CRUISE	LINE	AREA-PROJECT	DATE
I629-2	GUA-18	Guatemala	16 JUNE 78

SYSTEM		BEGIN - TIME - DATE	END - TIME - DATE
DFS 3	LAT.		
	LONG.		

TAPE INFO: record length - 10/12

TAPE SPEED -- pack density -

SPL. RATE -- 4 mil / 2 mil

RECORD FILTERS HI-cut - 62 Hz

LO-cut - out Slope -

SLOPE - Notch 60 Hz in

SOURCE

Maxipulse

GEOPHONES

REMARKS

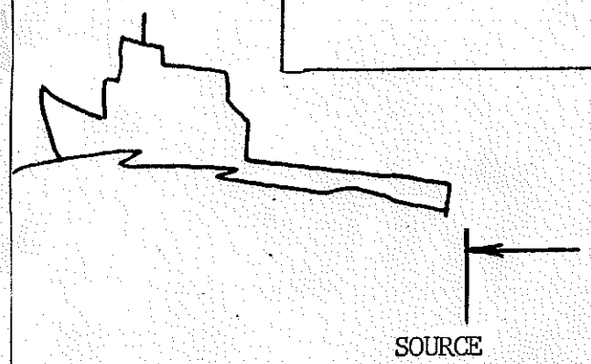
look for records with high initial gain for cable geometry

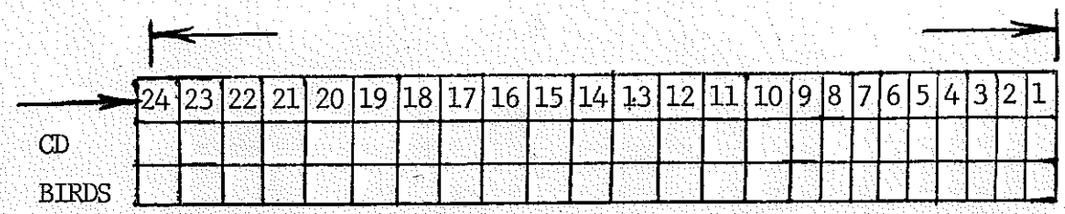
6 db internal gain

cable — leader
- dead
- strength
- strength

47 - live sections

Bubble on 25 + 26 through Rockland Filter 5 - 30Hz 40db gain





U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE:

LINE: GUA-18

AREA-PROJECT:

DATE: 16 JUNE 78

	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	[illegible]	292001		1											
02	1213			274	JUNK									Test - junk	
03	1214	292001	125	277						23				end (TDS)	
04			131	304										f/s	
05															
06			135	311											
07			143	321										s/s	
08			147												
09	1223		149	324										extra record	
10			151	326										extra record	
11			153	330											
12			154	331											
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											
13			155	332											
14			156	333										extra record	
15			157											missed primary trigger (PTS)	
16			158											missed PTS	
17			159	336											
18			160											PTS	
19			162	341										n.g. trigger	
20			163	342										n.g. pre-trigger DFS	
21			164	343										last shot	
22				344										NG shot	
23				345										no shot	
24				346										NO SHOT	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-18

AREA-PROJECT: Guatemala

DATE: 16 JUNE 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	GAIN (db) RATE	GAIN (db) FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01		292001		347												No shot	
02		292001		350												no shot	
03	1238	292001	190	351		0	fast	90	32	10	24	23				begin aging pre amp	
04	1239	292001	192	353	8 6 – 9 6 4 6	0	fast	90	32	10	24	23				monitor	
05	1247	292001	211	376												LS	
06	1248	292002	213	377	8 6 – 9 6 5 6											FS, monitor	
07	1251		220	406												LS stop recording	
08			224	407												continue	
09	1253		227	412												last shot	
10			229	413												continue	
11	1302		256	440								20				change flip rate	
12			291													missed shot	
13			292	510												continue	
14	1333	292002	344	574												LS	
15	1334	292003	347	575	8 5 – 9 6 4 0	0	FAST	90	32	10		20	140	MAXI-PULSE		FS	
16			351	600												monitor	
17			362	613						352						changed trip delay	
18	1402		429	717												Missed shot	
19	1415	292003	470	770												L/S	
20		292004	473	771	8 6 – 8 6 4	0	FAST	90		10	24	20	260	—		F/S	
21			492	1014												monitor	
22	1436	292004	530	1061												Missed shot	
23	1440		548	1103		0	FAST	90	565	10	24	20	322			Change Trip Delay	
24		292004	596	1162												L/S	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-18

AREA-PROJECT:

DATE: 16-6-78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1458	292005	599	1163										MAXI		F/S	
02			600	1165		0	FAST	90	568	10	24	20	364	PULSE		MONITOR	
03	1518		657	1256		0	FAST	90	1024	10	24	20				change trip delay	
04			659		80 56 - 88 70 55		(1630a)									missed shot	
05	1538	292005	720	1254												L/S	
06	1539	292006	722	1255	82 52 - 94 78 60	0	FAST	90	1024	10	24	20	448			F/S - Monitor	
07		292006	847	1551												L/S	
08	1622	292007	851	1552	85 60 - 98 89 65	0	FAST	90	1004	10	24	20	571			F/S - MONITOR	
09			903	1636					1764							chg trip delay	
10			929	1670					2016							chg trip delay	
11			937	1701					32							" "	
12			943	1706					1760							" "	
13	1706	292007	982	1752												LS	
14		292008	985	1754												FS	
15			994	1765												change gain constant switch back to 36db	
16			1068	2077					1600			change trip					
17																missed couple shots	
18			1078	2104												continue	
19	1751	292008	1116	2152	84 65 - 100 95 70	0	FAST	90	1600	10	24	20	680	—		LS	
20		292009	1120	2153										source depth 30'		FS	
21	1753		1122	2155												monitor	
22			1194	2265					1952							change trip	
23			1200	2273						12						change rec length	
24	1833		1242	2344												LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: GUA-~~17~~ 18

AREA-PROJECT:

DATE: 16 JUNE 78

	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	1834	292010	1246	2345	Start	2 mil		12	24	20				F/S new data set 2 mil	
02	1851	292010	1298	2431										L/S	
03	1852	292011	1302	2432	84 64 – 93 86 66	0 FAST 90		12	24					F/S monitor	
04	1853		1305	2435			2176							change trip	
05			1343	2503			0							"	
06			1344	2503			2176							"	
07	1910		1355	2517		2 mil data								LS	
08	1912	292012	1360	2520										FS	
09			1363	2523			1952							change trip	
10			1389	2555		48	Trip delay			DELAY only					
11			1393	2561			2016							change trip	
12			1396	2564			1984							change trip	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											
13			1404	2574			2208								
14	1930		1412	2604										LS	
15		292013	1416	2605										FS	
16							2720		AUTO	mode				change trip	
17			1460	2661	82 60 – 94 85 65	30 Fast 90		12	24	20				change initial gain	
18	1948		1468	2671										LS	
19					Change to 4 mil data										
20	1949	292014	1472	2672		Start 4 mil data								FS 4 mil data	
21			1474	2674										monitor	
22			1487			4 mil data								missed shot	
23			1488	2711										continue	
24			1518	2746			3040								
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											

MAXI PULSE

U.T.- M.S.I. GEOPHYSICS LABORATORY — D.F.S. LOG — 6 km/crust — PAGE 6 OF 59

CRUISE: IG-29-2 | LINE: GUA-18 | AREA-PROJECT: GUATEMALA | DATE: 16 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	2626	292014	1583	3046		BEGIN				2-MIL			DATA			LS	
02	2627	292015	1586	3047	82 58 - 96 86 66	30	Fast	90	3040	12	24	20	1180			FS monitor	
03			1613	3102					3072							change trip	
04	2046	292015	1641	3136												LS	
05	2047	292016	1645	3137												FS monitor	
06	2106	292016	1702	3230		Maxipulse										LS	
07	2107	292017	1707	3231												FS monitor	
08	2125	292017	1759	3316	84 54 - 90 92 66	30	FAST	90	3584	12	24	20		MAXIPULSE		LS	
09	2126	292018	1763	3317												FS	
10	2127	18	1766	3322									1360			monitor	
11	2144	18	1816	3403												LS	
12	2144	292019	1818	3404												FS	
13	2145	19	1821	3407												Monitor	
14	2158		1828	3416					4064							change delay	
15	2202		1870	3470												LS	
16						BEGIN			4-MIL				DATA				
17	2203	292020	1873	3471												FS	
18			1875	3473												monitor	
19	2239	20	1983	3646												LS	
20	2240	21	1986	3647												FS	
21	2241	21	1987	3650	84 60 - 98 96 66	30	Fast	90	4064	12	24	20				Monitor	
22	2316	21	2092	4021	86 63 - 90 50 70	30	fast	90	4064	12	24	20				LS	
23	2317	22	2097	4023												FS	
24	2318	22	2100	4026												Monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: 1629-7

LINE: GUA-18

AREA-PROJECT: Guatemala

DATE: 16/ June 17, 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	2353	29 26 2 2	2206	4117												LS Short Rec	
02	2354	23	2208	4200												FS	
03	2355	23	2210	4202												Monitor	
04	0052	23	2320	4355												LS	
05	0033	24	2323	4356	85 62 - 100 96 69	30	FAST	90								FS Monitor	
06	0052	24	2380	4447												DUD	
07	0117	24	2457	4530												LS	
08	0118	29 20 25	2460	4531	55 60 - 95 80 62	30	FAST	90								FS - Monitor	
09	0138		2516	4621												DUD	
10	0155	29 20 25	2569	4706												LS	
11	0156	29 20 26	2573	4706												FS	
12	0156	29 20 26	2574	4707												Monitor	
13	0232	29 20 26	2681	5063												LS	
14	0233	29 20 27	2684	5064	84 61 - 94 80 56	30	FAST	90	4064	12	24	20	2790	MAXI		FS, monitor	
15			2728	5036												DUD	
16	0309	29 20 27	2791	5237												LS	
17	0310	29 20 28	2795	5240									2366			FS monitor	
18			2883	2886												3 Duds	
19	0346	29 20 28	2903	5412									2205			LS	
20	0341	29	2908	5413									2206			FS Monitor	
21	0423	29	3015	5567												LS	
22	0424	29 20 30	3018	5570									2125			FS	
23	0425	30	3021	5573												Monitor	
24	0500	30	3126	5743												LS Short Rec	

CRUISE	LINE	AREA-PROJECT	DATE
IG 29-2	GUA-19	Guatemala	17 June 78

	BEGIN - TIME - DATE	END - TIME - DATE
LAT.		
LONG.		

SYSTEM

DFS-3

TAPE INFO: record length -

TAPE SPEED -- pack density -

SPL. RATE -- 4 mil

RECORD FILTERS HI-cut - 62 Hz

LO-cut - out Slope -

SLOPE - Notch 60 Hz

SOURCE

MAXI PULSE

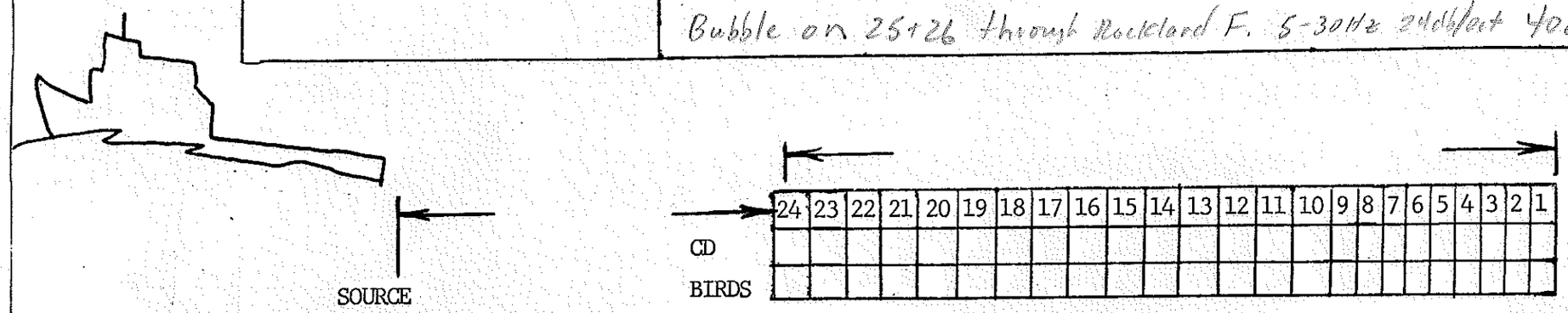
GEOPHONES

REMARKS

Navy Sonobuoy on channel 28 through Rockland filters 5-30 Hz → gain

cable - leader
1-dead (100m or 50m?)
~~2-~~ 1 steak
47-live

Bubble on 25+26 through Rockland F. 5-30 Hz 24db/oct 40db gain



U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-19,20

AREA-PROJECT: Guatemala

DATE: 17 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0753	292031	2	1						12						FS	
02	0754		5	4												Sonobuoy #4	
03	0802		20	23												First shot SB #5	
04	0813		40	47	82 58 - 52 53 46	30	fast	90	Auto	12			2290			sonobuoy #6	
05	850	292031	109	154												L/S	
06	852	292032	112	155												F/S	
07	853		115	166	86 53 - 90 58 48	30	fast	96	Auto	12	12	32	2225			monitor	
08			189	271						14						chg. REC. LGTH	
09			210	320						15						chg. REC. LGTH	
10		292032	216	324												L/S short REC.	
11	949	292033	218	325	80 59 - 89 73 50	30	fast	90	AUTO	15	12	32	2192			F/S MONITOR	
12	1008		255	372												LS for sonobuoy #6	
	1234	5678	12 13 14	15 16 17 18 19 20													
13	1302		287	374	BEGIN LINE GUA-20					15	15					FS	
14	1302	292033	288	375						12	12					change record length	
15	1308		298	407	BEGIN SONOBUOY #7											FS sonobuoy #7 dud	
16	1309		299	410												continue	
17	1333	292033	345	466												L/S	
18	1334	34	347	467												F/S	
19	1334		348	470		30	fast	90	AUTO	12	12	32	3286	Maxi-Pulse		Monitor	MB.
20	1425		443	627						15						15 sec record	
21	1431		453	641												L/S	
22	1432	392035	455	642	80 55 - 76 55 41	30	fast	90	Auto	15	12	32	3216			f/S monitor	
23	1517	35	541	767	79 56 - 82 58 43	30	fast	90	auto	15	12	32	2991			L/S	
24		392036	543	776												f/S Monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY — D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-20, 21, 22 Sonobuoys 8-9

