01007 HSBT 105092

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COASTAL AND MARINE GEOLOGY PROGRAM
WOODS HOLE FIELD CENTER (WHFC)

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01007sei.pdf

SEISMIC/GEOPHYSICS LOG

SHIP AND CRUISE: Houseboat 200 HSBT01007

AREA: Lake Mead

DATES: 1 April – 26 April 2001

CHIEF SCIENTIST: D. Twichell & Mark Rudin (UNLV)

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
1	01/04/01 91	2108			Plugger	/see fire rate	LIFI			/see fire rate
						Gain 18 db				
						Recording: QUIPS, 16 bit, 2048 samples,				
		2146				Abrupt c/c to avoid Cormorant Rock				
		2245								EOL 1
2	01/04/04 94	1612			Plgr					gear in water - turning
		1624								
		1840								SOL 2 - 1 see fire rate
		2028								EOL 2
3		2029								SOL 3
		2130								EOL 3
4		2134								SOL 4
		2236								EOL 4
5		2236								SOL 5
6	01/04/05 95	1516								SOL 6

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
6	2001-Apr-16 96	1751				Power -12db				SOL L6F2
		1920				Gain 12db				EOL 6
		1921							L7F1	SOL 7
		1957								EOL 7
		1958			397m range	0.530 fire rate chirp length 12ms			L8F1	SOL 8
		2005-2009				P-798 - P-1064			1	C/C
		2014-2018				P-1877 - P-2270			L8F1	C/C
		2027-2029				P-3033 - P-3525			L8F1	C/C
		2037							L8F1	EOL
										STBD SS up TO 5db.
9		2043							L9F1	SOL STBD SS RCVE @ 12db
		2050-2054				P-794 - 1324				C/C
		2104-2110				P-2407 - 3094				C/C
		2117-2121				P-3910 - 4350				C/C
		2129							L9F1	EOL
10		2136							L10F1	SOL
		2145				P-1190 -				CC
		~~2155~~				P-2330 - 2387				CC

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
10	2001 APR 16 096	2201 2202				P-2959 - 3070				CC
	~~2207~~	2207 2208				P-3677 - 3835				~~CC~~ CAIN MAGNET
		2208				P 3770				SUBBTM POWER ↓ TO -21dB
						P 3920				CAIN ↓ TO 6dB
		2211								EOL 10
11		2212								SOL 11
		2214 - 2215				P233 - 320				C/C
		2224 - 2221				P-1370 - P1368				~~CC~~
		2232				~~P-2206~~				SBTM RESET TO
11		2256								EOL 11
					8 APRIL 2001					
12	01/04/08 098 (11)	1411				U2F1.DAT				SOL 12 / SOF
										USIS SETTINGS
										GAINS PORT 9
										STBD 15
										SUB 12
										~~PORT~~ subbottom XMIT = -12dB

CAIN = 12dB

12dB CAIN
12dm PUP

400m SWP.

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
12	01/04/08 098	10				L12F1.DAT				
	1435	1631				P-1640 - 2315				C/C
	1445 1450	→				P-3962 - 4416				C/C
12	1504	→								EOL 12
13	1510	→				L13 F1.DAT				SOL 13
	15	1527 1534				P-2020 - P3733				C/C
		1550 1555				P-4613 - P5150				C/C
13		1612								EOL 13
14		1620				L14 F1. DAT				SOL 14.
		1650 1644 - 1650Z				P2638-P3343				C/C
		1717-1728				P6464-P7698				
14		1751								EOL 14
15		1756				L15F1.DAT				SOL 15
		1818-1827				P2489-P3403				
		1845-1850				P5554-P6111				
		1907 - 1914				P7455 - 8761				C/C
		1917								BATHY diff/GV

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
15	21/04/08 JP 098	1934				~~L15F1.DAT~~				
		1934 1942				P 11023 - 11940				C/C
		1952 1959				P13025 - P 13841				C/C
		2010-2015				P 15066 - P 15692				C/C
15		2031				L15F1.DAT				ISOL15 / SOF
16		2039				L16F2.DAT				SOL16 / SOF
		2100/2106				P2362 - ~~310~~ 3010				C/C
		2128/2134				P5563 - 6189				C/C.
		2157/2203				P8855 - P9520				C/C
		2223/2229				P 11806 - P 12379				C/C
		2245/2252				P 14228 - P 15031				C/C
		2307				L16F2.DAT				ISOL16 / SOF
There is an L16F2 and L17F2. File limit size was @ 200 MB & if automatically created ~~L17F1.DAT~~ those files.										~~(no L16F1.DAT)~~ (possible)
17		2312				L17F1.DAT				SOL17 / SOF
	99	0113				L17F1.DAT				E02 17

