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END GUA-2

CRUISE IG 24-4	LINE GUA-3	AREA-PROJECT GUATEMALA SLOPE MAT		DATE 25 APR 1977 115/77
SYSTEM DFS 10,000		BEGIN - TIME - DATE		END - TIME - DATE
		LAT. 12° N		
		LONG. 91° W		
		TAPE INFO: record length -		
		TAPE SPEED -- pack density -		
SOURCE 4 1500 cm air gun		SPL. RATE --		
		RECORD FILTERS HI-cut -		
		LO-cut - Slope - cont		
		SLOPE - Notch		
GEOPHONES		REMARKS		

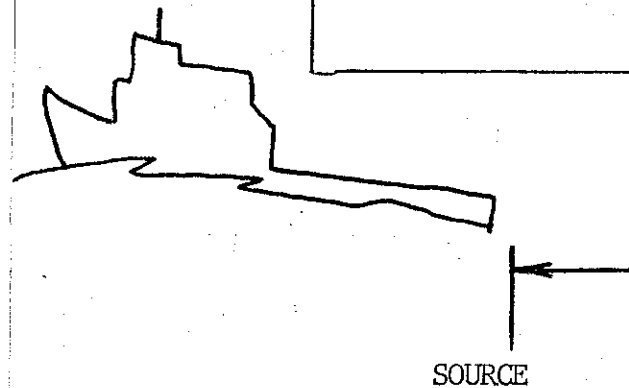


Diagram illustrating the bus structure for the CD and BIRDS signals. The bus is divided into two main sections: CD (Control Data) and BIRDS (Birds). The bus is numbered 24 down to 1 from left to right. The CD section is indicated by an arrow pointing to the left side of the bus, and the BIRDS section is indicated by an arrow pointing to the right side of the bus.

CRUISE				LINE				AREA-PROJECT				DATE																									
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	TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	5	16	17	18	19	20	1	2	3	4										5	6	INIT	RATE
01	1	5	5	6	2	4	4	0	3	9	4	4	6	7	1	0	3	0	7	78	100	56	77	13	120	4.0	12	24	22	3612	33	29	40	33	RC/RP - bad record		
02	1	5	5	7							4	4	0	9		1	0	3	1	0															continue		
03	1	5	5	9							4	4	1	4		1	0	3	1	5															RC/RP - repeat - OK		
04	1	5	5	9							4	4	1	6		1	0	3	1	6															continue		
05	1	6	3	7	2	4	4	0	3	9	4	5	1	6		1	0	4	6	1															END		
06	1	6	3	8	2	4	4	0	4	0	4	5	2	1		1	0	4	6	5	83	100	58	77	13	120	4	12	24	22	3597	34	23	32	80	RC/RP	
07	1	6	3	9	2	4	4	0	4	0	4	5	2	3		1	0	4	6	6															continue		
08	1	7	1	8							4	6	3	2		1	0	6	4	3															LS		
09					2	4	4	0	4	1	4	6	3	8		1	0	6	5	0															RC/RP		
10	1	7	2	2							4	6	4	0		1	0	6	1	1															continue		
11	1	8	0	1							4	7	4	6		1	1	0	2	2															end		
12	1	8	0	2	2	4	4	0	4	2	4	7	4	9		1	1	0	2	5															RC/RP did not find record no.		
13																																					
14											4	7	5	3		1	1	0	2	6																RC/RP garbage	
15	1	8	0	4							4	7	5	6		1	1	0	3	0															continue		
16	1	8	0	6							4	7	6	3		1	1	0	3	7															RC/RP OK.		
17											4	7	6	5		1	1	0	4	0															NO TB		
18	1	8	0	7							4	7	6	8		1	1	0	4	1															continue		
19	1	8	4	4	2	4	4	0	4	2	4	8	6	4		1	1	2	0	3															end		
20	1	8	4	6	2	4	4	0	4	3	4	8	6	8		1	1	2	0	4	83	100	60	77	13	120	4.0	12	24	22	3515	30	33	33	35	RC/RP	
21	1	8	4	6							4	8	7	0		1	1	2	0	5															NO TB		
22	1	8	4	7							4	8	7	1		1	1	2	0	6															Continue		
23	1	9	2	5	2	4	4	0	4	3	4	9	7	8		1	1	3	6	1															Last shot		
24	1	9	2	7	2	4	4	0	4	4	4	9	8	3		1	1	3	6	2	80	100	60	77	13	120	4.0	12	24	22	3683	41	40	37	39	RC/RP 1st shot	
25	1	9	2	8							4	9	8	5		1	1	3	6	3															No TB		

