



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

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105002
MEAD 99014



ISIS LOG

SHIP AND CRUISE: MEAD 99014

AREA: LAKE MEAD, NY

DATES: MAY 14 - 25, 1999

CHIEF SCIENTIST: MARK RUDIN & DAVE TWICHELL

SPEED OF SOUND IN ODEM 1463 m/sec

NO DRAFT IN ODEM

Cruise:		Chief Scientist:		Area: LAKE MEAD		Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
test 1	1	134	19:16	lmtst1.dat	recording to tape while Ken works on benthos range to fish	
			19:46	1500 m swath	stop test line to antenna	
			1952		NAV on again	
			2016		EOL	
test 2			20:17:30	lmtst2.dat	SOL	
			2026	1500m swath	turning to run up canyon - keeping same file	
			2047		EOL LMTST2	
test 3			2048	LMTST3	SOL LMTST3.DAT	
			2052	"	Going to do a series of DOGLEG dog legs back & forth	
			2100	"	across the canyon - DOGLEG working our way east.	
			2107	1500 m swath	dog leg	
			2114	"	dog leg	
			2119:31	"	dog leg	
			2124:35	"	dog leg	
			2129:30	"	dog leg	
			2134	"	let fish out	
			2136	"	dog leg	
			2140:40	"	dog leg	
			2148	"	EOL LMT	
test 4			2149	LMTST4	SOL LMTST4.DAT	
			2205:11	1500 m swath	EOL LMTST4 EODAY	
<hr/>						
1	2	135	1732	LIF1.DAT	SOL LIF1 1500 m swath	
			1740	1500m swath	attempt to turn on range to fish	
			1756	"	lower fish	
			1813	LIF1.DAT	SOL LIF1.DAT	

Cruise:		Chief Scientist:		Area:		Page:
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1	2	135	1815	L1F2.DAT	SOF L1F2.DAT	
			1828	L1F2.DAT	EOL 1 SOF 1	
2			1839	L2F1.DAT	SOL 2 SOF L2F1.DAT	
			1849		Dog leg in line 2	
			1929	L2F1.DAT	EOL 2 SOF	
			1931	L3F1.DAT	SOF L3F1.DAT	
3			1937	L3F1.DAT	SOL 3	
			2011	L3F1.DAT	EOL 3 / SOF	
			2013	L4F1.DAT	SOF L4F1.DAT	
4			2015	"	SOL 4	
			2045	"	EOL 4 SOF L4F1.DAT	
5			2054	L5F1.DAT	SOL 5 SOF L5F1.DAT	
6			2128	L6F1.DAT	EOL 5 SOL 6 SOF L6F1.DAT	
			2150	L6F1.DAT	EOL 6 SOF L6F1.DAT	
					CHANGES MADE QTR 1/2 SR	
7			2200	L7F1.DAT	SOF L7F1.DAT SOL 7 (.5 sec FRK)	
				750m swath	1/2 sec fire rate 750m swath	
			2224		CHANGE SUBSYSTEM OUTPUT	
					AWAY TO OUTPUT PWR	
					SKT AT 18 DB	
			2235		EOL 7 haul gear at day end	
					END EXASUTK TAP 2	
					K-VO NAV FRK 0122	

Cruise:			Chief Scientist:	Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
15	3	136	1920	L8FI.DAT	1 sec sweep - following river valley east
			1921		acoustic NAV on
			1942		VERIFY DEPTH CAL ON SIS-1000
					CAC SUB CANN FROM -20 TO -240
			2001	L8FI.DAT	Ed 8 PROF CANN GP SIS-1000
					T 0.5 SEC 1200 QMS
15	9		2009	L9FI.DAT	SOL 9 / SOF L9FI.DAT
			2024	L9FI.DAT	EOL 9
10			2027	L10FI.DAT	SOL 10 / SOF L10FI.DAT
			2042	L10FI.DAT	EOL 10 / SOF L10FI.DAT
11			2047	L11FI.DAT	SOL 11 / SOF L11FI.DAT
			2059	L11FI.DAT	EOL 11 / SOF L11FI.DAT
12			2104	L12FI.DAT	SOL 12 / SOF L12FI.DAT
			2118	L12FI.DAT	EOL 12 / SOF L12FI.DAT
13			2125	L13FI.DAT	SOL 13 / SOF L13FI.DAT
			2144	L13FI.DAT	EOL 13 / SOF L13FI.DAT
14			2150	L14FI.DAT	SOL 14 / SOF L14FI.DAT
			2218	L14FI.DAT	EOL 14 / SOF L14FI.DAT
15			2224	L15FI.DAT	SOL 15 / SOF L15FI.DAT
			2250	L15FI.DAT	EOL 15
16			2325	L16FI.DAT	SOL 16 / SOF L16FI.DAT
			2325	L16FI.DAT	EOL 16 / SOF L16FI.DAT
17			2330	L17FI.DAT	SOL 17 / SOF L17FI.DAT
		137	0007	L17FI.DAT	EOL 17 / SOF L17FI.DAT

