

3.5 kHz

Bathymetry LOG

May 29

PAGE

OF

CRUISE				AREA				PROJECT				DATE			
IG 24-5				Guatemala Slope				CORING				SD 146 + 147			
TIME		TIME		TIME		TIME		TIME		TIME		TIME		TIME	
0000		0300		0600		0900		1200		1500		1800		2100	
05										29		264		46	
10										30		271		45	
15										30		293		44	
20										31		330		44	
25										32		333	CORE #2	44	CORE #3
0030		0330		0630		0930		1230		33		340	1825 244 Fm	44	71
35										34		395		44	71 Fm
40										35		365		43	
45										36	Cole	364		43	
50										37	#1	372		42	
55										38	1559 386 Fm	390		43	
0100		0400		0700		1000		1300		38	1600	386	1900	44	2200
05										39		383		44	
10										40		382		45	
15										41		381		45	
20										42		378		45	
25										43		368		45	
0130		0430		0730		1030		1330		43	1630	328	1930	46	2230
35										44		281		47	
40										46		260		48	
45										48		240		49	
50										50		214		50	
55										52		196		49	
0200		0500		0800		1100		1400		53	1700	176	2000	53	2300
05										55		156		53	
10										57		135		54	
15										62		115		54	
20										90		107		56	
25										140		96		57	
0230		0530		0830		1130		23 1430		165	1730	90	2030	58	2330
35								24		188		88		61	
40								45		209		84		62	
45								46		222		81		63	
50								28		242		63		67	
55								29		252		49		68	

26

May
1929

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File
16

BATHYMETRY

File #17

27 May 1977

Cruise I.D. IG 24Leg No. 5Year 1977 TZ Guatemala Slope
Julian day 147

Coring Project

Time(z)	Depth(m)	(Z) TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
0000	836	15	943	04 30	136	45	96
05	860	20	947	35	128	50	102
10	930	25	948	40	120	55	140
15	928	0230	935	45	114	0700	168
20	912	35	923	50	108	05	188
25	898	40	870	55	103	10	216
0030	906	45	780	05 00	98	15	248
35	912	50	630	05	95	20	303
40	918	55	519	10	92	25	358
45	922	0300	480	15	88	0730	390
50	924	05	447	20	86	35	409
55	926	10	420	25	83	40	435
0100	928	15	390	05 30	81	45	438
05	928	20	336	35	78	50	390
10	929	25	298	40	76	55	447
15	929	0330	274	45	73	0800	480
20	930	35	237	50	72	05	502
25	930	40	227	55	73	10	516
0120	932	45	217	06 00	74	15	534
35	935	50	202	05	75	20	598
40	936	55	193	10	76	25	510
45	935	0400	184	15	78	0830	478
50	936	05	178	20	79	35	472
55	937	10	170	25	81	40	410
0200	938	15	162	06 20	82	45	440
05	939	20	153	35	86	50	384
10	941	25	144	40	90	55	398

CORE
#4

BATHYMETRY

Cruise I.D. IG 24Leg No. 5Year 1977 TZ

Guatemala Slope Coring Project

Julian Day 147 27 May 1977

TIME MONTH	DEPTH DOWN	(Z) TIME	MATTHEWS ZONE	READING (BAROMETRIC)	DEPTH	TIME	DEPTH
0900	200	1115	270	1330	630	1545	1048
05	170	20	271	35	662	50	1010
10	152	25	289	40	695	55	984
15	134	1130	371	45	689	1600	964
20	115	35	285	50	736	05	952
25	98	40	261	55	714	10	934
0930	87	45	269	1400	714	15	925
35	78	50	283	05	720	20	910
40	72	55	302	10	714	25	907
45	66	1200	319	15	756	1630	906
50	69	05	343	20	769	35	906
55	74	10	362	25	792	40	906
1000	76	15	422	1430	820	45	906
05	79	20	448	35	848	50	907
10	83	25	418	40	898	55	907
15	86	1230	474	45	942	1200	906
20	90	35	435	50	972	05	907
25	96	40	445	55	960	10	908
1030	103	45	476	1500	960	15	908
35	114	50	507	05	945	20	908
40	133	55	542	10	916	25	908
45	150	1300	564	15	932	1730	908
50	167	05	548	20	966	35	908
55	184	10	536	25	1004	40	910
1100	202	15	580	1530	996	45	911
05	232	20	584	35	1029	50	911
10	255	25	593	40	—	55	912

BATHYMETRY

Cruise I.D. IG-24
 Leg No. 5
 Year 1977 TZ

GUATEMALA SLOPE
CORING PROJECT

Julian Day 147
 & 148

TIME	D.	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
MONTH	DAY	(Z)	(FATHOMS)	(Z)	(FATHOMS)	COMMENTS	(FATHOMS)
1800	913	20 20	1117	22 40	1880	0100	2171
05	914	25	1117	45	2168	05	2168
10	914	20 30	1117	50	2128	10	2163
15	915	core #6 20242 1117 fm 35	1116	55	2134	15	2161
20	916	40	1116	23 00	2194	20	2158?
25	916	45	1116	05	2194	25	2158
1830	917	50	1116	10	2195	0130	2158?
35	917	55	1116	15	2196	35	2155
40	918	21 00	1116	20	2193	40	2150
45	918	05	1117	25	2194	45	2148
50	918	10	1118	23 30	2200	50	2145?
55	919	15	1120	35	2198	55	2258?
1900	920	20	1123	40	2198	0200	2250?
05	921	25	1127	45	2199	05	2248
10	944	21 30	1172	50	2200	10	2243
15	982	35	1196	55	2200	15	2241
20	972	40	1212	00 00	2202	20	2240
25	926	45	1226	05	2204	23 MAY 1977 25	2236
1930	928	50	1250	10	2200	0230	2300?
35	984	55	1286	15	2200	35	2320
40	1026	22 00	1378	20	2198	40	2366
45	1072	05	1435	25	2195	45	2378
50	1102	10	1510	00 30	2192	50	2394
55	1118	15	1560	35	2190	55	2430
20 00	1118	20	1622	40	2188	0300	2478?
05	1117	25	1650	45	2185	05	—
10	1117	22 30	1710	50	2180	10	—
15	1117	35	1754	55	2174	15	—

BATHYMETRY

GUATEMALA SLOPE ⑤

CORING PROJECT

Cruise I.D.

IG-24

Leg No.