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
	01/04/09									
18	99									GAIN PEEP 9 dB SUB OUTPUT
										STB 15 dB - 18dB
										SUB 12 dB
										RANGES = 400m
	1	1407				L118Fl.DAT				SOL 18
		1422/1425				P1685-2046				CC
		1440/1444				P3670-4200				CC
18		1457				L18Fl.DAT				SOL 18 / KOF
19		1500				L119Fl.DAT				SOL 19 / SOF
		1550				L19Fl.DAT				KOL 19 / KOF
20		1555				L20Fl.DAT				SOL 20 / SOF
		1609/1614				P1640-P2192				C/C
		1632/1636				P4362-P4712				C/C
		1655/1700				P6972-P7597				
20		1720								EOL 20
21		1725				L-21Fl.DAT				SOL 21
		1744				P2312-2714				C/C
		1748								

pinop marking course changes in NAV log

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(S)

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
21	04/09 99					L21F1.DAT				
		1808 1813				P5080-5640				C/C
		1833 1837				P8060-8529				C/C
21		1859				L21F1.DAT				ISO L21 / ISOF
22		1903				L22F1.DAT				SOL 22 / SOF
		1916				36 11.527 114,24.843				Lost 11y DARK
										Brasnd Lines (Loop)
		1934				L22F2.DAT				Restart Lines 22
		1954/1958				P2293-P2767				C/C
		2029/2034				P6186-P6789				C/C
		2105				L22F2.DAT				ISOL 22 / ISOF
23		2109				L23F1.DAT				SOL 23 / SOF
		2116								Slowdown Caked Ish
		2118								Survey Spiked
		2144 2149				P3852-4432				C/C
		2201				L23F1.DAT				ISOL 23
24		2203				L24F1.DAT				SOL 24

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
24	01/04/09 99	2342				L24Fl.DN				Sol 24
25	01/04/10 100					L25Fl.DN				Sol 25
		1738				L25Fl.DN				Sol 26
										1515 SRT 5 AMPS
										AS JD 99
		1747 1752				P938 - 1476				C/C
		1757 1800				P2079 - 2423				C/C Pause up to -9dB TKST
		1810 1815				P-3551 - 4084				C/C
		1833 1838				P-6119 - 6750				C/C
25		1904				L25Fl.DN				Kol 25
26		1908				L26Fl.DN				Sol 26
		1938/1943				P3321 - P3881				
		2001				Appears to be a Trigger problem in subbottom on occasion				
		2010/2013				P7000 - P7342				
26		~~1908~~								
		2052				L26Fl.DN				Kol 26/ KOF
		2057				L27Fl.DN				Sol 27

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
27	01/04/10 100	→				L27F1.DAT				
	2133/2136	→				P4096-				C/C
27		2215				L27F1.DAT				SOL 27 / SOF
28		2220				L28F1.DAT				SOL 28 / SOF
		2300/2303				P4527 - P4916				C/C
28		2342				~~[illegible]~~ L28F1.DAT				SOL 28 / SOF
		~~[illegible]~~								
29	01/04/11 101	1511				L29F1.DAT				SOL / SOF
										DEPTH DURATION = 59.63 m
		1530/1543				P2140 - 2513				C/C
		1554								EOL 29
		1602				L30F1.DAT				FALSE START
		1608								SUBATM 19 dm / [illegible] 2d13
30		1609				L30F2.DAT				SOL 30 / SOF
		1616								STBD SONAR LOOKS OK
										POSSIBLE BAD MOLEX
										Connector