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
18	3	137	0011	L18FI.DAT	SOL 18 SOF L18FI.DAT	
	1		0052	L18FI.DAT	150L18 SOF L18FI.DAT	
					END QMP TAPES 3	
19	4	137	1540	L19FI.DAT	SOL 19	
			1607	L19FI.DAT		
20			1611	L20FI.DAT	SOL 20	
				L20FI.DAT		
			1616		INCREASES SWATH OUTPUT	
					PAUSE FROM 1805 TO 1615	
			1644		EOL 20 SOF L20FI.DAT	
			1652		RISH UP TO 5m	
21			1657	L21FI.DAT	SOL 21 SOF	
			1723		RISH DOWN TO 10m	
22			1727	L22FI.DAT	SOL 22 SOF L22FI.DAT	
			1759		150L 22 SOF	
23			1805 (AP)	L23FI.DAT	SOL 23 SOF	
			1850	L23	150L 23 SOF	
			1854		1515 SDS DATA OFF (SDO ON)	
24			1905	L24FI.DAT	SOL 24	
			2000		150L 24	

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DATA IS ON ONLY OFF

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Line #	Tape #	Jul Day & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
25	4	990517 137	2007	L25FI.DAT	SOL 25 SOF (BND STRI/RETR)
			2120	L25FI.DAT	130L 25 / 150F
26			2120	L26FI.DAT	SOL 26 / SOF (BND STRI/RETR)
			2128		120L 26 / 150F
27			2128	L27FI.DAT	SOL 27 / SOF
			2237		150L 27
28	5	990518 138	1819	L28FI.DAT	SOL 28 . SOF
			1824		Raised fish from 10 to 3 m
			1847		Dayly in line 28
			1919		DECLRG IN LMB 28
			1951	L28FI.DAT	120L 28 / 150F
29				L29FI.DAT	SOL 29
			2021	L29FI.DAT	10L 29 / 150F
			2029		lowered fish to 10 m.
30			2030	L30FI.DAT	SOL 30 / SOF
			2104	L30FI.DAT	150L 30
31			2114	L31FI.DAT	SOL 31 / SOF
			2156	L31FI.DAT	130L 31 / 150F

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
32	5	990518 138	2208	L32F1.DAT	SOL 30 / SOP
			2246	L32F1.DAT	SOL 30 / ROP
	5		2247		TRAB 5 OFF
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Lake level			1207.8 ft	WORKING OUT OF LAKE MEAD MARINA	
	6	990519 139			TAP 6 ON
33			1605	L33F1.DAT	SOL 33 / SOP
					BOFF .5 SEC RISE @ BOF
				L33F1.DAT	SOL 33
			1609		NO PITCH & ROLL
	6		1610		turning on range to fish
			1708		SOL 33
					SMT DOWN SIS1000
34			1710	L34F1.DAT	SOL 34 / SOP
			1810	L34F1.DAT	SOL 34 / ROP
35			1829	L35F1.DAT	SOL 35 / SOP
					PIVA UP TO 4 MINUTES
			1857		VERY SHALLOW (~3m) raise fish
			1859		lower fish to 1st tape mark
35			1915	L35F1.DAT	SOL 35 / SOP
36	6		1917	L36F1.DAT	SOL 36 / SOP

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
36	6	990514 139	1933		dogleg in line 36
		1800	2011	L36FI.DAT	ROL 36 / KOP
37			2019	L37FI.DAT	SOL 37 / SOP
38			2050		EOL 37
38			2052		SOL 38
			2122		EOL 38 - end survey for the day
39	7	990520 140	1615	L39FI.DAT	SOL 39 / SOP
			1645	L39FI.DAT	ROL 39 / KOP
40			1649	L40FI.DAT	SOL 40 / SOP
			1707		ken futzing - ? Problem w/ fish haul
			1715	L40FI.DAT	ROL 40 / KOP
41			1718	L41FI.DAT	SOL 41 / SOP
			1722		lowered fish TO 64 m
			1749	L41FI.DAT	ROL 41 / KOP
42			1755	L42FI.DAT	SOL 42 / SOP
			1820	L42FI.DAT	ROL 42 / KOP

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Chief Scientist:

Area: LINE MANT

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
43	7	990580 146	1828	L43FI.DAT	SOL 43 / SOF
				L43FI.DAT	ISOL 43 / ISOF
44			1849	L44FI.DAT	SOL 44 / SOF
			1907	L44FI.DAT	ISOL 44 / ISOF
45			1912	L45FI.DAT	SOL 45 / SOF
			1936	L45FI.DAT	ISOL 45 / ISOF
46		140	1928	L46FI.DAT	SOL 46 / SOF
			1932		CHANGE OUTPUT POWER FROM 15dB TO 21dB
					Gain control to 21 dB
			1936		GAIN = 18dB POWR(OUT) = 15dB
			1941	L46FI.DAT	ISOL 46 / ISOF
47			1942	L47FI.DAT	SOL 47 / SOF
			1954	L47FI.DAT	ISOL 47 / ISOF
48			1959	L48FI.DAT	SOL 48 / SOF
				L48FI.DAT	ISOL 48 / ISOF
49			2013	L49FI.DAT	SOL 49
			2019		DOC L49 C/C
			2027		C/C DOC L49
			2033		C/C

