RECORDING LOG

(1)

CONRAD
R/V ~~MEDEA~~

DFS IV
NO. CHANNELS – 48
Format: SEG B

Cruise: RC23-11 BAHAMA BANK

Line: 333 CDP DISTANCE – 8.2 km SOURCE – 4-466" AIR GUNS BPI: 1600

JULIAN Date	TIME – GMT ~~Shot #~~	TAPE # ~~Time~~	FILE ~~Tape #~~ COUNT	Depth FM.	Pop Rate SEC	Samp. Rate MSEC.	Rec. L SEC.	Trip Del. SEC.	CSE→ C X D	TIME E X F	Comments
299	2055	1001	001	457	20	4	12	0			START RC23-11 LINE 333
	21:31	1002	107	394	"	"	"	"			4-466" AIR GUNS
	22:06:09	1003	214								3600 m. STREAMER
	22:41	1004	320	417	"	"	"	"			Ready, Ship on line + Streamer Straight
	23:11:48		411								
OFF →	23:17	1005	426								→ S.B. #51 AUX. CH. #4
	~~23:20:46~~	~~1005~~	~~RECORDING~~								→ POWER FAILURE OFF #4
	23:23:46	1005	429	466	"	"	"	"			UNIT STOPPED RECORDING.
300	00 01:10	1006	539	429	"	"	"	"			→ GOT UNIT STARTED. LOST
		"							108°	00:23	~13 SHOTS BETWEEN 426+429
											MISSED 5 SHOTS 534-538
	0029:30	"									* Blew Fuse again
	0030:00	1007	621	540	"	"	"	"			First Shot ~ 3 Shot missing
	01:06:03	1008	729	577	"	"	"	"			
	01:15										SB #52 AUX. CH #4
	~~01~~										3 GUNS #3 SOLENOID WIRE
	01:41	1009	835	512	"	"	"	"			
	02:16		~~847~~								
	02:16	1010	943	501							
	02:58:52	1011	0051	488	"	"	"	"			7 Shots Missing 1044-1050
	03:32:15	1012	0160	1010	"	"	"	"			3-Guns
	04:07:32	1013	1266	1092	"	"	"	"			3-Guns: #3 READY
300	04:43:12	1014	1373	[redacted]	"	"	"	"			4-Guns: ABORTED TAPE

1350

RECORDING LOG

(2)

R/V ~~VEMA~~ CONRAD

Cruise: RC 23-11

Line: 333/

BAHAMA BANK CDP

DISTANCE 82 Km

DFS IV
CHANNELS 48
Format: SEG B
BPI: 1600

JULIAN Date	~~Shot Point #~~ GMT	TAPE # ~~Time~~	File Tape # count	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
300	050500	1015.	1473	1335	20	4	12	0			
300	05:40:00	1016	1530	1340	"	"	"	"			All GUNS OPERATING ~~*TAPE ABORTED~~
300	06:04:00	1017	1597	1120	"	"	"	"			Messed up switch from TPX2 → TPX1 missed
300	06:45:00	1018	1706	1215	"	"	"	"			(TPX1) watch this tape (1st Tape # will read #019)
											missed a few shots
~~300~~	~~07:20:50~~	~~1019~~	~~1811~~		"	"	"	"		File 1018	Shot 790 is first on turn; 07:13 Time
~~300~~		~~1020~~									of Turn start.
~~300~~		~~1026~~									NEW LINE (334) File 1019
~~300~~	07:20:50	1019	1811								START NEW LINE
											NEXT PAGE (3)
		END	OF	LINE	333						

RECORDING LOG

(3)

R/V ~~VEMA~~ CONRAD

Cruise: ~~RC~~ RC 23-11 BAHAMA BANK

Line: 334 CDP DISTANCE 46 KM

DFS IV
CHANNELS 48
Format: SEG B
BPI: 1600

Date	~~Shot Point #~~ GMT	TAPE # ~~Time~~	FILE ~~Tape #~~ COUNT	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	R/E	Comments
300	07:20:50	1019	0811	1100	20	4	12	0			NEW LINE [CHANGING COURSE]
300	07:56:00	1020	0918	1235	"	"	"	"			MISSED 4 SHOTS 22-26
300	08:33:14	1021	0026	1430	"	"	"	"			
"	0844	1021	61		"	"	"	"			
"	9:00:00	1021			"	"	"	"			MISSED 13 SHOTS. END TAPE power Failure
"	9:04:09	1022	107	1830	"	"	"	"			start tape
"	0906	1022	113		"	"	"	"			
"	0939:49	1023	213	1650	"	"	"	"			MISSED 2 SHOTS Change tape Switch Lines
"	1018:31	~~1023~~ 1024	320	1450	"	"	"	"			first shot on tape
"	10:53:50	1025	426	1390	"	"	"	"			(weather getting rougher)
"	11:29:26	1026	533	1840	"	"	"	"			
	1207:55	1027	639	1500	"	"	"	"			
	12:28	1028	710	1545							Changing Course
	12:40	1027	746	1520							Last Shot on Tape
		END OF LINE					334				

RECORDING LOG

(4)

R/V ~~VEMA~~ CONRAD
Cruise: RC 23-11
Line: 335

BAHAMA BANK
CDP
DISTANCE 74 km

DFS IV
#Channels 48
Format: SEG-B
BPI: 1600

Date	~~Shot Point #~~ GMT	TAPE# ~~Time~~	FILE ~~Tape #~~ Count	Depth Fathoms	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
300	13:58:20	1028	001	1440	20	4	12	0			START LINE 335
	14:28:20	1029	107	1438	"	"	"	"			
	15:07:37	1030	214	1515	"	"	"	"			MISSED 8 SHOTS
	15:31:13	1031	278	1600	"	"	"	"			UNKN-NN, SH-TS MISSED
	16:09:00	1032	388	1443	"	"	"	"			Missed 5 or 6 SHOTS
	16:49:10	1033	493	1506	"	"					
	16:47:00	1033	502	1506							S.B. #53 AUX. CH. # 4
	17:20:10	1034	601	1375	"	"	"	"			5 shots missed.
	17.59	1035									SB #53 OFF
	1801	1035	708	"				"			went off ? Power loss,
			711					"			last shot ~~PROOF~~ POWER
											FAILURE LOST 17 SHOTS
	1807	1035	712	1485	"	"	"	"			BACK ON,
	18:24:30	1035	734	1402	"	"	"	"			* TAPE 1035 ABORTED (LOST 10
	18:24:30	1036	735	1402	"	"	"	"			FIRST SHOT ON 1036 SHOTS)
	19:00:00	1037	841	1280	"	"	"	"			
	19:34:00	1038	946	1260	"	"	"	"			S.B. #54 AUX. CHAN #3
	19:42:30	1038									S.B. #54 AUX CHAN #3
	20:01:00	1038	1025								SHUT OFF 2 & 3 GUNS
	20:02:30	1038	1031								Last Shot

RECORDING LOG

(5)

R/V ~~VEMA~~ CONRAD
Cruise: RC 23-11
Line: 336

BAHAMA BANK
DISTANCE 190 KM

DFS IV
48 CHANNELS
Format: SEG B
BPI: 1600

Date	~~Shot Point #~~ File #	Time	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
301	42	04:32:00	1039	1350	20	4	12	0.0			START NEW LINE
"		04:43	1039	1358	—	—	—	—	—	—	TAPE ABORTED; 6 SHOTS LOST.
"	64	04:43:39	1040	1367	"	"	"	"			Tape aborted missed about 2 or 3 shots.
"	153	05:14:00	1041	1260	"	"	"	"			~~[illegible]~~
301	328	05:39:00	1041		"	—	—	—	—	—	S.B. #55; AUX. ch. #4
"	259	0549	1042	1037	"	"	"	"			
"	368	062812	1043	1100							MISSED ~~6~~, SHOTS
301	~~423~~	~~070647~~	~~1044~~								~~[illegible]~~
"	474	070931	1044	1405							MISSED 10 SHOTS
301	581	07H6:00	1045*	1250							Missed 2 shots
"	688	0822:00	1046*	1045							
301	796	858:00	1047*								
301			~~1048~~								
	873	923:57	1047								DFSIV FAULT SYSTEM DOWN
	930	—									
		END LINE 336									
* DFSIV	FAULT CAUSED CHANNELS 37-48 ~~[illegible]~~ TO BE PARALLELED.										