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
30						L30F2.DAT				SOL 30
						L30F1.DAT				PULSE START
31		1629			Line 31 booboo doesn't exist	L31F2.DAT * Kgh called filgay disk L32F2 instead of L31F2				CHANGE PORT/STBD SS TO 12 dB
32		1632				L32F1.DAT				SOL 31 / SOL 32
32		1699				P2019 - 2444				C/C
		1718				L32F1.DAT				SOL 32 CHANGE
33		1724				L33F1.DAT				SOL 33
		1757/1800				P3736 - P4085				C/C Hypack+ISIS time goal
		1829/1834				P7435 - P7941				C/C Time goal
		1916				L33F1.DAT				SOL / SOF
34		1918				L34F1.DAT				SOL 34 / SOF
		1943				LOST GENERATOR				
		2002				L34F2.DAT				RESTART LINE 34
		2015/2020				P1483 - 2000				C/C
		2102/2106				P6754 - 7183				C/C
		2151				L34F2.DAT				SOL SOF
		2155				L35F1.DAT				SOL 35 / SOF
		2245				L35F1.DAT				SOL / SOF

DURATION: 59.63

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
36	01/04/13									GAIN PORT 6 SUB OUT -9dB STBD 9 SUBDTM 12
	103	1622				L36F1.DAT				
		1710				P 5479				S/C
		1724				L36F1.DAT				EOL 36
37		1726				L37F1.DAT				SOL 37
1		1815				L37F1.DAT				EOL 37
38		1819				L38F1.DAT				SOL 38
1		1901				1				EOL 38
39		1904				L39F1.DAT				SOL 39
1		1935				1				EOL 39
40		1940				L40F1.DAT				SOL 40
1		2005				1				EOL 40
41		2010				L41F1.DAT				SOL 41
1		2031				1				EOL 41
42		2037				L42F1.DAT				SOL 42
1		2055				1				EOL 42
43		2100				~~L43F2.DAT~~ L43F1				SOL 43
1		~~2115~~ 2118				P-1678-2035				1

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
43	6/04/13	2131/2135			L43F1.DAT	P3570 - 3945				C/C
		2147			L43F1.DAT →					KOL/KOF
44		2152				L44F1.DAT				SOL44/SOF
		2202/2206				P1041 - P1537				C/C Hypack + ISIS time the same.
		2219/2223				P2964 - P3442				C/C
		2232/2237				P4461 - P5010				
		2248			~~2~~	L44F1.DAT				EOF 44
45		2253			~~L45F1.DAT~~	L45F1.DAT				SOL 45
					2300/2304	P894 - P1293				C/C
		2307				P1677				C/C to avoid house boat
					2313/2316	P2298 - P2670				C/C H + ISIS times good
					2324/2328	P3571 - P4045				C/C
					2336/2339	P4902 - 5260				C/C
					2346/2350	P6037 - 6501				CC
	JD 103				0002/0004	P7760 - 8093				C/C
		0013			~~0013~~	~~L44F1.DAT~~ L45F1.DAT				KOL 45
46	JD104	0535				L46F1.DAT				SOL 46/SOF
						↳ thalweg line				

JD104 settings
GAIN
PORT 6
STBD 9
SUBB PINK - 9 gain 12

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
46	104 0/04/14	1644				L46F1.DAT				EOL 46
47		1658				L47F1.DAT				SOL 47
		1708/1713				P1285/1680				C/C
		1727/1731				P3250/3777				C/C
		1743/1747				P5078/5540				C/C
		1758/1808				P6794/7218				C/C
		1814				L47F1.DAT				EOL 47/KOF
48		1819				L48F1.DAT				SOL 48/SOF (ISIS/NAV TIMES OK
		1838/1842				P2137 - P2592				CC
		1905/1909				P5194 - P5602				C/C
		1930/1934				P8017 - P8430				C/C
		1953				L48F1.DAT				EOL 48 KOF
49		1958				L49F1.DAT				SOL 49/SOF (ISIS/NAV TIMES
		2015/2020				P1977 - 2569				C/C
		2038/2042				P4560 - 5000				C/C
		2050				P6358 - 6819				
49		2115				L49F1.DAT				EOL 49
50										

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
50	01/04/14	2120				L50F1.DAT				SOL 50
		2135/2139				P1610-2054				c/c
		2153/2158				P3770-4280				c/c
		2206/2210				P6000-5544				c/c
		2216				L50F1.DAT				EOL 50
51		2221				L51F1.DAT				SOL 51
		2230/2233				P1040-P1328				c/c
		2241/2244				P2204-P2545				c/c
		2251/2255				P3345-P3830				c/c
		2302/2305				P4582-P4981				c/c
		2309				~~[illegible]~~ L51F1.DAT				EOL 51 / KOF
52		2313				L52F1.DAT				SOL 52
		2350								EOL 52
53	01/05/15 105	1350				L53F1.DAT				SOL 53
		1500								ISIS/NAV CLOCKS OK
		1521								EOL 53
54		1521				L54F1.DAT				SOL 54

