104981

COASTAL AND MARINE SCIENCE AT THE
WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598

TWICHELL CORLISS SW WASHINGTON
CRLS 97007
AUGUST 25-SEPTEMBER 19, 1997
ISIS LOG

ISIS LOG

1 of 2

SHIP AND CRUISE: CORLISS 97007

AREA: SW Washington

DATES: 25 Aug - 19 Sept, 1997

CHIEF SCIENTIST: Dave Twichell

200 m Swath → 100 kHz

Cruise:			Chief Scientist:		Area:	Page: 1
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
	1	239 8/27/97	2048	TST1.DAT	CRASH	
			2050	TST2.DAT	SOL	
			2057	TST3.DAT	CRASH OK START	
			2100		CRASH	
			2109	TST4.DAT	SOF	
			2139	"	EOF	
			2140	TST5.DAT		
			2156		EOF; END TAPE 1	
	2		2206	TST6.DAT	SOF	
			2207		EOF	
			2208	TST7.DAT	SOF	
			2222		EOF END DAY 1	

Cruise:			Chief Scientist:		Area:	Page: 2
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
	2	240 8/28/67	1443	TST1.DAT	SOF
			1453	"	EOF
			1454	TST2.DAT	SOF
			1511		
11	2	240	1544	LIF1.DAT	SOF
					Water depth 14-15m
					flying fish 6-8 m above SF
			1610		EOF, ~~Exabyte~~ crash
					8mm having probs.
			1611	LIF2.DAT	SOF
			1612	LIF2.DAT	EOF crash
			1613	LIF3.DAT	SOF
			1617		EOF — Crash
	START	TAPE 2	1618	Tried LIF4 —	crash - Reboot
L1	3		1622	LIF5.DAT	
			1623		Boat wake cross both channels
			1710		Pull IN SIDESCAN 2m
			1739		EOF
			1740	LIF6.DAT	SOF
			1744		Boat WAKE both channels
			1747		Pull IN Fish 2m
			1750		Change course to avoid pots
			1803		" " " "
			1844		EOF

Cruise:			Chief Scientist:		Area:	Page: 3
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
1	3	240	1845	LIF7.DAT	SOF
			1847		180° 180
8/28/97					
	4	241			
			1439	TST1.DAT	SOF
			1441		EOF
			1548	TST2.DAT	SOF - getting X-talk w/ Boomer
					Turning onto line 1
			1604		EOF
			1605	LIF8.DAT	SOF
					St. 11 trying to remove X-talk
			1633		screw noise from boat, stbd ch.
			1635		boat wake - stbd ch.
			→ adj. fish height to		remove NOISE
			1644		EOF changing course
			1644	LIF9.DAT	SOF
			1638		Lower fish
			1758		Bedrock
			1800		EOF
			1801	LIF10.DAT	SOF
			1817		letting out cable
			1818		bedrock outcrop on contour
					jointed rock

Cruise:			Chief Scientist:		Area:	Page: 4
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
1	4	241	1826		Bring in fish - shallowing	
			1910	keep almost snags fish on rock		
			1911		EOF	
			1912	L1F11.DAT	SOF	
			1919		bedrock shelving up thru sand sheet	
					15-20 ft relief - pull in fish	
			1931		EOF 18-20 m	
			1931	L2F1.DAT	SOF	
			1950		Drop fish down to @12 m	
			2020		drop fish to 10 m	
			2035		drop fish as water deepens ~	
			2048		EOF	
			2049	L3F1.DAT	SOF	
			2100		} water shallows - pull in fish	
			2110			
			2125		EOF	
			2125	L4F1.DAT	SOF	
					water depth constant ~ 9m	
			2219		EOF	
			2230	L5F1.DAT	SOF offshoreline → 90°	
			2302		Lower fish	
			2318		Pull in fish	
					constant adjustments to fish ht. w/ deepening water & rogue ledges	
			2349	EOF		