AREA-PROJECT: Guatemala

DATE: 17 June 78

	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
01	1534	392036	571	1024										LS END LINE GUA-20	
02	1722	392036	568	1025		END Sonobuoy				#	7			FS	
03	1723	392036	570	1027		BEGIN LINE GUA-21		12			2800			FS — Sonobuoy 8	
04	1744	392036	607	1075										Monitor	
05	1759	392036	639	1133							2796			LS	
06	1801	392037	640	1134							2800t			FS	
07	1802	392037	641	1135							2740			Monitor	
08	1833	37	701	1227										LS	
09	1837	37	708	1230										FS	
10			713	1235										change record length	
11	1903	37	757	1277				15						LS	
12	1904	38	759	1300										FS	
13	1905	38	760	1301										Monitor	
14	1950	38	847	1426										LS	
15	1951	39	848	1427										FS	
16	1952	39	851	1432				~~12~~						Monitor	
17			861											Missed Shot	
18	1959		862	1444										continue	
19	2000		864	1446										LS SB 8	
20				1447				12						Testing Sonalert	
21				1450											
22	2048		954	1451		BEGIN LINE GUA-22								FS change amp 22 - ph 45 amp 23 - ph 46	
23	2049	392039	956	1453										FS SB 9 phone 47 ng	
24	2105		985	1510	6 6 3 3 — 3 5 4 2 4 6	30 FAST 90	4064	12	32			MAXI		monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-22, 23, 24 Sonobuoys 9+10+11

AREA-PROJECT: Guatemala

DATE: 17 JUNE 78 18

	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	2135	292039	1041	1600			4064	15	12	32		MAXI		LS	
02	2136		1043	1601										FS	
03	2136	292040	1044	1602	8 54 - 49 50 46	30 FAST 90								monitor D-wave gord	
04	2145		1062	1624										LS SB-9	
05	2307		1214	1625										FS SB-9A	
06	2309		1216	1627		END	LINE		GUA-22					stop firing SB-9A off the air	
07	2351		1296	1630		BEGIN	LINE	15	GUA-23					FS, continue	
08			1297	1631				12						change record length	
09	2352		1299	1633										FS SB 10	
10	0033	40	1376	1750										LS	
11	0034	292041	1378	1751	86 62 - 92 76 56									FS Monitor	
12	0048		1403	2002										change record length	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											
13	0123	41	1469	2103										LS	
14	0124	292042	1441	2104							2100			FS/Monitor	
15	0150		1520	2165		END	LINE		GUA-23					LS SB-10 finish transmission	
16	0305	292042	1661	2166		BEGIN	LINE	12	GUA-24					FS, continue	
17	0306	42	1664	2171										FS-SB-11	
18	0316	42	1669	2176							1600			Monitor	
19	0328	42	1704	2241										LS	
20	0329	292043	1707	2242							1630			FS/Monitor	
21	0416		1795	2372				15						change Rec Len	
22	0425	292043	1810	2411										LS	
23	0425	44	1812	2412										FS/Monitor	
24	0459		1874	2510		END	LINE	15	GUA-24						
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: GUA-25 Sonobuoys 12-14

AREA-PROJECT: GUATEMALA

DATE: 18-6-78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0549	292044	1967	22511	BEGIN LINE GUA-25											FS continue	
02	0550		1969	2513												Sonobuoy 12 FS	
03	0551	292044	1972	2516	80 40 20 55 54 50	30	fast	90	4064	12	12	32	1870	Maxi pulse		monitor	
04	558	35	1985	2531												problems with bunche	
05			1988														
06				2532												no shot	
07				2533												no shot	
08				2534												no shot	
09				2535												no shot	
10				2536												no shot	
11				2537												no shot	
12				2540												no shot	
13	0601		2001	2541												combine	
14			2002													problems	
15				2542												no shot	
16				2543												no shot	
17				2544												no shot	
18				2545												no shot	
19		292044		2546												L/S	
20	0622	45	2030	2447												F/S Restart Tx	
21	0624	45	2032	2552	78 58 28 90 74 56	30	fast	90	4064	12	12			Maxi-Pulse		Sonobuoy 13 start - Monitor	
22	0721		2139	2724												L/S	
23		292046	2143	2725												F/S monitor	
24	0724		2146	2730												begin Sonobuoy 14	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-25, -26 Sonobuoys 14-15

AREA-PROJECT: Guatemala

DATE: 18 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0733	292046	2163	2751	8 5 1 8 6 5 / 8 5 5 2 4 0	30	fast	90		12	18	32				monitor	
02			2171													missed tape drive problem	
03	0738		2172	2761		Sonobuoy 14										continue	
04	0804		2220	3041												continue	JWL
05	0821	292046	2253	3102		Maxipulse										LS	
06	0822	292047	2255	3103		bubble detector #1 looks bad										FS	
07			2256	3104												monitor	
08	0826		2263	3113		42										Δ INITIAL GAIN	
09	0827		2265	3115	8 5 1 8 5 4 / 2 6 6 8 9 2	54							1800			Δ INITIAL GAIN	
10	0837		2283	3137						15						Δ record length	JWL
11			~~2348~~														
12			2348														
13	0912	292047	2349	3241												LS	
14	0913	292048	2351	3242												FS monitor	
15	0945		2411	3336		END LINE GUA-25										LS sonobuoy #14	
16	1227		2411	3343		← stopped shot counter										Begin shooting	
17	1 1		2413	3345		BEGIN LINE GUA-26											
18	1229		2416													sonobuoy #15 over side	
19			2426			change sonobuoy gain from 20 to 6 db											
20	1242	292048	2440	3400						12						LS	
21	1243	292049	2442	3401												FS	
22		292049	2443	3402		54			4064							monitor	
23			2460	3423		change sonobuoy gain from 6 – 20 db											
24			2467	3432		30			3046							Δ initial gain & trip delay	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: I629-2

LINE: GUA-26,27 Sonobuoys 15-18

AREA-PROJECT: Guatemala - Sonobuoys

DATE: 18 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1303	292049	2478	3445		24	Fast	90	2184	12	12	32	1200			Δ trip delay	
02	1322		2523	3522						15						Δ record length	
03	1337		2543	3546												LS	
04	1338	292050	2545	3547	8 5 1 9 7 5 / 0 5 8 5 6 5											FS monitor	
05			2591	3625												MISSED SHOT	
06	1425	292050	2631	3675												C/S	
07	1426	292051	2634	3676	8 5 1 8 7 5 / 0 5 5 3	24	fast	90	2184	15	12	32	1080			F/S monitor	
08			2643	3707												LS sonobuoy #15	
09	1432		2645	3711												sonobuoy #16 over side	
10	1452		2684	3760												Last shot Launcher problem	
11	1517		2730	3762												continue	
12	1523															first shot sonobuoy #17	
13	1546	51	2783	4047												LS tape	
14	1546	292052	2785	4050	8 0 5 6 - 9 2 8 5 5 /	24	Fast	90		12	12	32	1102			FS monitor	
15	2		2788	4053					1011							Δ trip	
16			2859	4162						15						change rec length	
17	1627		2862	4165												continue	
18	1640	292052	2885	4214												LS	
19	1641	292053	2888	4215												FS	
20			2889	4216												monitor	
21	1727	292053	2973	4342		END LINE 12 GUA-26										LS Sonobuoy 17	
22	2035	53	3326	4351		BEGIN LINE GUA-27										FS	
23	2035	53	3328	4353												FS Sonobuoy 18	
24	2041	53	3338	4365	7 5 5 7 - 5 8 5 1 4 2 /	24	Fast	90	32	12			68			Monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-27 Sonobuoys 18-19-20-21

AREA-PROJECT: Guatemala - Sonobuoys

DATE: 18 June 78 - 19 June 78

	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	2107	292054	3387	4446	72 35 — 57 53 44	18 FAST 90	672	12	12	32	70	MAXI		change trip	
02	2110		3391	4452			1024							"	
03	2127	54	3425	4513										LS	
04	2128	292055	3426	4514							74			FS	
05	2129	55	3427	4515	73 59 — 56 55 45									Monitor	
06			3493											missed ?	
07			3498	4617										continue	
08	2225	292055	3533	4666										LS	
09	2226	56	3536	4667										FS Bad Shot	
10	2227	56	3537	4670							150			Monitor	
11	2240	56	3560	4717										LS Sonobuoy 18	
12	2240	56	3561	4720										FS Sonobuoy 19	
13	2257	292056	3591			24 FAST 90		12	12	32				missed shots, begin	
14	2259		3597	4756										continue	
15	2327	292056	3649	5042										LS	
16		292057	3652	5043	80 52 38 60 48 39	24 FAST 90		12	12	32	360	MAXI		FS	
17	0022		3753	5207										LS Sonobuoy 19	
18	0023	292057	3755	5211										FS Sonobuoy 20	
19	26	57	3759	5213										LS	
20	0027	292058	3761	5214										FS	
21	0028	58	3763	5216							540			Monitor	
22	0033	58	3773	5232										LS Sonobuoy 20	
23	0034	58	3775	5235										FS Sonobuoy 21	
24	0045	58	3795	5260										LS Sonobuoy 21 / FS 22	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: Sonobuoy 22 Gua 27-28

AREA-PROJECT: Guatemala

DATE: 19 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0124	292058	3868	5371												LS	
02	0125	59	3871	5372												FS	
03	0126	59	3873	5374	8/64 – 12/53 40								950			Monitor	
04	0131	292059	3892	5419												LS Sonobuoy 22	
05			3918	5452					2048							change delay	
06			3927	5462					1536							"	
07	0222	292059	3977	5543													
08	0223	292060	3980	5544	78 56 27 35 62 49	24	FAST	90	1536	12	12	32	800	MAKT		LS	
09	0233	292060	3998	5566			End	Line		Gua-27						FS monitor	
10	0604	60	0001	0001			Begin	Line		Gua-28						LS End of line	
																FS "	

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	Gua-28	Guatemala	6-19-78

	BEGIN - TIME - DATE	END - TIME - DATE
LAT.	0604 6-19-78	
LONG.		

SYSTEM: DFS-3

TAPE INFO: record length - ~~15~~ 10

TAPE SPEED -- pack density -

SPL. RATE -- 4 mil

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60Hz ?