THIS ~~A~~FFECTED THE LAST 20 SHOTS ON TAPE 1045. ~~*~~ALL OF 1046 & 1047.

RECORDING LOG

(6)

R/V ~~SEWARD~~ CONRAD

DFS IV
48 CHANNELS
Format: SEG B

Cruise: RC23-11 BAHAMA BANKS

Line: 337 CDP DISTANCE ____

BPI: 1600

Date	~~FILE~~ ~~Shot~~ Point # COUNT	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
301	001	12:43:04	1048	1168	20	4	12	0.0			
"	108	13:17:55	1049	924	"	"	"	"			
"	217	13:54	1050	825	"	"	"	"			Missed 5 shots
"	322	14:30	1051	687	"	"	"	"			Changing Course 163° at 15:03
"	430	15:06	1052	760							C/Missed 4 shots
"	472	15:20	1052	760							Changing Course 153° at 15:21
"	538	15:42	1053	939							
	647	16:19	1054	951							Change Course ~~163~~ 152 at 16:41 (FFS: T.D. 1054)
301	753	1655	1055	905							S.B. #56A — DUD (will have wiring ~~S.B. Launched~~ Tape T.D. for 20 min)
"	~~758~~ 758	16 56 45	S.B.	905							~~S.B # 56B Channel 6 bad~~ DUD
"	810	1714	S.B.								S.B. #56 Channel # 01
301	860	1730	1056	915							(A/C → 158 at 17:45)
	966	1806	1057	910							
	0052	1834	1057	910							A/C → 154
	0076	1842	1058	910							changed Tape ID# late (will have 1057?)
	1097	1849	1058	910							A/C → 152
	1183	19:18	1059	910	"	"	"	"			
	[redacted]	[redacted]									[redacted]
	1292	19:56	1060	907	"	"	"	"			Missed 8 SHOTS
			~~1061~~								
	1372	20:23:10									S.B. #57A AUX CH. #4 DUD.
	13993	20 30.01	1060	875							SB #57 " "
	1397	2031:25	1061	875							

RECORDING LOG

(7)

R/V ~~VEMA~~ Conrad

Cruise: RC23-11

Line: 337

Bahama Banks

CDP

Distance ——

DFS IV
48 channels
Format: SEG B

BPI: 1600

Date	File ~~Shot Point #~~ cont	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
301	397	20:31:25	1061	875	20	4	12	0.0			
"	505	21:10:44	1062	~~808~~ 773							Missed ≈ 8 shots
301	610	21:45:47	1063	~~853~~ 803							
301	718	22:21:44	1064	787							
	823	22:56:47	1065	777							
	930	23:32:22	1066	770							~~TTH TTH~~ Missed Shots
	933	23:36:02	1066	749							ABORTED EARLY, TAPE KEEPS RUNNING
	018	0004:34	1067	770							
302	1205	00:40:25	1068	760							
"	179	00:46:00	~~1068~~	~~760~~							SB#. 58 on Ch.4
"	231	01:15:51	1068	760							
"	339	~~01:45:51~~	1070								Missed 4 shots
"	339	01:53	1070	740							SB# 58 off
"	443	02:27:59	1071	738							
"	550	3:03:40	1072	737							
	656	3:35:17	1073	1135							
	764	~~0418~~	S.B.	#59							R S.B. #59 ~~Launched, missed 9 shots~~
	764	0418	1074	732							~~missed 9 shots~~ missed 8 shots
	~~770~~	~~043550~~	~~1075~~	~~730~~							TRX-1 ~~he~~ had a continuous wiggly line from 770 ms
	790	043550	1075	730							ABORTED LOOK LIKE BAD TAPE 1073
	~~859~~	050859	1076	720	SPEARGUN DEPTH				HEAD	OT	#1, 32/ #2, 42/ #3, 34/ #4, 40/
	~~994~~	~~054358~~	1077	~~700~~							#5, 28/ #6, 28 TAIL.

RECORDING LOG

(8)

R/V ~~VEMA~~ Conrad — Miami → Jacksonville — DFS IV

Cruise: RC 23-11 — Format: 48 channels

Line: 337 — CDP — Bahama Bank — Distance — — BPI: Seg. B 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
302	994	0543	1077	720	20	4	12	0.0			
"	102	0619	1078	720							
"	207	0654	1079	716							Last channel not working properly (connected)
"	314	0730:12	1080	720							
302		0800:06	1080								End of line start turn.
302	420	0805:43	1080	450							TAPES OFF.

RECORDING LOG

(9)

~~RAY VEMA~~ R/V CONRAD — MIAMI → JACKSONVILLE — DFS IV

Cruise: RC 23-11 — Format: 48 Channels SEG B

Line: 338 — CDP — BAHAMA BANK — Distance ____ — BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
29TH OCT 1982 (302)	001	~~07~~08:42	1081	450	20	4	12	0			
"	109	09:46:48	1082	694							
"	214	10:19:48	1083	720							
"	321	10:55:22	1084	720	DEPTH	HEADS	#2	#3			#3:35 / #4:43 / #5:35 / TAIL 28
"	426	11:30:23	1085	723							
"	534 524	12:06:23 (302)	1086	722						↘	SB #60 CH 4. 12:02
"	639	12:41	1087	717							
"	747	13:15	1088	715							
"	853	13:58:30	1089	707							4 shots missed 853-857
"	964	14:33:42	1090	685							
"	072	15:09:40	1091	575							Missed 1 shot.
"	181	15:46:14	1092	575							A/C / 15:55
	224	16:00	1092	505							Last shot / Shut down

RECORDING LOG

(10)

R/V ~~VEMA~~ CONRAD

Cruise: RC 23-11

Line: 339 CDP

Miami → Jacksonville

BAHAMA BANK

Distance 45 Km

DFS IV 48 CHANNELS

Format: SEG B

BPI: 1600

Date	Shot Point #	Time hr-min-sec	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
302					20	4	12	0.0			NEW LINE - Capt. Says cable straight @ 1652
29 Oct. 82											
302	225	16:51	1093	640	"	"	"	"			START-UP
"	291	17:14:23	1093	635	"						S.B. # 61
"	332	17:27:26	1094	640	"	"	"	"			
"	437	18:02:26	1095	695	"	"	"	"			
"	545	18:38:33	1096	699	"	"	"	"			
"	617	19:02:30	1096								A/C → 157
	652	19:15:31	1097	690							
	719	19:36:50	1097								Sonobuoy off
	759	19:49:55	1098	640							
	865	20:25:03	1099	620							
	974	21:09:45	1100	611							1 shot missed - Tape won't stop
	985	21:10:03	1101	611							26 shots missed
	1094	21:46:03	1102	595							
	159	22:07:58	1102	500							END LINE 339