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CRUISE				LINE				AREA-PROJECT																DATE																							
24-4				GUA-3				GUATEMALA Slope																25-26 APR 1977 15/116/1977																							
TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.		REC. LGTH		FLD		REP. RATE		WATER DPTH (Fm)		REL FIRE TIMES				CONTINUITY OR LEAKAGE				REMARKS				OB INIT	
1 2 3 4				5 6 7 8 9 10				11 12 13 14				15 16 17 18 19 20				1 2 3 4 5 6				INIT RATE FINL		DEL.		LGTH		FLD		RATE		DPTH		TIMES															
0	1	22	16	24	40	47	54	44	1	2	2	5	4	81	100	63	77	13	120	4.0	12	24	22	36	75	30	34	38	30	Last shot																	
0	2	22	18	24	40	48	54	49	1	2	2	6	81	100	63	77	13	120	4.0	12	24	22	36	75	30	34	38	30	RC/RP - No camera record																		
0	3	22	19				54	52	1	2	2	6																		Continue Sonobuoy																	
0	4	22	21				54	58	1	2	2	7																		RC/RP																	
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0	6	22	34						1	2	3	15																		Stop																	
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1	1	22	43				55	17	1	2	3	40																		DPS working on																	
1	2	22	44				55	20	1	2	3	41																		stop OFS																	
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1	7	00	12				57	59	1	2	6	16																		CONT.																	
1	8	00	14				57	66	1	2	6	25				74														CHG Gains																	
1	9	00	28				58	04	1	2	6	71																		END																	
2	0	00	29	24	40	49	58	09	1	2	6	73	80	100	61	70	10	94	4.0	12	24	22	36	60	30	34	42	30	RC/RP																		
2	1	00	30				58	12	1	2	6	74																		Continue																	
2	2	01	11				59	20	1	3	0	47																		L.S																	
2	3	01	12	24	40	50	59	24	1	3	0	54	85	100	6	70	10	94	4.0	12	24	22	36	93	22	20	27	-	RC/RP 3 GUNS																		
2	4	01	13				59	26	1	3	0	56																		CONT Sonobuoy #35 begin 0124																	
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4	5	6	INIT	RATE	FINL	DEL.	LGTH	FLD	RATE	DPTH	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3</