Cruise:			Chief Scientist:		Area:	Page: 5
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
		241	2352	L6F1.DAT	SOF
			0010		EOF End Survey
	5	242		JST1.DAT	-Crash
			1438	LTST2.DAT	SOF
			1439		EOF
			1439	LTST3.DAT	SOF
			1440		EOF
7	5		1540	L7F1.DAT	SOF
			1541		Crash EOF
7	5		1542	L7F2.DAT	SOF
					WINCH needs to be rewired
					fish flying high for now
			1548		Boat wake both channels
			1549	EOF	Shut down for electrical
					overhaul
7	5		1634	L7F3.DAT	SOF
			1656		Pull in fish - water shallows
			1719		EOF - Side scan up 3m below surface
8	5		1720	L8F1.DAT	SOF - line heading south
					Streaks in both channels are
					likely caused by prop wash
					→ fish very shallow
			1747		Lowered winch - fish out
			1807	EOF	of prop wash

Cruise:			Chief Scientist:		Area:	Page: 6
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
9	5	242	1807	L9F1.DAT	SOF – heading – west
			1815	EOF	Crash – Isis
			1815	L9F2.DAT	SOF
			1817		EOF – Crash
			1818	L9F3.DAT	– heading → west
			1828		Adj fish ht. as water deepens
			1837		" " " " "
			1851		" " " " "
			1852		Getting surface noise on record
			1901		outcrop – both channels
			1910	EOF	
10			1910	L10F1.DAT	South heading
			1920		Lower fish after turn
			1938		Sand ripple field w/ 2 diff
					overlapping fabrics
			1939		Getting surface noise off in
	5		1944		EOF, Isis crash, tape change (on fringes of record)
	6		1952	L10F3.DAT	SOF, *L10F2 may exist but
					trash it, too small
			1955		2 orientations of bedforms visible
			2004		EOF
			2005	L11F1.DAT	SOF → east heading
			2010		bedforms – 2 orientations
			2041		Pull in fish – shallows
			* 2030		getting interference on image grain

2049

Snagged fish or Pot.

Cruise:			Chief Scientist:		Area:	Page: 7
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.) Isis Probs.	
11	7	242	2059	L11F3.DAT	SOF — Start New Tape	
			2105	SNAG ONE more pot — close call but fish		
					hit bottom — SAND, looks	
					like fish is OK	
					— still getting strong interference	
			2120	EOF		
			2120	L12F1.DAT	SOF	
			2151	EOF	ISIS Crash	
			2151	L12F2.DAT	SOF	
					still getting interference on Record	
			2210	EOF	End Survey	
13	8	243	1446	TST1.DAT		
			1449	EOF		
			1450	TST2.DAT		
			1451	EOF		
			1516	L13F1.DAT	SOF — immediate crash	
					EOF	
			1516	L13F2.DAT	SOF	
			1520		Crash — EOF	
			1520	L13F3.DAT	SOF — Started boomer,	
					still getting interference on	
					Record	
					* having probs bottom tracking	

* ~~water column full o' silt → harbor entrance~~ & brkt wake → prop turbulence

→ Fish only 2-3 m below surface

Cruise:			Chief Scientist:		Area:	Page: 8
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
13	8	243	1524		Boomer off no interference	
			1528	EOF	Crash — isis	
			1529	L13F4.DAT	SOF	
			1530		Crash - Shit!	
			1531	L13F5.DAT	SOF	
			1534		Boomer ON - interference	
			1548	EOF	Fish hit pot → trapped line	
	9		1635	L13F7.DAT	SOF ~ there is no (F6) saftey	
					Also - hit 1st waypoint → course Δ	
			1646		→ thermocline?	
			1750		Waypoint → crs. change	
			1806	EOF		
			1806	L13F8.DAT	SOF - Pull in fish almost	
					hit bottom,	
				L13F7	* This file is quite long, got caught	
					up in this non-stop action adventure	
					* Shallow - fish in prop wash	
			1834		UP 20	
			1913	EOF		
			1913	L13F9.DAT	SOF	
			2017	EOF		
			2017	L13F10.DAT	SOF — Waypoint 21, change course	
			2021		Pullin fish - shoals	
			2149	EOF	Fish disabled by crab pot	
					— may have been disabled &	

wrapped for up to 3 min?