RECORDING LOG

R/V ~~VEMA~~ CONRAD

Cruise: 23-11

Line: 340

MIAMI - JACKSONVILLE
BAHAMA BANK
DISTANCE 75 Km

DFS IV 48 CH

Format: SEG B

BPI: 1600

Date GMT	Shot Point #	Time GMT	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
10/29/82	001	23:10:03	1103	530	20	4	12	0	0	0'	Bridge says Gel Strength
302	108	23:45:44	1104	649	"	"	"	"	"		at 2320 LOGGER TAPE 23234
303	215	00:22:09	1105	696							S.B. #62 23:25:02 tape #1103
10/30/82	320	00:57:10	1106	705							[redacted]
	428	01:34:55	1107	710	HEAD DT 35'		#2	35/#3	33		Missed 6 shots
	535	[redacted]	1108	714	#4	43	#5	35'	TAIL	281	
	642	02:46:16	1109	721							
	748	03:21:54	1110	725							
	855	03:57:47	1111	727	"	"	"	"			
	920	04:19:27	1111	727							S.B. #63 Launched
	961	04:33:00	1112	730	"	"	"	"			I.D. WAS NOT ON 1111 during last tape (1110) → 1112 ERRONEOUSLY ON 110.
						NO	I.D. →	1111		--	
											ON TAPES 111-112 SOME HIGH FREQUENCY NOISE ON CH. 46-48
	069	05:08:46	1113	728	"	"	"	"			
	174	05:44:30	1114	723	"	"	"	"			2-shots missed
	—	06:10:00	1114	—							S.B. #63 OFF
	281	06:20:04	1115	679	"	"	"	"			
	353	06:44:37	1115	420	"	"	"	"			Started to turn
	368	06:57?	1115								STOP TAPE

RECORDING LOG

CONRAD
R/V ~~VEMA~~

Miami → Jacksonville
BAHAMA BANK

(12)

DFS IV
48 CHANNELS
Format: SEG B

Cruise: RC 23-11

Line: 341 C.D.P.

Distance _____ Km

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate MSEC	Rec. L. SEC	Trip Del.	O/D	R/E	Comments
303 30[illegible]3	1	07:52:00	1116	497	20	4	12	0			NEW LINE
10-30-82	NOTE CHANNEL 44	HAS LOW	AMPLITUDE	PROBLEM	ISOLATED	TO	STREAMER.				
	48	8:10:40	1117	600	20	4	12	0			JPX1 NOT STOPPING CHANGED TAPES
		08:27	HEAD	OTI 36'/#2	38'/#3	33'/#4	45'/	#5 35'	#6 30'	TAIL.	
	155	08:46:30	1118	459	20	4	12	0			
	~~1560~~ 260	09:21:29	1119	729							
	367	09:57:03	1120	739							
	473	10:32:23	1121	741							
	581	11:08:23	1122	742							
	686	11:43:23	1123	735							
	793	12:19:32	1124	600							
	899	12:56:14	1125	517							Missed 5 shots.
	968	13:19:11	1126	569							Changed tape due to high gain errors
	075	14:54:45	1127	509							
	183	15:31:13	1128	404	→	22	1	1:50	1128	A/C	Missed 2 shots
	288	15:06:27	1129	610							
	221	14:50	1128	404							A/C to 340
	336	/	1130	→ WRONG	TAPE	END	1120				Last shot — Changed course during end of tape 1130

RECORDING LOG

R/V ~~VEMA~~ CONRAD

Cruise: RC-23-11

Line: 342

C.D.P

Miami → Jacksonville.
BAHAMA BANK
Distance 48 km

DFS IV 48 CHANNELS

Format: SEG. B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate SEC	Samp. Rate MSEC	Rec. L. SEC	Trip Del.	O/D	P/E	Comments
303	337	15:23:52	1130	660	20	4	12	0			STARTED W/ WRONG
30 OCT 82	442	15:57	1131	709							DARK F.D. + LIGHT NO.
"			HS								15:14 STREAMER STRAIGHT 1614 A/C 299
303	494	1653:50	1132	725	"	"	"	"			
"	558	1637:08	SB.								S.B # 64A Aux Ch. #4
"	6596	17:09:09	1133	853							Digital File # used to Read so I believe it is 6.56 (shot #)
303	761 689	~~17:20:00~~ 1744:30	1134	855						S	S.B # 64 ON CH. #4
"	868	18:20:50	1135	860	"	"	"	"			
"	978	19:00:07	1136	862							11 - shots missed (TPX-1)
"	1086	19:35:05	1136	600	"	"	"	"			END LINE / TURN

RECORDING LOG

R/V ~~VEMA~~ Conrad
Cruise: RC 23-11
Line: 343

C.D.P.

BAHAMA BANK

Miami → Jacksonville

DISTANCE 24 km Km

DFS IV
48 CHANNELS
Format: SEG B
BPI: 1600

Date	Shot Point #	Time	Tape #	Depth Feet	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
303	001	20:37:03	1137	720	20	4	12	0			NEW LINE - St...
10-30-82	106	21:12:03	1138	902							Streamer 20:30
	213	21:47:45	1139	925							
	318	22:22:50	1140	901							
	STREAMER DEPTH HEAD / #1; 38' / #2; 40' / #3; 35' / #4; 42' / #5; 32' / #6; 25' TAIL										
	425	22:58:26	1141	705	20	4	12	0			
		~~22:58~~									~~Start Testing~~
	~~2318~~ 531	23:33:23	1142	340							23:37:21 End of Line
											Shot 542

(15)

C.D.P.

RECORDING LOG

Miami – Jacksonville

BAHAMA BANK

R/V ~~VEMA~~

Cruise: R Conrad 23-11

Line: 344

Distance 64 km

DFS IV 48 Channel

Format:

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
304	544	~~00~~:37:33	1143	560	20	4	12	0.0	—	—	Gel Straight at 0530
"	612	01:08:20	1143	610	—	—	—	—	—	—	SB# 65 (Model 57)
"	650	1:13 ~~20~~	1144	675							
"	757	1:48:55	1145	687							10 shots missing
"	827	2:19 ~~55~~	1146	756							
"	934	2:54	1147	852							missed 1 shot
"	990	3:16	1147								Ak to 325°
"	←	~~03~~ 14:39	1147	—	—	—					SB# 66 end of
"	039	3:31	1148	916							missed 2 shots
"	074	3:44	1148	923							A/C to 303°
304	147	0407:55	1149	985							(0435 Ak → 306) (Ch #43 fixed)
"	255	0442:50	1150	1155							
"	DEPTHS	READ	#1; 36'/	#2; 37'/	#3; 33'/	#4; 40'/	#5; 31'/	#5; 26'	TAIL		
304	359	0518:29	1151	1118							A/C → 304 at 0533 / Tape ID. was not pushed until 2 nose
"	~~464~~	~~0602:30~~	~~TEL~~				Ak →	301 at	0603		~~Computer~~ off 0554:30 / Missed 20 shots Tape end.
304	464	0602:30	1152	1031							~~A/C~~ → 304 at 0630 /
	571	0638:10	1153	747							END
	673	0712:42	1154	5400							~~STOPPED~~ EARLY 1153 EARLY TAPE CHANGEOVER
											Started to turn (End line)
											Let tape finish thru turn.
				End line 344							

(16)

RECORDING LOG

R/V VEMA CONRAD ; CDP

Cruise: RC 23-11 · MIAMI – JAX

Line: 345

BAHAMA BANK

DISTANCE 21 km

DFS IV 48

Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
304	001	08:20:45	1155	240	20	4	12	0			001 3RD SHOT ON TAPE,
10/31/82	104	09:55:03	1156	1000							
	211	09:30:43	1157	1292							
	317	10:06:03	1158	1254							
	DEPTH	HEAD	DT1	38'	#2; 43'	#3; 35'	#4; 42'	#5; 30'	#5; 26'	TAIL	
	424	10:41:43	1159	1352							
	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~								
	~534	11:17:05									LAST SHOT ON LINE

RECORDING LOG

(17)