SOURCE: 3-Airguns

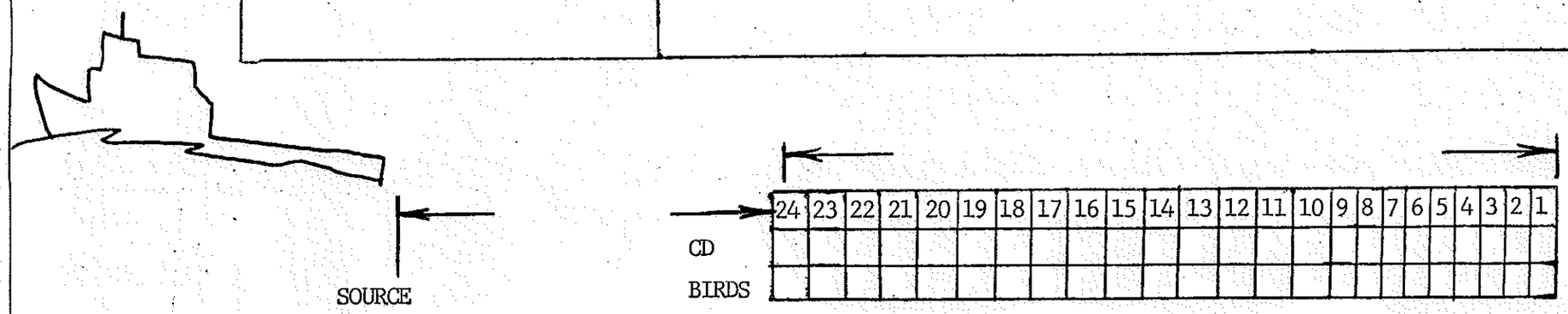
GEOPHONES

REMARKS

using even phones except for amp trace 7 = phone ~~17~~ 15 instead of ~~16~~ 14
amp trace 24 = phone ~~49~~ 47 instead of ~~48~~ } 47 trace streamer

teledyne streamer on channel 28 through Rockland filter 5-30Hz, 20db

cable - leader
dead
2-streach
47-live



U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: Gua-28,29

AREA-PROJECT: Guatemala

DATE: 19 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0604	292060	60 01	0001	82 56 - 97 90 85				768							F/S, continue Line Gua 28,	
02			38	46		30	FAST	90	768	10	24	20		- 22 22 22			
03	0639	292060	104	150												LS	
04	0640	292061	108	151	85 58 - 10 93 68	30	FAST	90	768	10	24	20		21 20 21		FS - monitor	
05			201	306					2048							change delay	
06	0723	292061	236	351												LS	
07		292062	239	352	85 62 - 98 90 63	30	FAST	90	1280	10	24	20	800	- 21 21 21		FS, monitor	
08			254	371					1024							trip delay	
09	0745		303	452		LAST SHOT				GUA 28						GUA 28 END	
10			304	453		FIRST SHOT				GUA 29						GUA 29 BEGIN	
11			329	504					512							change delay	
12	0806	292062	366	551					256							L/S	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20													
13	0806	292063	369	552	80 56 - 85 79 54	30	FAST	90	256	10	24	20	320	- 24 24 -		F/S MONITOR	
14			407	620					128							Δ Trip. Delay	
15	0850	63	499	751												L/S	
16	0851	292064	501	752	82 60 - 98 82 51	30	FAST	90	128	10	24	20	300	06 20 21		F/S Monitor	
17		292065	628	1151												LS	
18			631	1152												FS	
19	0935	292065	633	1154	86 60 - 100 86 55	30	FAST	90	128	10	24	20	180			monitor	
20			670	1220					64							change trip	
21	1016	292065	757	1347												LS	
22	1017	292066	759	1350												FS	
23			760			30	FAST	90	64	10	24	20	100			~~monitor~~ missed shot	
24			762	1351									100			~~continue~~, monitor	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20													

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-29,30

AREA-PROJECT: Guatemala

DATE: 19 June 78

	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			76 3	1352			32							Chg TRIP DEL.	
02		3920666	887	1546										L/S	
03	1100	3920667	890	1547	90 94 – 100 100 75	30 FAST 90	32	10	24	20	93			F/S MONITOR	
04	1143		1018	1747										L/S	
05	1144	2920668	1021	1750	89 90 – 100 79 74	30 FAST 90	32	10	24	20	105			F/S monitor	
06	1159		1066	2025			224							4 trip delay	
07	1227	2920668	1150	2151										L/S	
08	1228	2920669	1154	2152		30 FAST 90								F/S	
09	1229	69	1155	2153	94 95 – 100 100 75	30 FAST 90	32	10	24	20	110			MONITOR	
10	1310	2920669	1277	2350								– 16 21 24		L/S shot rock	
11	1311	2920670	1281	2351	80 89 – 98 98 73						110	– 16 22 24		F/S monitor	
12	1328		1332											missed	
13			1333											missed shot	
14	1329.20		1335	2434									38 30 44	continue	
15	1337.40		1360											missed shot	
			1361												
16			1362	2465										continue	
17			1363											missed shot	
18			1364	2466										continue	
19	1339.20		1365	2467										continue	
20	1355	2920670	1413	2547		END GUA-29						20 22 24		L/S	
21	1356	71	1415	2550		BEGIN GUA-30					50	21 22 24		F/S monitor	
22	1437	2920671	1541	2746								27 22 25		L/S shotrock	
23		72	1543	2747										F/S	
24	1442		1554	2756	84 84 – 78 81 58						90			monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: GUA 30

AREA-PROJECT: Guatemala

DATE: 19 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1510	292072	1634	3071	87 65 - 98 84 59	30	fast	90	0	10	24	20	39			changed trip delay	
02	1523		1677	3144												LS	
03	1524	292073	1680	3145	82 63 - 92 85 60											FS monitor	
04	1606	292073	1806	3343									39	- 22 23 80		LS short rec	
05	1609	292071	1809	3344	84 59 - 92 76 54	30	fast	90	0	10	24	20		- 21 22 80		FS monitor	
06		74	1932	3537										- 18 18 19		LS short record	
07			1934	3540												FS (bad record?)	
08			1935													missed shot	
09	1649	292075	1936	3541	80 60 - 97 80 56								39			monitor	
10	1731		2002	3740										21 18 20		LS	
11	1733	292076	2065	3741												FS (- bad record?)	
12			2067	3743	80 61 - 97 79 54								40			monitor	
13	1815	292076	2194	4142										80 20 20		LS	
14	1816		2196	4143												FS	
15	1819	77	2207	4156												monitor	
16		77	2325	4344										21 20 21		LS	
17	1900	78	2327	4345									38	21 19 21		FS monitor	
18	1904		2346	4362					128							changed trip delay	
19	1941	78	2453	4543												LS	
20	1941	79	2455	4544												FS monitor	
21																shot missed?	
22	1952		2482	4676									71			continue	
23	2024	79	2583	4742					6					14 22 23		LS	
24	2625	80	2585	4743	85 63 - 99 79 65								75			FS monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: GUA 30-31

AREA-PROJECT: Guatemala

DATE: 19 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01		29208C	2674	5074		30	fast	90	0	10	24	20					
02																	
03	2055		2675	5075													
04	2108		2712	5141													
05	2109	29208 1	2715	5142		END LINE GUA-30										LS	
06	2151	81	2841	5341		BEGIN LINE GUA-31										PS monitor	
07	2152	29208 2	2846	5347	8562-9793											LS	
08			2894	5422										18 20 21		FS/Monitor	
09	2234	29208 2	2972	5536												Missed Shots	
10	2235	83	2976	5537										21 01 18		LS	
11	2330	83	2977	5540										22 22 24		FS	
12	2317	29208 3	3101	5733									68			Monitor	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												L/S	
13	2318	29208 4	3105	5734													
14	2319	84	3106	5735	8060-8470	30	fast	90	0	10	24	20	55	21 01 01		F/S airgun fire control problems	
15	0001	29208 4	3233	6134												MONITOR many random fires	
16	0002	85	3236	6135												LS	
17	0003	85	3238	6137										19 01 01		FS Missed Shot	
18			3246													Monitor	
19			3283	6213												Missed Shot	
20	0045	29208 5	3363	6332													
21		29208 6	3365	6333												LS	
22			3367	6334												FS short record	
23			3393													monitor	
24	0127	29208 6	3490	6526										01 01 01		Missed Shot	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: Gua 31/32

AREA-PROJECT: Guatemala

DATE: 20 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	01 28	29 20 87	34 96	65 27									20	13 01 01 01		FS / Monitor	
02	0137		35 21	65 60		END	LINE						GUA	— 31			
03			35 22	65 61		BEGIN	LINE						GUA	— 32			
04	02 12	29 20 87	36 27	67 31													
05	02 13	88	36 29	67 33										04 04 04		LS	
06	02 14	88	36 31	67 35										04 04 04		FS ~~Monitor~~	
07			36 51											04 04 04		Monitor	
08			36 56													Missed Shot	
09	02 59	29 20 88	37 67	71 25												" "	
10	03 00	89	37 69	71 26										18 ~~00~~ 15 19		LS	
11	030		?											17 — 16 21		FS	
12			~~37 96~~	~~71 60~~												Monitor	
13			38 01	71 65													
14																last shot ?, airgun	
15			38 04	71 66												work	
16	03 42	29 20 89	38 95	73 21												continue	
17	03 43	90	38 98	73 22												LS	
18	03 44	90	39 03	73 27										— 21 21 21		FS	
19	04 24	29 20 90	90 22	75 16									40	21 21 22		Monitor	
20	04 25	91	90 27	75 17												LS	
21	04 26	91	90 28	75 20												FS	
22	05 08		41 53	77 15									45	28 22 22		Monitor	
23	05 10	29 20 92	41 57	77 16	82 56 — 93 79 54 24		fast	90	0	10	24	20	65	— 26 21 22		LS	
24	05 52		42 84	01 15												FS monitor	
																LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: GUA-32

AREA-PROJECT:

DATE: 20 JUNE 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1	2	3	4	5	6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES			CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0553	292093	4287	0115							24	FAST	90	–	10	24	20	270	– 29	22	22		FS, monitor	
02	628		4392	2664																			L/S Line GUA-32	
03	658		4393	2665																			F/S LINE GUA-33	
04	638	93	4419	3118																			L/S	
05		292094	4424	3119																			F/S	
06	641	292094	4431	3217	84	57	–	68	68	45								132					Monitor	
07	720		4549	5114																			L/S	
08	721	292095	4332	5116														65	22	23	22		F/S Monitor	
09	806		4686	7113																			L/S	
10	807	292096	4688	7114														66	22	23	22		F/S Monitor	
11	0849		4815	1113																			L/S	
12	0850	292097	4818	1114	83	56	–	18	91	62	24	FAST	90	0	10	24	20	62	– 23	23	22		F/S, monitor	
13			4826	1122																			NO T/B	
14	0933	292097	4947	1312																			L/S	
15	33	292098	4949	1313	83	55	–	97	93	66	24	fast	90	0	10	24	20	65	22	24	23		F/S Monitor	
16	1015	98	5074	1509																			L/S	
17	1016	292099	5077	1511	80	53	–	95	91	64	24	fast	90	0	10	24	20	65	23	24	23		F/S Monitor	
18	1058		5203	1706																			L/S	
19	1059	292100	5205	1707	85	56	–	100	100	86	24	fast	90	0	10	24	20	68	22	23	24		F/S Monitor	
20	1141	100	5331	2105																			L/S	
21	1142	101	5333	2106	85	56	–	100	100	86	24	fast	90	0	10	24	20	69	25	24	24		F/S	
22	1121	101	5459	2303																			L/S	
23	1122	102	5463	2304	82	–	95	87			24	FAST	90	0	10	24	20	70	26	24	23		F/S MONITOR	
24	1367	292102	5570	2503																			L/S Short rec	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: TG 29-2

LINE: GUA 33

AREA-PROJECT:

DATE: 20 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1308	29 21 03	5572	2504	82 51 - 93 97 67	24	Fast	90	0	10	24	20	70	22 23 23		FS Monitor	
02	1349	29 21 03	5718	2703	80 57 - 92 97 71									24 23 23		LS	
03	1350	29 21 04	5720	2703									70	23 23 24		FS Monitor	
04	1433	29 21 04	5848	3103										23 23 23		LS short	
05	1434	29 21 05	5851	3104	83 65 - 97 98 74								70	23 23 22		FS monitor	
06	1516	29 21 05	5977	3302										29 22 23		LS (short rec.)	
07	1517	29 21 06	5979	3303	81 61 - 94 96 65								70			FS	
08	1559	29 21 06	6105	3501												LS	
09		29 21 07	6107	3502												FS - not good	
10			6108													last shot	
11	1600	29 21 07	6109	3503	75 60 - 80 60 39								69			monitor	
12	1642	07	6234	3700										29 22 22		LS short record	
13	1642	08	6236	3671	76 55 - 79 59 37								66			FS monitor	
14	1724	29 21 08	6362	4077										28 23 22		LS short	
15	1725	29 21 09	6364	4100									70	32 24 23		FS monitor	
16	1808	29 21 09	6492	4300	79 56 - 77 53 35									29 22 24		LS	
17	1808	29 21 10	6494	4301									71	28 22 24		FS monitor	
18	1851	29 21 10	6621	4500												LS short	
19	1852	29 21 11	6623	4501	80 55 - 81 55 39	24	Fast	50	0	10	24	20	70	- 80 28 80		FS monitors	
20	1935	29 21 11	6752	4702										19 22 18 -		LS	
21	1935	29 21 12	6754	4703	79 59 - 74 54 53								110	18 19 18 -		FS monitor	
22	2017	12	6881	5102										24 29 23		LS - sprains	
23	2018	13	6883	5103									170	26 80 ? -		FS monitor	
24	2102	13	7011	5303										17 21 19 -		LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: GUA 33