Year 1977

Julian Day 148

28 May 1977

DEPTH S

DEPTH S

DEPTH S

TIME MONTH	DEPTH DATE	TIME (Z)	MZ	READING (FATHOMS)	TIME (Z)	READING (FATHOMS)	TIME DATE	DEPTH DATE
03 20	2956	05 40	2368	08 00	2258		10:20	2588
25	2920	45	2374	05	2270		25	2614
03 30	2897	50	2330	10	2290		10:30	2640
35	2943	55	2327	15	2282		35	2710
40	3000	06 00	2344	20	2308 ?		40	2728
45	—	05	2330	25	2364		45	2749
50	3200	10	2280	08 30	2372		50	2730
55	Lost Signal	15	2240	35	2396 ?		55	2677
04 00	—	20	2222	40	2430 ?		11:00	2677
05	—	25	2210	45	2420 ?		05	2688
10	Popper change	06 30	2196	50	2418 ?		10	2646
15	—	35	2206	55	2412 ?		15	2614
20	—	40	2209	09 00	2580 ?		20	2612
25	—	45	2200	05	2580		25	2642
04 30	Lost Signal	50	2187	10	2626		11:30	2710
35	—	55	2176	15	2630		35	2732
40	2752	07 00	2182	20	2640		40	2774
45	2700	05	2177	25	2645		45	2822
50	2678	10	2168	09 30	2638		50	2828
55	2732	15	2168 ?	35	2630		55	2835
05 00	2684	20	2243 ?	40	2628		12 00	2836
05	2664	25	2238	45	2624		05	2820
10	2704	07 30	2236	50	2628		10	2810
15	2744	35	2254	55	2640		15	2800
20	—	40	2245	10 00	2643		20	2798
25	—	45	2238	05	2625		25	2778
05 30	2390	50	2234	10	2585		12 30	2769
35	2374	55	2263	15	2574		35	2762

BATHYMETRY

Cruise I.D. IG 24Leg No. 05Year 1971 TZ Guatemala Slope Coring Project
Julian Day 148 May 28

Time	Depth	(Z) TIME	Depth	Time	Depth	Time	Depth
MANHATTAN	DEPTH		MATTHEWS ZONE	READING (FATHOMS)	COMMENTS		WATCH NO.
1240	2788	55	2548	10	1318	25	2060
45	2820	1500	2553	15	1293	19 30	2152
50	2845	05	2548	20	1276	35	2148
55	2868	10	2440(?)	25	1256	40	2090
1300	2882	15	2330	17 30	1208	45	2120
05	2890	20	2224	35	1196	50	2120
10	2918	25	2174	40	1244	55	2146
15	2980	15 30	2080	45	1275	20 00	2135
20	3120	35	2040	50	1296	05	2170?
25	3142	40	1956	55	1326	10	2130?
1330	3165	45	1926	18 00	1378	15	2194?
35	3320	50	1896	05	1430	20	2170?
40	3320	55	1860	10	1464	25	2166?
45	3160	16 00	1824	15	1490	20 30	2210?
50	3112	05	1802	20	1510	35	2238?
55	3032	10	1764	25	1544	40	2296?
1400	2956	15	1678	18 30	1578	45	2300?
05	2800	20	1652	35	1616	50	2298?
10	2786	25	1630	40	1670	55	2296?
15	2750	16 30	1587	45	1726	21 00	2226?
20	2732	35	1548	50	1756	05	2204?
25	2714	40	1522	55	1786	10	2176?
1430	2679	45	1500	19 00	1842	15	2150?
35	2663	50	1480	05	1856	20	2120?
40	2604	55	1451	10	1896	25	2000?
45	2566	17 00	1413	15	1926	21 30	2020
50	2548	05	1361	20	2014	35	2138

(7) 119

BATHYMETRY

Cruise I.D. 16-24Guatemala Slope Coring Project
Julian Day 148/149Leg No. 05

28-29 MAY 1977

Year 1977 TZ

Time	Depth	(Z) TIME	MATTHEWS ZONE	Time	Depth	Time	Depth
MONTH	DAY			READING (FATHOMS)			WATCH I.D.
2140	2145	55	2135	02 10	1533	25	1062
45	2160	0000	2136	29 MAY 1977 15	1530	0430	1000
50	2188	05	2141	20	1519	35	950
55	2280	10	2148	25	1463	40	890
2200	2245	15	2180	02 30	1423	45	850~
05	2173	20	2240	35	1396	50	846
10	2140	25	2318?	40	1340	55	846
15	2136	30	2252	45	1305	0500	856
20	2144	35	2200	50	1285	05	874
25	2144	40	2164	55	1260	10	862
2230	2144	45	2134	03 00	1220	15	890
35	2143	50	2136	05	1210	20	876
40	2142	55	2146	10	1200	25	870
45	2141	01 00	2050	15	1197	0530	804
50	2140	05	?	20	1184	35	806
55	2139	10	1820	25	1176	40	980
2300	2138	15	1764	03 30	1174	45	983
05	2138	20	1738	35	1220	50	993
10	2138	25	1712	40	1253	55	995
15	2137	01 30	1688	45	1245	06 00	1008
20	2136	35	1668	50	1220	05	983
25	2136	40	1647	55	1204	10	924
2330	2135	45	1634	04 00	1195	15	848
35	2135	50	1612	05	1185	20	786
40	2134	55	1588	10	1167	25	684
45	2134	02 00	1569	15	1143	0630	638
50	2134	05	1548	20	1121	35	595

BATHYMETRY
Guatemala Slope Corning Project
Tulihon Day 149.
29 May 1977

Leg No. 05

Year 1977 TZ

29 May 1977

Year 1977		TZ		Depth		Time		Depth		Time		Depth	
Time	Depth	Time	Depth	Time	Depth	Time	Depth	Time	Depth	Time	Depth	Time	Depth
TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
0640	578	0855	981	1110	1778	1325	2253						
45	579	0900	1005	15	1822	1330	2256						
50	563	05	1031	20	1921	35	2259						
55	544	10	1062	25	2000	40	2264						
0700	536	15	1082	30	2100(?)	45	2266						
05	555	20	1106	35	2142	50	2270						
10	513	25	1143	40	2134	55	2274						
15	538	30	1163	45	2154	1400	2275						
20	506	35	1192	50	2200	05	2280						
25	480	40	1204	55	2290	10	2283						
30	486	45	1226	1200	2354	15	2288						
35	445	50	1254	05	2373	20	2292						
40	456	55	1294	10	2387	25	2300						
45	416	1000	1308	15	2390	1430	2300						
50	406	05	1320	20	2460(?)	35	2300						
55	390	10	1358	25	2377	40	2300						
0800	428	15	1386	30	2388	45	2305						
05	476	20	1428	35	2376	50	2333						
10	544	25	1516	40	2364	55	2348						
15	622	30	1530	45	2346	1500	2350						
20	668	35	1550	50	2290	05	2350						
25	720	40	1572	55	2232	10	2350						
30	776	45	1600	1300	2232	15	2348						
35	830	50	1612	05	2240	20	2350						
40	880	55	1660	10	2241	25	2350						
45	915	1100	1724	15	2244	1530	2351						
50	951	05	1750	20	2249	35	2352						

BATHYMETRY

Cruise I.D. IG-24Leg No. 05Year 1977 TZ Guatemala Slope Coring Project
Julian Day 149/150

29-30 May 1977

TIME MONTH	DEPTH FATH	(Z) TIME	DEPTH MATTREWS ZONE	TIME REARBERG (EASTERN)	DEPTH MATTREWS ZONE	TIME	DEPTH MATTREWS ZONE
15 40	2353	17 55	2471	20 10	2660	22 25	2923
45	2376	18 00	2471	15	2664	22 30	2910
50	2397	05	2472	20	2662	35	2888
1557) 55	2437	10	2475	25	2662	40	2886
Core #10 16 00	2444	15	2478	20 30	2664	45	2886
05	2444	20	2484	35	2665	50	2886
10	2445	25	2487	40	2666	55	2886
15	2444	18 30	2492	45	2666	23 00	2886
20	2445	35	2494	50	2666	05	2872
25	2444	40	2495	55	2666	10	2872
16 30	2444	45	2496	21 00	2670	15	2873
35	2444	50	2500	05	2670	20	2872
40	2444	55	2500	10	2674	25	2869
45	2445	19 00	2525	15	2666	23 30	2871
50	2446	05	2552	20	2640	35	2869
55	2447	10	2616	25	2648	40	2866
17 00	2448	15	2624	21 30	2674	45	2867
05	2449	20	2628	35	?	50	2865
10	2450	25	2630	40	?	55	2864
15	2453	19 30	2634	45	2730	00 00	2862
20	2455	35	2636	50	?	05	2862
25	2458	40	2638	55	?	10	2862
17 30	2460	45	2642	22 00	2920	15	2862
35	2464	50	2648	05	2882	20	2861
40	2465	55	2652	10	2914	25	2861
45	2470	20 00	2653	15	2913	00 30	2860
50	2471	05	2656	20	2931	35	2860