R/V ~~VEMA~~ CONRAD CDP Bahama Bank DFS IV 48

Cruise: RC23-11 Miami - Jacksonville Distance 36 Km Format: SEG B

Line: 34b BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
31 Oct 1982	001	11:17:25	1160	1440	20	4	12	0			001 2nd shot on tape
(304)	107	11:52:43	1161	1555							~~Second delay~~
	213	12:28:10	1162	1629				2			2 second delay
	319	13:03:54	1163	1550				2			
	426	13:41:55	1164	1507				2			Missed 7 shots (mech failure)
	536	14:22:57	1165	1200				2			First shot tape 1165
	641	14:57:06	1166	1140				2			
	731	15:18						0			change delay to 0
	748	15:33:41	1167	770				0			
	752	15:34:55		LAST SHOT ON 1167							LAST SHOT ON 1167

RECORDING LOG

R/V ~~VEMA~~ Q

Cruise: RC 93-11

Line: 347

Miami — Jacksonville

BAHAMA BANK

CDP

Distance: 58 Km

DFS IV
48 CHANNEL
Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth Fathoms	Pop Rate SEC	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
350	1	16: 31:06	1168	1260	20	4	12	2			NEW LINE
10-31-88	107	17:06:27	1169	1387	"	"	"	2			2-Second delay.
"	214	17:42:07	1170	1340	"	"	"	2			SHOTS MISSED TAPE ABORTED (CAN CONTINUE)
"	247	18:06:19	1171	1580	"	"	"	2			
"	344	18:06	171	1580	—	—	—			D	S.B. # 66
"				TAPE	1171	WOULDN'T	GO	MISSED			SEVERAL SHOTS
	319	18:40:05	1172	1830				2			TAPE 2.0. RESET TO 1172
											HAD BEEN 1168 TILL NOW
	426	19:11:49	1173	1740	"	"	"	2			
	~452	19:20'30	1173							D	Guns 2 & 3 off
		1927									S.B. #66 OFF
		19:44									C.B. # 68A ON
	532	19:47:07	1174	1540	"	"	"	2			
	613	20:14:30	1174							D	Gun # 2 on.
	639	20:22:40	1175	1449							TAPE ABORTED TAPE-1 FAILED TO STOP 6 SHOTS MISSED.
	670	20:35:40	1176	1401							
	777	21:11:20	1177	1280							
	883	21:46:43	1178	980							
	990	22:22:23	1179								(CHANGED TAPE 1180 to 1179.
	998	22:26:03	1180	1179/550	ABORTED	TAPE	1	FAILED		D	Guns 2 & 3 OFF
	1012	22:30:24	—								0 DELAY.
	017	22 32									START TURN SOUTH

RECORDING LOG

R/V CONRAD
Cruise: RC23-11
Line: 348

MIAMI – JACKSONVILLE
BAHAMA BANK
C.D.P.
DISTANCE 136 Km

DFS IV (4)
LAB CHANNEL 2
Format: SEG B
BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
304	1	23:35:09	1180	500Fm	20	4	12	0	—	---	NEW LINE
	~~108~~	~~00:10:59~~	~~1181~~								(CDP Start Line 23:30
305	108	00:10:59	1181	1240Fm							Delay 2.0 sec shot 108
"	150	00:24:40	1181								SP# 67 on Aux #4
"	215	00:46:35	1182	1428FM							Record 4 takes to begin of #315
"	321	1:24:06	1183	1439FM							
"	428	1:59:34	1184	1410							End Seismic #69 at 02:30
"	525	2:33:52	1185	1320							
"	632	3:09:38	1186	1515							
"	737	3:44:32	1187	1515							
305	844	4:20:20	1188	2000							Tape aborted.
305	881	04:32:50	1189	2000							missed 1 shot. (A/c → 017 at 0445)
"	973	0503									change delay to 4 sec
"	988	05:08:30	1190	1985							Tape aborted due to cont. run.
"	081	05:40:14	1191	2092							Missed 4 shots due to above
	188	06:15:50	1192	2160							A/c → 024 at 0634
	293	06:50:54	1193	2180							TRACE 44 bad (A/c → 027 at 0705)
	399	07:26:19	1194	2092							Aborted Tape due to cont. run.
	489	07:57:18	1195	2261							missed 3 shots / 0810 guns down
	521	0810									Compstee is out ~~with the~~ feet.
	522	09:01:04									(A/c → 029 at 0821) ~~NO DELAY~~
	~~533 (DUDS)~~										NO DELAY
	534	0906			20	4	12	4			4 SEC DELAY

RECORDING LOG

~~R/V VEMA~~ R/V CONRAD

Cruise: RC23-11

Line: 348 CDP

MIAMI - JACKSONVILLE
BAHAMA BANK
DISTANCE 136KM.

DFS IV
48 Channel
Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
305/1ST NOV 1987	595	09:26:15	1196	2328	20	4	12	4			TRX-1 FAILED TO STOP TAPE ASCENT INSTRUMENT
	623	09:38:45	1197	2317							
	730	10:14:04	1198	2360							
	835	10:49:04	1199	2450							
	942	11:24:50	1200	2515							
	048	12:00:00	1201	2579							
	155	12:35:24	1202	2393							
2 59	~~2615~~	~~13:10:46~~	~~1203~~ 1202								End of Recording
	~~2718~~	~~13:45~~									~~End Attempted Acquisition~~
DEPTH	HEAD	#1 28	#2	38	#3	33	#4	38	#5	31	#6 27 TAIL

RECORDING LOG

(21)

R/V VEMA CONRAD

Cruise: 23-11 MIAMI TO JAX

Line: 349 CDP

DISTANCE 145KM

DFS IV 48 Channels

Format: SEGB

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11/2/82	001	19:15:00	1203	2422	20	4	12	5			Bridge Jump Eel
	110	19:51:00	1204	2460							Straight at 19:15:00
	180	20:05:34	1204	2455							S.B. # 69 start-
~~SB~~ 306	215	20:26:45	1205	2425							Aborted due to [illegible]
	309	20 55:00	1206	2479							1
	414	21 32:54	1207	2423							1206 ~~#~~ on tape.
	521	22:08:54	1208	2405							
	625	22:43:14	1209	2419							
	731	23:16:34	1210	2397							
	~~11:23:39~~										
	836	23:53:34	1211	2412							
~~SB~~ 307 3RD Nov. 1982	911	00:18:40	1211	2411							S.B #70 S[illegible]
	1013	00:29:30	1212	2465							
	[illegible]	[illegible]	[illegible]	2460							Missed 5 to Kate
	156	1:42:44	1214	2500							02:00 S.B. 72 OFF
	263	2:20 39	1215	2520							
	370	2:56:05	1216	2512							
	477	3:33:35	1217	2545							Missed 5 shots
	600	04:41:00	1217	2560							S.B. 73 AT 03:47
	584	4:[illegible]30	1218	2563							Missed 7 shots
	620	4:37:42	1219	2566							The last half tape didn't record -
307 3RD NOV 1982	729	05 16:10	1220	2558							missed 6 shots
	834	05 51:00	1221	2468							(Nov 3rd 06:47)

RECORDING LOG

R/V VEMA (Lamont)

Cruise: RC 23-11

Line: 319

Mem. → Jacksonville

Distance 145 km

CDP

DFS IV 48 channels

Format: Seg B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
Dec 2, 1976	941	06:26:40	1222	22:53	20	4	12	4			(0634:00 changed Rec L to 4 sec)
								2			065 / changed to 2 sec
	47	07:01:45	1223	2000				2			
	159	07:37:30	1224	2050				2			
	143	07:51:30	1225	1900				2			
	300	08:27:00	1226	1730				2			
	405	09:02:07	1227	1700				2			
	512	09:37:54	1228	1760				2			
	619	10:13:04	1229	1512				2			
	728	10:49:34	1230	600				2			started Lsm at 10:53
OFF →	834	11:25:14	1230	620				2			

