~~252-249-3333~~ J&J
252-514-5040

#105187 RAFL
RAFAEL 03005
Pamlico Sound, NC
July 20-Aug 10, 2003
R.Thieler/Mallinson-CCU
ISIS Log

USGS
science for a changing world

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

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

ISIS LOG

SHIP AND CRUISE: R/V Rafael 03005

AREA: Pamlico Sound, N.C.

DATES: 7/20 - 8/10 2003

CHIEF SCIENTIST: Thieler/Mallinson

0300SISI

Cruise: RAF03005 **Chief Scientist:** Thriller **Area:** Panlico Fiord **Page:** 1

Line #	Tape # (Knudsen)	JulDay & Date	Time GMT (-4)	Filename (Elics) 3S1 Boomer	Remarks (seismic, nav, problems, etc.)
1	1	207	1216	[redacted] ①	Geopulse Boomer 175 Tonne
				Ltsst 1	500ms Rep 250ms Record
				②	Knudsen Chirp 3.5kHz/12kHz
				③	Hypack/DGPS
					Hypack Line # 015-1215.207 (NE)
			1610	[redacted] LTSST 1	EOL
2	2		1610	L2 f1	Turn to Next Line HP Line 16
			1632		EOL Turn L2 f1
3	3		1632	L3 f1	SOL #3 HP 017-1632
			1745	*	Knudsen off line 1745 *
	4		1748	[redacted] *	Knudsen on line Line 4 *
3	4		2031		EOL [redacted]
4	5		2032	L4 f1 - Turn	SOL 2032 Hypack 18
					EOL 2052
5	6		2053	L5 f1	SOL 2053
5	6		23		EOL

* Special Note * See Line 3

0300518i

Cruise:			Chief Scientist:		Area:	Page:
Line #	Knudsen Tape #	JulDay & Date	Time GMT	Filename Elics	Remarks (seismic, nav, problems, etc.)	
6		208	1339	L6f1	SOL Elics HPack# 13	
7	7				Knudsen Line #7	
	8			*	Knudsen Down from 16:41	
					to 16:48 - Rocket	
			1740	EOL L6f1 Elics 9,8 knudsen	EOL 1740	
7	9	New	1741	L7 f1	SOL Elics HPack# 12	
7	9		1804		EOL	
8	10		1805	L8 f1	SOL HPack# 11	

Cruise: Raf 03005			Chief Scientist:		Area:	Page:
Line #	~~Tape~~ Knudsen	JulDay & Date	Time GMT	Filename Elics	Remarks (seismic, nav, problems, etc.)	
10	11	210	1329	L10fl.dat	SOL 10 Elics, 11 Knudsen Hypack #NETH 07	
			1537		EOL	
11	12	210	1541	L11fl.dat	SOL 11 Elics, 12 Knudsen, Hypack 21 *	
			1549		EOL (Do not Process)	
12	13	210	1550	L12fl.dat	SOL 12 Elics, 13 Knudsen, Hypack 31 Product	
			1820		EOL	

Do not process Line 11.

Cruise: Knudsen Chief Scientist: Riggs Area: Pam. Sound Page:

Line #	Tape #	JulDay & Date	Time GMT	Filename Elics	Remarks (seismic, nav, problems, etc.)
13	14	211	1343	L13 E1	SOL Boomer 13, Knudsen 14, Hydro 008
					EOL
14	15	211	1411	L14 E1	SOL Boomer 14, Knudsen 15, Hydro 009
					EOL
15	16	211	1630	L15 E1	SOL Boomer 15, Knudsen 15, Hydro 010
			1653		EOL
16	17	211	1653	L16 E1	SOL Boomer 16, Knudsen 17, Hydro 011
			1839		EOL
17	18	211	1839	L17 E1	SOL Boomer 17 Knudsen 18 HP003
			1856		EOL
18	19		1857	L18 E1	SOL Boomer 18 Knudsen 19 HP002

Cruise: RAF03005 Chief Scientist: Rigg Area: Pam Sound Page:

Line Knudsen	Tape Elics	JulDay & Date	Time GMT	Filename Elics File#	Remarks (seismic, nav, problems, etc.)
20	20	212	1254	L20 f1	SOL 20
					Boomer Line 20, Knudsen 20, Hypack# 012_1254
					Dog Leg - Hypack/Same Acq Files 013_1307
			1318		EOL
21	21		1318	L21 f1	SOL Boomer 21, Knudsen 21, Hypack# 014_1318
			1527		EOL
22	22		1528	L22 f1	SOL Boomer 22, Knudsen 22, Hypack 015_1527
			1552		Look for 2 files on this Line
23	23		1552	L23 f1	SOL Boomer 23, Knudsen 23, Hypack 016_1552
			1836		EOL
24	24		1837	L24 f1	SOL Boomer 24, Knudsen 24, Hypack 017_1836
			1856		
25	25		1857	L24 f1	SOL Boomer 25, Knudsen 25, Hypack 018_1856
					DATA Noisy - Bad Sea State