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
49	7	MUO 090520	2041	L49F1.DAT	C/C	
			2047	L49F1.DAT	BOL 49 / BOP	
50			2048	L50F1.DAT	BOL 50 / BOP	
			2146	L50F1.DAT	BOL 50 / BOP	
51					CHANGE TO 1 SEC SWP	
					LOWER FKA TO 10m	
			2155 (approx)	L51F1.DAT	SOL 51 BOP	
			2232		INCREASE OUTPUT POWER (2 dB)	
			2243	L51F1.DAT	BOL 51 / BOP	
					END PHILIPS TAPS	
52	8	090501 141	1712	L52F1.DAT	SOL 52 / BOP	
				L52F1.DAT	BOL 52 / BOP	
52A			1821	L52AF1.DAT	SOL 52A BOP	
52A					FISH @ 9.8m DEPTH	
					PITCH/ROLL warnings	
					POWER CONTROL -12dB (gain=18dB)	
			1833	L52AF1	BOL 52A / BOP	
53			1938	L53F1.DAT	BOL 53 / BOP	
			1859	L53F1.DAT	BOL 53 / BOP	

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
54	8	990521 141	1902	LS4PI.DAT	SOL 54 / SOP
			1936	LS4PI.DAT	ISOL 54 / ISOP
55			1941	LS5PI.DAT	SOL 55 / SOP
			2033	LS5PI.DAT	ISOL 55 / ISOP
56			2038	LS6PI.DAT	SOL 56 / SOP
			2136	LS6PI.DAT	ISOL 56 / ISOP
57			2141	LS7PI.DAT	SOL 57 / SOP
			2234	LS7PI.DAT	ISOL 57 / ISOP
58			2239	LS8PI.DAT	SOL 58 / SOP
			2330	LS8PI.DAT	ISOL 58 / ISOP
					TAPS 8 OFF
59	9	990522 142	1545	LS9PI.DAT	SOL 59
					amps TAPE 9 ON
			1558		Day log
			1634		INCRNSB Power Room -12 to -9 dB
59			1646	LS9PI.DAT	ISOL 59
60			1747	LS6PI.DAT	SOL 60
			1818		INCRNSB output Power TO -6 dB
			1745		decrease output pulse to -6db subbottom

Targets 56' 06.237 32.6.260
 114' 43.156 114' 43.2250

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
60	9	142	1746		Subbottom power to -12 db.
			1811	LG01.DAT	SOL 60
61			1821	LG11.DAT	SOL 61
			1857	LG11.DAT	SOL 61
62			1906	LG21.DAT	SOL 62
			1956	LG21.DAT	SOL 62
63			2000	LG21.DAT	SOL 63
			2038		SOL 63
64			2048	LG41.DAT	SOL 64
			2107		SOL 64
1705			2114	LG51.DAT	SOL TSTS / SOL
				LG51.DAT	500ms PEP NABS
			2150		SOL TSTS / SOL
					END QIMMS TAP 9

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
65	10	¹⁴³ 990523	1736	LG6FI.DAT	SOL 65 SDF	1 see file
			1820	LG6FI.DAT	1 SOL 65	
66			1923	LG6FI.DAT	SOL 66 / SDF	
			1841	LG6FI.DAT	1 SOL 66 / RDP	
67			1942	LG7FI.DAT	SOL 67 / SDF	
			1916		C/C L157	
			2008	LG7FI.DAT	1 SOL 67 / RDP	
68				LG8FI.DAT	SOL 68 / SDF	
					036° 15.519 POSSIBLE	
					114° 23.640 POSSIBLE	
69	10		2021	LG9FI.DAT	SOL 69 / SDF	
			2025	LG9FI.DAT	1 SOL 69 / RDP	
69A			2026	LG9FI	SOL 69A / SDF	
					CHANGE TO SOURCE RDP	
					36° 14.447 } POSSIBLE	
					114° 24.716 } POSSIBLE	
					36° 13.541 } POSSIBLE	
					111° 24.935 } POSSIBLE	

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
69	10	900523 143		L69AF1.DAT	
				L69AF1.DAT	C/C LIST
					CHANGE TO 7 SEC PER DATA
			2128	L69AF1.DAT	SOL / SOF
70	10		2130	L70AF1.DAT	SOL 70 / SOF
			2134	L70AF1.DAT	SOL 70 SOF
					END TAPES 10
71	11	900524 144	1734	L71AF1.DAT	SOL 71 / SOF START TAPES 11
					PERD RATE 500 ms
					ARM @ 4 m/s/Hz
					@ 100 = 18 dB DOWN AT -10 dB
					NOISE 15 dB @ 15 dB
					FISH DIST @ 4 m
			fish nav ut 1750		(CALIBRATED TO 0.0)
72			1755	L71K1.DAT	EOL
			1755	L72F1.DAT	SOL
			1809	L78F1.DAT	SOL
73			1811	L73F1.DAT	SOL 73 / SOF
			(82)	L73F1.DAT	ROL 73