RECORDING LOG

R/V ~~VEMA~~ Conrad

Cruise: RC 23-11 Miami → Jacksonville

Line: 350 CDP Distance 125 KM

DFS IV 48 Channel

Format: Seg B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-3-80 307	000	11:36:34	1231	1010	20	4	12	2			Start Line 350 @ 10:35
	108	12:12:14	1232	1570							
	160	12:29:37	1232	1570	20	4	12	4			Change Delay from 2 → 4 sec
	215	12:47:54	1233	1860							Missed Shot Point 215 (no air)
	284	13:13:34	1234	1860							
	392	13:49:33	1235	2194							
	498	14:24:45	1236	1920							
	511	14:29:06	1236	1990							SB# ~~72~~ Ch#7
	606	15:00:51	1237	2020							
	713	15:37:00	1238	2170							
	~~819~~	16:11:51	1239	2185							
	925	16:42:20	1240	2526							A/C → 031 17:13
	1023	17:23:00	1241	2553							16:51 S.B. #74 off
	1139	17:58:30	1242	2556							
	1247	18:31:30	1243	2545							REPRODUCE GAIN 60 db.
1023	1139	01 21	32	#2: 50	#3	12	#4	13	#5	58	#6: 30 / 7312
		18:50	1243								A/C → 028
	1353	19:09:45	1244	2510	20	4	12	4			
	1459	19:45:05	1245	2540							
	1472	19:49:14	1245	2522							Sonobuoy # ~~73~~ 78 launched
	1564	20:20:00	1246	2517							
	1671	20:57:05	1247	2508							5 shots missed: 7311
	776	21:32:00	1248	2498							

RECORDING LOG

R/V ~~VEMA~~ CONRAD

Cruise: RC23-11 BAHAMA BANK

Line: 350 EDP WESTAPAC 135 WM

DFS IV 45 CHANNELS

Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
3 NOV. 1982	883	22:07:34	1249	2495	20	4	12	4			
(307)	988	22:42:34	1250	2465							
	1096	23:18:14	1251	2245							
	1201	23:53:14	1252	2450							
4 Nov 1982 (308)	1308	00:28:54	1253	2438							
	1414	1:06:23	1254	2426							
	1521	1:41:28	1256	2423							
	1534	2:06:25	1256	2432							A/C 039° — 020°
	1640	2:45:13	1257	2432							Missed ~5 shots
	1745	3:20:10	1258							A/C	020° —
	[redacted]									A/C	000° —
	1935	3:50:12	[redacted]	2440	LAST	SHOT	OF	TAPE #		1258	
		[redacted]								[redacted]	

RECORDING LOG

R/V VEMA

Cruise:

BAHAMA BANKS

DFS IV
48 CHANNELS
Format: SEG B

Line: 351 351 CDP DISTANCE 18.5

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
JULY 31	000	21:46:24	1259	2280	20	4	12	4			
	0108	22:12:59	1260	2120							A/C 20° SHOT 57
	0213	22:56:43	1261	2120							
	0297	23:24:43	1261								774 SB # Launched -DOD
	0321	23:32:43	1262	2148							
	0391	23:59:23 00:00:00	1262								SB #77 Launched
6 NOV 32	428	00:08:23	1263	2135							
310	536	00:44:23	1264	2120							End Line 351
	580	00:57:23	1264								↓
			END	LINE	357						

RECORDING LOG

R/V ~~VEMA~~ Conrad

Cruise: RC23-11

Line: 352 CDP

BAHAMA BANK

Distance 7.2 Km

DFS IV 48 Channels

Format: Seg B

BPI: 1600

(26)

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	R/E	Comments
6 Nov 81	581	00:59:33	1265		20	4	12	4			Start New Line
310°			[illegible]	[illegible]							SB 77 OFF 01:13:00
	662	[illegible]									STARBOARD 25 [illegible] SPEAKERS
	755	01:38:17	1266	2060							MISSED 5 SHOTS
	795	2:14:00	1267	1960							SB 79 01:52:00 SHOT 731
	903	2:49:52	1268	1890							A/C 146° 02:57 SHOT 925
	1009	3:25:05	1269	1770							~~Delay changed to 1.0 sec~~ 5.0
	1110	4:00:35	1270	1620	20	4	12	1.0			
	1221	4:35:35	1271	1200				1.0			
	1329	05:10:50	1272	1260				1.0			Missed 78 & 80 Shots
	1436	05:50:30	1273	1276							SB 79 ON 05:35:40
DATA	~~1436 1430~~	HEAD	1/1301	1/2142	#3	3.5	#4	4.5	#5	3.0	11.6 1301 1412
	1541	06:29:30	1274	1500							A/C 120° 2014 57
	1648	07:05:00	1275	1332							Missed a few [illegible] Tape failed stop
	1722	07:30:05	1276	1343							
	1795	0755	1276								Sonobuoy #79 OK
	1503	0757	1276								A/C 152
	1829	08:06:00	1277	1342							
	1832	08:[illegible]	1278	1343							TAPE failed stop
	1876	0819:05	1278								A/C → 155°
	1916	08:39:00	1278					3			Problem → Noise
	1945	08:46:20	1279	1315							OK Sonobuoy. Ending Course.
	2000	09:23:50	1279								OFF DURING COURSE CHANGE

RECORDING LOG

R/V VEMA Cruise: [illegible] Line: [illegible] O.P [illegible] BAHAMA BANK Distance [illegible]

DFS IV SIO Land Format: SEG B BPI: 1600

Date	Shot Point #	Time	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
[illegible]	851	10:21:50	1280	1365	20	4	12	3			
	0100	10:54:43	1280	1370							SHOT #80A launched. DUD.
	050	11:57:03	1281	1300							
	196	11:25:03	1281								SHOT 80 ; aborted.
	213	11:32:23	1282	1365							
	320	12:08:03	1283	1360							
	426	12:42:23	1284	1355							
	519	13:18:40	1284								HEAD 204°
	533	13:[illegible]	1285	1355							
	639	14:[illegible]	1286	1400							SHOT 686 2 SEC. DELAY 14:09:44
	746	14:30:17	1287	1270	1454:40	→	→	→	→	→	14:54 SHOT 81 SHOT 822.
	852	15:06:08	1288	1250							
	959	15:41:37	1289	1298							
	1066	16:16:58	1290	1254							[illegible]
	066	16:16:59	1290								A/C to 219
	138	16:40:58	1290								Sonobuoy off #81
	173	16:52:28	1291	1267							
	279	17:27:41	1292								
	290	17:31	1292	→	"	"	"	0			change delay to zero.
	386	18:03:00	—	—	[illegible]						Missed a few shots.
	387	18:04:50	1293	27							
	461	18:27:10	1293			END	LINE				OFF END LINE

RECORDING LOG

(28)

MIAMI → JACKSONVILLE
BAHAMA BANK

R/V ~~VEMA~~ CONRAD
Cruise: RC23-11

DFS IV
48 channels
Format: SEG B

Line: 354 CDP DISTANCE _____ Km

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth Fathoms	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-06-82	1	18:30	1294	700	20	4	12	0.0			
310	107	19:23:45	1295	750	"	"	"	"			SHOT 132 - TAPE IS ADVANCED TO 1295
"	213	19:59:27	1296	725	"	"	"	"			1 shot missed
"	*	20:39:20	1296	1200	"	"	"	"			TAPE BROKE (5-6) / shots (5-6) missed
"	297	20:39:27	1297	1250	"	"	"	"			
	———	20:47:00	1297	———							LINE # CHANGED TO 354 AT 20:47:00.
	404	21:05:03	1298	1315							
	427	21:13:03	1298								Chg Delay → 2 sec
	510	21:40:23	1299	1273							
	515	21:42:03	1299								SB # 82 Launched
	617	22:16:03	1300	1270							
	723	22:51:23	1301	1282							SB # 82 Rec. 23:42:00
	830	23:27:03	1302	1325							
7 NOV 1982 -	935	00:02:03	1303	1340							
311	1024	00:31:23	1303								END OF LINE 354
		00:38:0									LINE TO 000 SEC DELAY

RECORDING LOG

(519)

R/V VEMA Cruise: MIAMI - JAX

Cruise: [illegible]-11 BAHAMA BANK

Line: 355 CDP Distance ~360 km.