AREA-PROJECT: Guatemala

DATE: 20 June 1976 / 26 June 78

	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
01	2102	292114	7013	5304		INIT 24 RATE Fast FINL 90	0	10	24	20				FS	
02			7014	5305	8560-7854 37						420			Monitor	
03	2143	14	7139	5502								17 19 20		LS	
04	2144	292115	7143	5503								17 20 18		FS/Monitor	
05			7239											Missed Shots (47)	
06			7247	5632										Continue	
07	2231	292115	7284	5677								19 20 19		LS	
08	2232	292116	7289	5700										FS Bad Shot	
09	2234	16	7290	5701	8264-7954 34						244	19 19 19		Monitor	
10	231	16													
11	2316	292116	7415	6077								18 21 20		LS	
12		292117	7424	6100										FS short	
13	2319	292117	7426	6101										Continue	
14	2324		7439	6116										monitor	
15	0000	17	7550	6274								23 25 21		LS	
16	0001	18	7555	6275	8060-9056 30							22 25 20		FS	
17	0023	18	7611	6376							161	23 24 20		Monitor	
18	0030	18	7640	6425	End Line Gua-33							25 23 20	36 42 1 / 39 44 43	LS	
19														Experimentation	
20					Begin Line Gua-34										
21	0042		1	1										Begin line	
22	0052	292118	0031	0037								24 23 20		LS	
23	0054	19	0035	0040							142	26 27 22		FS/Monitor	
24	0057	19	0051	0044										Shot/Shot	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: Gua-34/35

AREA-PROJECT: Guatemala

DATE: June 21, 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0135	29 21 19	0161	0235										80 21 23		LS	
02	0137	20	0164	0236	1857-6551 41	30	Fast	40	0	10	24	20	195	24 24 25		FS/Monitor	
03	0218	20	0289	0435										24 23 26		LS	
04	0219	29 21 21	0292	0434										23 25 25		FS	
05	0220	21	0293	0435									170	16 30 25		Monitor	
06	0229	21	0320	0470	End of Line Gua-34											LS	
07	0230	21	0321	0411	Beginning of Line Gua-35											FS	
08	0302	29 21 21	0418	0636												LS	
09	0303	29 21 22	0421	0631									170	25 22 23		FS - Monitor	
10	0343	22	0544	1023										24 22 24		LS	
11	0345	29 21 23	0548	1024	8455-8610 54								87	22 21 23		FS Monitor	
12	0426	23	0673	1221										24 21 23		LS	
13	0427	29 21 24	0676	1222										24 25 22		FS	
14	0428	29 21 24	0679	1225									253	24 21 23		Monitor	
15	0509	29 21 24	0805	1420												LS	
16	0510	29 21 25	0805	1421	8257-9080	30	FAST	90	0	10	24	20	360	23 21 24		FS MONITOR	
17	52		0930	1616										25 23 21		L/S	
18	0553	29 21 26	0934	1617	8255-9075	30	FAST	90	0	10	24	20	370	25 23 21		F/S MONITOR	
19	0636	29 21 26	1060	2015												L/S	
20	0636	29 22 27	1063	2016	8458-9960	30	FAST	90	0	10	24	20	230	26 26 25 24		F/S MONITOR	
21	0718		1187	2212												L/S	
22	0719	29 22 28	1190	2213	8556-9958	30	FAST	90	0	10	24	20	122	25 25 25		F/S MONITOR	
23	0801	29 22 28	1316	2411												L/S	
24	0802	29 22 29	1320	2412												F/S MONITOR	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: LG29-2

LINE: GUA-35

AREA-PROJECT: GUATEMALA

DATE: June 21, 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1	2	3	4	5	6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0802	2921 29	1321	2413	72	60	-	78	85	61	30	FAST	90	0	10	24	20	82	23	21	23	80		MONITOR	
02	0814		1356	2451																				Missed Shots	
03	0846	2921 29	1452	2611																				LS	
04	0847	2921 30	1455	2612	73	60	-	99	84	60	30	FAST	90	10	10	24	20	45	80	24	24	-		FS, monitor	
05	0927	2921 30	1580	3007							30	FAST	90	0	10	24	20	98	23	26	24	-		LS	
06	0930	2921 31	1583	3010	82	60	-	80	88	62	30	FAST	90	0	10	24	20	98	23	25	23	-		F/S MONITOR	
07	1012	2921 31	1710	3207																				LS	
08	1013	2921 32	1712	3210	83	56	-	89	88	63	30	FAST	90	0	10	24	20	34	22	26	23	-		F/S Monitor	
09	1055	32	1838	3406																				LS	
10	1056	33	1841	3407	86	67	-	-	62	60	30	FAST	90	0	10	24	20	30	23	27	25	-		F/S Monitor	
11	1138	2921 33	1968	3606																				LS	
12	1139	2921 34	1972	3607	72	54	-	90	84	64	30	FAST	90	0	10	24	20		23	22	21	-		FS, monitor	
13	1223	39	2101	4010																					
14	1224	2921 35	2104	4011	80	58	-	91	79	59	30	FAST	90	0	10	24	20		26	23	24			L/S	
15	1306	2921 35	2232	4211															26	23	21			F/S Monitor	
16	1307	2921 36	2234	4212	84	55	-	96	74	50								28	26	23	21			LS	
17	1349	2921 36	2359	4407																				F/S monitr	
18	1349	2921 37	2361	4412																				LS	
19	1432	2921 37	2488	4607														30	26	23	22			FS monitor	
20	1432	2921 38	2490	4610	79	55	-	97	81	62														LS Short record	
21	1514	2921 38	2616	5006														30						FS Monitor	
22	1515	2921 39	2620	5007	82	60	-	98	88	55									24	22	21			LS Short	
23	1558	2921 39	2746	5205														30	25	21	21			FS monitor	
24	1557	2921 40	2748	5206																				LS Short	
																								FS - NO TB	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: GUA-35

AREA-PROJECT: Guatemala

DATE: June 21, 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1559	29214 0	2794	5207	63 60 – 48 82 54	30	Fast	90	0	10	24	20	30			monitor	
02	1640		2874	5404												LS	
03	1641	29214 1	2877	5406									32			FS monitor	
04	1703		2941	5506												LS GUA-35	
05				New	Line begins at next shot												
06																	
07					TRM-1												
08	1718	29214 1	2974	5507		30	fast	90	0	10	12	32	32	14 80 15 22		FS TRM-1	
09	1722		2982	5517								30	30			Change Repiate	
10	1745	1996	3030	5577												LS	
11	1745	29214 2	3032	5560		36	fast	90	0	10	12	27	32	18 15 20 33		FS monitor	
12	1842		3156	5774												LS	
13	1841	29214 3	3158	5775		30	fast	90	0	10	12	27		13 16 11 22		FS monitor	
14	1941	29214 3	3286	6175												LS	
15	1941	29214 4	3288	6176										22 23 21 22		FS monitor	
16	2037	29214 4	3414	6373										23 80 23 25		LS shot	
17	2038	29214 5	3416	6374	72 60 – 54 72								27	21 80 22 21		FS monitor	
18	2136	45	3544	6574										24 80 25 25		LS	
19	2137	29214 6	3547	6575										24 80 25 25		FS	
20	2138	46	3548	6576									27	24 80 25 25		Monitor	
21	2133	46	3670	6770									25	23 80 27 25		LS	
22	2134	29214 7	3673	6771										23 80 26 25		FS	
23	2135	47	3674	6772									25	22 80 26 25		Monitor	
24	2329	47	3797	7165												LS	
		48														FS MONITOR	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: TRM-1/2

AREA-PROJECT: Guatemala

DATE: 6-21-78/6-22-78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	2330	29121 48	3800	7166	74 71 - 54 49 90	30	Fast	90	0	10	12	27	23	80 80 24 26		FS/Monitor	
02	0027	48	3925	7363									22	23 80 23 23		LS	
03	0028	29121 49	3928	7364	80 61 - 84 71 3									22 80 23 23		FS/Monitor	
04	0046	49	3967	7432		End Line TRM-1										LS	
05	0047	49	3968	7433		Begin Line TRM-2										FS	
06	0125	29121 49	4054	7561										80 80 80 80		LS	
07	0126	29121 50	4057	7562										80 80 17 18		FS	
08	0128	50	4060	7565									24	80 80 12 20		Monitor	
09			4132													missed shot	
10			4133	7675												continue	
11	0226	29121 50	4188	7761										80 80 17 18		LS	
12	0227	51	4190	7762									28	11 80 14 20		FS/Monitor	
13	0324	29121 51	4316	1160									31	24 80 25 26		LS	
14	0325	52	4319	1161	80 55 - 105 134									25 80 25 26		FS/Monitor	
15	0424	52	4449	3557									43	21 80 21 80		LS	
16	0425	29121 53	4452	3560										20 80 21 80		FS	
17	0427	53	4457	3565										26 80 24 80		Monitor	
18	0521	53	4578	5556										21 80 22 80		LS	
19	0522	29121 54	4580	5557	72 55 - 81 59 39	30	FAST	90	0	10	12	27	65	22 80 23 80		FS/Monitor	
20	0619	29121 54	4705	754												LS	
21	0619	29121 55	4706	755		30	FAST	90	0	10	12	27	80			FS, monitor	
22			4710	14711										20 - 21 -		missed shots	
23			4711	757												continue	
24	0719	29121 55	4840	1154												LS	

CRUISE	LINE	AREA-PROJECT	DATE
I629-2	TRM-3	Mexico Shelf	22 June

	BEGIN - TIME - DATE	END - TIME - DATE
LAT.		
LONG.		

SYSTEM

DFS-3

Binary Gain

TAPE INFO: record length - 10

TAPE SPEED -- pack density -

SPL. RATE -- 4

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

SOURCE

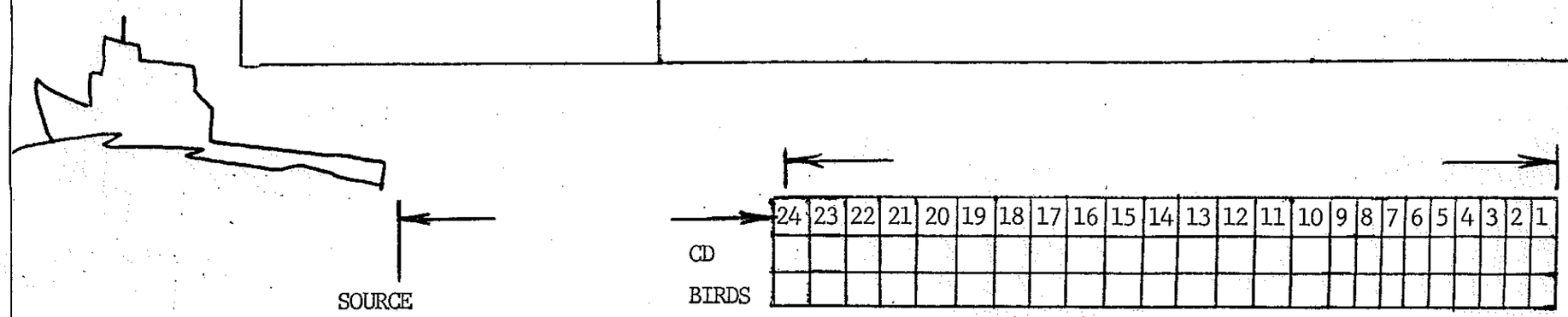
3 airguns

365 psi

GEOPHONES

REMARKS

see TRM-2 for geometry



U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: TRM-2

AREA-PROJECT: Mexico Shelf

DATE: 22 JUNE 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0720	292156	4843	1155	7 8 5 6 - 8 1 5 5 3 5	30	FAST	90	0	10	12	27	92	20 22 20		FS MONITOR	
02	0803		4937	1313				END	TRM-2							END TRM-2	
03	0803		4938	1314			BEGIN	TRM 3								BEGN TRM-3	
04	0817	292156	4969	1353												LS	
05	0817	292157	4971	1354	7 4 4 9 - 5 8 5 2 3 0	30	FAST	90	0	10	12	27	100	22 18 22		FS monitor	
06	0915	292157	5097	1552	7 5 5 4 - 8 6 5 7 3 8								76			LS	
07	0916	292158	5099	1553		30	FAST	90	0	10	12	27	75	21 23 23		FS monitor	
08		292158	5223	1747												LS	
09	1013	292159	5225	1748	7 5 5 4 - 8 2 5 4 2 5	30	FAST	90	0	10	12	27	50	26 27 27		FS monitor	
10			5266													missed shot	
11			5267	2020												continue	
12		292159	5352	2146												LS	
13	1110	292160	5354	2147	8 0 5 9 - 8 1 5 5 3 5	30	FAST	90	0	10	12	27	38	80 26 21		FS	
14		292160	5482	2347												LS	
15	1210	292161	5484	2350	8 0 6 0 - 9 0 7 0 5 0	30	FAST	90	0	10	12	27	30	23 24 24		FS MONITOR	
16	1306	292161	5611	2547												LS	
17	1307	292162	5613	2550		30	Fast	90	0	10	12	27	30	20 22 21		FS Monitor	
18	1404	292162	5739	2746										21 22 20		LS	
19	1405	292163	5741	2747	8 6 5 7 - 9 7 9 3 6 7								25	20 22 20		FS monitor	
20	1501	292163	5867	3145										15 25 19		LS shot	
21	1502	292164	5869	3146	7 9 5 5 - 7 7 5 7 4 2								22	18 22 20		FS monitor	
22	1517	292164	5901	3206												LS of TRM-3	
23	1517	292164	5902	3207			New Line									FS of TRM-4	
24	1600	292164	5998	3347	7 3 5 6 - 6 0 6 0 3 2	30	fast	90	0	10	12	27	24	20 20 19		LS	

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	TRM-4	Mexico Shelf	22 JAN 78

SYSTEM		BEGIN - TIME - DATE	END - TIME - DATE
DPS 3	LAT.		
binary gain	LONG.		