SS GAINS
PORT - 6dB
STBD - 9dB
SUB - 12dB
SUB POWER - 9dB
400m RANGE
NAV/ISIS CLOCKS OK

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
54	01/095 105					L54F1				
	1	1539 +1553				P730-1150				C/C
		1541/1544				P2035-2445				ESIS/NAV TIME OK
		1552/1556				P3670-P3775				C/C
		1609/1614				P5228-P5785				C/C
		1628/1632				P7359-P7821				C/C
54		1650				L54F1.ONT				EOL5/EOF
55		1653				L55F1.ONT				SOL55/SOF (NAV/ESIS TIMES OK)
		1710/1714				P1906-1714				C/C
		1733/1738				P4510-5025				C/C
		1754/1803				7400-7880				CC
55		1823				L55F1.ONT				EOL 55/EOF
56		1828				L56F1.ONT				SOL 56 (NAV/ESIS TIMES OK)
		1846/1852				P2259-P2725				C/C
		1913/1917				P5079-P5561				C/C
		1934				L56F1.ONT				EOL 56
57		1937				L57F1.ONT				SOL 57 NAV/ESIS TIMES OK
57		2028				1				EOL 57

01

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
58	01/05/15	2027				L58F1.DAT				SOL58
1		2153				)				1st SOL58
					ELICS →					
									sub power -9db, gain 12db	
	106 01/16	2106				L59F1.DAT				SIS-1000 SOL59
		2113:40			Boomer turned on for a second					
		22:40								EOL 59
						looping to start next line				
		2243								SOL 60
		2357				Ken started boomer				
		2357								changed power on ISIS to -15db
		2358								changed sub power on ISIS to -18db
		0001								changed sub ISIS power to -21
		0102								turned sub gain off
		0003								EOL 60
		0005				sub power -21db gain 3db		ISIS ←		SOL 61
		0006						BOOMER ←		TEST2

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
	107	0014				13				KLICS FILTERS OFF
										1/2 SEC ~~RECORD~~ FIRE
										497ms RECORD
										GEOPULSE FILTERS 300-3K
		0015								CHANGE FILTER TO 200 KHZ
		~~[illegible]~~								GEOPULSE GAINS 29dB
		0027								~~[illegible]~~ GEOP GAIN UP TO 35dB
		0102								GEOP GAIN UP TO 38dB
61		0116				ISIS L61FI.DAT				KOL 61. / ISIS
		0117				KLICS TEST2				KOL TEST2
	01/04/17			TUESDAY		— 17 APRIL	2001			
62	107	1526				L62FI.DAT				SOL 62
		1532 1536				P680-1181				C/C
						P1918-2345				CC
		1554 1558				P3142-3650				
		1600 1610				4581-5036				
		1620				L62FI.DAT				EOL 62 EOF
63		1624				L63FI.DAT				SOL 63

ISIS GAINS
PORT 6
STBD 9
SUB 12
SUB POWER - 9dB
400m DANCE
NAV/ISIS TIMES OK

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
63	01/04/17 107	1633				L63F1.DAT				
		1633/1643				P1633-2239				C/C
		1649				L63F1.DAT				EOL 63
64		1655				L64F1.DAT				SOL 64
		1723								EOL 64
65		1725				L65F1.DAT				SOL 65
		1750								EOL 65
66		1754				L66F1.DAT				SOL 66
		1800/1803				P570-945				C/C
		/1809				1504-1628				CC
		1815/1817				P2357-P2585				C/C ISIS+HP times good
		1835/1839				P4562-P5039				C/C
		1859/1903				P7256-P7778				C/C
		1923/1925				P10049-P10608				
		1949				12962 L66F1.DAT				EOL 66
						ISIS has date as April 16 - probably recording wrong JD to file				
67		2005				L67F1			B	SOL/SOF
		2015							B	GAIN CHANGE THRU BREAK

JD 107

BOOMER/ALICS SETTINGS

BOOMER

1/2 SEC FIRE

1/2 SEC RECORD (497)

