

LINE NAME:

PCP-FAS-PC01014

REF:

104724

OBSERVERS

OBSERVERS LOG

LINE	0014A013
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R/V Geo Arctic PanCanadian Petr. Lmt.(PCP) Block # VIC/P48&VIC/P49 34867		17:24 22:29 1001 2689 1001 2689 15 15	
0014A013 13 359.6 28.12.01			
Gun Pressure at SOL 2051 psi Array Volume SOL 3660 cu in Offset Shots: Gun 2-5 149 m Gun 3-6 149 m SP#1032,1551,1967-bad(telemetry error ,30 modules)	Pressure EOL 1992 psi Array Vol EOL 3660 cu in	SOL WIND : 3 m/s WIND DIRECTION : 370 deg SWELL : 1.5 m SWELL direction : 370 deg CABLE DEPTH : 8 m AVER.NOISE : 5.5 uB(4Hz) AVER.NOISE : 2.9 uB(8Hz) DEPTH : 2463 m EOL WIND : 5 m/s WIND DIRECTION : 70 deg SWELL : 1 m SWELL direction : 180 deg AVER.NOISE : 2.6 uB(8Hz) AVER.NOISE : 4.4 uB(4Hz) DEPTH : 2537 m SOURCE DEPTH : 6 m	
Safonov Victor Bekezin Andrey (00:00-12:00)	Shendrik Vladimir Usov Vladimir (12:00-24:00)		

mv Geo Arctic

0014A013							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	15	00	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
			995	995			SOL FSP
17:24	15	00	1001	1001	2463	-5.8	FCSP
17:30			1040	1040	2538	-5.1	SP#1032 Telemetry errors 1-30
17:38			1080	1080	2515	-4.0	
17:45			1120	1120	2500	-3.6	
17:53			1160	1160	2496	-3.0	
18:00			1200	1200	2517	-1.9	
18:08			1240	1240	2546	-1.2	
18:15			1280	1280	2571	-0.6	SP#1254,1255,1256,1259,1278 G#2.2 not found (sensor problem)
18:22			1320	1320	2607	0.0	SP#1551 Telemetry errors 1-30
18:30			1360	1360	2652	0.6	SP#1364,1365,1399,1403,1407,1409,1415,1418,1467,1483,1489,1491,
18:37			1400	1400	2752	0.8	1526,1529,1542,1555,1569,1570,1574,1578,1579,1586,1594, 1607,1611,
18:45			1440	1440	2720	1.4	1612,1630,1632,1635,1636,1638,1650,1652,1662,1664,1665,1666,1668,
18:52			1480	1480	2748	2.3	1669,1671,1695,1708,1712,1721,1726-1728, 1730,1741,1744,1745,1762
19:00			1520	1520	2804	3.2	G#2.2 not found
19:07			1560	1560	2833	4.2	
19:15			1600	1600	2868	5.0	
19:22			1640	1640	2898	5.8	
19:30			1680	1680	2929	6.3	
19:38			1720	1720	2950	6.8	
19:45			1760	1760	2962	7.7	
19:52			1800	1800	2961	8.4	
19:59			1840	1840	2984	8.9	
20:07			1880	1880	3024	9.8	
20:14			1920	1920	3094	9.6	
20:21			1960	1960	3042	9.7	SP#1967 Telemetry errors 1-30
20:28			2000	2000	3043	10.1	
20:35			2040	2040	3029	9.9	
20:43			2080	2080	3013	9.3	SP#2080 G#2.2 not found
20:50			2120	2120	2983	9.2	
20:57			2160	2160	2956	8.2	
21:04			2200	2200	2924	8.4	
21:12			2240	2240	2902	8.4	
21:19			2280	2280	2869	8.1	
21:25			2320	2320	2840	8.0	
21:32			2360	2360	2810	8.2	
21:39			2400	2400	2775	8.6	
21:46			2440	2440	2749	8.8	
21:53			2480	2480	2725	9.1	
22:00			2520	2520	2688	9.4	
22:07			2560	2560	2649	9.7	
22:09			2569	2569			LCSP
22:14			2600	2600	2596	9.7	
22:21			2640	2640	2599	9.3	
22:29			2689	2689	2537	9.1	LSP
			2692	2692			EOL LdSP
			2693				noise