TAPE INFO: record length - 10

TAPE SPEED -- pack density -

SPL. RATE -- 4

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

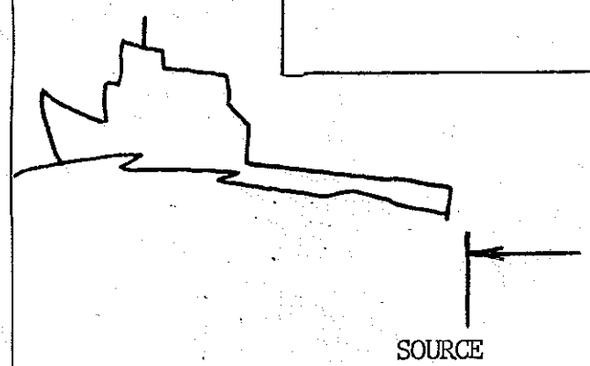
SOURCE

3 Bolt Airsum
365 psi

GEOPHONES

REMARKS

see TRM-3 for geometry



	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CD																								
BIRDS																								

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: TRM-4

AREA-PROJECT: Mexico Shelf

DATE: 22 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1607	2921 65	6000	3350	73 56 - 60 50 32	30	fast	90	0	10	17	27	24	20 21 18		FS monitor	
02	1659	2921 65	6128	3550										17 20 20		LS	
03	1700	2921 66	6130	3551	77 62 - 86 62 74								27	15 20 19		FS monitor	
04	1758	2921 66	6256	3747										20 21 21		LS	
05	1757	2921 67	6258	3750	69 56 - 84 63 40								29	18 20 21		FS monitor	
06	1855	2921 67	6386	4150										24 19 21		LS	
07	1855	2921 68	6388	4151	76 60 - 85 64 46								32	23 21 24		FS monitor	
08	1953	2921 68	6516	4351										22 22 21		LS	
09	1954	2921 69	6518	4352	79 54 - 85 57 43								39	19 20 20		FS monitor	
10	2051	2921 69	6645	4551										20 19 21		LS	
	2052	2921 70	6647	4552	80 54 - 74 59 46								74	21 19 22		FS monitor	
12	2151	2921 70	6776	4753												LS	
13	2151	2921 71	6778	4754													
14			6805													FS monitor	
15			6806	5005												missed	
16	2251	2921 71	6912	5151												continue	
17	2252	2921 72	6917	5152									102	23 23 25		LS	
18	2312	6958	missed	shots										80 22 24		FS/Monitor	
19	2314	45	6964	5225												missed shots ~6	
20	2353	2921 72	7050	5346												continue	
21	2354	2921 73	7052	5347										17 15 19		LS	
22	0052	73	7181	5550									130	17 15 18		FS/Monitor	
23	0053	2921 74	7184	5551									130	20 19 19		LS	
24	0152	74	7313	5751										20 16 19		FS/Monitor	
														23 80 21		LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: TG29-2

LINE: TRM-4

AREA-PROJECT: Mexican Shelf / Oaxacan Slope

DATE: 6/23/78

	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	0153	2971 75	7315	7752	7153-90 65 47	30 Fast 90	0	10	12	27	127	23 80 19 -		FS/Monitor	
02	0252	76	7445	6147								23 80 24 -		LS	
03	0252	2921 76	7447	6150								23 80 24		FS Bad Shot	
04	0253	76	7448	6152							135	23 80 21		Monitor	
05	0350	76	7574	6347								14 - 15 80		LS	
06	0351	2921 77	7577	6350							97	15 - 15 80		FS/Monitor	
07			missed	shots										missed 2 shots	
08			7654	6454										continue	
09	0438		7681	6507						28				change rep. rate	
10	0452	2921 77	7712	6546										LS	
11	0453	2921 78	7714	6547							117	17 - 16 19		FS/Monitor	
12	0553	2921 78	7843	6747										LS	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											
13	0554	2921 79	7845	6750	78 55 - 80 70 40	30 FAST 90	0	10	12	28	140	20 - 20 20		FS, monitor	
14		79	7973	7150										LS	
15	0655	2921 80	7975	7151	73 54 - 79 58 32	30 FAST 90	512	10	12	28	300	22 - 19 21		FS, monitor	
16			7984	7163			256							change delay	
17		2921 80	8103	7351										L/S	
18	0755	2921 81	8105	7352	83 62 - 93 67 47	30 FAST 90	256	10	12	28	340	22 - 20 80		F/S, MONITOR	
19			8147											MISSED SHOT	
20			8148	7423										CONTINUE	
21		2921 81	8234	7552										L/S	
22	0857	2921 82	8238	7553	78 54 - 78 58 36	30 FAST 90	256	10	12	28	330	80 80 18 16		F/S, MONITOR	
23	0956	2921 82	8363	7750										L/S	
24	0956	2921 83	8367	7751	78 56 - 82 68 50	30 FAST 90	256	10	12	28	392	19 80 20 17		F/S, MONITOR	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20											

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	TRM-5	OB X 20 N	23 June 88

SYSTEM		BEGIN - TIME - DATE	END - TIME - DATE
DFS-3 binary gain	LAT.		
	LONG.		

TAPE INFO: record length - 10.

TAPE SPEED -- pack density -

SPL. RATE -- 4

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

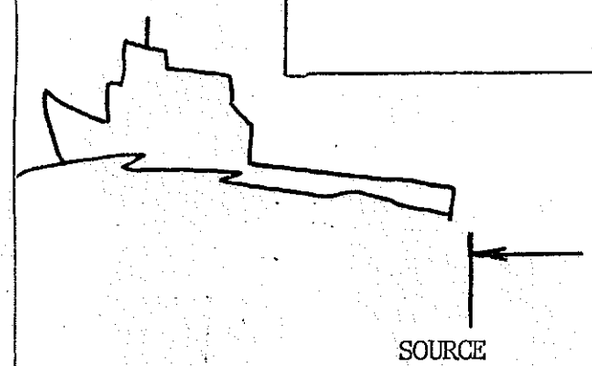
SOURCE

3 Bolt airguns 365 psi

GEOPHONES

REMARKS

see TRM-4 for geometry



	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CD																								
BIRDS																								

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: TRM-5

AREA-PROJECT: OZXZON

DATE: 23 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1009	292183	8374	7760			START		OF	LINE		TRM-5				begin TRM-5	
02		292183	8491	145													
03	1058	292184	8494	146	26 56 - 93 72 51	30	FAST	90	770	10	12	28	~500	80 - 26	80	LS, compressor down last half of type	
04			8509													FS, monitor, compressor down	
05	1105	84	8510	165												MISSED SHOT	
06	1155	292184	8619	341												CONTINUE	
07	1156	292185	8621	343												LS	
08	1254		8744	536												FS	
09	1255	292186	8746	537												LS	
10	1317		8772													FS monitor	
11			8972													missed shot?	
12	1351	292186	8874	0735												missed shot?	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20										20 - 22 ?		LS short	
13	1355	292187	8876	0736		30	Fast	90	768	10	12	28	570	16 - 19 ?		FS monitor	
14	1402	292187	8892									27				Δ rep rate	
15	1452	292188	9002	1134										19 - 19	19	LS very short	
16	1453		9003	1135												FS No Time break	
17	1454	292188	9006	1140	74 54 - 69 45 33 37							27	580	18 - 19	20	monitor	
18	1551	292188	9131	1335										18 19	20	LS	
19	1552	292187	9134	1336									1105	19 15	21	FS monitor	
20			9160													checking cable - bad shots	
21			9161													continue	
22			9163													missed shot	
23			9164													continue	
24	1649	292189	9261	1533	76 56 - 69 54 38	30	Fast	90	768	10	12	27	1155	29 12	15	LS short	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: TRM-5

AREA-PROJECT: Oaxaca

DATE: 23 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1649	292190	9263	1534	7 6 5 6 - 6 9 5 4 3 8	30	Fast	90	768	10	12	27		30 - 12 16		FS - monitor	
02			9264	1535					2048				1155	30 12 15		Δ trip delay	
03	1748	292190	9392	1735										18 17 22 80		LS	
04		292191	9394	1736					2048			28		19 18 22 80		FS	
05	1749		9395	1737								27					
06	1751		9399	1743									1280			monitor	
07	1752	292191	9401	1745	7 6 5 5 - 4 5 4 4 3 4							30				Δ reprate	
08	1808	23	9433	2005								27				Δ reprate	
09																missed shots	
10			9505	2072												continue	
11			9510													-lots of problem	
12	1855	292191	9537	2134												LS / Shot Record	
13	1856	292192	9540	2135	7 5 5 6 - 6 0 5 0 3 7	30	fast	90	2048	10	12	27	1220	21 - 22 20		FS/monitor	
14	1952	292192	9665	2332										19 15 19		LS	
15	1953	292193	9667	2333	7 9 6 9 - 5 7 4 8 3 6								1320	19 19 20		FS monitor	
16			9710	2405												missed shots	
17			9719	2406												continue	
18	2055	292193	9805	2534												LS Shot	
19	2056	292194	9807	2535	7 9 6 - 5 8 4 6 2 8								1520			FS monitor	
20			9867	2631					3072							Δ trip Delay	
21	2154	292194	9935	2735										22 21 19		LS	
22	2155	292195	9938	2736									2143	22 19 19		FS/Monitor	
23	2200	292195	9949	2751	End Line TRM-5											LS	
24	2200	292195	9956	2752	Begin Line TRM-6											FS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: TRM-6

AREA-PROJECT: Oaxaca

DATE: 23/6/78-24/6/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	2206	292196	9961	2765		36	Fast	90	4064	16	12	27				Change Delay	
02	2252	96	66	3136												LS	
03	2259	292196	69	3137									1728			FS/Monitor	
04	2351	96	196	3337										20 19 21		LS	
05	2352	292197	198	3340									1360	19 19 20		FS/Monitor	
06	2355	292197	204	3345					2016							Change Delay	
07	0048	97	324	3534										20 - 19 19		LS	
08	0049	292198	326	3535	8058-6150 30									18 - 19 19		FS/Monitor	
09	0154	292198	469	3731										16 - 19 19		LS	
10	0155	292199	477	3732	1157-8551 35								1465	20 - 19 19		FS/Monitor	
11	0253	99	598	4130										18 - 17 19		LS	
12	0253	292200	600	4131									1060	17 - 19 19		FS/Monitor	
13	0347	292200	723	4324										23 - 23 80		LS	
14	0349	292201	726	4325	8557-8555 31								1278	19 - 19 80		FS/Monitor	
15	0420	292201	795						992							Change Delay -1sec	
16	0445	292201	848	4517												Change Speed 5kts	
17	0446	292201	852	4522										25 - 22 -		LS	
18	0447	292202	854	4523	8260-9273 37								750	22 - 20 -		FS/Monitor	
19			899													MISSED SHOT	
20	0508		900	4600												CONTINUE	
21	0519	40	926	4632					5/2							change TRIP DEL.	
22	0523	95	935	4643								20				change REP RATE	
23	0540		952	4720												LS	
24								END	TRM-6								

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	MX-1	MEXICO	24 JUNE 78

SYSTEM		BEGIN - TIME - DATE	END - TIME - DATE
DFS 3	LAT.		
	LONG.		