Cruise:			Chief Scientist:		Area:	Page: 9
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
13	9	243	2214	L13F11.DAT	SOF – fish fixed & back in water	
			2329	EOF		
			2329	L13F12.DAT	SOF	
			0036	~~L13F12.DAT~~	EOF	
	10	244	1642	TST1.DAT	9/1/97	
			1645	~~EOF~~		
			1711	L14F1.DAT	SOF	
			1740	EOF	Bis Crash	
			1740	L14F2.DAT		
			1745		Adj fish ht., coming onto ~~Ebb~~ delta	
			1820		Fish right below surface, ON S. jetty	
			1824		crossing old jetty @ Columbia	
			1827		fish back down 11-12 m above SF	
			1829		Prop noise & wash from passing boat	
			1834		More prop noise	
			1837			
			1845	EOF		
			1845	L14F3.DAT		
			1906		Lower fish	
			1908	EOF		
			1908	L14F4.DAT	SOF	
			2001	~~COPY OF L14F3.DAT~~	EOF	
			2001	L14F5.DAT	SOF	
			2015		EOF	

* L14F6 may exist but should be quite small

Cruise:			Chief Scientist:		Area:	Page: 10
Line #	Tape #	JulDay & Date	Time GMT	Filename	*	Remarks (seismic, nav, problems, etc.)
14	11	244	2020	L14F7.DAT		Change TAPE → 11
						getting a lot of Thermocline
						in stbd channel
			2129	EOF		
			2129	L14F8.DAT		
			2151			WAYPT 26 change course
			2244	EOL EOF		
15	11		2244	L15F1.DAT		SOF
			2306			Lower fish
			2348	EOF		
			2350	L15F2.DAT		SOF 8-Bit Format
15	11	244	2359	EOF		
		245	T	TST1.DAT		
16	12	245	1600	L16F1.DAT		SOF
			1602	EOF		Crash — 1515
			1603	L16F2.DAT		SOF
			1605	EOF		Crab Pot, Fish disabled
						Electronix cable cut
						Retermination Necessary!
18	12	245	2118	L18F1.DAT		SOF Fishy works
						EOF — Crash - Not sure when?
			2134	L18F2.DAT		SOF
			2217			one fish on
			2226			change speed from 2.5 to 4 KT

Cruise:			Chief Scientist:		Area:	Page: 11
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
18	12	245	2348	EOF	
			2318	L18F3.DAT	SOF
			2326		RAISE Fish
			2349		Raise fish
18	12		0000		EOF EOL
19	13	246	1613	L19F1.DAT	SOF
			1617		Lower fish at ~~Drop~~ of wash
			1622		offshore LINE, pay out more cable
			1633	~~L19F2.DAT~~	EOF — Crash - 1515
			1633	L19F2.DAT	SOF
				*	For some odd reason we
				are getting	NOISE on side scan, though
				we are doing	nothing different from yesterday
Last			1641	EOF	
8 bit	→		1650	L19F3.DAT	SOF - System Crash - Bad Flag
File			1651		Lower Fish
* Forgot			1702		pay out more cable
to change over			1803		Water → DEEP, Not much of AN INCREASE
from test file			1818	EOF	
on JD 2YY			1818	L19F4.DAT	SOF → NOW IN 16 bit format
			1827	EOF	
			1828	L20F1.DAT	
			1908	EOF	

Cruise:			Chief Scientist:		Area:	Page: 12
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
21	13	246	1908	L21F1.DAT	SOF	
			?	EOF	ISIS CRAS	
			1919	L21F2.DAT	SOF	
			1936	EOF	ISIS Crash	
			1939	L21F3.DAT	SOF	
			1939	EOF	ISIS Flaky	
			1940	L21F4.DAT	SOF	
			1948	EOF	ISIS Crash	
21	13	246	1949	L21F5.DAT	SOF	
			2025		Pull in Fish - wait e shallows	
			2036		" " " " "	
			2045		" " " " "	
			2052		" " " " "	
			2059		" " " " "	
			2105		Crossing textural boundary coming onshore into higher backscatter	
					- backscatter ↑ shoreward	
			2109			
			2112	EOF		
			212	L22F1.DAT	SOF	
			2128		tide line seen in port ch.	
			2158	EOF		
			2159	L23F1.DAT	SOF	
			2222		pay out line	
			2243		wire out	
			2334	EOF		