280 JOULES

GAIN = 32 dB

FILTERS = 300 HZ - 3 KHZ

To 32 dB

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
67	01/04/17 107	2016				L67F1.DAT				GAIN TO 35dB
										ADJUST TVG
										SOMES AMPLITUDES SCALES
	2110					L67F1.DAT				KOL / KOF
68	2113					L68F1.DAT				SOL / SOF
	2121									CHANGE CALIBRATION KOL
										2500 TO 11000
	2129					L68F1.				start logging boomer
	2016									READJUST & RELOCATE
										STREAMER ADJUST
										SYSTEM — CHEPULSE GAINS
										TO 38dB KLICS AMP TO
	2221									GAIN TO 35dB
	2321					L68F1.				KOL 68 KLICS
	01/04/18 108	1933				ZZO-1933.RAW				start logging
01/04/18	108					TVG1.DAT		sub power -9db	gain 12db	SOL TVG1
		1959				ALL SETTINGS NORMAL				

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
	01/04/~~18~~ 108	2008								EOL TVG1
69		2010					L69F1			SOL 69
		2034								EOL 69
70		2043					L70F1			SOL 70
		2100								PITCH/ROLL/HEADING NOT WORKING
		2109								EOL 70
71		2111								SOL 71
1		2144								EOL 71
72	01/04/19 109	1559				L72F1.DAT				SOL 72 SOF ISIS/NAV CLOSED OK
1	1	1607				1				SOL 72 MISSING PINGS
1	1	1616				L72F1.DAT				ISOL 72 REBOOT ISIS
73		1621				L73F1.DAT				SOL 73
1		1623								BREAK LINES
1		1628				L73F2				RESTART LINK 73
1		~~1644~~				1				P
		1678								ISOL 73

DD 109 ISIS GAIN PORT 3 SUB DOWNER -9dB
STBD 3
SUBBTM 12
750 m RANGE

RAC GMIPS 16BIT/2048

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
74	01/04/19 109	1201				L74F1.DAT				SOL 74 ISIS/NAV CLOCKS OK
|		1741				P2393				c/c, [illegible] line 74
		1827				L74F1.DAT				SOL 74 / ISOF
75		1833				L75F1.DAT				SOL 75 / SOF
		1923				P2947				C/C
		2001				P5221				c/c - dogleg
		2010				L75F1.DAT				ISOL 76
76	112	1413				L76F.DAT				SOL 76
|	|	1418				|				BANK LINES RESTART SS GAINS
|	|	1487				L76F2				SOL/RESTART DIGITIZER ERROR
|	|	1488				L76F3				SOL 76
		1529			1529	|				ISOL 76
77		1534				L77F1.DAT				SOL 77
		1549				|				PORT/STBD CHANNELS
		|								RESTARTED ON LINES
										76 & 77
		1632								ISOL 77 PULL ISIS
										RESTARTED CHANNEL

JD 112
SB [illegible]

STOKSEAU GAINS
PORT - 6
STBD - 6
SUB - 12

SUB POWER - 9
RANGES = 750
163T / 204B

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
78	01/04/22 112	1708				L78F1.DAT				SOL 78 PORT IS PORT
										& BUCKS SWITCHED
		1804								EOL 78
79		1812				L79F1.DAT				SOL 79
		1908								EOL 79
80		1915				L80F1.DAT				SOL 80
		1952				P2259				slight c/c
		2002				P2823				slight c/c in line 80
		2006				L80F1.DAT				EOL 80
81		2021				L81F1.DAT				SOL 81 KILL DIGITAL PROB
		2022				L81F2				SOL 81
		2107								EOL 81
82		2113				L82F1.DAT				SOL 82
		2130								EOL 82
83						~~L83F1.DAT~~				~~SOL 83~~
		2139				112-2139.DAT				SOL 83
		2241				112-2139.DAT				EOL 83
		2243							0530 sec fire rate	RANGE TO 400m RANGE

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
84	01/04/22 112	2254				L84F1.DAT				SOL 84
	113	0035				)				ISOL 84
	01/04/23				01/04/23					
85	113	1441				L85F1.DAT	1 sec	fire		SOL 85
)		1551				)				ISOL 85
86		1555				L86F1	1 sec	fire		SOL 86
)		1611				P1001				gentle c/c
		1654				)				ISOL 86
87		1710				L87F1	1 sec	fire		SOL 87
)		1731				L87F1				ISOL 87
88		1739				L88F1	1 sec	fire		~~SOL 88~~ ~~ISOF~~ SOL/SOF
)	1801 →	~~[illegible]~~				~~[illegible]~~)				~~[illegible]~~ ISOF ★
)		1851				L88F2	1 sec	fire		SOF/ISOF (OBTAINED ISOL)
)		1851				L88F3	1 sec	fire		RESTART LINK 88 (CONTINUOUS)
)		1855				)				ISOL/ISOF
89		1907				L89F1.DAT	1 sec	fire		SOL 89/SOF