I/O MSX SYSTEM OBSERVER LOG

Fri Dec 28 16:33:56 2001

LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0014A013
<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	00	0000 00000	Dec 28, 2001 - 17:09:08	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	14	00	0000 00000	Dec 28, 2001 - 17:10:00	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	14	00	0000 00000	Dec 28, 2001 - 17:14:56	UHTO; DSP; NFSID; ITB;	Noise
995	995	14	00	1362 13728	Dec 28, 2001 - 17:22:56	BOL; NF#; NSP; NFSID;	SOL FdSP
1032	1032	14	00	1362 13765	Dec 28, 2001 - 17:29:32	TE1;	Telemetry error for modules 1-30
1551	1551	14	00	1362 14284	Dec 28, 2001 - 19:05:52	TE1;	Telemetry error for modules 1-30
1967	1967	14	00	1362 14700	Dec 28, 2001 - 20:22:20	TE1;	Telemetry error for modules 1-30
2569	2569	14	00	1362 15302	Dec 28, 2001 - 22:09:04		LGSP
2689	2689	14	00	1362 15422	Dec 28, 2001 - 22:29:40		LSP
2692	2692	14	00	1362 15425	Dec 28, 2001 - 22:30:12	EOL;	LdSP
0	2693	14	00	0000 00000	Dec 28, 2001 - 22:30:30	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

Fri Dec 28 16:33:15 2001

LINE INFORMATION

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<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0014A013
<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: PanCanadian Pet.Lim. PROSPECT: 2001 MIDAS'2D SURVEY

I/O MSX SYSTEM REEL LOG

Fri Dec 28 16:33:15 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	00	1702	995 2693	995 0	1362 13728 0000 00000	Dec 28, 2001 - 17:22:56 Dec 28, 2001 - 22:30:30

PC01-0014a013

Reel # 15 Date 28.12.01 Seq # 13

FSP 995 LSP 2692 FFFID 995 LFFID 2692
FGSP 1001 LGSP 2689 FGFFID 1001 LGFFID 2689

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
EOL SP: 2689 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	Bad signal SP 1529-1537	16	Good
9	Good	17	Good
10	Good	18	Good

Bad/Noisy channels:

Bad Shots:

1032, 1551, 1967

Lost Shots:

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)

9.8 6.21

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:	3	1.3	11.4

Brute Stack:

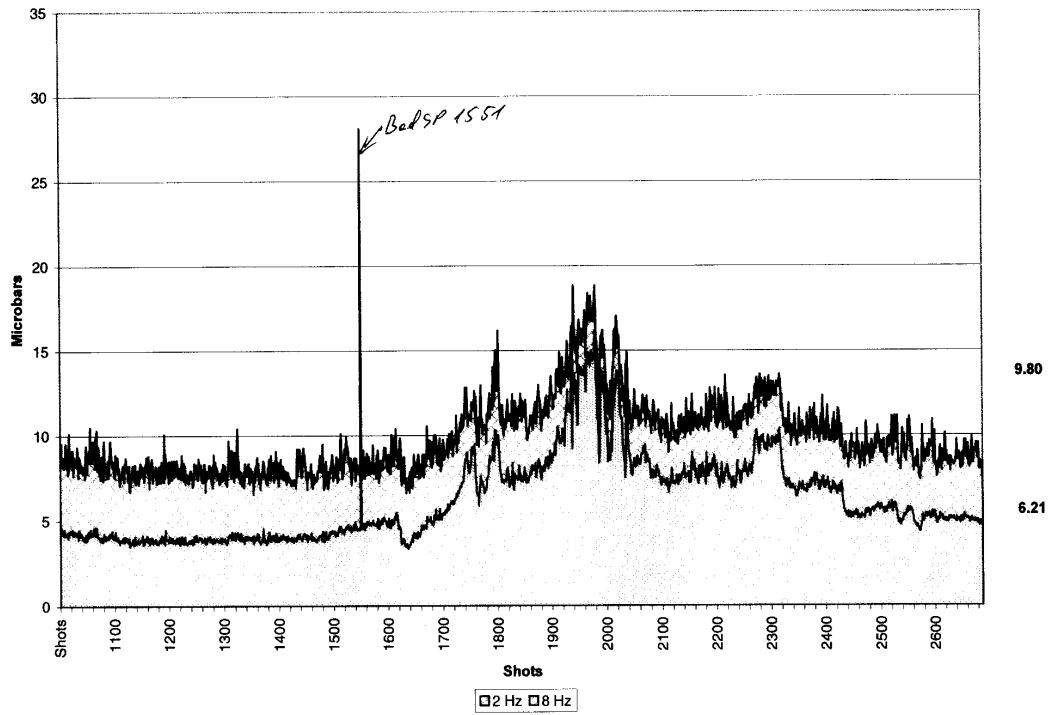
OK

Velocity Comments:

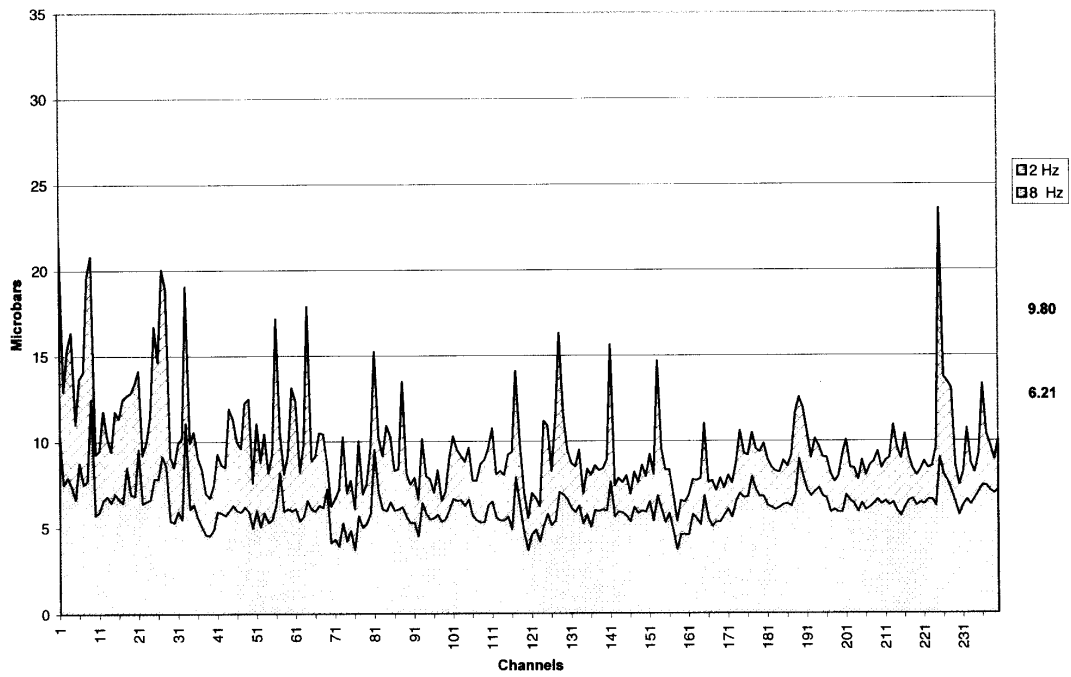
Additional Comments:

Multiples in analysis window increase noise level.

Line PC01-0014a013 Residual Shot Noise
(time gate 2000-2500 ms)

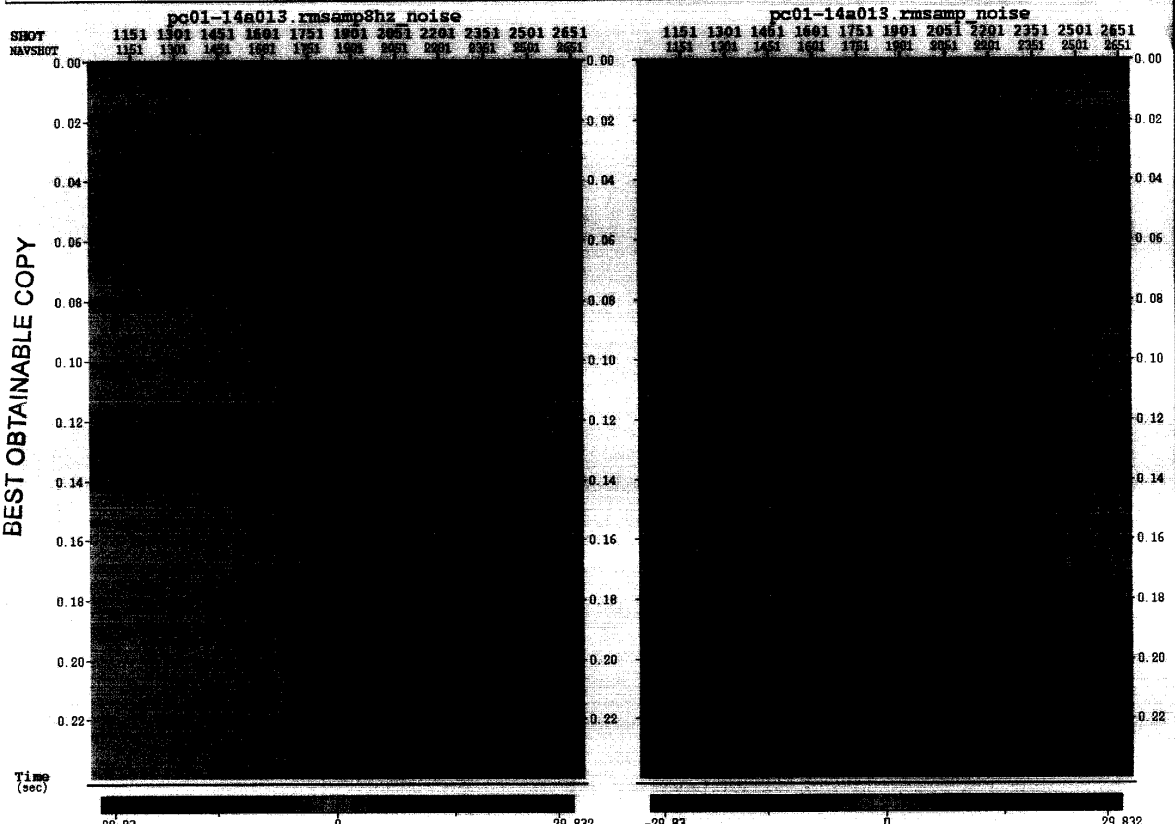


Line PC01-0014a013 Residual Channel Noise
(time gate 2000-2500 ms)