Core #11 →
(2006 Z)
(2732 Fm)
wire

10

BATHYMETRY

Cruise I.D. 161-24

May 30 - 31, 1977

GMT

Leg No. 05

1050-15

Year 1977 TZ Y

Year	Time	Depth	(Z)	MATTHEWS	Time	READING	Time	Depth	Time	WATCH
	MONTH	DAY	TIME	ZONE		(FATHOMS)			COMMENTS	T.D.
	00	40	2860	0255	2305	0510	2264	07 25	3218	0940 2660
	45	2858	0300	2371	15	2255	07 30	3170	45 2598	
	50	2857	05	2296	20	2286	35	3125	50 2590	
	55	2856	10	2268	25	2274	40	3096	55 2632	
	01	00	2854	15	2224	0530	2232	45	3064	1000 2682
	05	2854	20	2202	35	2226	50	3122	05 2718	
	10	2853	25	2246	40	2229	55	3128	10 2764	
	15	2853	03 30	2236	45	2245	08 00	3131	15 ~2800	
	20	2850	35	2232	50	2287	05	3138	20 2806	
	25	2885	40	2244	55	2295	10	3147	25 2848	
	01	30	28	45	2252	06 00	2396	15	3147	30 2880
	35	—	50	2295	05	?	20	3046	35 2940	
	40	—	55	2316	10	2508	25	3034	40 3010(?)	
	45	2640	0400	2301	15	2572	08 30	3046	45 ?	
	50	2600	05	2280	20	2668	35	3096	50 ?	
	55	2500	10	2250	25	2646	40	3188	55 ?	
	02	00	2450	15	2236	06 30	2600	45	3186	11 00 ?
	05	2440	20	2186	35	2623	50	3164	05 3164	
	10	2419	25	2185	40	2664	55	3146	10 3140	
	15	2396	0430	2182	45	?	09 00	3000 ?	15 3130	
	20	2388	35	2174	50	?	05	2842	20 3134	
	25	2358	40	2182	55		10	2800	25 3184	
	02	30	2374	45	2144	07 00	3172 ?	15	2740	30 ~3200
	35	2377	50	2144	05	3200 ?	20	2700	35 ?	
	40	2382	55	2155	10	3224 ?	25	2666	40 ?	
	45	2374	6500	2184	15	3224	09 30	2646	45 ?	
	50	2324	05	2252	20	3222	35	2672	50 ?	

BATHYMETRY

Cruise I.D. TG 24Leg No. 05Year 1977 TZ +6Guatemala Slope Coring Project
30 May 77

J.D. 150

time MONTH	depth DAY	(Z) TIME	depth MATTHEWS ZONE	time READING (FATHOMS)	depth	time COMMENTS	depth WATCH F.D.
55		1410	3232	1625	2886	1840	2784
1200		15	3233	1630	2889	45	2782
05		20	3144	35	2884	50	2777
10		25	3017	40	2880	55	2774
15		1430	2942	45	2876	1900	2790
20		35	2892	50	2870	05	2792
25		40	2854	55	2868	10	2796
1230		CORE #13 45	2902	1700	2868	15	?
35	2912	50	2904	05	2865	20	2836
40	2900	55	2900	10	2860	25	2839
45	2886	1500	2898	15	2852	1930	2844
50	2900	05	2896	20	2842	35	-
55	2928	10	2894	25	2830	40	2990
1300	3000(?)	15	2896	1730	2828	45	3000
05	3912	20	2894	35	2824	50	3040
10		25	2895	40	2820	55	-
15	?	1530	2894	45	2812	2000	3232
20		35	2892	50	2807	05	3232
25		40	2892	55	2804	10	3228
1320	3230	45	2892	1800	2804	15	3228
35	3228	50	2889	65	2796	20	3228
40	3180	55	2887	10	2792	25	3228
45	3167	1600	2886	15	2790	2030	3228
50	3190	05	2886	20	2788	35	3228
55	3208	10	2886	25	2787	40	3228
1400	3221	15	2888	1830	2784	45	3228
05	3231	20	2887	35	2784	50	3228

BATHYMETRY

#21

Cruise I.D. IG 24

Guatemala Slope Coring Project

Leg No. 05

J.D. 159/51 30/May 1977 - 31 May

Year 1977 TZ +6

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
MONTH	DAY	(Z) TIME	MATTHEWS ZONE	REMARKS (REMARKS)	COMMENTS	WATCH I.D.	
2055	3228	2310	3227	01 25	2346	03 40	2120
2100	3228	15	3205	01 30	2344	45	2102
05	3228	20	3165	35	2350	50	2110
10	3228	25	2920	40	2338	55	2100
CORE #14 15	3228	23 30	2860	45	2316	04 00	2100
2118 20	3228	35	2830	50	2304	05	2103
25	3228	40	2850	55	2246	10	2114
2130	3228	45	2896	0200	2234	15	2112
35	3228	50	2726	05	2222	20	2113
40	3228	55	2734	10	2216	25	2129
45	3228	00	2752	15	2212	04 30	2147
50	3228	05	2780	20	2190	35	2222
55	3228	10	2824	25	2180	40	2208
2200	3228	15	2816	02 30	2175	45	2184
05	3229	20	2823	35	2160	50	2156
10	3229	25	2820	40	2148	55	2104
15	3229	00 30	2792	45	2136	05 00	2075
20	3229	35	2720	50	2116	05	2055
25	3229	40	2670	55	2102	10	2040
22 30	3229	45	2627	03 00	2092	15	2024
35	3229	50	2593	05	2094	20	1976
40	3229	55	2588	10	2098	25	1971
45	3229	01 00	2506	15	2108	05 30	1972
50	3229	05	2480	20	2111	35	1984
55	3229	10	2372	25	2115	40	1966
2300	3229	15	2360	03 30	2118	45	1956
05	3229	20	2356	35	2119	50	1950

BATHYMETRY

Guatemala Slope Coring Project

Cruise I.D. 24.