JD113 SUBBTM GAIN = 12 dB
POWER = -9 dB
750 m RANGES

★ BREAK LINK ISOL
w/ SCHEMATIC

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
89	01/04/23 113	1953				L89F1.DAT				EOL 89 / BOF
90		2001				L90F1.DAT		1sec fire		SOL 90
1		2053				1				EOL 90
91		2103				L91F1.DAT		1sec fire		SOL 91
1		2201				1		1	1	EOL 91
92		2205				L92F1.DAT		1sec fire		SOL 92
1		2251				1				EOL 92
93		2256				L93F1.DAT		1sec fire		SOL 93
		2329				P 1972				start dog leg
		2333				P 2215				end dog leg
		2345				L93F1		1sec fire		EOL 93
94	01/04/24 114				~~[illegible]~~	L94F1.DAT	1sec fire	power gain	-9db 12db	SOL 94
1		1919				1				EOL 94
95		1925				L95F1	1sec fire			SOL 95
		1929								EOL 95F1
		1935				L95F2	1sec fire			SOL 95F2
		2045								EOL 95

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
96	01/04/24 114	2046				L96F1 [illegible]	1sec fire			SOL
		2104								EOL
97		2106				L97F1 [illegible]	see fire rate			SOL 97
		2122				Piz 938				c/c - dog leg
		2200								EOL 97
98		2205				L98F1	1sec fire			SOL 98
"		2248				"				ISOL 98
99		2257				L99F1.DAT	1sec fire			SOL 99
	115	0020				"				EOL 99
100	"	0026				L100F1.DAT	1sec fire			SOL 100
"		0041				"				ISOL 100
101		0047				L101F1.DAT	1sec fire			SOL 101
"		0112				"				ISOL 101
	01/04/25									
102	115	1552			1secfirrak	L102F1.DAT	power gain -9db 12db	1sec fire		SOL 102
"		1757			"	L102F2.DAT				SOL 102
"		1835				"				ISOL 102
103		1841				L103F1				SOL 103

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Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
L03	01/04/25 115	1920	ping		2306	L103F1 1 sec	fire			CC
1		2008				1				EOL 103
104		2019				L104F1.DAT				SOL 104
1		2048				1				EOL 104
105		2054				L105F1.DAT				SOL 105 RESTART
1		1				L105F2.DAT				SOL 105
1		2126				1				EOL 105
						BOOMER				
106		2159				L106F1.DAT				SOL 106
		2217				"				EOL/EOF
										REBOOT SYS - DOES NOT
										RECOGNIZE AU32 BOARD
										GAIN DOWN TO 26dB
		2232				L106F2.DAT				SOL
		2301				L106F3.DAT				EOL

27 JD 115 BOOMER SETUP

1/2 SEC FIRE 280 JOULES

CHOPPER FILTER 200 HZ - 3 KHZ GAINS - 32 dB

ELCS SAMPLING RATE FIRE = 500 ms 12000 SWP = 480 ms CALIBRATION - 1:2750 mV

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
107	01-04-25 115	2303				L107F1				SOL/RESTART
		2303				L107F2				SOL 107
		2335				/				C/C
		2357								Increase Gain To 32dB
	116	0008								SOL 107
108	01-04-25 116				1600	L108F1, DAT			B	SOL 108
					1651	/			/	End File Break Lines
					1659	L108F2. DAT				RESTART L 108
										Gain up To 38dB
					1822	L108F2, DAT				EOF
					1827	L108F3, DAT				SOF
					1941	/				EOF
					1944	L108F4, DAT				SOF
					2215	/				KOK/SOL 108

BOOMER
1/2 SER FIRE
280 JOULES

CAPULSE FILTERS 200HZ - 312HZ
SAMPLE @ 120000
CALIBRATION @ 2000 mV

KLICS FILTERS 360-3600HZ
AGC