TAPE INFO: record length - 10

TAPE SPEED -- pack density -

SPL. RATE -- 4 mill

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60 Hz

SOURCE

3 airguns ~365psi

GEOPHONES

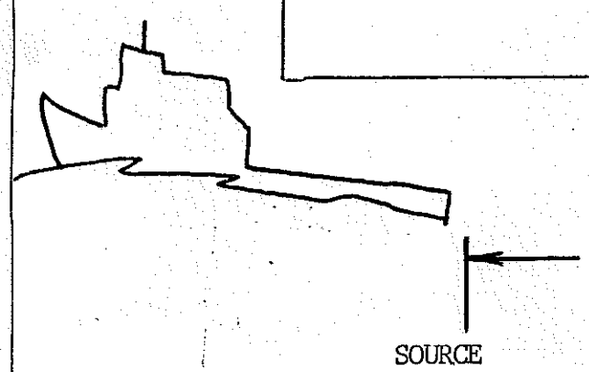
REMARKS

47-trace streamer using even phones except amp channel 7 is phone 15 and amp channel 24 is phone 47.

leader, 1-dead + 2 stretch in front of live sections

sonobuoy's on channel 28 through Rockland 2-30Hz 6 or 20db

teledyne streamer channel 29 through Rockland 2-30Hz 20db



	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CD																								
BIRDS																								

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: MX-1

AREA-PROJECT: OAXACA

DATE: 24-June-78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1	2	3	4	5	6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD (should be 24-fold w/20 sec rec rate @ 5 kts)	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES				CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0541	292203	001	0001	8/5	6/4	-	1/2	7/3	6/3	30	FAST	90	512	10	12	20	450	20	-	24	80		FS, monitor	
02	0622	203	124	1997																				LS	
03	0623	292204	127	2000	8/8	6/3	-	7/8	6/6	6/3	30	fast	90	512	10	12	20	585	17	-	18	17		FS - Monitor	
04		204	215																						
05	0653	204	216																					missed shot	
06	0705	204	256	2223																				continue	
07	0707	292205	257	3273																				LS	
08	0750	292205	387	3374	8/0	6/1	-	9/2	8/9	6/4	30	FAST	90	512	10	12	20	516	19	-	20	20		FS - Monitor	
09	0750	292206	391	5574																				L/S	
10	758	206	411	5775	8/4	6/3	-	8/8	8/4	6/2	30	fast	90	512	10	12	20	425	16	-	21	19		F/S MONITOR	
11	0833	292206	517	6224																				Sonobuoy 23	
12	0834	292207	520	7773																				L/S	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20	8/0	6/5	-	9/6	8/9	6/3	30	fast	90	512	10	12	20	400	20	-	31	80		FS Monitor	
13	0835	207	524	7776																				Missed shot	
14	0908	207	624	1141																				L/S Sonobuoy # 23	
15	0911	207	630	1147										256				290						chg trip del.	
16	0917	292207	649	1172																				L/S	
17	0918	292208	652	1173	80/0	60/0	-	8/8	8/9	6/0	30	FAST	90	256	10	12	20	274	17	-	21	19		F/S MONITOR	
18	0925	08	678	1225															18	-	21	19		F/S Sonobuoy # 24	
19		292208	778	1371																				L/S	
20	1001	292209	780	1372	7/9/0	0	-	5/8	5/5	9	30	FAST	90	256	10	12	20		19	-	21	19		F/S MONITOR	
21	1043	292209	906	1576																				LS	
22	1044	292210	910	1571	7/6	5/6	-	9/3	9/1	5/6	30	FAST	90	128	10	12	20	250	19	-	20	18		FS, monitor	
23	1046		915	1576																					
24	1054		942	1631																				LS Sonobuoy # 24	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20								LAST		SHOT				MX-1							

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-2 & MX-3

AREA-PROJECT: OAXACA

DATE: 24 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1126	29 10	1036	1766												L/S	
02	1127	29 22 11	1039	1769	80 60 - 45 74 43	30	FAST	90	128	10	24	20	255	17 20 17		F/S MONITOR	
03	1210	11	1167	2167												L/S	
04	1210	29 22 12	1170	2170	82 60 - 93 73 49	30	fast	90	128	10	24	20	595			F/S monitor	
05		29 22 12	1296	2366												L/S	
06	1255	29 22 13	1299	2367	80 60 - 90 61 60	30	fast	90	128	10	24	20	568	18 - 20 19		F/S MONITOR	
07	1311		1350	2452			END			LINE		MX-2					
08	1311		1351	2453			BEGIN			LINE		MX-3					
09	1336	29 22 13	1427	2567													
10	1337	29 22 14	1429	2570	84 63 - 84 67 51								1100	20 - 20 19		LS short	
11	1418	29 22 14	1554	2765										18 19 19		F S monitor	
12	1419	29 22 15	1557	2766												LS	
13			1602	3067					2560				1058			FS monitor	
14	1501	29 22 15	1682	3163										21 - 20 18		1 trip delay	
15	1502	29 22 16	1684	3164	78 60 - 94 86 60								1250	21 - 20 19			
16			1807	3253					2048								
17	1543	29 22 16	1808	3360										19 20 18		1 trip delay	
18	1544	29 22 17	1810	3361	80 63 - 78 80 53											LS	
19	1626	29 22 17	1936	3557					2048				1172	20 20 19		FS monitor	
20	1626	29 22 18	1938	3560	78 61 - 91 75 55									20 21 18		LS short	
21	1639		1977	3627					2048				1350	19 21 18		FS monitor	
22	1701	29 22 18	2059	3751					1536							Reset TD'	
23	1708	29 22 19	2062	3752	78 61 - 92 76 54	30	fast	90	1536	16	24	20	972			LS	
24	1750	29 22 19	2189	4151	74 56 - 84 71 51								1240	20 2 21 19		FS monitor	
																LS Short	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: Sonobuoy 25/26 MX 3

AREA-PROJECT: Oaxaca

DATE: 24 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1152	292220	2192	4152	76-97	30	fast	90	1536	10	24/22	20	1240			FS ~~Monitor~~	
02			2276													missed shot	
03	1836	292220	2326	4352													
04	1837	292221	2328	4353	78-80									18-24	19	LS Short	
05	1918	292221	2454	4551					1532				1020	19-25	21	FS Monitor	
06	1919	292222	2456	4552	82-93									26-20	18	LS	
07	1923		2469	4567									900	80-20	18	LS monitor	
08			2505													-Lost Shot line MX 3	
09	2002	292222	2584	4752												-guns won't bad around here	
10	2003	292223	2586	4753	79-85									24-23	22	LS Short	
11	2008		2604	4775									1150	24-23	20	FS Monitor	
12	2011		2610	5003								27				Δ rep rate	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20												continue after missed shots	
13	2025		2641	5026													
14																continue after many missed shots	
15	2049		2696	5106												←missed Shots	
16	2050 / 2050	44	2699 / 2700	5111											*guns almost	Lost alot of shots before this point	
17	2104	292223	2730	5147								26				Δ rep rate	
18	2105	292224	2732	5150									1535			LS Short	
19			2735		76-94											FS monitor	
20																missed ?	
21	0120		2769	5216	75-62									22 21 22 20		MX4 line Start	
22			2816	5279					3184							TRIP Delay	
23	2144	292224	2825	5306												Sonobuoy 25-FS	
24	2151	292224	2840	5324												LS 5625 / FS 5626	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-4 5626

AREA-PROJECT: Oaxaca

DATE: 6/24/78 - 6/25/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	2157	29222 4	2854	5343		30	Fast	90	3584	10	24	26		18 19 20 18		LS	
02	2158	25	2857	5344	8061 - 97 79 55									19 20 20 19		FS/ Monitor	
03	2238		2949	5500												Changed Phones	
04	2240		2954	5505												Back to orig.	
05	2252	29222 5	2982	5541										18 20 22 19		LS	
06	2253	26	2985	5542	7856 - 87 71 47								—	18 21 22 19		FS/Monitor	
07			3083	5704					2528							Trip Delay	
08	2348		3112	5737												LS	
09	2349	29222 7	3113	5738									1500	19 18 20 18		FS/Monitor	
10	0030		3201	6077												LS 5 13 26	
11	0044	29222 7	3238	6135			End Line		MX-4					21 16 19 19		LS	
12		29222 8														FS	
13	0207		3432	6134													
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	MX-5	Oaxaca, Mexico IPOD	25 JUNE 78

SYSTEM

DFS-3
binary gain

	BEGIN - TIME - DATE	END - TIME - DATE
LAT.		
LONG.		

TAPE INFO: record length - 12

TAPE SPEED -- pack density -

SPL. RATE -- 4 mil

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

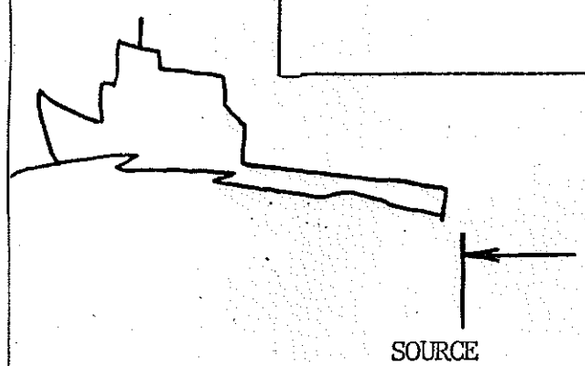
SOURCE

MAXI PULSE
depth 32-33'

GEOPHONES

REMARKS

Bubble's on channel 25+26 through Rockland 2-30Hz, 40db
47-trace streamer
front end - leader, dead, 2-stretch
Using even phones except amp 7 = phone 15 instead of 16
amp 24 = phone 47 instead of 48



	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CD																								
BIRDS																								

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-5

AREA-PROJECT: Oaxaca

DATE: 6/25/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01		2922 28	—	6136	40 62 40	30	FAST	90	4064	12	24	20		MAXI		some test shots w/ high gs at beginning	
02	0421	28	0001	0001		30	FAST	90	4064	11	24	20	2400			FS - Maxipulse - Monitor	
03	0441				86 86 - 97 87 79												
04	0459	28	0113	0161													
05	0500	29	0116	0162	85 62 - 76 81 50	30	Fast	90	4064	11	24	20	2600	MAXI		LS · SR	
06	0538	29	233	346												FS - Monitor	
07	0545	2922 30	235	347	83 63 - 78 83 79	30	Fast	90	4064	11	24	20	2200	MAXI		LS	
08	0619		351	533												F/S Monitor	
09	0619	2922 31	353	534	80 56 - 90 76 52	30	Fast	90	4064	11	24	20	2000	MAXI		L/S	
10	0619	31	420	637												F/S Monitor	
11	0657	31	467	716					3584							change delay	
12	0658	2922 32	470	717	76 58 - 98 84 60	30	[illegible]	90	3072	11	24	20	1595	MAXI		LS	
13		5922 32	587	1104												F/S Monitor - Change Delay	
14	0238	2922 35	589	1105	80 60 - 98 90 60	30	Fast	90	2048	11	24	20	1350	MAXI		L/S	
15		2922 32	704	1267												F/S MONITOR chg delay	
16	0816	2922 39	706	1270	74 63 - 92 96 58	30	Fast	90	2048	11	24	20	1490	MAXI		L/S	
17			799	1423					1024							F/S	
18	0856	2922 34	822	1454													
19		2922 35	826	1455												LS	
20	0935	2922 35	940	1437												FS	
21	0936	2922 36	942	1438	84 61 - 80 96 64	30	fast	90		11	24	20	490			LS	
22	945		971	1674					0							FS - Monitor	
23	954	2316	1060	1731												reset TD	
24																LS of MX-5	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: MX-6

AREA-PROJECT: Oaxaca

DATE: 25 June 78

	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	1041	292236	0001	0001		START	MX-	6						START OF LINE MX-6	
02	1100	36	57	71										L/S	
03	1100	292237	0060	0272	7 5 / 7 6 - 8 8 / 8 2 / 5 5	30 fast 90	Auto	11			173	23 20 20		F/S - Monitor	
04		292237	177	256										L/S	
05	1140	292238	180	257	7 5 / 8 3 - 9 9 / 8 6 / 5 5	30 fast 90	Auto	11	24	20	500	24 25 23		F/S - Monitor	
06	1213	38	278	421			2048							Δ Lightning	
07	1219	292238	296	493										L/S	
08	1221	292239	302	445	8 6 / 0 2 - 9 6 / 7 6 / 5 1	30 fast 90	2048	11	24	20	926	22 - 24 20		F/S Monitor	
09		39	326											NO TB missed shots?	
10	1250	39	327	474										Continue	
11	1259	292239	420	631	8 5 / 0 9 - 9 7 / 5 8 / 5 0	30 fast 90	2048	11	24	20	875			L/S	
12	1300	40	423	632		30 fast 90	2048	11	24	20	875	22 - 23 22		F/S	
13	1340	40	537	1015								21 21 20 —		LS - Start	
14	1340	292241	539	1016	8 6 / 0 0 - 10 0 / 8 9 / 6 0						1120	17 23 20 —		FS monitor	
15	1418	292241	634	1201								21 20 20 —		LS	
16	1419	42	657	1202	8 3 / 0 0 - 9 9 / 8 9 / 9 1		3968					20 22 19 —		FS - monitor	
17	1459	42	774	1367										LS Start	
18	1500	292243	777	1370	7 8 / 2 2 - 10 0 / 9 4 / 6 6	30 fast 90	3968	11	24	20	2606	19 23 19		FS monitor	
19	1538	43	892	1553								20 22 20		LS	
20	1539	44	895	1554	7 5 / 9 4 - 10 0 / 9 0 / 6 1						2757	11 26 20		FS monitor	
21	1541	44	902	1562				12						Δ rec. length	
22	1619	44	1002	1727								20 20 21		LS	
23	1615	45	1004	1730	7 9 / 6 4 - 9 5 / 8 4 / 9						2520	21 24 21		FS monitor	
24	1639		1675	2037										LS MX-6	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-7