Leg No. 05

JD. 151 31 May 1977

GMT-Time

Year 1977 TZ +6

Year <u>1977</u> TZ <u>+6</u>		DEPTH		TIME		DEPTH		TIME		DEPTH	
TIME MONTH	DEPTH DAY	TIME	MATTHEWS ZONE	READING (FATHOMS)		READING (FATHOMS)					WATCH ID
05 55	1948	08 10	1928	10 25		1892		12 40			1909
06 00	1948		15 1925	10 30		1905		45			1909
05	1948	20	1939	35		1916		50			1909
10	1944	25	1946	40		1930		55			1909
15	1946	08 30	1944	45		1936		13 00			1909
20	1940	35	1936	50		1941		05			1909
25	1935	40	1932	55		1942		10			1909
06 30	1940	45	1894	11 00		1944		15			1909
35	1940	50	1895	05		1944		20			1909
40	1936	55	1900	10		1944		25			1910
45	1935	09 00	1920	15		1938		13 30			1910
50	1932	05	1940	20		1938		35			1909
55	1932	10	1954	25		1940		40			1909
07 00	1940	15	1956	11 30		1921		45			1909
05	1940	20	1959	35		1915		50			1909
10	1925	25	1964	40		1918		55			1909
15	1912	09 30	1959	45		1916		14 00			1909
20	1910	35	1958	50		1914		05			1911
25	1908	40	1958	55		1924		10			1912
07 30	1904	45	1958	12 00		1930		15			1915
35	1906	50	1944	05		1922		20			1931
40	1902	55	1918	10		1920		25			1931
45	1906	10 00	1895	15		1908		14 30			1929
50	1915	05	1874	20		1904		35			1918
55	1925	10	1866	25		1906		40			1902
08 00	1934	15	1868	12 30		1909		45			1914
05	1935	20	1882	35		1909		50			1936

BATHYMETRY

Cruise I.D. 24
 Leg No. 5
 Year 1977 TZ +6

Guatemala Slope Coring Project
 JD 151 31 May 1977 GMT

Time	Depth	(Z)	Time	Depth	Time	Depth	
MOON	DAY	TIME	RECORDING	(FATHOMS)	COMMENTS	WATCH	
1455	1944	1710	Lost Signal	1925	2818	2140	2832
1500	1948	1715	2740	1930	2822	45	2835
05	1949	20	2749	35	2822	50	—
10	1937	25	2733	40	2822	55	2719
15	1939	1730	2759	CORE 16 HIT 45	2823	2200	2730
20	1946	35	2676	1947 → 50	2824	05	2852
25	1980	40	2636	55	2824	10	2862
1530	2030	45	2730	2000	2824	15	2952
35	2074	50	2787	05	2825	20	3000
40	2085	55	2796	10	2824	25	3176
45	2116	1800	2802	15	2824	2230	3206
50	2106	05	2812	20	2824	35	3228
55	2137	10	2818	25	2824	40	3230
1600	2216	15	2816	2030	2824	45	3230
05	2234	20	2820	35	2824	50	3229
10	2208	25	2820	40	I change paper	55	3229
15	2246	1830	2820	45		2300	3229
20	2304	35	2822	50	2822	05	3229
25	2330	40	2822	55	2820	10	3229
1630	2336	45	2824	2100	2814	15	3229
35	2345	50	2822	65	2810	20	3229
40	2356	55	2822	10	2808	25	3229
45	2370	1900	2822	15	2804	2330	3229
50	2372	05	2821	20	2800	35	3229
55	2370	10	2821	25	2820	40	11
1700	2415	15	2821	2130	2834	45	11
05	2590	20	2821	35	2838	2350	11

BATHYMETRY

Cruise I.D. 24Leg No. 5Year 1977 TZ Guatemala Slope Coring Project
31 May 1977 - 1 June 1977
50 151 - 152

Time MONTH	Depth DAY	(Z) TIME	MATTHEWS ZONE	Time READING (FATHOMS)	Depth	Time	WATCH FD.
23 55	3229	10	3232	04 25	2703	06 40	2134
00 00	3229	15	3233	30	2698	45	2082
05	3230	20	3140	35	2674	50	2028
10	"	25	3130	40	2652	55	2000
41 ⁺ 15	"	0230	3088	45	2667	07 00	1978
#17 [→] 20	"	35	3077	50	2675	05	1970
25	"	40	3044	55	2688	10	1964
00 30	"	45	3050	05 00	2676	15	1832
35	"	50	2970	05	2646	20	1762
40	3231	55	2939	10	2613	25	1710
45	"	0300	2904	15	2550	30	1668
50	"	05	2907	20	2529	35	1628
55	"	10	2910	25	2524	40	1506
01 00	"	15	2876	30	2506	45	1472
05	S A M C	20	2850	35	2495	50	1432
10		25	2842	40	2483	55	1469
15		0330	2832	45	2448	08 00	1500
20		35	2823	50	2432	05	1574
25		40	2780	55	2407	10	1674
01 30		45	2742	06 00	2388	15	1696
35		50	2728	05	2354	20	1756
40		55	2740	10	2284	25	1808
45		0400	2752	15	2266	30	1838
50	✓	05	2718	20	2190	35	1904
55	3231	10	2707	25	2180	40	1954
02 00	3232	15	2700	30	2180	45	1973
05	3232	20	2707	35	2182	50	1980

BATHYMETRY

Cruise I.D. IG 24

Guatemala Slope Coring Project

Leg No. 05

1 June 1977

S.D. 152

Year 1977 TZ +6

		DEPTH		TIME		DEPTH	
TIME MONTH	DEPTH DAY	(2) TIME	MATTHEWS ZONE	READING (MATTHEWS)	DEPTH	COMMENTS	WATCH HRS
0855	2020	1115	2606	1330	3012	1545	3015
0900	2080	20	2571	35	3010	50	3016
05 10	2240	25	2520	40	3009	55	3013
15	2304	1130	2503	45	3011	1600	3012
20	2310	35	2570	50	3015	05	3012
25	2384	40	2612	55	3018	10	3010
0930	2404	45	2695	1400	3020	15	3010
35	2520	50	2770	05	3020	20	3010
40	2512	55	2840(?)	10	3021	25	3009
45	—	1200	2916	15	3021	1630	3008
50	2700?	05	2914	20	3022	35	3008
55	2746	10	2922	25	3023	40	3006
1000	2736	15	2984	30	3024	45	3006
05	2734	20	2971	35	3024	50	3006
10	2748	25	2957	40	3024	55	3006
15	2808	1230	2980	45	3026	1700	3006
20	2872	35	3010	50	3027	05	2953
25	2893	40	3060	55	3026	10	2934
1030	2908	45	3093	1500	3020	15	2937
35	2934	50	3116	05	3018	20	2975
40	2934	55	3072	10	3017	25	2960
45	2932	1300	3040	15	3017	30	2957
50	2900	05	3026	20	3016	35	2840
55	2872	10	3020	25	3016	40	2795
1100	2838	15	3013	1530	3015	45	2747
05	2815	20	3012	25	3016	50	2668
10	2726	25	3012	40	3016	55	2626

17

BATHYMETRY

Cruise I.D. IG 24
Leg No. 5
Year 1977 TZ +6

Guatemala Spring
Slope Project
1 June 1977 JD 152

23
↓

153

Time MOON	Depth DFT	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	COMMENTS	WATCH I.D.
1800	2624	2015	2640	2230	1700? 0045	586
05	2620	20	2644	35	1500 (?) 50	594
10	2616	25	2646	40	1400 (?) 55	591
15	2614	30	2647	45	1318 0100	596
20	2612	35	Charge Paper	50	1264 08	596
25	2610	40		55	1177 10	590
1830	2609	45		2300	1114 15	590
35	2608	50		05	1031 20	590
40	2607	55		10	944 25	608
45	2605	2100	2668	15	914 0130	638
50	2605	05	2670	20	890 35	680
55	2606	10	2674	25	811 40	729
1900	2606	15	2677	2330	731 45	810?
05	2608	20	2680	35	700 50	781
10	2610	25	2684	40	530 55	813
15	2612	30	—	45	520 0200	856
20	2615	35	—	50	546 25	904
25	2618	40	2430	55	544 10	754
30	2620	45	2380	2400	544 15	622
35	2622	50	2342	05	550 20	640
40	2626	55	2238	10	553 25	840
45	2628	2200	2168	15	556 0230	960
50	2630	05	2094	20	563 35	1107
55	2632	10	2000	25	566 40	1136
2000	2634	15	1930	0030	576 45	1126
05	2635	20	1846	35	578 50	1075
10	2638	25	1770	40	579 55	1056