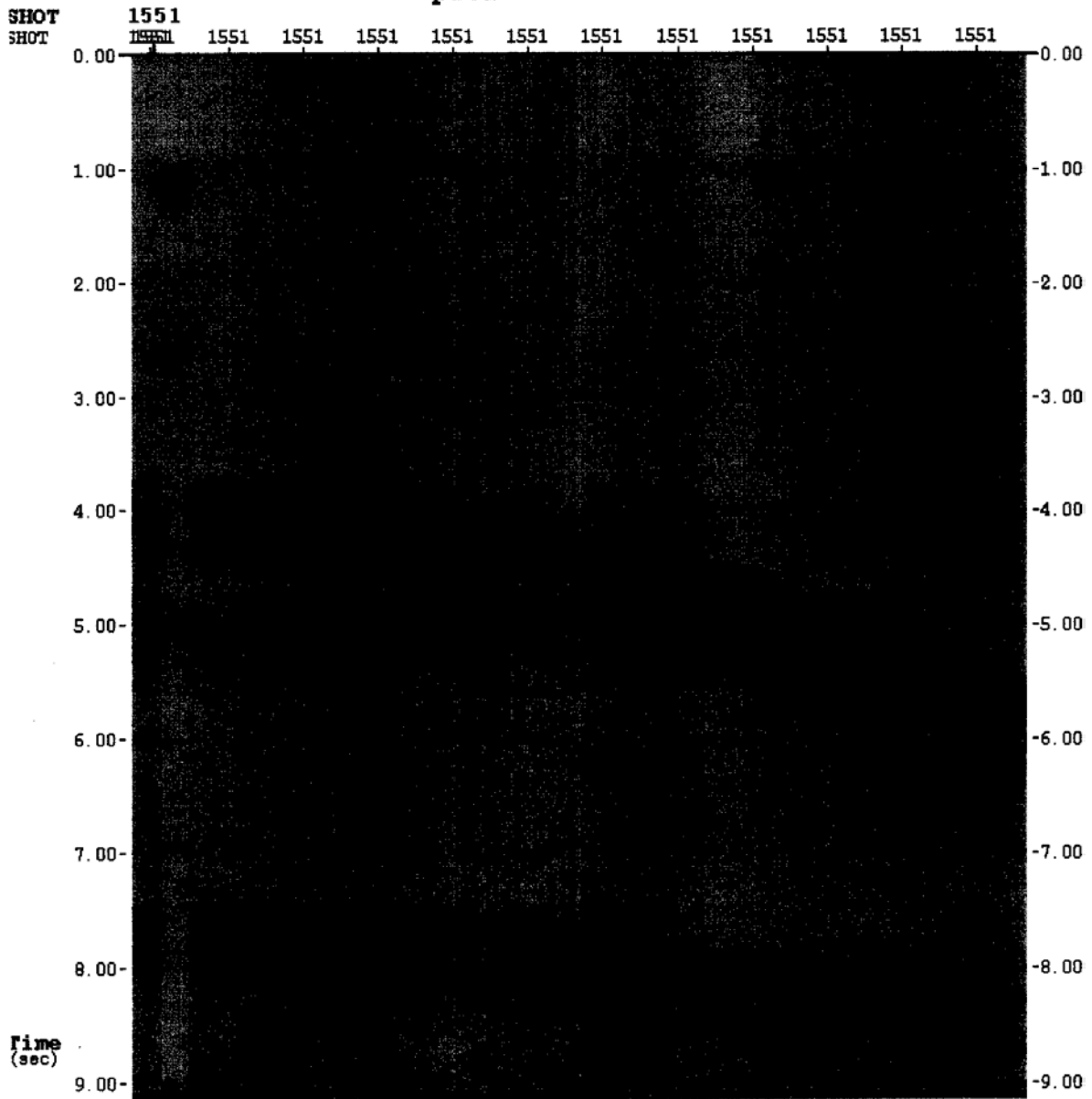
Chan RMS PC01-14a013.xls

R/V 'Geo Arctic'



Exit Data Parameters Display Functions Analysis Pick Movie Set
He

pc01-14a013.d1



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