

LINE NAME:

PCP-FAS-PC01001

REF:

104716

OBSERVERS

OBSERVERS LOG

LINE	0001A005
------	----------

: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 12:19 16:05 : 1001 2308 : 1001 2305 : 7 7		
LINE	0001A005			
SEQ	5			
SR	100.2			
DATE	23.12.01			
Gun Pressure at SOL 1957 psi Array Volume SOL 3660 cu in		Pressure EOL 1992 psi Array Vol EOL 3660 cu in		
Offset Shots: Gun 2-5 149 m		Gun 3-6 146 m		
Missed SP# 1195,1198,2124, From SP#2247 to SP#2308 feathe angle >7 deg				
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)		
		SOL WIND : 6 m/s WIND DIRECTION : 110 deg SEA STATE : 2 st SEA DIRECTION : 100 deg CABLE DEPTH : 8 m AVER.NOISE : 5.8 uB(4Hz) AVER.NOISE : 3.9 uB(8Hz) DEPTH : 2594 m EOL WIND : 7 m/s WIND DIRECTION : 210 deg SEA STATE : 3 AVER.NOISE : 1.8 uB(8Hz) AVER.NOISE : 5.2 uB(4Hz) DEPTH : 2213 m		
		SOURCE DEPTH : 6 m		

mv Geo Arctic

0001A005						
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)
	7	02	91			WB Gun#2-5
			92			WB Gun#3-5
			93			Noise. (Ship noise from abeam).
			94			Noise. (Ship noise from abeam).
12:18			995	995		SOL FSP. Weak ship noise from abeam.
12:19	7	02	1001	1001	2594	-1.4
12:25			1040	1040	2612	-1.6
12:32			1080	1080	2588	-2.2
12:39			1120	1120	2604	-3.1
12:46			1160	1160	2594	-4.0
12:52			1198	1200	2565	-4.9
12:59			1238	1240	2593	-5.5
13:06			1278	1280	2650	-5.5
13:13			1318	1320	2659	-5.2
13:20			1358	1360	2704	-4.6
13:27			1398	1400	2769	-4.1
13:33			1438	1440	2765	-3.9
13:40			1478	1480	2797	-3.9
13:47			1518	1520	2697	-3.7
13:54			1558	1560	2633	-4.0
14:01			1598	1600	2618	-4.0
14:08			1638	1640	2585	-3.8
14:15			1678	1680	2625	-3.6
14:22			1718	1720	2554	-3.0
14:29			1758	1760	2542	-2.7
14:36			1798	1800	2569	-2.6
14:43			1838	1840	2536	-2.3
14:50			1878	1880	2477	-2.3
14:57			1918	1920	2450	-2.2
15:05			1958	1960	2405	-2.4
15:11			1998	2000	2362	-2.9
15:18			2038	2040	2331	-3.6
15:25			2078	2080	2336	-4.5
15:32			2118	2120	2346	-5.4
15:39			2157	2160	2351	-6.1
15:44			2185	2188		LCSP
15:46			2197	2200	2342	-6.6
15:53			2237	2240	2262	-6.8
16:00			2277	2280	2215	-7.9
16:05			2305	2308	2213	-7.1
			2308	2311		LdSP
			2309			Noise

I/O MSX SYSTEM OBSERVER LOG

Sun Dec 23 10:12:09 2001

LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0001A005
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	100.2 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	7	02	0000 00000	Dec 23, 2001 - 12:04:00	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	7	02	0000 00000	Dec 23, 2001 - 12:05:36	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	7	02	0000 00000	Dec 23, 2001 - 12:09:32	UHTO; DSP; NFSID; ITB;	Noise
0	94	7	02	0000 00000	Dec 23, 2001 - 12:14:40	UHTO; NF#; DSP; NFSID; ITB;	Noise
995	995	7	02	1357 06075	Dec 23, 2001 - 12:18:20	BOL; NF#; NSP; NFSID;	FSP
1001	1001	7	02	1357 06081	Dec 23, 2001 - 12:19:22		FCSP
1196	1195	7	02	1357 06276	Dec 23, 2001 - 12:52:12	NSP; NFSID;	SP#1195 missed
1199	1197	7	02	1357 06279	Dec 23, 2001 - 12:52:40	NSP; NFSID;	SP#1198 missed
2125	2122	7	02	1357 07205	Dec 23, 2001 - 15:33:16	NSP; NFSID;	SP#2124 missed
2188	2185	7	02	1357 07268	Dec 23, 2001 - 15:44:18	RET1: 1;	LCSP
2308	2305	7	02	1357 07388	Dec 23, 2001 - 16:05:40		LSP
2311	2308	7	02	1357 07391	Dec 23, 2001 - 16:06:14	EOL;	LdSP
0	2309	7	02	0000 00000	Dec 23, 2001 - 16:10:18	UHTO; NF#; DSP; 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

Sun Dec 23 10:12:13 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0001A005
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	100.2 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

Sun Dec 23 10:12:13 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
7	02	1319	91 2309	0 0	0000 00000 0000 00000	Dec 23, 2001 - 12:04:00 Dec 23, 2001 - 16:10:18
7			1001 2305	1001 2308		Dec 23, 2001 - 12:19 Dec 23, 2001 - 16:05

PC01-0001a005

Reel # 7 Date 23.12.01 Seq # 004

FSP 995 LSP 2311 FFFID 995 LFFID 2308
FGSP 1001 LGSP 2308 FGFFID 1001 LGFFID 2305

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
EOL SP: 2308 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:

Lost Shots:

1195, 1198, 2124

Environmental Noise

Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

RMS Noise Analysis

Average noise per line

(in RMS time gate)

(Time Gate 2000-2500 ms)

LCF 2 Hz LCF 8 Hz

7.4 4.16

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:	0	0	

Brute Stack:

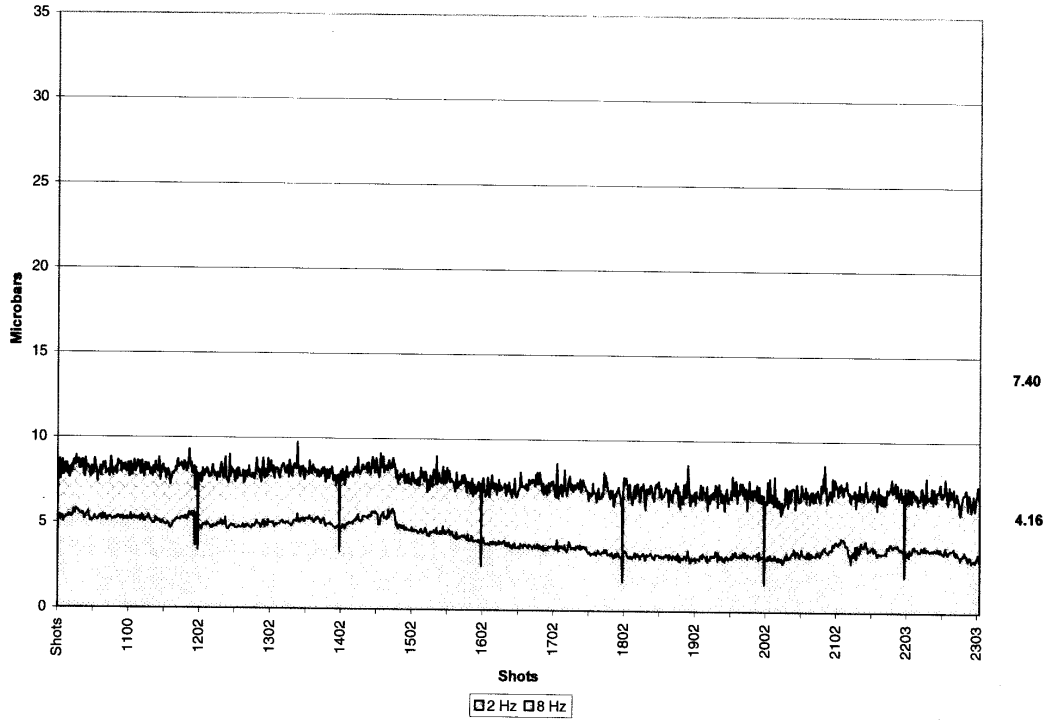
OK

Velocity Comments:

Additional Comments:

Multiples in analysis window increase noise level.

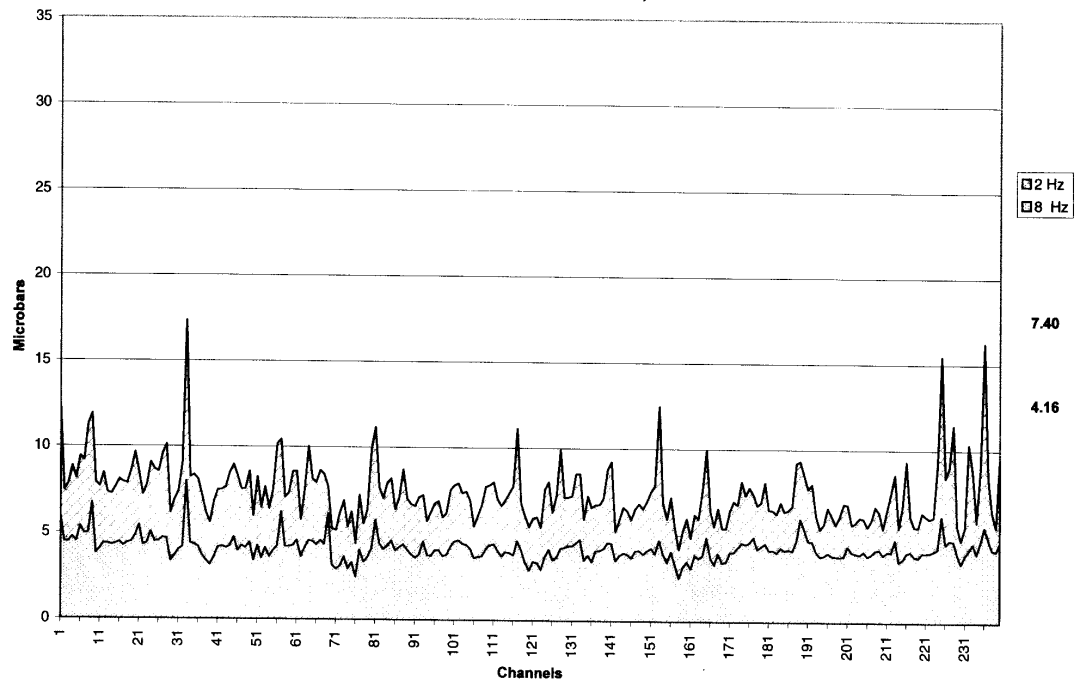
Line PC01-0001a005 Residual Shot Noise
(time gate 2000-2500 ms)



Shot RMS PC02-01a005.xls

24 12 01 09:44

Line PC01-0001a005 Residual Channel Noise
(time gate 2000-2500 ms)



Chan_RMS_PC02-01a005.xls

BN/Geo/Amplitude