BATHYMETRY

Cruise I.D. 24

JD 153 June 2, 1977

Leg No. 5

Year 1977 TZ +6

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
DOWN	DAY	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
03 00	1054	05 15	1672	07 30	2990	09 45	2560 (?)
05	1010	20	1716	35	3012	50	2512
10	983	25	1804	40	3038	55	2484
15	966	30	1920	45	3115	10 00	2476
20	960	35	1953	50	3126	05	2480
25	936	40	1999	55	3160	10	2480
30	932	45	2040	08 00	3170	15	2468
35	972	50	2051	05	3186	20	2420
40	1007	55	2059	10	3145	25	2412 (?)
45	1046	06 00	2090	15	3118	30	2372
50	1070	05	2140	20	3134	35	2346
55	1105	10	2260	25	3180	40	2318
04 00	1128	15	2344	30	3280	45	2283
05	1164	20	2350	35	3320	50	2258
10	1180	25	2430	40	—	55	2218
15	1192	30	2484	45	—	11 00	2214
20	1212	35	2550	50	—	05	2248
25	1240	40	2614	55	—	10	2262
30	1269	45	2682	09 00	3080 ?	15	2285
35	1306	50	2770	05	3066	20	2297
40	1308	55	2740	10	—	25	2328
45	1380	07 00	2710	15	2920	30	2346
50	1452	05	2696	20	2904	35	2388
55	1498	10	2714	25	2900	40	2427
05 00	1574	15	2738	30	2800	45	2462
05	1603	20	2778	35	2720	50	2480
10	1644	25	?	40	2642	55	2478

BATHYMETRY

Cruise I.D. 24
 Leg No. 5
 Year 1977 TZ +6

Guatemala Slope Coring Project
 2 Jun 77 S.D. 153

Time MONTH	Depth DAY	(Z) TIME	Matthews Zone	Time READING (FATHOMS)	Depth	Time	Depth
1200	2507	1415	3220	1630	2968	1845	1425
05	2560	20	3218	35	2882	50	1376
10	2610	25	3218	40	2886	55	1318
15	2672	14 30	3220	45	2897	1900	1298
20	2790	Core 21 1435	3218	50	2768	05	1252
25	2910	40	3218	55	Lost	10	1254
1230	2886	45	3218	1700	2600	15	1146
35	2860	50	3218	05	2511	20	1086
40	2880	55	3217	10	2510	25	1102
45	2870	1500	3217	15	2526	1930	900
50	2955	05	3218	20	2517	35	630
55	2980	10	3217	25	2460	40	620
1300	2990	15	3216	1730	2392	45	780 2
05	—	20	3224	35	2292	50	800 2
10	—	25	3225	40	2247	55	840
15	3226	1530	3229	45	2220	2000	850
20	"	35	3230	50	2156	05	858
25	"	40	3232	55	2094	10	864
1330	"	45	3230	1800	2028	Core #22 1435 15	870
35	"	50	3236	05	1978	20	870
40	3224	55	3236	10	1946	25	876
45	3223	1600	3236	15	1780	2030	882
50	3222	05	3234	20	1730	35	888
55	3221	10	Lost	25	1696	40	895
1400	3221	15	Signal	1830	1600	45	906
05	3220	20	—	35	1590	50	910
10	3220	25	2970	40	1510	2055	920

20

#24

BATHYMETRY

Cruise I.D. IG 24

Leg No. 05

Year 1977 TZ +6

Guatemala Slope Coring Project

2 June 1977 J.D. 153-154
→ 3 June "

TIME MONTH	DEPTH DAY	(Z) TIME	DEPTH MATTHEWS ZONE	TIME READING (FATHOMS)	DEPTH CORRECTIONS	TIME	DEPTH MATTHEWS ZONE
2100	950	2315	75	0130	485	0345	2354
05	896	20	75	35	548	50	2480
10	818	25	75	40	660	55	2508
15	764	2330	75	45	748	0400	2552
20	697	35	75	50	835	05	2580
25	608	40	75	55	900	10	2586
2130	532	45	75	0200	968	15	2620
35	370	50	75	05	1018	20	2574
40	270	55	75	10	1053	25	2516
45	237	2400	74	15	1064	0430	2482
50	202	05	74	20	1078	35	2410
55	146	10	74	25	1090	40	2310
2200	112	15	74	0230	1146	45	2254
05	84	20	74	35	1195	50	2183
10	79	25	79	40	1280	55	2090
15	76	2430	85	45	1335	0500	1989
20	75	35	85	50	1460	05	1880
25	73	40	85	55	1538	10	1804
2230	75	45	85	0300	1620	15	1700
35	77	50	85	05	1796	20	1605
40	77	55	84	10	1855	25	1554
45	77	0100	84	15	1896	0530	1506
50	76	05	87	20	2000	35	1438
55	76	10	116	25	2100	40	1385
2300	76	15	154	0330	2168	45	1348
05	76	20	218	35	2213	50	1314
10	75	25	420	40	2268	55	1260

BATHYMETRY

Guatemala Slope Coring Project

Cruise I.D. IG 24

Leg No. 05

3 June 1977 S.D. 154

Year 1977 TZ +6

TIME		DEPTH		TIME		DEPTH	
MOON	DAY	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	COMMENTS	TIME	DEPTH ID
06	00	0815	2730	1030		1245	60
05	1283	20	2698	35		50	57
10	1297	25	2700	40		15	56
15	1338	0830	2660	45		1300	54
20	1380	35	2572	50		05	52
25	1436	40	2488	55		10	49
06	30	45	2400	1100		15	46
35	1560	50	2308	05		20	45
40	1620	55	2270	10		25	42
45	1718	0900	2172	15		1330	40
50	1810	05	2040	20		35	38
07	05	10	1945	25		40	36
0700	1980	15	1878	1130		45	34
05	2104	20	1781	35		50	32
10	2162	25	1716	40		55	30
15	2322	0930	1664	45		1400	29
20	2390	35	1597	50		05	28
25	2500	40	1557	55		10	27
0730	2580	45	1517	1200		15	26
35	2618	50	1476	05		20	26
40	2690	55	1444	10		25	25
45	2702	1000	1380	15		1430	24
50	2710	05	1334	20		35	23
55	2734	10	1280	25		40	22
0800	2780	15	1250	1230		45	22
05	2900	20	1200	35		50	22
10	2790	25	1113	40		55	21

BATHYMETRY

Guatemala Slope Coring Project

Cruise I.D. IG-24Leg No. 05

3 June 1977

J.D. 154

Year 1977 TZ +6

TIME		DEPTH		TIME		DEPTH		TIME		DEPTH	
MONTH	DAY	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
15	00	20	17 15	14	19 30			21 45			
	05	20	20	13	35			50			
	10	19	25	12	40			55			
	15	19	17 30	11	45			22 00			
	20	19	35	11	50			05			
	25	18	40	10	55			10			
15	30	18	45	08	20 00			15			
	35	18	50	07	05			20			
	40	18	1751 55	Anchor in	10			25			
	45	17	18 00	San Jose,	15			22 30			
	50	17	05	Guatemala	20			35			
	55	17	10		25			40			
16	00	17	15		20 30			45			
	05	17	20		35			50			
	10	17	25		40			55			
	15	17	18 30		45			23 00			
	20	17	35		50			05			
	25	17	40		55			10			
16	30	17	45		21 00			15			
	35	17	50		05			20			
	40	17	55		10			25			
	45	17	19 00		15			23 30			
	50	16	05		20			35			
	55	16	10		25			40			
17	00	15	15		21 30			45			
	05	15	20		35			50			
	10	15	25		40			55			