Cruise:		Chief Scientist:			Area:	Page: 13
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
23	13	246	2334	L23F2.DAT	SOF	
		247	0030		EOF End DAY	
	14	~~247~~		TST		
			4	SEPT 97		
		247	1511	1ST1.DAT	SOF	
			1514		EOF	
24	14	247	1541	L24F1.DAT	SOF SOL 24	
			~~1634~~			
			1747		EOF	
24	14	247	1748	L24F2.DAT	SOF	
			1804		EOF - 83m off bottom -	
					no point in logging until we	
					get back in shallower water	
			1831		EOL 24 - SOL 25 - NOT	
					logging because too deep	
		~~247~~ ~~2022~~	2022	L2651.DAT	Sidescan 55m off bottom -	
				≡	started logging on line 26	
			2141	L2651.DAT	EOF	
			2142	L26F2.DAT	SOF	
			2155		EOF	

Cruise:		Chief Scientist:			Area:	Page: 14
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
25	15	248	1505	TST1.DAT	SOF	
			1510		16BIT (OR)	
					CHANGED TO 16 BIT	
					SAVED ON EXIT	
1		248 ~~249~~	~~16 30~~		Not putting sidescan in yet because too deep - 90+ m	
28	15	248	2000	L28F1.DAT	SOF ON LINE 28	
			2053	light + dark striping in record is due to following sea.		
			2109	EOL L28F1.DAT - caught crab pot		
				9/6/97)		
29	16	249				
			1144	TST1.DAT	SOF	
					EOF	
16 Sept, 1997						
29	16	249	1642	L29F1.DAT	SOF	
			1644	L29F1.DAT	EOF - Isis crash	
			1645	L29F2.DAT	SOF - wreck area beginning of file	
			1710		wire out	
			1715		wire out	
			1724		wire out	
			1742		wire out	

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Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
	16		1757	L29F2.DAT	EOF
			1758	L29F3.DAT	SOF
			1800	L29F3.DAT	EOF ISIS crash
			1801	L29F4.DAT	SOF
			1828	L29F4.DAT	EOF
29					EOL
30			1939	L30F1.DAT	SOF/SOL 30
			1944	L30F1.DAT	EOF
			1946	L30F2.DAT	SOF
30	16	249	2051	L30F2.DAT	EOF
			2052	L30F3.DAT	SOF
			2221	L30F4.DAT	EOF - System crash often tried to change files
31	17	250	1532	L31F1.DAT	SOF
			1546		Pull fish up - Avoid pot
			1601		Down on fish
			1607		Pull up fish Avoid pot
			1609		Back down
			1616		Prop Wash → fish up
			1618		Fish Back down
			1619		Surface Noise?
			1620		Fish - pay out
			1628		Fish down
			1727	EOF	EOF
			1728	L31F2.DAT	SOF

1758 EOF EOL

Cruise:			Chief Scientist:		Area:	Page: 16
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
32	17	250	1758	L32F1.DAT	SOF	
			1841	L32F1.DAT	EOF - EOL 32	
33	17	250	1842	L33F1.DAT	SOF - SOL 33	
			1949	L33F1.DAT	EOF	
			1950	L33F2.DAT	SOF	
			2055	L33F2.DAT	EOF - hooked coat pod	
34	18	251	1149	TST.DAT	SOF 16 BIT 1024 OMMPS	
			1452	TST.DAT	EOF	
34	18	251	1615	L34F1.DAT	SOF	
			1724	L34F1.DAT	EOF	
	18	251	1724	L34F2.DAT	SOF	
		1	1840	L34F2.DAT	EOF / EOL 34	
35			1841	L35F1.DAT	SOF / SOL 35	
			1914	L35F1.DAT	EOF / EOL 35	
36			1916	L36F1.DAT	SOF SOL 36	
	19		1922	L36F1.DAT	RSIS crash - change tape	
			1932	L36F2.DAT	SOF	
			2020		Fish now 20m off bottom	
			2034	L36F2.DAT	EOF	
			2035	L36F3.DAT	SOF	
			2132	L36F3	EOF / EOL 36	
				PULL GRAV		