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CRUISE				LINE				AREA-PROJECT												DATE																									
7624-4				GUA-8				Guatemala												JD 119 29 April 1977																									
TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.		REC. LGTH		FLD		REP. RATE		WATER DPTH (Fm)		REL FIRE TIMES		CONTINUITY OR LEAKAGE				REMARKS				OB INIT	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4	5	6	INIT	RATE	FINL	DEL.	LGTH	FLD	RATE	DPTH	Fm	26	28	26								
0	1	08	58	2	4	4	1	3	7	2	2	6		3	2	6	53	93	72	53	65	72	09	95	5.0	12	24	22	56	70	26	28	26					LS							
0	2	09	00	2	4	4	1	3	8	2	3	0		3	2	7																	28	29	27					RCRP					
0	3	09	01							2	3	3		3	3	0																								Continue					
0	4	09	40							3	4	0		5	0	3															31	32	31					LS short							
0	5	09	41	2	4	4	1	3	9	3	4	3		5	0	4	52	100	76	55	68	72	09	95	5.0	12	24	22	58	00	32	30	32					RCRP							
0	6	09	42							3	4	6		5	0	5															32	30	32					Cow							
0	7	09	43							3	4	7		5	0	6						70																	Δ initial						
0	8	09	44							3	4	9		5	1	0																							NOTB						
0	9	09	45							3	5	3		5	1	4							08	93															Δ rate						
1	0	10	21	2	4	4	1	3	9	4	5	1		6	5	6																							L.S.						
1	1	10	22	2	4	4	1	4	0	4	5	5		6	5	7	51	95	76	100	52	66	70	08	93	5.0	12	24	22	60	00	29	27	31					RCRP						
1	2	10	23							4	5	8		6	6	0																								CONT.					
1	3	10	37							4	9	5		7	1	5						70	05	100																					
1	4	11	01							5	6	1		1	0	2																							Δ GAIN						
1	5	11	02	2	4	4	1	4	1	5	6	4		1	0	3	56	100	81	100	53	64	70	05	100	5.0	12	24	22	58	39	29	31	25					L.S.						
1	6	11	03							5	6	7		1	0	3	2																							RCRP					
1	7																					72	05	103															Cont						
1	8	11	42							6	7	2		1	2	0	4																						changed gains						
1	9	11	44	2	4	4	1	4	2	6	7	6		1	2	0	7	52	99	79	100	54	65	72	05	103	5.0	12	24	22	59	00	30	41	32					L.S.					
2	0	11	45							6	7	9		1	2	1	0																							RC/RP					
2	1	12	23							7	8	4		1	3	6	2																						CONT.						
2	2	12	25	2	4	4	1	4	3	7	8	9		1	3	6	7	52	100	81	100	55	69	72	05	103	5.0	12	24	22	58	00	32	27	32					L.S.					
2	3	12	26							7	9	2		1	3	7	0																							RC/RP					
2	4	13	05	2	4	4	1	4	3	8	9	6		1	5	4	0																							CONT.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																			L.S.					

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CRUISE IC 24-4				LINE GUA-8				AREA-PROJECT GUA - MAT				DATE 29 April 77 (112)																						
TIME	REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										1	2	3	4	5
01	2	2	3	8							2	4	6	2																				
02	2	2	5	8							2	5	1	3																				
03	2	3	1	7	2	4	4	1	5	9	2	5	6	6																				CONT.
04	2	3	1	8	2	4	4	1	6	0	2	5	7	0																				N.T.B
05	2	3	1	8							2	5	7	1																				L.S.
06	2	3	1	9							2	5	7	1																				F.S.
07	2	3	5	7							2	5	7	1																				RORP
08	0	0	0	0	2	4	4	1	6	1	2	6	7	7																				CONT.
09	0	0	3	8							2	6	8	2																				L.S.
10	0	0	4	0	2	4	4	1	6	2	2	7	8	8																				F.S. - Continue (NO PAPER)
11	0	0	4	1							2	7	9	2																				L.S.
12	0	0	4	8							2	7	9	5																				RORP NO PAPER
											2	8	1	4																				CONT
																																		Turning 6 some into line
																																		GUA-9
13																																		
14																																		
15																																		
16																																		
17																																		
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END GUA-8