BATHYMETRY

Cruise I.D. IG 24

Guatemala Slope Coing Project #25

Leg No. 05

4 June 1977 JD 155

Year 1977 TZ +6

		DEPTH		TIME		DEPTH	
TIME	DEPTH	(Z)	MEASUREMENTS	REMARKS	DEPTH	COMMENTS	DEPTH
MONTH	DAY	TIME	ZONE	(FATHOMS)			ID
0730	Leave San Jose	0945	27	1200	62	14 15	65
35	17	50	28	05	62	20	66
40	17	55	28	10	62	25	68
45	17	1000	30	15	62	30	70
50	17	05	31	20	62	35	72
55	18	10	32	25	62	40	74
0800	18	15	34	1230	62	45	76
05	18	20	36	35	61	50	80
10	18	25	38	40	61	55	84
15	18	1030	41	45	61	15 00	90
20	18	35	42	50	62	05	97
25	19	40	44	55	62	10	104
0830	19	45	46	1300	62	15	109
35	20	50	47	05	62	20	116
40	20	55	49	10	62	25	119
45	20	1100	52	15	62	30	120 124
50	20	05	54	20	62	35	124
55	20	10	55	25	62	40	136
0900	21	15	57	1330	63	45	Changing paper
05	21	20	59	35	63	50	" "
10	22	25	60	40	63	55	151
15	23	1130	61	45	63	16 00	152
20	23	35	62	50	63	05	160
25	24	40	62	55	63	10	172
0930	25	45	62	1400	63	15	178
35	25	50	62	05	64	20	~212
40	26	55	62	10	64	25	184

BATHYMETRY

Guatemala Slope Coring Project

4 June 1977

5 June 1977

J.D. 155

J.D. 156 #26

Cruise I.D. I.G. 24

Leg No. 05

Year 1977 TZ +6

TIME MONTH	Depth M	TIME	DEPTH M	TIME (RECORDS)	DEPTH M	TIME	DEPTH M
16 30	180	18 45	60	21 00	55	23 15	65
35	180	50	59	05	56	20	64
40	183	55	59	10	57	25	63
45	184	19 00	58	15	58	23 30	63
50	197	05	57	20	59	35	62
55	222	10	57	25	60	40	62
17 00	198	15	56	21 30	62	45	61
05	200	20	56	35	64	50	61
10	201	25	56	40	67	55	61
15	220	19 30	55	45	74	00 00	61
20	184	35	54	50	96	05	60
25	184	40	53	55	123	10	60
17 30	181	45	52	22 00	136	15	60
35	172	50	52	05	147	20	60
40	172	55	52	10	133	25	60
45	158	20 00	53	15	124	00 30	60
50	144	05	53	20	108	35	59
55	128	10	54	25	97	40	59
18 00	72	15	54	22 30	87	45	58
05	66	20	54	35	80	50	58
10	62	25	54	40	75	55	58
15	60	20 30	55	45	72	01 00	58
20	60	35	55	50	70	05	59
25	60	40	55	55	68	10	58
18 30	61	45	55	23 00	67	15	58
35	61	50	55	05	66	20	58
40	60	55	55	10	66	25	58

BATHYMETRY (fm)

Cruise I.D. 16-24

Leg No. 05

5/ June, 1977

Year 1977 TZ ---

Time Rdg Time Rdg Time Rdg

Time MONTH	Rdg DAY	TIME	MATTHEWS ZONE	READING (FATHOMS)		COMMENTS		WATCH I.D.
0130	59	03 45	164	06 00	72	08 15	42	01 30
35	59	50	158	05	71	20	42	35
40	59	55	151	10	69	25	42	40
45	60	04 00	144	15	68	08 30	42	45
50	60	05	136	20	67	35	41	50
55	60	10	128	25	65	40	41	55
0200	61	15	118	06 30	62	45	40	00
05	62	20	109	35	60	50	40	05
10	62	25	100	40	59	55	40	10
15	63	04 30	95	45	56	09 00	40	15
20	65	35	86	50	55	05	40	20
25	67	40	84	55	52	10	39	25
0230	73	45	82	07 00	52	15	39	30
35	147	50	81	05	51	20	39	35
40	182	55	79	10	50	25	38	40
45	212	05 00	79	15	50	09 30	38	45
50	258	05 05	78	20	49	35	38	50
55	264	10	78	25	48	40	38	55
0300	261	15	75	07 30	48	45	38	12 00
05	218	20	74	35	47	50	38	05
10	270	25	74	40	47	55	37	10
15	336	05 30	78	45	46	10 00	37	15
20	260	35	78	50	46	05	37	20
25	200	40	76	55	46	10	37	25
0330	190	45	75	08 00	45	15	36.5	12 30
35	179	50	74	05	44	20	36.5	35
40	172	55	73	10	44	25	36	40

BATHYMETRY

Cruise I.D. IG 24Leg No. 05Year 1977 TZ +6

5/June/77

J.D. 156

READING				READING				READING	
TIME MONTH	READING DAY	(Z) TIME	MATTHEWS ZONE	TIME (F-RECORDS)	READING	TIME	READING COMMENTS	TIME	READING COMMENTS
45	49	1500	64	17 15	69	1930	60	45	44
50	53	05	65	20	69	35	59	50	44
55	52	10	66	25	69	40	58	55	44
13 00	54	15	67	1730	69	45	57	22 00	43
05	55	20	68	35	69	50	56	05	43
10	55	25	68	40	68	55	55	10	43
15	56	1530	68	45	68	2000	54	15	42.5
20	56	35	68	50	68	05	53	20	42
25	56	40	68	55	68	10	52	25	42
1330	57	45	69	1800	68	15	51	2230	42
35	57	50	69	05	66	20	51	35	42
40	57	55	69	10	66	25	50	40	42
45	56	16 00	69	15	65	2030	50	45	42
50	56	05	69	20	65	35	49	50	42
55	56	10	69	25	65	40	49	55	42
14 00	57	15	69	18 30	65	45	48	23 00	42
05	57	20	69	35	65	50	48	05	42
10	58	25	69	40	64	55	48	10	42
15	58	16 30	69	45	64	21 00	48	15	42
20	58	35	69	50	64	05	47	20	42
25	58	40	69	55	63	10	47	25	42
14 30	58	45	69	19 00	63	15	46	2330	42
35	59	50	69	05	63	20	46	35	42
40	60	55	69	10	62	25	45	40	43
45	61	17 00	69	15	61	21 30	45	45	43
50	62	05	69	20	61	35	44	50	43
55	63	10	69	25	60	40	44	55	43