Cruise:			Chief Scientist:		Area:	Page: 17
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
~~60~~	20	252	1505	TST1.DAT	→ CRASH 1507
~~60~~	20	252	1509	TST2.DAT	
			1511	EOF	
			1650		Probs. w/ fish on deployment
					fish on deck, assess prob.
					- SIDE SCAN out of action
					for morning - still no solutions
					* Had to resplice cable, NAV &
					SIDESCAN FOR JD 252
	20	253	1450	LTST3.DAT	SOF (LTST2 INTENTIONAL)
			1456	"	EOF
38	20	253	1550		Put sidescan in, but not
					working, so back on deck.
39	20	253	1942	SOL L39F1.DAT	Dat connection repaired,
					so testing to destruction
			1945	EOF L39F1.DAT	- TSIS crash
			1945	start L39F2.DAT	
			2049	L39F2.DAT	EOF
			2050	L39F3.DAT	SOF
			2157	L39F3.DAT	EOF
			2158	L39F4.DAT	SOF
			2312	L39F4.DAT	EOF
			2312	L39F5.DAT	SOF

Cruise:			Chief Scientist:		Area:	Page: 18
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
39	20	253	2351	L39F5.DAT	EOF	

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
	21	254	1700	LTST.DAT	START FILES	
			1706		LOOP	
			SHUT DOWN		WINDOWS	
					NO DATA	
			9/12/97			
	21	255		LTST3.DAT	START	
			1516	255-1515.DAT	START (000 FILES NAMES)	
					CHECKED 16 BIT 1024 SAMPS	
				255-1515.DAT	EOF	
				LTST6.DAT		
			1520		SYSTEM ORACLE REBOOT	
			1526	LTST.DAT		
			1603	L40 F1.DAT	CRASH, RESTART	
40	21		1617	L40F1.DAT	SOF/SOL 40	
			1643	L40 F1.DAT		
41	21		1643	L41F1.DAT	SOL 41 SOF	
41	21	255	1721	L41F1.DAT	EOF - caught crab pot	
41	21	255	1802	L41F2.DAT	SOF	
			1905	L41F2.DAT	EOF	
			1906	L41F3.DAT	SOF	
			1937	L41F3.DAT	EOS / EOL 41	
42			1938	L42F1.DAT	SOF / SOL 42	
			2015	L42F1.DAT	EOF / EOL 42	

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
43	21	255	2016	L43F1.DAT	SOF SOL 43	
			2125	L43F1.DAT	EOF	
			2126	L43F2.DAT	SOF	
			2228	L43F2.DAT	EOF	
			2224	L43F3.DAT	SOF	
			2300	L43F3.	EOF / EOL 43	
			9/13/97			
			OD 256			
	22	256	1519	L44F1.DAT	SOF	
			1522		EOF	
	22	256	1549	L44F1.DAT	SOF	
			1555	EOF	EOF SNAG CRAB POT ON 2.5KHz - PULL IN fish	
			1600	L44F2.DAT	SOF	
			1602	EOF	ISIS CRASH	
			1602	L44F3.DAT	SOF	
			1610		tide rip IN jetty wall SEEN AS COURSE lag on bottom	
			1614	EOF	ISIS CRASH	
			1620	L45F1.DAT	SOF	
			1621	EOF	CRASH! — Reboot, change tape	
45	23	256	1622	L45F2.DAT	SOF	
			1625	EOF	CRASH	
			1625	L45F3.DAT	SOF & CRASH EOF	
			1629	L45F4.DAT	SOF, EOF crash	

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
45	23	256	1633	L45F5.DAT	SOF	
			1635		Lower fish	
			1752	EOF		
46			1753	L46F1.DAT	SOF	
			1845	EOF	Fish hit something, triggered	
					Release	
47			2008	L47F1.DAT	SOF back online, Fish ok	
			2124	L47F1.DAT	EOF	
			2125	L47F2.DAT	SOF	
			2203	EOF	Crash — 1515	
			2203	L47F3.DAT	SOF	
			2220	EOF EOL		
48		257		9/14/97		
			1515	L1S1.DAT	SO F	
			1517		CRASH SOFT REBOOT	
			1527	L1S2.DAT		
			1530	L1S3.DAT	1S3F	
48				~~L48F1.DAT~~	~~SOF~~ / S0F	
			SHUT	DOWN		

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
48"	24	259	1456	TEST1.DAT	SOF	
			1459	TEST1.DAT	180° CRANK	
			1500	TEST2.DAT	SOF 2	
			1502	"	BOB	