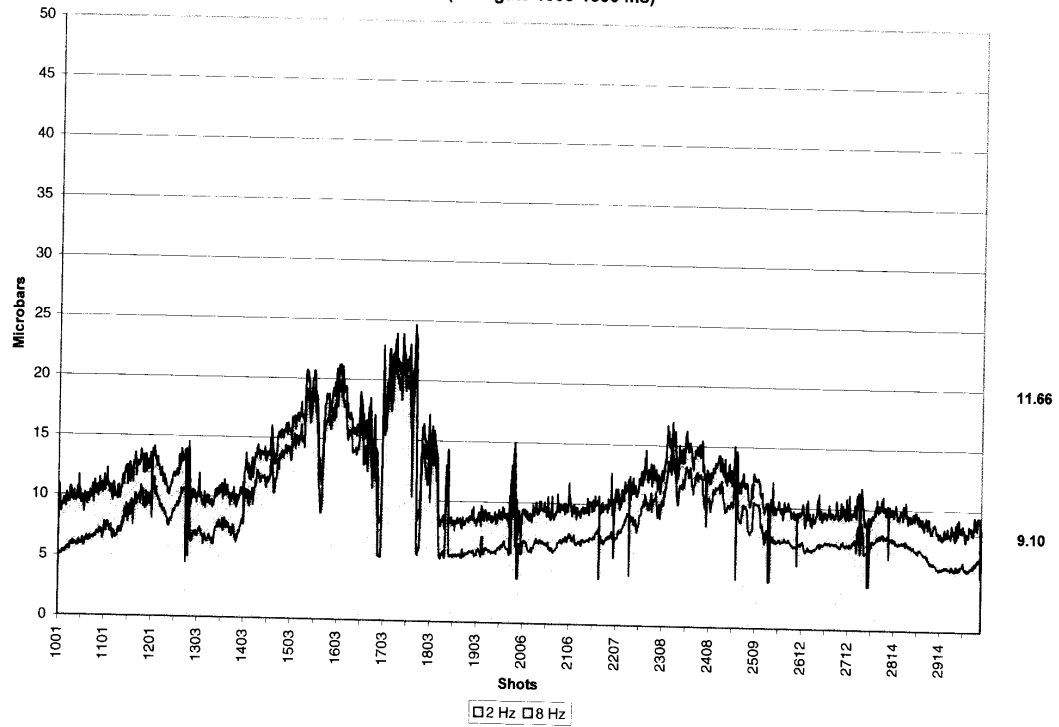
Multiples in analysis window increase noise level.

Line PC01-0003b003 Residual Channel Noise
(time gate 1000-1500 ms)



Chan_RMS PC02-03b003 v1c

Line PC01-0003b003 Residual Shot Noise
(time gate 1000-1500 ms)



Shot 2914 2003-03-03 11:11:11