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CRUISE				LINE				AREA-PROJECT																DATE													
IG 24-4				GUA-10				Guatemala Slope "MAT"																JD 120 30 April 1977													
	TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)			TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES			CONTINUITY OR LEAKAGE	REMARKS	OB INIT			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3						4	5	6				INIT	RATE	FINL
01	21	42			24	41	84		5			3																						No TB			
02	21	42							7			5																							Δ RNDL gain		
03	22	04			24	41	84		67			101																						L.S.			
04	22	05			24	41	85		71			104	77	61	67	100	53	72	75	06	102						2619	33	35	31				RC/RP			
05	22	06							74			105																							Continue		
06	22	08							78			111							74	08	102	2.5	12	24	22										Change initial gain & gain rate		
07	22	12							145			214								09															inc. gain rate		
08	22	45							182			261																							L.S.		
09	22	48			24	41	86		187			263	78	64	66	100	56	70	74	09	102	2.5	12	24	22	2500	29	28	29						RC/RP		
10	22	49							190			264																							CONT.		
11	23	20							280			416										3.0													inc. trip delay		
12	23	28							298			440																							L.S.		
13	23	30			24	41	87		302			442	76	61	65	100	51	64	74	09	102	3.0	12	24	22	2810	29	34	28						RC/RP		
14	23	31							305			443																								Continue	
15	23	45							344			512										3.5													inc. trip delay		
16	MAY 00	11							413			617																								L.S.	
17	00	12			24	41	85		416			620	78	62	64	100	51	63	74	09	102	3.5	12	24	22	3285	29	37	28						RC/RP		
18	00	13							419			621																								Continue	
19	00	53							527			775																								L.S.	
20	00	54			24	41	87		531			777	74	64	66	100	51	62	74	09	102	3.5	12	24	22	3275	29	27	31						RC/RP		
21	00	55							534			1000																								Continue	
22	01	29							626			1132																								No T.B.	
23	01	34							641			1151																								L.S.	
24	01	35			24	41	90		645			1154	73	61	63	100	48	60	74	09	102	3.5	12	24	22	3440	28	30	35						RC/RP		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																	

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CRUISE					LINE					AREA-PROJECT															DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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		TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)			TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (FM)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3										4	5	6	INIT	RATE	FINL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0	1	0	6	2	8	2	4	4	1	9	6	1	4	4	0	2	5	7	0									34	30	33	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

CRUISE				LINE				AREA-PROJECT												DATE																
IG 24-4				GUA-10				Guatemala Slope "Mat"												May 1, 1977																
	TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE	REMARKS	OB INIT
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4						5	6	INIT	RATE			
01	09	21			244200					1914				3474														32	28	26		LS				
02	09	23			244201					1919				3475	60	60	64	-	5268	76	09	102	3.5	12	24	22	3450	33	28	27		RC/RP				
03	09	24								1922				3476																		Continue				
04	09	34								1950				3531																		No TB				
05	10	02								2027				3645														32	30	30		LS				
06	10	04			244202					2030				3646	60	60	63	-	5463	76	09	102	3.5	12	24	22	3475	30	30	32		RC/RP				
07	10	05								2037				3697																		CONT				
08										2040											08	100										Δ GAIN				
09										2043				3660																		No TB				
10	10	09								2045				3663																		OK				
11	10	44								2141				4022														30	32	29		LS				
12	10	46			244203					2145				4025	68	63	65		5062	76	08	100	3.5	12	24	22	3545	30	33	30		RC/RP				
13	10	47								2148				4026																		CONT				
14	11	22								2244				4147														27	27	28		LS				
15	11	24			244204					2249				4150	60	61	65	-	4962	76	08	100	3.5	12	24	22	3240	27	27	27		RC/RP				
16	11	25								2252				4151																		CONT.				
17	12	00								2348				4271														30	29	29		LS - short record				
18	12	01			244205					2351				4272	60	60	64	-	5262	76	08	100	3.5	12	24	22	3453	30	28	30		RC/RP				
19	12	02								2354				4273																		CONT				
20	12	42																																		