AREA-PROJECT: OAXACA

DATE: 25 JUNE 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1639	292245	1876	2040												FS MX-7	
02	1651	292245	1109	2101												LS	
03	1651	292246	1111	2102	86 60 - 39 37 46	42	fast	90	3968	12	24	20	2560	23 23 20		FS monitor	
04																	
05			1195														
06	1726	46	1219	2255												continue	
07	1727	47	1222	2256	84 68 - 60 94 67									21 22 80 -		LS	
08	1803	47	1328	2926									2600	21 22 80 -		FS monitor	
09	1804	48	1330	2927	83 68 - 60 84 67	42	fast	90	3968	12	24	20	2700	21 22 80 -		LS	
10	1813		1359													FS - Monitor	
11			1360	2463												stopped shot	
12	40	48	1436	2577												continue	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20												LS short	
13	1841	49	1440	2600												FS monitor	
14	1844	49	1447	2607												stopped shooting - shutd load guns	shot and counter
15			1448	2610												- extra shot	
16	1904		1449	2611												Const	
17	1907		1452	2621									2315	16 15 13 14		monitor	
18			1480													missed 2-3	
19	1915		1481	2646												continue	
20																missed shots	
21			1483	2650												continue	
22																	
23	1933		1534	2724												continue	
24	1935	292246	1554	2751	86 62 - 60 94 68	42	fast	90	3968	12	24	20	2080	21 13 - 14		LS	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	15 16 17 18 19 20													

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-7/8

AREA-PROJECT: Oaxaca

DATE: 25 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1940	29225	1556	2732													
02	1941	29225	1557	2753	8 16 - 19 9 6	42	fast	90	3968	12	24	20	2080			FS No T.B	
03																monitor	
04	1946	29225	1574	2770												- Power Dropped	
05			1629	3057												Continue	
06	2014	50	1657	3113	END		MX	-7	3584							Δ trip delay	
07	2014	50	1658	3114	BEGIN		MX	-8									
08	2017	50	1667	3125	7 8 3 - 26 7 5 2								1532	17 14	14	LS Short	
09	2018	51	1669	3126										18 14	15		
10	2019	57	1673	3131													
11	2022		1679	3137					3072							FS + monitor	
12	2036		1711	3177					2048							Δ trip delay	
	11 12 13 14	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												Δ trip delay	
13	2054	51	1776	3300													
14	2055	52	1779	3301	3 2 3 - 10 9 6 8				2048				1340	80 12	- 13	LS Short	
15			1851	3410												FS monitor - Metrace 23 missed shot	
16	2130	52	1886	3453												Continue	
17	2131	53	1889	3454	7 6 5 6 - 10 9 4 5	42	fast	90	2048	12	24	20	1600+			LS	
18	2206	53	1994	3625												F.S. - Monitor	
19	2207	29225	1998	3627	9 5 7 - 9 6 8 6 4	42	fast	90	2048	12	24	20	1400	11 11	- 18	LS	
20	2242	54	2103	4000										18 18	- 18	F/S Monitor	
21	2243	29225	2104	4001									1285	18 20	- 18	L/S	
22	2320	55	2216	4155												F/S / Monitor	
23	2320	29225	2218	4156									1535	15 17	- 18	LS	
24	0003	29225	2344	4331										27 18	- 80	FS / Monitor	
	1 2 3 4	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX 8/SB27

AREA-PROJECT: Oaxaca

DATE: 6/26/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0004	292257	2347	4332	1560-9584 57	42	Fast	90	2048	12	24	20	1330	17 18 - 18		FS/ Monitor	
02	0040	57	2451	4506									—	19 16 - 15		LS	
03	0041	292258	2460	4507	7657-9788 57								—	20 15 - 15		FS/ Monitor	
04	0117	292258	2568	4663										18 15 - 15		LS	
05	0118	59	2572	4664	8056-9685 55								1280	19 16 - 15		FS/ Monitor	
06	0155	292259	2681	5040	7455-9891 62								1530	20 16 - 16		LS	
07	0156	60	2684	5041										20 15 - 16		FS/ Monitor	
08	0231	292260	2791	5214										20 16 - 16		LS	
09	0232	292261	2794	5215			11							21 15 - 15		FS/ Monitor	
10	0300	61	2877	5340												FS/SB 27	
11	0312	61	2912	5403										21 15 - 16		LS	
12	0313	292262	2913	5404									1770	22 16 - 17		FS/ Monitor	
13	0352	62	3033	5570										20 16 - 16		LS	
14	0353	292263	3037	5571									1600	21 16 - 16		FS/ Monitor	
15	0433	63	3156	5757												LS	
16	0434	292264	3158	5766									2110			FS/ Monitor	
17	0514	292264	3276	6146												LS SB 27	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-9, SB-28

AREA-PROJECT: Oaxaca

Note Bubble #1 gain reduced to 0db
Use #2 Bubble

DATE: 26 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	05 15	29 22 65	1	1	85 89 - 108 100 68	40	Fast	90	2048	11	24	20	1740	-MAXI-		F/S Monitor	
02		26 5	6	6		36										chg INIT GAIN	
03	05 52 0	26 5	15	17		30										chg INIT GAIN	
04	05 52 7	26 5	36	44												Sb #28 F/S	
05		26 5	77	115												LS Sb #28	
06	05 41	26 5	78	116												FS Sb #29	
07	05 55	29 22 65	119	167												LS	
08	05 56	29 22 66	122	170	74 50 - 98 92 65	30	fast	90	2048	11	24	20	1740	-MAXI-		FS, monitor	
09		26 6	147	221												Dummy	
10		26 6	148	222												CONTINUE	
11		29 22 66	240	356												L/S	
12	16 36	29 22 67	243	357		30	fast	90	2048	11	24	20	1890			F/S MONITOR	
13	07 11 4	29 22 67	357	541												LS	
14	07 15	29 22 68	360	542	78 56 - 99 93 62	30	FAST	90	2048	11	24	20	1760	MAXI		FS monitor, noted	
15		29 22 68	475	725												LS problem w/ Bubble #1, reduced gain to 6 db	
16	07 54	29 22 69	478	726	85 60 - 100 98 70	30	FAST	90	2048	11	24	20	1960	MAXI		FS	
17	08 0 0		495	747												Tpx. Malfunction - Missed Shot	
18				1036												Change bubble 1 gain to 0db	
19	08 30	29 22 69	584	1077		←	LAST	SHOT	→				MX-9,	SB-28		LS of Line + SB 29	
20	09 17	69	725	1100		←	First	Shot	→				MX-10,			FS continue	
21	09 18	69	729	1104												SB-30 FS	
22	09 20	29 22 69	735	1112												L/S	
23	09 22	29 22 70	740	1113	79 54 - 78 79 60	30	fast	90	2048	11	24	20	1860	-MAXI-		F/S - Monitor	
24		70	854	1275												L/S	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: 2629-2

LINE: MX-10/11

AREA-PROJECT: OZARCR

DATE: 26-1 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1000	292271	857	1276	60 60 – 60 94 65	30	FAST	90	2048	11	24	20	1740	– MAXI –		F/S MONITOR	
02		292271	975	1464												L/S	
03	1040	292272	977	1465	61 61 – 60 95 64	30	FAST	90	2048	11	24	20	1460			F/S MONITOR	
04	1120		1094	1652												L/S	
05	1124	292273	1097	1653	80 60 – 60 60 74	30	FAST	90	2048	11	24	20	1555	– MAXI –		F/S Monitor	
06	1200		1212	2036				End	of	Line			MX-10		LS	End of Line, End Reel	
07																	
08					START		MX	-11									
09	1532	292274	0001	0001					2048	11		20		26 26		F/S - MX - 11	
10	1533		4	4	77 51 – 97 77 51	30	Fast	90	256	11	24		650	22 26		monitor, Δ trip delay,	
11			180	120												used TD	
12			93	134					2048							Δ trip delay	
13	1607		105	151					1024							Δ trip delay	
14	1611	292274	116	163												LS Start	
15	1612	292275	119	164	79 57 – 98 83 59								880	26 26		FS monitor	
16			217	326					512							Δ trip delay	
17	1651	292276	236	351										20 23	– 80	LS	
18	1652	292276	239	352									310	21 22	– 80	FS/ Monitor	
19			249	364					256							Δ trip delay	
20	1731	292276	536	355												LS	
21	1731	292277	358	537	80 56 – 88 74 54				256				520			FS monitor	
22	1735	77	370	553												FS SB-31	
23	1810	292277	474	723												LS	
24	1811	292278	477	724	75 52 – 90 76 53								960	17 16	15	FS monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG-29-2

LINE: SB 31/32 MX-11/12

AREA-PROJECT: Oaxaca

DATE: 26 June 1978

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1850	292278	594	1111		30	fast	90	256	11	24	20	1070			LS Short	
02	1851	292279	596	1112												FS monitor	
03	21907		642	1170												LS sonobuoy #31	
04	1929	292279	0712	1276									10	15 15 - 17		LS	
05	1930	292280	0714	1277	7756 - 9878 53								1110	15 16 - 16		FS monitor	
06			0735	1324										11 14 - 16		END of MX-11	
07																stop moved cons started	
08	2030	292280	0893	1325												BEGIN Line MX-12	
09	2036		912	1350												FS sonobuoy 32	
10			925	1362												continue after missed shot	
11	2101	292280	9849	1461									695	18 17 - 18		LS	
12	2102	292281	9911	1462										18 16 - 17		FS/Monitor	
13	2142	292281	11059	1643										17 80 - 17		LS	
14	2143	292282	11112	1644									657	16 80 - 17		FS/Monitor	
15	2224	292282	12034	2027										16 80 - 16		LS / LS SB 32	
16	2224	292283	12037	2030										14 16 - 16		FS/Monitor	
17	2303	292283	13051	2212										18 23 - 17		LS	
18	2304	292284	13053	2213	8462 - 0096 66	30	fast	90	0	11	24	20	400	14 26 - 18		FS/ Monitor	
19	2341	84	14066	2372										18 20 - 17		LS	
20	2342	292285	14069	2373										18 18 - 16		FS	
21	2342	85	14070	2374									795	16 18 - 17		Monitor	
22			14092													Missed Shots	
23	2353	292285	15000	2421										16 16 - 16		Continue	
24			15048 -	15049												missed two shots	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG 29-2

LINE: MX-12/13

AREA-PROJECT: MEXICO MAT/JPOD

DATE: 27 JUNE 78

	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
01			1550	2475											
02	0016	292285	1572	2523										continue	
03	0125		1778	2524		End Line			MX-12			16 18 - 15		LS MX12	
04	0135	292285	1804	2556		BEGIN LINE			mx-13						
05	0134	292286	1807	2537								18 14 - 16		LS	
06		86	1808									21 12 - 15		FS	
07	0136	86	1811	2560										Missed Shot	
08	0204	292286	1895	2704	8 3/8 - 10 8/8 6/0	42 FAS 90	0	10	24	20	360	19 15 - 16		Continue/Monitor	
09	0216	292286	1932	2751							450			FS ~~SB-32~~ SB-33 FS	
10	0218	292287	1938	2752								16 17 - 18		LS	
11	0233		1980	3020							340			FS/Monitor	
12	0300	292287	2015	3146										Miss Shot	
												21 17 - 17		LS	
13	0301	292288	2068	3147							294	19 16 - 16		FS/ Monitor	
14	0330		2153	3274											
15	0343	292288	2194	3345								18 17 - 16		LS SB33	
16	0344	89	2197	3346	8 2/68 - 10 0/64									LS	
17	0426	292289	2325								255	17 16 - 16		FS/Monitor	
18						End Line			MX-13		360	13 19 - 16		LS	
19															
20															
21															
22															
23															
24															

CRUISE	LINE	AREA-PROJECT	DATE
I629-2	MX-14		27 JUNE 78

SYSTEM		BEGIN - TIME - DATE	END - TIME - DATE
DFS-3 binary gain	LAT.		
	LONG.		

