

LINE NAME:

PCP-FAS-PC01010

REF:

104734

OBSERVERS

OBSERVERS LOG

LINE	0010A023
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: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 05:28 11:14 : 1001 2958 : 1001 2957 : 26 26		
: 0010A023 : 23 : 179.8 : 01.01.02				
Gun Pressure at SOL	1992 psi	Pressure EOL	1957 psi	
Array Volume SOL	3660 cu in	Array Vol EOL	3660 cu in	
Offset Shots: Gun 2-5		149 m	Gun 3-6	146 m
SP#1057-1058: telemetry errors. SP#1785 missed. SP#2123: depth of streamer is installed 8.5m. SP#2542-EOL feathering angle > 10deg.				
Safonov Victor		Shendrik Vladimir		
Bekezin Andrey		Usov Vladimir		
(00:00-12:00)		(12:00-24:00)		
		SOL		
		WIND		2 m/s
		WIND DIRECTION		345 deg
		SEA STATE		swell 1 m
		SEA DIRECTION		250 deg
		CABLE DEPTH		8 m
		AVER.NOISE		6.7 uB(4Hz)
		AVER.NOISE		3.1 uB(8Hz)
		DEPTH		2519 m
		EOL		
		WIND		8 m/s
		WIND DIRECTION		300 deg
		SEA STATE		4
		AVER.NOISE		2.8 uB(8Hz)
		AVER.NOISE		6.2 uB(4Hz)
		DEPTH		2060 m
		SOURCE DEPTH		6 m

mv Geo Arctic

0010A023						
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)
	26	01	91			WB Gun#2-5
			92			WB Gun#3-5
			93			Noise
05:27			995	995		SOL FSP
05:28	26	01	1001	1001	2519	-5.4 FCSP
05:38			1040	1040	2558	-6.0 SP#1057,1058 telemetry errors (30 modules).
05:42			1080	1080	2606	-7.0
05:42			1120	1120	2601	-7.5
05:57			1160	1160	2623	-8.6
06:04			1200	1200	2657	-9.0
06:11			1240	1240	2686	-9.2
06:19			1280	1280	2698	-9.1
06:26			1320	1320	2650	-8.8
06:33			1360	1360	2749	-8.7
06:40			1400	1400	2771	-8.6
06:47			1440	1440	2800	-8.7
06:54			1480	1480	2818	-8.9
07:02			1520	1520	2829	-9.1
07:09			1560	1560	2781	-9.0
07:16			1600	1600	2804	-8.4
07:23			1640	1640	2772	-7.9
07:30			1680	1680	2762	-6.8
07:37			1720	1720	2768	-6.5
07:44			1760	1760	2761	-6.3
07:51			1799	1800	2754	-5.7 SP#1785 missed.
07:59			1839	1840	2860	-5.0
08:06			1879	1880	2769	-4.8
08:13			1919	1920	2740	-4.2
08:20			1959	1960	2711	-3.9
08:27			1999	2000	2675	-3.4
08:34			2039	2040	2636	-2.7
08:41			2079	2080	2600	-1.9
08:48			2119	2120	-	-0.8 From SP#2123 depth of streamer is installed 8.5m.
08:55			2159	2160	2531	0.6
09:02			2199	2200	-	1.5
09:09			2239	2240	2508	2.5
09:16			2279	2280	2432	4.1
09:23			2319	2320	2309	5.3
09:30			2359	2360	2370	6.2
09:37			2399	2400	2313	7.1
09:44			2439	2440	2342	8.1
09:51			2479	2480	2372	8.9
09:59			2519	2520	2278	9.7
10:05			2559	2560	2240	10.4 SP#2542: feathering angle > 10deg.
10:12			2599	2600	2333	10.7
10:19			2639	2640	2235	9.9
10:26			2679	2680	-	10.0
10:33			2719	2720	2204	10.8 From SP#2710 G#2.2 many "not found" alarms -
10:40			2759	2760	2189	11.8 gun believed to working correctly..
10:47			2799	2800	2154	12.5
10:53			2837	2838	-	12.8 LCSP
11:00			2879	2880	-	13.0
11:08			2919	2920	2150	12.9
11:14			2957	2958	2060	12.5 EOL. LSP
11:15			2960	2961		LdSP
	26	00	2961			Noise