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	TIME	REEL				SH. PT	RECORD NO.				STRMER DEPTH				GAIN (db)			TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE	REMARKS	OB INIT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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CRUISE				LINE				AREA-PROJECT				DATE																												
JT 24-4				CVA-11				Gua Guada Slope M.A.T.				7 May, 77 (127)																												
	TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4										5	6	INIT	RATE	FINL		
01	1	6	0	7	2	4	4	2	1	4	1	0	6	1	2	0	0	0													LS									
02	1	6	0	8	2	4	4	2	1	5	1	0	6	4		2	0	0	3												RC/RP									
03											1	0	6	6		2	0	0	4												NO TB									
04	1	6	0	9							1	0	6	7		2	0	0	5												Continue									
05	1	6	3	5							1	1	3	7		2	1	1	3												Tac. Trip delay									
06	1	6	3	0	2	4	4	2	1	5	1	1	7	7		2	1	6	3												Last									
07	1	6	5	1	2	4	4	2	1	6	1	1	8	1		2	1	6	7												RC/RP NO RECD									
08	1	6	5	2							1	1	5	4		2	1	7	1												Cont									
09	1	7	3	1	2	4	1	2	1	6	1	2	9	0		2	3	4	3												Last									
10	1	7	3	2	2	4	1	2	1	7	1	2	9	1		2	3	4	7												RC/RP									
11	1	7	3	4							1	2	9	6		2	3	5	0	70	13	70	57	71	72	76	08	103	5	12	24	22	49	10	35	35	31	36		
12	1	8	1	3	2	4	4	2	1	7	1	4	0	3		2	5	2	3													Cont								
13	1	8	1	4	2	4	4	2	1	8	1	4	0	8		2	5	2	4	70	44	70	56	78	70	74	07	102	5	12	24	22	55	75	36	35	36	36		
14	1	8	1	5							1	4	1	1		2	5	2	5														RE/RP							
15	1	8	5	4	2	4	4	2	1	8	1	5	1	7		2	6	7	7													Cont.								
16	1	8	5	6	2	4	4	2	1	9	1	5	2	2		2	7	0	0	72	44	70	56	77	68	74	07	102	5	12	24	22	58	50	35	34	36	35		
17	1	8	5	7							1	5	2	5		2	7	0	1														RC/RP							
18	1	9	3	6	2	4	4	2	1	9	1	6	3	2		3	0	5	4													Cont.								
19	1	9	3	8	2	4	4	2	2	0	1	6	3	6		3	0	5	5																					

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Record Length

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IG 24-4				GUA-13				Guatemala Slope "MAT"												May 8, 1977								
	TIME	REEL				SH. PT	RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT	
		1	2	3	4		5	6	7	8	9	10	11	12	13	14	15	16										17
01	0959	2	4	4	2	38	382	555	52	48	74	57	80	74	77	08	91	5.0	12	24	22	5095	25	28	21	23	RC/RP - No good	
02	1000						385	556															25	26	22	23	RC/RP - good	
03	1001						388	557																			CONT	
04	1047	2	4	4	2	38	509	750																			L.S. MISSED 1 OR 2 SHOTS	
05	1048	2	4	4	2	39	514	754	52	44	71	58	78	68	77	08	91	5.0	12	24	22	6053	22	24	22	20	CONT. NO RC/RP	
06	1102						553	1022							77	10	94										Inc. gain rate	
07	1125						614								75												Dec. initial gain	
08	1127	2	4	4	2	39	621	1125																			L.S.	
09	1129	2	4	4	2	40	626	1127	52	46	71	58	78	69	75	10	94	5.0	12	24	22	5380	23	25	29	23	RC/RP	
10	1130						629	1130																			Continue	
11	1153						670								73	08	91										Reduced gains	
12	1208						732	1271																			L.S.	
13	1209	2	4	4	2	41	737	1276	53	45	71	58	80	70	71	09	91	5.0	12	24	22	4683	30	30	30	32	RC/RP - No gain change	
14	1210						740	1277																			CONTI	
15	1218						763								Missed shot			763			764						No T.B.	
16	1222						770								72	10	91										inc. initial gain + gain rate	
17	1225						780								Missed shot			780									No T.B.	
18	1250	2	4	4	2	41	848	1453																			L.S.	
19	1252	2	4	4	2	42	853	1456	53	47	73	58	80	70	74	10	91	5.0	12	24	22	4100	31	33	29	32	RC/RP - inc. initial gain	
20	1253						856	1457																			Continue	
21	1258						869	1475										4.5									Dec. trip delay	
22	1301						876								Missed shot												No T.B.	
23	1306						889								Missed shot												No T.B.	
24	1314						909								Missed shot												No T.B.	
		1	2	3	4																						No T.B.	