*SEE NOTE

DFS IV
48 Channels
Format: SEG B
BPI: 1600

Date	Shot Point #	Time	Tape #	Depth FATHOMS	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
7 Nov. 1982	025	0031:42	1304		20	4	12.	0			~~Start line on tape from Fred Lamb~~
(311)		1:00									A/C → 290
		1:02									A/C → 298
	133	1:07:57	1305	1380							START LINE 355 SHOT 180
	[redacted]	1:30									A/C → 304
	240	1:43:40	1306	254fm [redacted] = 1524 FEET							
		1:51:00									A/C → 341
		1:54:00		[redacted]							Launched sonobuoy # [redacted] 83A
		2:13:16									sonobuoy in the air # [redacted] 83A
	344	2:18:34	1307	1390							
		2:20									A/C → 299
	450	2:54	1308	1390							
		3:06									A/C → 312
	557	3:29:30	1309	1390							
	663	4:04:30	1310	1390							
	770	4:40:27	1311	1390	20	4	12	0.0			TAPE ID ADVANCED TO 1501 NOT 1311
	879	05:16:30	1312	1500	20	4	[redacted]	3.0			MISSED 4-5 SHOTS (BAD TAPE REPLACED)
	—	05:35:00	1313	—							TAPE ID ADVANCED FROM 1302 → 1312
	985	05:53:49	1313	1390							
* 00:14	11/7/82	~~1501~~ 1512		NOISE ON STREAMER DUE TO							AC DC LEFT ON

RECORDING LOG

(30)

R/V ~~VEMA~~ CONRAD

Cruise: RC 23 11

Line: 356

C.D.P.

MIAMI → JACKSONVILLE
BAHAMA BANK
DISTANCE: 1682.1 Km

DFS IV
48 Channels
Format: SEG B
BPI: 1600

Date	Shot Point #	Time	Tape #	Depth FATHOMS	Pop Rate SEC	Samp. Rate MSEC	Rec. L. SEC	Trip Del.	O/D	P/E	Comments
11-07-82	91	06:09:05	1314	1500	26	4	12	0			NEW 2.0 MI
311	143	06:47:?	---	---	---	---	---	---	---		TAPE ADJUSTED COMPUTER CRASHED!
	144	06:55:48	1315	1300							
311	254	07:32:59	1316	1330							[redacted] (A/C 7231 at 0740) (A/C 7338 at 0805)
	[illegible]	08:08:30	1317	1400							
	458	08:44:15	1318	1413							
	524	09:19:23	1319	1411							
	600	01:48:03	1319								SB #83 Launched
	681	09:55:03	1320	1405							
	789	10:31:03	1321	1340							
	876	11:06:44	1322	1336							
	1005	11:42:44	1323	1354							
	1112	12:18:24	1324	1312							
	220	12:54:23	1325	1310							
	257	13:30:09	1326	1308							
		13:46:30	1326	1300							Dousing # 84 Launched
	435	14:11:20	1327								4 SHOTS MISSED
	525	14:47:20	1328	1316							[redacted] PARITY ERRORS
	641	15:23:53	1329	1240							
	718	15:55:36	1330	1170							
		15:59									A/C 3350
		16:01									A/C 3010
	828	16:22:?	1330		---	---	---	---	---	---	LAST SHOT ON TAPE 1330

RECORDING LOG

(31)

R/V VEMA

Cruise: RC2310

Line: 357 CDP

Miami → San Salvador

BAHAMA BANK.

Distance: —— km

DFS IV

24 channels

Format: Seg. S

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
Nov. 1, 1982 (305)	002	17:25:35	1331	1160		4		0			shotpoint #821 introduced to 2). Have c
311											Discrepancy w/ time logs. Tape Recorder reset.
311											0537 streamer straight. Tape backup
6 311 1	48	46:16	1332	1132							(A/C 283 at 0602) missed 1 shot
	125	812:20	S.B# 85								SB.# 85 Launched. Dud #
	155	821:55	1333	1167							A/C → 279 at 0629
	160		S.B# 87								Launch S.B.# 87 Dud 1853
	260	1856:56	1334	1157							
DC Offset Mode	011:33 /	012:47 /	013	32 /	014 45 /		015 32 /		016 33 /		INIT
	367	19:33:30	1335	1170							MISSED 2 SHOTS Trig: ED=1536 instead of 1538
		19:50									SB # 85 Fired
	419	19:53:00	1336	1150							TRY - 1 continued running - missed 2 shots
7.+ 5.2	527	20:04:43	1337	1110							
-	639	20:20:23	1338	1107	20	4	12	0			
	742	21:38:23	1339	1045							
	811	22:12:43	1340	1000							1 shot missed.
	955	22:50:	1341	995							First shot
	61	23:24:45	1342	975							
2. Nov 1982	109	00:00:43	1343	965							
(310).	276	00:36:23	1344								
=		1:13:	A/C								A/C → 275°
	385	1:18:00	1345	971							
	409	1:19:00	1345								Anchorage #85 Launch

REPRODUCE MYLAR MASTER AGAIN IN FINAL 15/12 EXT 54.

RECORDING LOG

R/V ~~VEMA~~ RECORD

Cruise: KN-233-11

Line: 851 CDP

Miami Fairbanks Bahama Bank Distance ___ km

DFS IV 4 Channels

Format: Seg R

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
8 DEC 82	483	1:41:12	1346	930							
(312)	500	2:06:00									S.B #85 — ~~1~~ OK, OK ?
	595	2:22:53	1347	920							
	700	2:58:11	1348	840							
	906	3:33:33	1349	180							
	911	4:08:33	1350	390							
	921	4:14:10	—	—	—	—	Start shot tape at 1350				

RECORDING LOG

(33)

R/V ~~VEMA~~ CONRAD

Cruise: RC23-11

Line: 358 CDP

Miami - Jacksonville
Bahama Bank
Distance ____ km

DFS IV 48 Channels
Format: Seg B
BPI: 1600

Date	Shot Point #	Time	Tape #	Depth Fathoms	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
START 52	200'	5:16:15	1351	980	26	4	12	0			
	106	05:31:07	1352		"	"	"	"			
DUPE	HEAD	011 30'	012	40'	PT3	37'	017	71'	DT5	32	DT6 31' TAIL
	213	06:26:45	1353	400	"	"	"	"	"		
	319	07:02:04	1354		"	"	"	"			Flat 406 start turn
	426	07:38:20									End of line 358

REDUCE GAINS. 15/12/54

RECORDING LOG

R/V VEMA RC 23-11

Cruise: MIAMI - VIX

Line: 150

BAHAMA BANK

(34)

CDP · Distance 54 km.