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
26	26	213	1536	126 f1	Boomer 26, Knudsen 26, Hypack 002, Slotti, Back Side Ocracoke Inlet.	36
			1545 → TURN			

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
26	26	214	1409	L26 f1	SOL Boomer 26, Knudsen 26, Hypack 00[illegible]	
			1450		EOL	
27	27		1451	L27 f1	SOL Boomer 27, Knudsen 27, Hypack 00[illegible]	
			1513		EOL	
28	28		1514	L28 f1	SOL Boomer 28, Knudsen 28, Hypack 00[illegible]	
					EOL	
29	29		1618	L29 f1	SOL Boomer 29, Knudsen 29, Hypack 00[illegible]	1618
			1651			
30	30		1651	L30 f1	SOL Boomer 30, Knudsen 30, Hypack 00[illegible]	1651
					Boomer Stuck Flipped Twice on this	
					Line	
			1853		EOL 1853	
31	31		1854	L31 f1	SOL Boomer 31, Knudsen 31, Hypack 00[illegible]	
			1916		EOL Data Noisy	
32	32		1916	L32 f1	SOL Boomer 32, Knudsen 32, Hypack 00[illegible]	
			1926		Data Noisy	
33	33		1927	L33 f1	SOL Boomer 33, Knudsen 33 Hypack 0[illegible]	

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
18		215	0701	L18 fl	SOL 300 mse 100 Joules 500ms Rep 250m Rec.	
19		215	0815	L19 fl	E-L SOL *May Have not recorded*	
20		215	0855	L20 fl	SOL	
21		215	1020	L21 fl	SOL	
22		215	1112	L22 fl	SOL	

Cruise: Raf 03005			Chief Scientist: Riggs		Area: Pam Sound	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
32	32	215	1319	L32 fl	Boomer 32, Knudsen 32, HP 010 - 1316	
					EOL 1325	
33	33	215	1325	L33 fl	Boomer 33, Knudsen 33, HP 011 - 1324	
			1354			
34	34	215	1354	L34 fl	Boomer 34, Knudsen 34, HP 019 - 1355	
					Following Seas	
					1403 Sled Flipped	
					1435 Sled Flipped	
			1634		EOL	
					Extremely Noisy DATA	

Cruise: RAPO 3005 Chief Scientist: Riggs Area: Pam Sound Page:

Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)
40	40	216	1320	L40 fl	SOL Boomer 40, Knudsen 40, Hypack 002 1320
			1334		EOL 003 1339 004 1333
41	41	216	1335	L41 fl	SOL Boomer 41, Knudsen 41, Hypack 005 1335
					EOL
42	42	216	1531	L42 fl	SOL Boomer 42, Knudsen 42, Hypack
					006 1531
					022 1557
					EOL
43	43	216	1620	L43 fl	SOL Boomer 43, Knudsen 43, Hypack
			1629		EOL 023 1620

Cruise:			Chief Scientist:		Area:	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
45	45	217	1408	L45 fl	SOL ~~Boomer~~ 45, Knudsen 45, Hypack 021 1407	
					030805	
					165503	
		*	Recorded over 20000 sp.		May be (2) files * / Sol 1706	
~~46~~	~~46~~					
46	46	217	1707	L46 fl	Sol Boomer 46, Knudsen 46, Hypack 022	
47	47	217	1803	L47 fl	SOL ~~Boomer~~ 47, Knudsen 47 Ho 023	
			2007	SOL		

Cruise: PAM 03005			Chief Scientist: Riggs		Area: S. PAM Sound	Page:
Line #	Tape #	JulDay & Date	Time GMT	Filename	Remarks (seismic, nav, problems, etc.)	
48	48	220	1331	L48 fl	SOL Boomer 48, Knudsen 48, Hp Pk 039 1331	
			1410		EOL	
49	49	220	1411	L49 fl	SOL Boomer 49, Knudsen 49, Hp pk 027 1410	
			1529		EOL	
50	50	220	1530	L50 fl	SOL Boomer 50, Knudsen 50, HP 026 1530	
			1545	Booke off	Line Due to power	
					Loss. Check EOF on	
					Both Systems	
50	51	* Reshot of		50 *	15:58 GMT	
			1623	L51 fl	SOL 50/51	
52	52	220	1624	L52 fl	SOL Boomer 52, Knudsen 52, Hp 025 1623	
			1821		EOL	
53	53		1822	L53 fl	SOL Boomer 53 Knudsen 53 Hp 024	
			1906		EOL	
54	54	220	1907	L54 fl	SOL Boomer 54, Knudsen 54, Hp 023	
			2035		EOL	