BATHYMETRY

Cruise I.D. IG 24
 Leg No. 05
 Year 77 TZ +6

6 JUNE 1977
 J.D. 157

#27

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
0000	43	02 15	43	0430	56	45	42
05	43	20	43	35	58	50	42
10	43	25	43	40	59	55	43
15	43	0230	43	45	59	0700	43
20	42	35	43	50	60	05	43
25	42	40	43	55	60	10	43
0030	42	45	43	0500	0457 trouble within P.T.R. equipment	15	43
35	43	50	44	05		20	43
40	43	55	44	10		25	43
45	43.5	0300	44	15		0730	43
50	43	05	44	20		35	43
55	44	10	43	25		40	43
0100	43	15	43	0530	54	45	43
05	44	20	43	35	52	50	43
10	44	25	40	40	51	55	43
15	44	0330	43	45	49	0800	43
20	45	35	43	50	46	05	43
25	44	40	46	55		10	44
0130	43	45	46	0600	44	15	44
35	43	50	46	05	44	20	45
40	43	55	46	10	44	25	45
45	43	0400	48	15	43	0830	46
50	44	05	50	20	43	35	46
55	44	10	52	25	43	40	46
0200	44	15	53	0630	43	45	47
05	44	20	54	35	43	50	47
10	44	25	55	40	43	55	47

BATHYMETRY

Cruise I.D. IG 24
 Leg No. 05
 Year 1977 TZ +6

6 JUNE 77

J.D. 157

MOONSH	DAY	(2)	TIME	TIME	TIME	TIME	TIME	TIME	TIME
1115	56	1330	50	45	42	1800	48	15	51
20	57	35	50	50	43	05	48	20	52
25	57	40	49	55	44	10	47	25	54
1130	57	45	48	1600	44	15	47	2030	57
35	58	50	47	05	43	20	47	35	60
40	57	55	47	10	43	25	47	40	62
45	58	1400	47	15	43	1830	47	45	62
50	57	05	46	20	43	35	47	50	61
55	57	10	46	25	43	40	48	55	61
1200	58	15	46	1630	43	45	48	2100	59
05	56	20	46	35	44	50	48	05	58
10	55	25	46	40	44	55	48	10	58
15	53	1430	46	45	45	1900	48	15	56
20	52	35	46	50	45	05	48	20	55
25	52	40	46	55	46	10	48	25	54
1230	51	45	45	1700	47	15	48	2130	57
35	51	50	45	05	48	20	48	35	49
40	51	55	44	10	48	25	48	40	48
45	51	1500	44	15	48	1930	48	45	48
50	51	05	43	20	49	35	48	50	48
55	51	10	44	25	50	40	48	55	47
1300	50	15	43	1730	49	45	48	2200	47
05	50	20	42	35	49	50	48	05	47
10	50	25	42	40	49	55	49	10	47
15	50	1530	42	45	49	2000	50	15	47
20	50	35	42	50	48	05	50	20	47
25	50	40	42	55	48	10	51	25	47

BATHYMETRY

Cruise I.D. IG 24

6/7 JUNE 1977

Leg No. 05

J.D. 157/158

Year 1977 TZ +6

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
2230	47	45		0300	15	0730			
35	47	50		05	20	35			
40	47	55		10	25	40			
45	46	0100		15	0530	45			
50	46	05		20	35	50			
55	45	10		25	40	55			
2300	45	15		0330	45	0800			
05	44	20		35	50	05			
10	45	25		40	55	10			
15	45	0130		45	0600	15			
20	44	35		50	05	20			
25	44	40		55	10	25			
2330	44	45		0400	15	0830			
35	44	50		05	20	35			
40	44	55		10	25	40			
45	44	0200		15	0630	45			
50	44	05		20	35	50			
55	44	10		25	40	55			
0000		15		0430	45	0900			
05		20		35	50	05			
10		25		40	55	10			
15		30		45	0700	15			
20		35		50	05	20			
25		40		55	10	25			
0030		45		0500	15	0930			
35		50		05	20	35			
40		55		10	25	40			

WIND ~~1200~~
 from ~~1200~~ beginning
 1977
 JUN 7 1977

CRUISE IG 24-05			AREA PACIFIC OCEAN			PROJECT GUATEMALA - MEXICO SHELF			DATE 7-VI-77		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	44	0300	61	0600	98	0900	79	1200	80	1500	64
05	44		62		96		79		79		64
10	44		63		95		80		78		63
15	44		64		94		80		77		63
20	44		66		93		80		76		63
25	43		68		92		80		75		63
0030	43	0330	69	0630	92	0930	80	1230	74	1530	63
35	43		71		91		80		73		63
40	43		72		90		80		72		64
45	43		74		90		80		71		64
50	43		76		90		80		71		64
55	44		77		90		80		70		64
0100	44	0400	78	0700	90	1000	80	1300	69	1600	64
05	45		80		90		80		69		66
10	45		81		89		80		69		66
15	46		83		89		80		68		67
20	46		84		88		81		68		68
25	47		85		88		83		68		69
0130	48	0430	86	0730	88	1030	83	1330	69	1630	70
35	49		87		88		83		69		73
40	50		89		87		83		69		110
45	51		90		86		84		69		176
50	52		92		85		84		69		97
55	52		92		84		84		69		73
0200	53	0500	92	0800	83	1100	85	1400	69	1700	74
05	53		93		82		85		69		78
10	54		94		81		86		69		77
15	54		96		80		86		69		72
20	54		97		80		86		69		75
25	—		98		80		86		69		79
0230	55	0530	100	0830	79	1130	85	1430	69	1730	82
35	56		105		79		84		69		82
40	57		106		79		83		68		83
45	58		106		79		82		68		84
50	59		103		79		82		68		86
55	60		100		79		81		67		86

Depth
7 JUNE 77
J.D. 158
Fathoms

80

CRUISE			AREA			PROJECT			DATE		
IG 24-05			PACIFIC OCEAN GO-1			GUATEMALA - MEXICO SHELF : MAT			8 JUNE 77		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	236	0300		0600	310	0900	447	1200	688	1500	1024
05	162				350		424		710	1030	1246
10	146				362		402		754	1000	1220
15	140				340		377		772	976	1178
20	140				336		344		792	1000	1168
25	140				351		327		808	1012	1141
0030	139	0330	250	0630	366	0930	300	1230	795	1530	1020
35	138				400		286		827	1080	1170
40	137				474		276		854	1160	1220
45	137		236		562		272		880		1330
50	137		265		690		274		934	1470	1410
55	138		252		711		280		998	1525	1348
0100	142	0400	278	0700	798	1000	336	1300	965	1600	1318
05	145		303		760		276		1106	1336	
10	191		297		1012		298		1105	1340	1041
15	270		395		902		320		1110	1269	1042
20	395		484		866		350		1117	1285	1055
25	391		515		800		342		1090	1326	1052
0130	480	0430	510	0730	758	1030	394	1330	1160	1630	1323
35	532		559		740		350		1192	1318	1084
40	448		485		632		336		1230	1344	1111
45	330		466		612		346		1272	1366	1124
50	260		430		588		360		1340	1425	1132
55	304		436		582		396		1458	1458	1124
0200	262	0500	388	0800	560	1100	428	1400	1456	1700	1457
05	240		344		566		411		1410	1482	1054
10	218		344		565		470		1387	1468	1096
15	215		320		538		539		1356	1390	1094
20	175		324		557		522		1306	1372	1130
25	173		370		486		524		1271	1340	1135
0230	138	0530	360	0830	466	1130	567	1430	1231	1730	1326
35	132		380		475		561		1192	1297	1112
40			364		475		620		1103	1288	1111
45			328		460		606		1064	1307	1080
50			322		456		660		1058	1315	1094
55			314		449		707		1044	1305	1092

DEPTH
8 JUNE 77
J.D. 159
(fathoms)