DFS IV 48 channel

Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
SWELL 62	001	8:39:16	1355	630	20	4	12	0			
(312)	107	9:14:23	1356	872							
	214	9:50:03	1357	930							
	320	10:25:23	1358	933							Profiler Paper ran + advancing
	427	11:01:03	1359	935							
	533	11:36:23	1360	935							
	623	12:06:23	1360								S.S # 86
	640	12:12:03	1361	924							
	746	12:47:23	1362								
	853	13:25:20	1363	810							13:36 END SB #56 SHOT 894
	958	13:58:20	1364	650							
	1053	14:28:25	—	—	—	—	—				Last SAT on Tape A 1364
											End of line at 5:57

RECORDING LOG

R/V VEMA

Cruise: RC 23-11

Line: 360 CDP

Miami - Jacksonville
Bahama Bank
Distance 78-3 Km

(35)

DFS IV 48 channel

Format: 16 bit

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
Nov 8 1984 DAY	000	15 22:15	1365								
	106	15 3:57:11	1366	640							
	213	7:43:59	1367	740							A/C → 246 at 1704.19
	334	17:2:49	1368	800							missed 5 shots.
	428	17 48:10	1369	826							A/C → 29 at 1804.33
	523	18:20:04	S.B. #87								S.B #87 Launched.
	533	1823:14	1370	840							
DEPTHS	MEAD	DT4-30'	DT2-42'	42'	DT3-38'		DT1-43'		DT5-31'		DT5-32' TAIL
	640	1859:00	1371	960							TAPE ADVANCED 4-57 SHOTS MISSED.
	686	19:17:47	1372	900							TAPE ID 1371 - NO ADVANCE
	793	19:54:53	1373	900							TAPE ID ADVANCED TO 1373. SHOTS MISSED (4)
	899	20:30:05	1374	900							
	1007	21:05:44	1375	842							
	1113	21:41:04	1376	835							
	1220	22:16:43	1377	815							
	0211	2235:43	1378	800'	20	4-	12	0			TPK! NO STOP ADVANCED (37)
	0378	23:11:23	1379	705							
	426	23:27:23	1379								End of Line 360

REP. MOD. GAIN 15/12/54

RECORDING LOG

(56)

R/V VEMA Conrad — Miami → Jacksonville — DFS IV VK Channel

Cruise: RC 23-11 — BAHAMA BANK — Format: Seg B

Line: 361 CDP — Distance _____ km — BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-09-82	001	0025:24	1380	725	20	4	12	6			Start Line 361. Cable Strung at 0025:24
(313)	030	00:35:24	1381	760							Tape # 1380 Abortion Missed 1 shot
	137	1:13:12	1382	745							Missed 5 shots
	240	1:48:10	1383	836							SB # 01:42:54 SHOT 329
	295	2:05:50	1383	940							SB # 88A died
	321	2:15:00	1383	840							SB # 88B Launched
	349	2:23:49	1384	654							[illegible]
		[illegible]									SB # 89 dead 02:40:50
		2:54:00									SB # 89A Launched
	454	2:58:50	1385	861							SB # 89B. Dead @ 3:20:34
	510	3:38:20	1386	875							
	605	4:00:13	1387	880							
	715	4:26:50	1387								Alt to 132°
	772	4:44:50	1388	886							[illegible]
	809	05:17:20	1388								Alt → 135°
	877	05:19:46	1389	900							
	946	05:42:43	1389								Alt. → 134
	984	05:55:20	1390	906	20	4	12	0			
	1090	06:30:20	1391	920							
	1103	0635:04									S.B # 89 Launched.
	HEAD DTI - 50	= 2 - 10°		#3 - 40	#4 - 48		#5 - 32		#6 - 52		TAIL.
	1196	07:05:46	1392	930							
	1301	0740:55	1393	936							

RKP 400 gains 15 11 15 7

RECORDING LOG

R/V VEMA CONRAD | Miami → Jacksonville | (37) | DFS IV UR channels

Cruise: pc. 2.3-11 | Bahama Bank | Format: SEG B

Line: 301 | CDP | Distance. —— km | 4-466" Air Guns | BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
Nov 9, 1983 (313)	1409	0816:50	1394	940	20	4	12	0			Alt → 130 at 0822/. Aborted Cont Run
	1443	0827:51	1395	946							
	1543	0903:00	1395								Sonobuoy #89 off
	551	0905:48	1396	946							
	656	0940:43	1397	950							
	763	1016:23	1398	950							TPX 1 Failed to stop. – 5 shots missed.
	827	10:40:03	1399	950							
	934	11:15:43	1400	966							
	040	11 50:43	1401	975							
	068	12:00:43	1401	975							S.E.FF. 90A Launched Dud cable all about 30 ft
	147	12:26:23	1402	975							
	221	12:53:23	1403	960							TPX 1 failed to stop 6 shots missed
		13:00:00									CYCLING CABLE TO 60' FW → * ←
		13:03:31									Alt to 145°
											cable now at 60, 60, 50, 55, 45, 35
	328	13:25:43	1404	985							
		13:41:00	1404								SB #90 13:41 SHOT 364
	440	14:03:15	1405	990							
		14:05:15	1406								4 shots missed
	452	14 13									cycle cable to 30 ft
	527	14:49:19	1406	1002							30, 45, 30, 35, 20, 30
	634	15:14:51	1407	1010							SB 90 END 15:30
	740	15:50:38	1409	1005							

RECORDING LOG

38

R/V ~~VEMA~~ Conrad — Miami → Jacksonville. Bahama Bank

Cruise: RC 23 11

Line: B61 . COF — Distance: ——— Km

4-446 Klitrons

DFS IV 48 ch.

Format: seg B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
Nov 9 1967	845	1625:50	1409	999	20	4	12	0			
		1640:00	1409								A/C 50 / 43
	903	1658:00									PROGRAM CRASHED
	905	17:15:00	1409								PROGRAM BACK UP
	953	17 31.00	1410	960							
	1061	18:06:40	1411	900							
	1143	18:34:00	1411								A/C → 141
	1147	18 42:45	1412	550	20	4	12	0"			
	275	19 18 06	1413	800	"	"	"	"			
	324	1935	1413								A/C — 7137
	385	1958	1414	TAPE	STOPPED						MISSED 10-12 SHOTS.
	3867	19 59 50	1414	600							TAPE STARTED AGAIN — E.T.
	483	20 32 23	1414	END	OF	LINE					Gaps at ends of tape.

RECORDING LOG

(39)

R/V ~~VEMA~~ GERAL

Cruise: 23-11

Line: 362. CDP

MIAMI → JACKSONVILLE
BAHAMA BANK

Distance: _____ Km

DFS IV
48 CHANNEL
Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-09-82	001	21:21:03	1415	525	20	4	12	0			NEW LINE
(315)	108	21:56:44	1416	615							
	DT'S -	1-29;	2-42;	3-28;	4-33;	5-19;	6-3h'			FLY AT 30'	
	216	22:32:44	1417	770							
	323	23:08:24	1418	858							SB # 23:12:47
	431	23:44:37	1419	860							
11-10-82 (314)	538	00:20:44	1420	780							3 shots missed
	645	00:58:04	1421	780							About 8 shots missed TP-1
	750	1:33:22	1422	760							SB#1 off 01:14:00
	857	2:08:09	1423	570							
	979	2:23:23	—	—	—	—					LAST SHOT on TAPE # 1423
											End of line 362