TAPE INFO: record length - 11

TAPE SPEED -- pack density -

SPL. RATE -- 4

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

SOURCE

maxi pulse

GEOPHONES

REMARKS

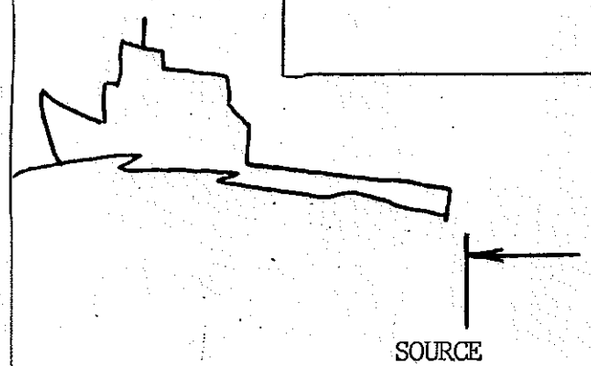
channel 25+26 bubbles } 5-30 Hz - 5db — Bubble 1 going bad
channel 29 Teledyne streamer } - 40db
- 20db

no change in geometry, except for source - 1st geophone distance

leader, dead + 2 stretch section

47-trace cable

even phones, except amp channel 7 = phone 15
amp channel 24 = phone 47



	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CD																								
BIRDS																								

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-14

AREA-PROJECT: MEXICO / MAXIPULSE

DATE: 27 JUNE 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1	2	3	4	5	6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0605	292290	1	1	88	64	-	79	66	50	30	FAST	90	0	11	24	20	245	-MAXI-		F/S MONITOR	
02		90	74	111																	Dummy	
03		90	75	112																	CONTINUE	
04		292296	116	164																	L/S	
05	0645	292291	118	165	85	89	-	70	98	63	30	FAST	90	0	11	24	20	333	-MAXI-		F/S MONITOR	
06	0722	97	233	350																	LS	
07	0923	292292	235	351	84	63	-	60	96	62	30	FAST	90	0	11	24	20	505	-MAXI-		FS/Monitor	
08			263	404										1024							change delay	
09	0		265	406										1560							change delay	
10	0810	292292	352	535																	LS	
11	0810	292293	356	636			-	97	98	62	30	FAST	90	2048	11	24	20	900	-MAXI-		FS, monitor	
12	0843	93	474	724																	LS	
13	0843	292294	476	725	90	71		72	80	62	30	FAST	90	2048	11	24	20	1200	-MAXI-		FS - Monitor	
14		292294	590	1107																	LS	
15	0922	292295	593	1110	82	65	-	60	85	65	30	FAST	90	2048	11	24	20	1312	-MAXI-		FS - MONITOR	
16		95	675	1231																	DUDE	
17	0950	95	676	1232																	CONTINUE	
18	0956	95	692	1252										3072							chg trip DEL.	
19		292295	709	1273																	LS	
20	1001	292296	711	1274	78	55	-	97	92	63	30	FAST	90	3072	11	24	20	1580	←MAXI→		F/S MONITOR	
21	1041	96	828	1461																	LS	
22	1092	292297	830	1464	80	59	-	60	95	68	30	fast	90	3584				1800	←Maxi→		FS Monitor	
23	1120	97	947	1646																	LS - short record	
	1121	292298	948	1647	85	61	-	60	96	66	30	fast	90	3584	11	24	20	2120	←maxi→		F/S - Monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-14/15

AREA-PROJECT: OAXACA

DATE: 27 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	1146	292298	1023	1757												3 missed shots?	
02	1201	292298	1066	2033												LS	
03	1201	292299	1068	2034	78 59 - +1 0 95 65	30	fast	90	4064	11	24	20	2627	Maxi		short record	
04		99	1182	2216												FS	
05	1239	292300	1184	2217	80 60 - 98 98 68	30	fast	90	4064	11	24	20	2680	MXS		LS	
06	1258		1259	2306						12						F/S MONITOR	
07	1317	292300	1295	2376												chg REC. LNGTH	
08	1318	292301	1299	2377		30	FAST	90	4064	12	24	20	2730	MAXS		LS	
09		301	1408	2554												F/S MONITOR	
10	1355	292302	1411	2555									2760			LS	
11	1430	02	1463	2630												FS MONITOR	
12	1482	292302	1520	2731												Missed shot	
	1234	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												LS	
13	1433	292303	1522	2732	83 61 - 60 97 69	30	fast	90	4064	12	24	20	2640	MAXI		FS Monitor	
14	1500		1604	3054		60		look at following records for streamer geometry from D-wave								Δ ~~[illegible]~~ initial gain	
15																	
16	1508	37 292303	1630	3106												LS	
17																	
18	1914	292304	0001	0001		START			MX	15							
19				0003									18	23 -	80	FS - mx-15	
20				0004												missed shot	
21	1920	292304	0114	0021	81 62 - 97 75 52	30	fast	90	4064	12	24	20	2120			continue	
22			43													monitor	
23			44	52												missed	
24	1951		110	154												continue	
	1234	5 6 7 8 9 10	11 12 13 14	16 17 18 19 20												LS	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: I G 29-2

LINE: MX-15

AREA-PROJECT:

DATE: 27 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR, LEAKAGE	REMARKS	OB INIT
01	1952	292305	113	155		30	Fast	90		12	24	20		16 21 - 14		FS monitor	
02	2027		217	325												LS	
03	2028	292306	221	326												FS monitor	
04	2103	292306	328	501										18 22 - 15		LS	
05	2104	292307	330	502	1541 - 9685								2580	18 24 - 15		FS/Monitor	
06	2140	292307	438	656										21 24 - 16		LS	
07	2141	292308	441	657	8056 - 14472								2550	22 21 - 15		FS/Monitor	
08	2211	292308	547	1031										19 21 - 15		LS	
09	2218	309	550	1032	7560 - 13746								2230	19 20 - 16		FS/Monitor	
10	2252	309	654	1202					3040							Trip Delay	
11	2256	292309	666	1216										19 20 - 16		LS	
12	2257	310	669	1217									1600+	80 80 - 88		FS/Monitor	
13			676													Missed Shot	
14			672													Continue	
15			685													Missed Shot	
16			686													Continue	
17	2318	292310	732	1310					2016							Trip Delay	
18	2335	310	787	1376										22 20 - 18		LS	
19	2334	292311	789	1377	8861 - 13704								1147	20 21 - 19		FS/Monitor	
20	0012		893	1547					992							Trip Delay	
21	0016	292311	905	1563									1000	23 23 - 80		LS	
22	0017	292312	908	1564										22 23 - 23		FS/Monitor	
23	0054	312	1019	1743												LS	
24	0055	313	1022	1744	8491 - 13665	30	Fast	90	992	11	24	20	900	00 00 - 23		FS/Monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-15

AREA-PROJECT: Mexico

DATE: 6/28/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH	GAIN (db) INIT	GAIN (db) RATE	GAIN (db) FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01		29231 3	1111	2075		30	Fast	96	0	11	24	20				Trip Delay	
02	0135	29231 3	1137	2127										2021 - 20		LS	
03	0136	29231 4	1140	2130									240	2020 - 22		FS/Monitor	
04	0141		1156	2140												Miss Shots	
05	0142		1159	2150												Cont	
06	0214	24231 4	1260	2314		End	Line	MX-15					45			LS Line MX-15	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

CRUISE	LINE	AREA-PROJECT	DATE
IG29-2	MX-16	Mexico	28 JUNE 78

SYSTEM

DFS 3

Binary Gain

	BEGIN - TIME - DATE	END - TIME - DATE
LAT.		
LONG.		

TAPE INFO: record length - 11

TAPE SPEED -- pack density -

SPL. RATE -- 4

RECORD FILTERS HI-cut - 62

LO-cut - out Slope -

SLOPE - Notch 60

SOURCE

3-airguns

~ 365psi

GEOPHONES

REMARKS

47-trace streamer

leader

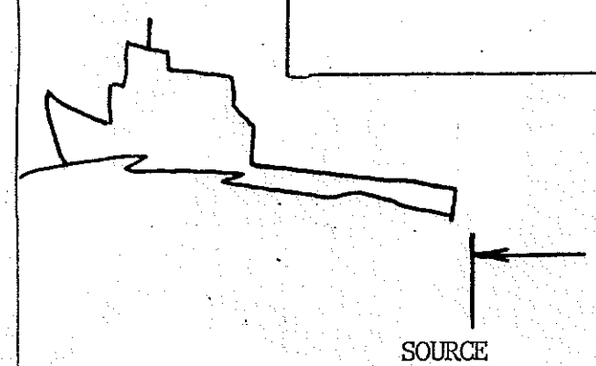
dead

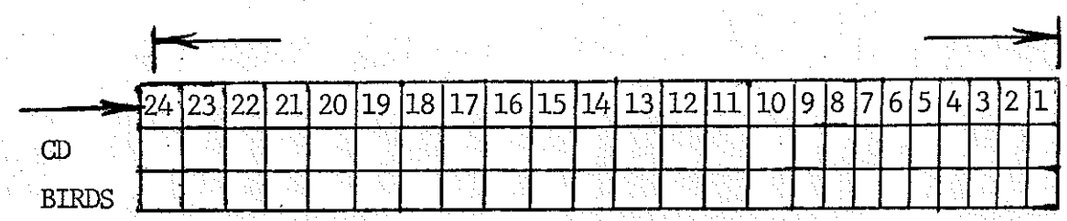
2-shrunk

using even phones

except amp channel 70 phone 15

" " 242 phone 47





U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2 | LINE: MX-16 | AREA-PROJECT: Mexico | DATE: 6/28/78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0324	29231 5	0001	0001	74 60 - 70 60 40	30	Fast	90	0	11	24	20	663	19 18 - 19		FS MX-16	
02	0327	29231 5	0011	0009										19 20 - 19		Monitor	
03		29231 5	11 5	163												LS	
04	0403	29231 6	11 7	164	85 59 - 96 82 59	30	FAST	90	0	11	24	20	500	19 20 - 20		FS, monitor	
05	0422		0174	253												Miss Shot	
06	0423		0176	255												Cont	
07	0442	29231 6	0235	350										17 18 - 18		LS	
08	0443	29231 7	0232	361	81 60 - 95 82 95	30	fast	90	0	11	24	20	600	16 17 - 17		FS / Monitor	
09	0523	29231 7	356	537												LS	
10	0523	29231 8	358	540	84 54 - 96 73 45	30	fast	90	0	11	24	20	900	16 17 - 17		FS, monitor	
11	0544	18	419	634					1024							change delay	
12		29231 8	424	703												LS	
13	0603	29231 9	496	724	80 58 - 86 71 45	30	FAST	90	1024	11	24	20	1100	17 17 - 17		FS MONITOR	
14	0641	19	589	1105												A Trip Delay	
15	0641	19	591	1107												L/S	
16	0642	29232 0	593	1110	65 65 - 90 85 66	30	FAST	90	3072	11	24	20	1500	14 15 - 16		F/S	
17	0200	20	657	1210												Missing Shots ?	
18		20	677	1234					4096							change delay	
19	0221	20	710	1275												L/S	
20	0721	29232 1	712	1276	86 62 - 90 86 59	30	FAST	90	4096	11	24	20	—	19 16 - 18		F/S - MONITOR	
21	0800	21	828	1464												L/S	
22	0802	29232 2	833	1463	80 54 - 93 90 54	30	FAST	90	~~3584~~	11	24	20	1870	20 15 - 18		F/S - Monitor	
23	0841		951	1651												LS	
24	0842	29232 3	954	1652	82 60 - 96 91 56	30	FAST	90	4096	11	24	20	2600	19 21 - 18		FS, monitor	

U.T.- M.S.I. GEOPHYSICS LABORATORY

D.F.S. LOG

CRUISE: IG29-2

LINE: MX-16

AREA-PROJECT: Mexico

DATE: 28 June 78

	TIME	REEL	SH. PT	RECORD NO.	STRMER DEPTH 1 2 3 4 5 6	GAIN (db) INIT	RATE	FINL	TRIP DEL.	REC. LGTH	FLD	REP. RATE	WATER DPTH (Fm)	REL FIRE TIMES	CONTINUITY OR LEAKAGE	REMARKS	OB INIT
01	0903	292323	1015	1674		30	FAST	90	40%	11	24	20				NO TB continue approx 2.5 hrs	
02			1066													MISSED SHOT	
03	0921		1067	1757												CONTINUE	
04		292323	1110	2032												LS	
05	0936	292324	1115	2039	5062 - 9985	30	FAST	90	40%	11	24	20	2335	20 18 - 19		FS MONITOR	
06		324	1231	2217												LS	
07	1015	292325	1234	2218		30	FAST	90	40%	11	24	20	2150	15 18 - 19		FS MONITOR	
08	1054	25	1348	2402												LS	
09	1054	292326	1352	2404	8055 - 9285	30	fast	90	40%	11	24	20	2060	18 19 - 19		FS Monitor	
10	1133	292326	1467	2566												LS	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
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22																	
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24																	