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CRUISE IG-24				LINE GUA-13				AREA-PROJECT Guatemala Slope "MAT"												DATE 8 May (128)																	
TIME	REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (m)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB. INIT								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										1	2	3	4	5	6	INIT	RATE
01	17	4	7	2	4	4	2	4	8	1	6	5	7	3	1	0	1	70	40	70	56	78	72	69	09	100	1.5	8	24	22	1665	26	26	30	27	RC/RP	
02										1	6	5	9	3	1	0	2																Cont				
03										1	7	5	9	3	2	4	6																NO TB				
04	18	4	5							1	8	1	6	3	3	3	6	70	10	100				1.5	8	24	22	1675	23	26	23	23	LS				
05	18	4	6	2	4	4	2	4	9	1	8	2	0	3	3	4	1											23	24	22	23	RC/RP					
06	18	4	7							1	8	2	2	3	3	4	2											23	24	23	22	Cont.					
07	19	4	4							1	9	7	6	3	5	7	4											27	30	28	28	NO TB					
08	19	4	6							1	9	8	4	3	6	0	3	70	43	72	57	80	73	70	10	100	1.5	8	24	22	1475	27	28	28	29	LS	
09	19	4	8	2	4	4	2	5	0	1	9	8	7	3	6	0	4											27	31	28	29	RCRP					
10	19	4	9							1	9	8	9	3	6	0	5																Continue				
11	19	5	0							1	9	9	4	3	6	1	2																Δ Final				
12	20	0	0							2	0	2	1	3	6	4	5																END OF LINE				
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IG 24-4				GUA-16				Guatemala Slope "MAT"												JD 130/77 10 May 77																	
	TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)			TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE	REMARKS	OB INIT		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3						4	5	6	INIT				RATE	FINL
01	06	51			24	42	81			0001				0001	60	44	72	57	80	83	71	10	93	25	10	24	23		48	47	45	41			RCRP - Street Gun-16		
02	06	52								0003				0002																					Continue		
03	07	00								21				23																					No TB		
04	07	25								87				125							73		95												Δ GAIN		
05	07	42								(127-134)				(175-202)																					No TB		
06	07	43								1347				2028							73	10	95	25	10	24	23	2635	-4237-					LS			
07	07	53			24	42	82			160				2066	140	70	58	77	72															only 2 guns			
08	07	54								162				207																					RC/RP Lost all guns		
09	08	20								257				346							← NO TB														Cont. (missed shots from)		
10	08	44								293				412																					135-159		
11	08	45			24	42	83			296				413	59	43	71	59	77	73	73	10	95	25	10	24	23	2825	3235					Port Compressor failure			
12	08	46								298				414																					RC/RP		
13	08	47								300				416							74													cont			
14	08	49								305				423																					Δ init. gain		
15	08	54								(318-19)				(435-36)																					No TB		
16	08	56								322				441																					No TB		
17	08	58								329				450																					No TB		
18	09	12								366				515											3.0										No TB		
19	09	34								423				605																					Δ trip delay		
20	09	35			24	42	84			426				606	60	48	73	59	78	72	74	10	95	3.0	10	24	23	2925	37	37	35	36			Last shot		
21	09	36								429				610																					RCRP sonobuoy begin		
22	10	26								558				1012																					Cont.		
23	10	27			24	42	85			561				1014	35	45	73	58	78	69	74	10	95	3.0	10	24	23	2830	32	32	31	31			Last shot		
24	10	27								563				1015							74														RCRP		
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TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.		REC. LGTH		FLD		REP. RATE		WATER DPTH (Fm)		REL FIRE TIMES				CONTINUITY OR LEAKAGE				REMARKS				OB INIT	
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0	4																																	End multichannel work													
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CRUISE 24-4				LINE refraction				AREA-PROJECT Guatemala MAT												DATE JD 140/142																					
TIME				REEL				SH. PT				RECORD NO.				STRMER DEPTH				GAIN (db)				TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE				REMARKS				OB INIT
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continue some TB's missed in line

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FS SONOBUOY 44

RC/RP

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END SONOBUOY REFRACTION

WORK FOR IG 24-4