RECORDING LOG

R/V VEMA Conrad

Cruise: KC 23-11

Line: 363 CDP

Miami → Jacksonville

Bahama Bank

Distance ~ km

40

DFS IV 48 channel

Format: SEG B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-3-82	001	3:19:33	1424	610	20	4	12	0			
314	108	3:55:17	1425	860	"	"	"	"			4:07 AC → 053
	214	4:30:30	1426	950	"	"	"	"			
	320	5:05:48	1427	1000	"	"	"	"			TAPE ID OFF BY 1
	426	5:41:06	1428	1000	"	"	"	"			TAPE ID ADVANCED FROM 1426 → 1428
	A/C	5:42	1428	1500	"	"	"	"			A/C 056
	532	06:16:35	1429	1000	"	"	"	"			
	A/C	06:36:18	1429	A/C							A/C 049
	638	06:51:44	1430	1045							A/C → 046 at 0705
DEPTH HEAD	#1-22'	#2-40'	#3-30'	#4-35'	#5-20'		#6	28'	TAIL		DEPTH SETTING 30' Recorded as Line #362
	745	0727:30	1431	1105							A/C → 046 at 0746.
	851	0803:07	1432	1125							
	918	0825:04	1432	Sonobuoy		#93	Launched.				
	957	083840	1433	1050							
	063	0913:04	1434	950							
	170	0948:44	1435	990							SB #93 off @ 09:43
	275	10:23:44	1436	917							
		10:36	RECORDED	REC.	MODULE	GAIN	EXTERNAL	GAIN	TO 42 (from 54)		
	381	10:59:04	1437	930							
	485	11:33:44	1438	680							Sea State Vi Bad.
	592	12:09:24	1439	640							- all pts are recorded as line # 362.
	615	12:16	1439								Computer Down, guns not firing. adjusted to 363
	616	12:32									RACK ON

RECORDING LOG

R/V ~~VEMA~~ CONRAD

Cruise: RC23-11

Line: 363 CDP

Miami - Jax (Tampa?)
Bahama Banks
Distance: ____ km

(41)

DFS IV 48 Channel

Format: SEG-B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
10 NOV 1982	641	12:40	~~1339~~ 1340		20	4	12	0			~~Rate~~ Increase depth of ~~sled~~ eel to 50 ft.
@ 314	697	12:58:50	1440	1800							HEAD AND DEPTH OF EEL OK
	803	1:34:20	1441	2075							TOWING SPEED 4 - MAIN
	867	2:04:54	1442								BODY IS AT 20 FT
	973	2:40:10	1443	2045							14:49 A/C 031
	1060	3:15:40	1444	2140							
	1187	3:51:17	1445	2							
	1293	4:26:48	1446	2360							SB 94 16.28.10
	1400	~~03~~ 02:15	1447	2495							A/C 025 at 0921
	1506	~~03~~ 37:30	1448	2532							
	1612	~~08~~ 13:00	1449	2557							A/C 020 at 0817
	1717	1847:50	1450	2 ~~5~~ 70							A/C 017 at 1838
	1825	19:23:40	1451	2600							A/C 022 at 19:18
	931	19:59:03	1452	2630							
	039	20:35:05	1453	2608							MISSED 2 SHOTS.
	144	21:10:04	1454	2608							
	200	21:29:44	1454	2603	20	4	12	5			Delay changed to 5 sec - Bypass
	250	21:45:24	1455	2600							(Punched in at 0005 sec until shot 264)
	~~0000~~	~~[illegible]~~									~~[illegible]~~
	355	22:20:24	1456	2500							
	461	22:55:44	1457	2600							
	566	23:30:44	1458	2560							
	672	00:06:04	1459	2560							

RECORDING LOG

R/V ~~VEMA~~ Conrad

Cruise: RC23-11

Miami → Jacksonville (Tampa)

(42)

DFS IV 48 channel

Format: Seg B

Line: 363

CDP

Distance _____ km

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-11-82	777	00:41:04	1460	2560	20	4	12	5			
(315)	833	1:17:05	1461	2592							Missed 1 shot.
	954	1:45:20	1462	2542							Missed 6 shots.
	1061	2:20:31	1463	2545							
	82	2:27.4	1463								SP# 95
	1167	3:00	1464	2538							Missed 10 shots
	273	3:35:16	1465	2535							
	371	4:09:55	1466	2507							
	404	04:11:4	1466								Alt. 029°
	478	4:44:4	1467	2528							
	583	5:19:30	1468	2575							
	689	5:54:50	1469	2600							
	795	6:30:14	1470	2575							
	902	07:05:50	1471	2575							
	1008	07:40:50	1472	2600							
	114	08:16:10	1473	2600							
	161	08:31									Alt. 024°
	197	8:43:50	1474	2575	20	4	12	5			TPX1 FAILURE ABORTED 1473
	360	09:19:05	1475	2530							
	405	09:34:04	1476	2530							
	511	10:29:24	1477	2550							
	616	11:04:24	1478	2530							
	723	11:40:04	1479	2530							

RECORDING LOG

R/V ~~VEMA~~ Conrad

Cruise: RC23-11

Line: 363

BAHAMA BANKS

(3)

CDP

Distance _____ km

DFS IV 45 channel

Format: Seg B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	Q/D	R/E	Comments
11-11-82	828	12:15:04	1480	2520	20	4	12	5			
315	935	12:50:44	1481								
"	040	13:26:00									DOWN FOR MAINTENANCE & UPGRADE
ABANDONED	~~041~~	~~17:27:00~~	~~1482~~		~~20~~	~~4~~	~~12~~	~~5~~			~~MAINTENANCE COMPLETE~~
	058	14:37:12	1482	2592							
	164	15:08:52	1483	2612							
	269	15:44:24	1484	2618							Missed 1 shot
	376	16:19:00	1485	2650							
	481	16:55:00	1486	2685							1725 GUNS 2 & 3 OFF
	588	17:30:36	1487	2700							A/C → 018 at 1746
	693	18:05:30	1488	2715							
	791	18:41:00	1489	2700							
	905	19:16:22	1490	2700							1950 GUN 2 IN.
	15	19:55:54	1491	2800							MISSED 6-8 SHOTS TPX-1
	120	20:30:51	1492	2800							2100 GUN 2 ON AGAIN
	227	21:06:31	1493	2617							
	331	21:41:05	1494	2597	O.K						
	439	22:17:05	1495	2572							TPX-1 Runaway.
	476	22:31:05	1496	2575	O.K						2 shots missed
	582	23:06:30	1497	2500							
	689	23:42:04	1498	2500							
11-12-82	796	00:17:44	1499	2485							
(316)	901	00:52:44	1500	2460							

RECORDING LOG

R/V ~~Vema~~ Conrad

Cruise: RC23-11

BAHAMA BANKS

(44)

DFS IV 48 channel

Format: Seg B

Line: 363 CDP Distance ____ km

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	O/D	P/E	Comments
11-12-82	009	1:28:24	1501	2460	20	4	12	5			Missed 150 shotsline to be redone after
316	094	2:07:24	1502	2460							
		2:28:00	1503								A/C to 032
	202	2:43:23	1503	2450							
	308	3:18:39	1504	2443							
	415	3:54:18	1505	2440							
	521	4:29:42	1506	2440							
	628	5:05:15	1507	2435							
	734	5:40:38	1508	2435							
	840	6:15:[illegible]	1509	2430							
	946	6:51:00	1510	2440							[redacted]
	989	7:05:3[illegible]	1510	2440							A/C → 027
	29	718	1510				6				change recording length
	079	0735:18	1511	2441							to 6 sec
		0814					12				BACK TO 12.5 SEC REC.
	203	0816:30						0			Back to "0" sec. delay
	241	0829									↖
	243	0829:50	1512	2450			12				FIRST SHOT SONOBUOY
	350	0905:25	1513	2453							
	455	09:40:25	1514	2453							
		0941					6	5			CHANGE REC L & DELAY
	656	10:40:25	1515	2470							
	859	11:55:05	1516								

DEPTHS HEAD #1=15' #2=25' #3=45' #4=58' #5=50' #6=40' TAIL.

RECORDING LOG

R/V ~~VEMA~~ Conrad

Cruise: RC23-11

Line: 363

BAFFIN BANKS

(45)

CDP

Distance _____ km

DFS IV 48 Channel

Format: Seg B

BPI: 1600

Date	Shot Point #	Time	Tape #	Depth	Pop Rate	Samp. Rate	Rec. L.	Trip Del.	Q/D	P/E	Comments
11-12-82	0645	13:03:32	1516	2486	20	4	6	5			
316	119	13:21:59	1517								Turned on MC System.