01 01 2002 11:16

I/O MSX SYSTEM OBSERVER LOG

Tue Jan 1 05:19:43 2002

LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0010A023
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	179.8deg
<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	26	00	0000 00000	Jan 01, 2002 - 05:10:08	UHTO; NF#; DSP; NFSID;	WB Gun#2.5
0	92	26	00	0000 00000	Jan 01, 2002 - 05:11:28	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	26	00	0000 00000	Jan 01, 2002 - 05:14:24	UHTO; DSP; NFSID; ITB;	Noise
995	995	26	00	2001 27226	Jan 01, 2002 - 05:27:04	BOL; NF#; NSP; NFSID;	FSP
1001	1001	26	00	2001 27232	Jan 01, 2002 - 05:28:08		FCSP
1057	1057	26	00	2001 27288	Jan 01, 2002 - 05:38:12	TE1;	
1058	1058	26	00	2001 27289	Jan 01, 2002 - 05:38:24	TE1;	
1786	1785	26	00	2001 28017	Jan 01, 2002 - 07:49:28	NSP; NFSID;	SP#1785 missed
2838	2837	26	00	2001 29069	Jan 01, 2002 - 10:53:38		LCSP
2958	2957	26	00	2001 29189	Jan 01, 2002 - 11:14:44		LSP
2961	2960	26	00	2001 29192	Jan 01, 2002 - 11:15:16		LdSP
0	2961	26	00	0000 00000	Jan 01, 2002 - 11:15:44	EOL; UHTO; NSP; NFSID; ITB;	noise

EXCEPTION ABBREVIATION LIST

<i>MNEMONIC</i>	<i>DESCRIPTION</i>
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

Tue Jan 1 05:19:58 2002

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0010A023
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	179.8deg
<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

Tue Jan 1 05:19:58 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
26	00	1970	91 2961	0 0	0000 00000 0000 00000	Jan 01, 2002 - 05:10:08 Jan 01, 2002 - 11:15:44

PC01-0010a023

Reel # 26 Date 01.01.02 Seq # 23

FSP 995 LSP 2961 FFFID 995 LFFID 2960
 FGSP 1001 LGSP 2958 FGFFID 1001 LGFFID 2957

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
 EOL SP: 2958 Offset: 152 ms 149 m

NearPhones - Channel Sets 3-18

Aux Chan	Comment	Aux Chan	Comment
3	Good	11	Good
4	Good	12	Good
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: 1057, 1058
 Lost Shots: 1785

Environmental Noise

Bird / retriever noise

RMS Noise Analysis

Average noise per line

(in RMS time gate)

(Amplitude Plots / NearTrace Plot)

(Time Gate 2000-2500 ms)

LCF 2 Hz LCF 8 Hz

12.09 5.82

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:	20	8.3	11.8

Brute Stack:

OK

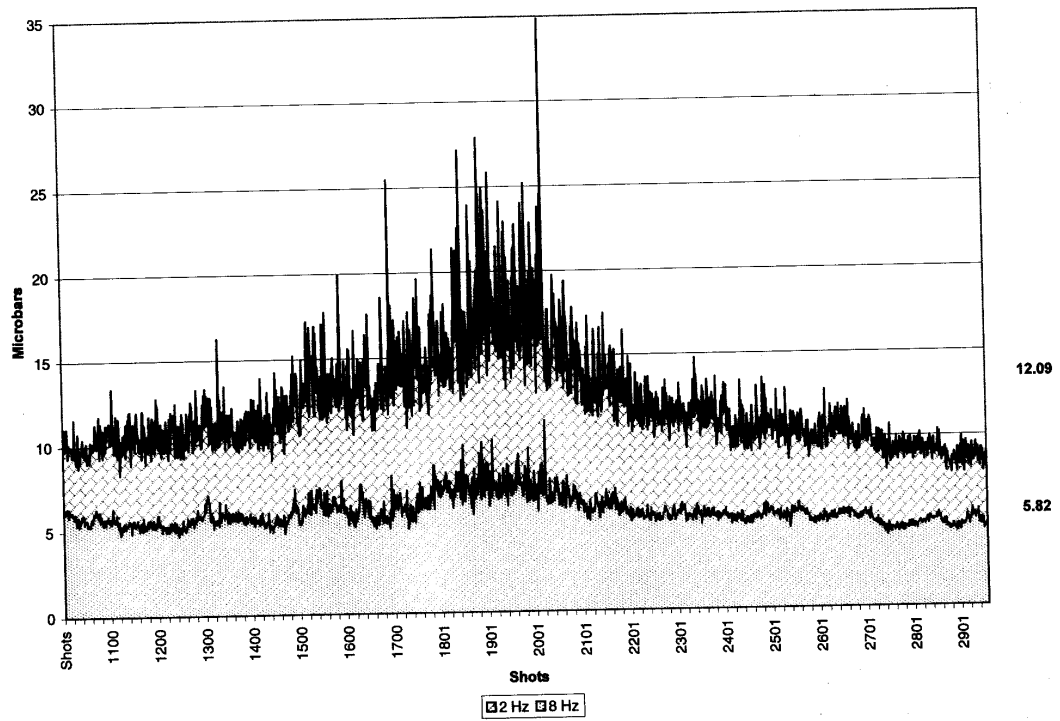
Velocity Comments:

Additional Comments:

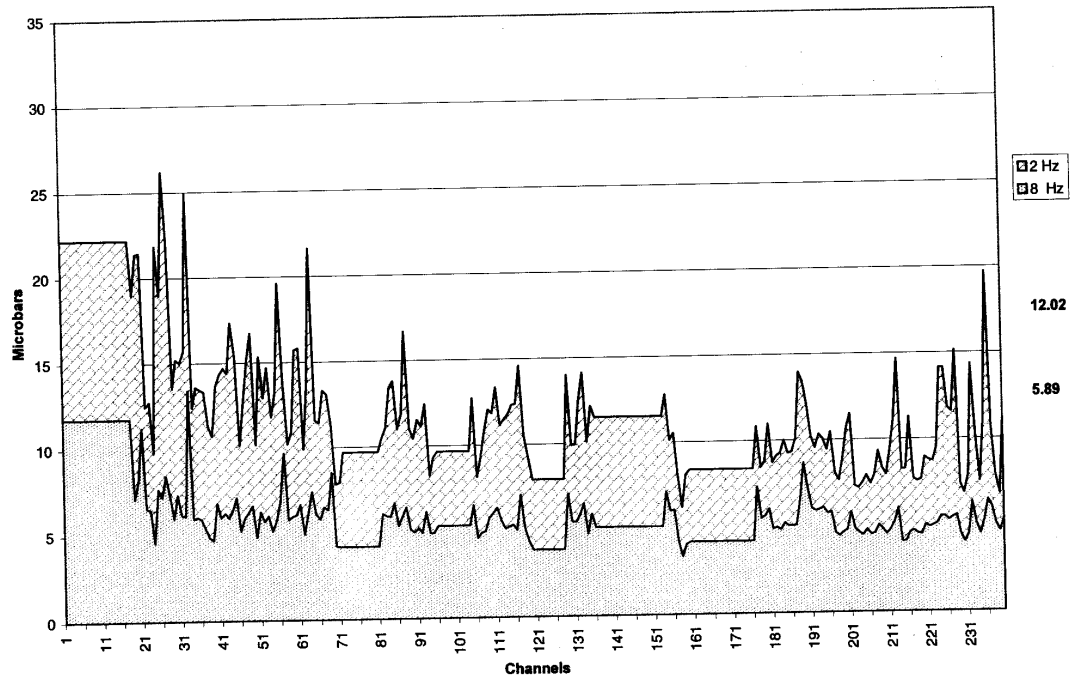
Bad shots (see) distort noise calculations

Multiples in analysis window increase noise level.

Line PC01-0010a023 Residual Shot Noise
(time gate 2000-2500 ms)



Line PC01-0010a023 Residual Channel Noise
(time gate 2000-2500 ms)



R/V 'Geo Arctic'

pc01-10a023.rmsamp8hz noise
SHOT 1201 1401 1601 1802 2002 2202 2402 2602 2802
NAVSOT 1201 1401 1601 1802 2002 2202 2402 2602 2802

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