CRUISE IG 24 -05				AREA PACIFIC OCEAN				PROJECT OAXACA - MEXICO : MAT				DATE 9 JUNE 77			
TIME		TIME		TIME		TIME		TIME		TIME		TIME		TIME	
0000	738	0300	730	0600	1020	0900	856	1200	43	1500	190	1800	1780	2100	2512
05	730		732		1034		780		40		215		1727		2507
10	706		732		1052		724		37		224		1740		2482
15	686		728		1067		693		36		303		1736		2464
20	659		750		1072		638		29		350		1753		2452
25	656		786		1080		595		26		410		1783		2449
0030	641	0330	830	0630	1023	0930	573	1230	25	1530	454	1830	1898	2130	2490
35	628		878		1003		542		26		484		1920		2431
40	627		924		979		531		27		512		1990		2414
45	637		—		959		515		30		541		—		2406
50	658		—		942		491		27		562		2320		2406
55	688		—		951		464		31		583		2299		2480
0100	702	0400	1140	0700	964	1000	443	1300	33	1600	592	1900	2296	2200	2344
05	720		1190		973		418		35		610		2268		2334
10	734		—		982		400		34		645		2227		2324
15	748		—		977		370		38		694		2210		2320
20	773		1030		978		490		45		752		2222		2310
25	775		1034		965		938		51		810		2286		2296
0130	784	0430	1054	0730	955	1030	914	1330	54	1630	840	1930	2328	2230	2270
35	784		1042		949		770		58		876		2516		2266
40	776		980		948		746		61		903		2528		2260
45	770		962		956		732		65		928		2514		2256
50	758		—		978		718		70		956		2484		2249
55	742		957		1020		596		75		980		2462		2244
0200	720	0500	938	0800	1057	1100	UGR	1400	82	1700	990	2000	2586	2300	2219
05	712		990		1075		paper change		88		1024		2584		2214
10	698		1024		1060		here		92		1064		2583		2214
15	684		1024		1032		308		100		1104		2586		2216
20	680		1020		1015		200		106		1170		2593		2207
25	678		1004		1007		110		114		1240		2593		2185
0230	670	0530	977	0830	990	1130	61	1430	120	1730	1297	2030	2592	2330	2144
35	676		956		971		52		128		1341		2589		2132
40	677		950		952		48		136		1382		2572		2065
45	704		961		936		46		145		1500		2560		2032
50	720		983		920		45		156		1746		2524		2000
55	728		1004		899		43		170		1736		2516		

Depth
9 June 77
J.D. 160
(fathoms)

32

CRUISE IG-24-05			AREA PACIFIC OCEAN			PROJECT Oaxaca-Mexico: MAT			DATE 10-JUNE-77		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	1982	0300	2202	0600	1059	0900	68	1200	43	1500	772
05	2026	~	2250		1006		65		52		786
10	2088	~	2310		956		61		66		783
15	---		---		921		60		102		770
20	---		---		878		59		124		774
25	2090		---		890		56		139		778
0030	---	0330	2545	0630	870	0930	75	1230	153	1530	786
35	---		2525		833		55		164	~	800
40	2323		2486		823		52		179		822
45	2330	~	2450		876		47		194		837
50	2357	~	2400		783		42		207		859
55	2355		2375		747		37		221		894
0100	2346	0400	2356	0700	706	1000	32	1300	232	1600	935
05	2352		2358		703		31		242		980
10	2368	~	2320		698		34		253		1005
15	2383	~	2260		660		35		264		1080
20	2381	~	2190		620		36		281		1160
25	2354	~	2110		577		37		290		1260
0130	2316	0430	2026	0730	512	1030	37	1330	318	1630	1400
35	2316		1968		480		37		310		1450
40	2337		1920		434		37		330		1520
45	2333		1876		370		37		340		1560
50	2334		1840		316		37		358	~	1586
55	2324		1829		268		36		381	~	1760
0200	2342	0500	1812	0800	216	1100	34	1400	400	1700	1866
05	2300		1790		180		33		429		1910
10	2180		1792		152		33		459		1966
15	2135		1792		130		35		505		2010
20	2120		1806		114		38		544		2065
25	2090	~	1680		105		38		570		2136
0230	2130	0530	1608	0830	96	1130	38	1430	607	1730	2220
35	2185		1500		88		37		635		2295
40	2244		1435		82		38		654		2350
45	2228	~	1370		78		37		682		2390
50	2204		---		75		38		712	~	2450
55	2184		1116		70		40		746	~	2635
											2342
											2380
											2360
											2292
											2256
											2342

Depth
10 JUNE 77
J.D. 161

(3)

(33)

CRUISE IG 24-05			AREA Pacific Ocean			PROJECT Oaxaca-Mexico : MAT			DATE 11 JUNE 77							
TIME		TIME		TIME		TIME		TIME		TIME		TIME				
0000	2052	0300	2065	0600	1972	0900	726	1200	108	1500	266	1800	1063	2100	2527	
05	2050		2060		1932		696		60		268		1100		2520	
10	2040		2056		1938		656		43		266		1126		2495	
15	2020		2026		1934		610		41		274		1230		2492	
20	2015		2032		1931		584		40		301		1319		2467	
25	2026	~	2074		1928		562		39		333		1337		2468	
0030	2050	0330	2200	0630	1930	0930	551	1230	40	1530	346	1830	1398	2130	2456	
35	2043		2220				537		40		374		1451		2446	
40	2016	~	2280				504		40		388		1483		2444	
45	2016	~	2400		1514		478		39		394		1533		2452	
50	1992		2416		1416		454		39		392		1560			
55			2426		1332		425		39		380		1620	?	2434	
0100		0400	2448	0700	1280	1000	400	1300	39	1600	380	1900	1687	2200	2392	
05		~	2510		1259		384		39		392		1716		2384	
10			2558		1217		376		39		408		1790		2394	
15			2580		1193		354		39		406		1821			
20			2590		1175		334		39		395	~	1918			
25	~	1600	2590		1166		328		39		380		1952		2527	
0130	1610	0430	2585	0730	1134	1030	322	1330	39	1630	386	1930	1976	2230	2504	
35	1640		2602		1100		306		39		418	~	2020		2482	
40			2624		1066		296		39		433	~	2050		2460	
45		~	2660		1018		285		40		474	~			2400	
50			2670		973		276		45		500	~			2388	
55	2027	~	2720		944		267		50		514	~	2380		2376	
0200	2010	0500	2760	0800	922	1100	257	1400	54	1700	570	2000	~	2450	2300	2346
05	1944		2697		892		260		60		645		2578		2322	
10	1885	~	2620		874		233		67		678		2562		2328	
15	1890	~	2550		854		220		78		714	~	2590		2278	
20	1890		2530		834		206		90		760		2675		2259	
25	1892		2480		821		184		106		834		2725		2248	
0230	1908	0530	2400	0830	884	1130	181	1430	118	1730	880	2030	2723	2330	2238	
35	1912	~	2260		804		239		130		916		2717		2236	
40	1956	~	2140		791		196		142		926		2654			
45	1988		2092		779		184		156		945		2578			
50	2005		2060		760		156		187		1003		2548			
55	2040		2046		744		132		243		1030		2532			

Depth
11 JUNE 77
J.D. 162

Depth rising
sharply to 1100

(32)

③③
Depth
12 JUNE 77
J.D. 163

CRUISE		AREA				PROJECT				DATE						
IG 24-05		Pacific				Oaxaca Mar MAT (Corine)				13 June 77						
TIME		TIME		TIME		TIME		TIME		TIME		TIME				
0000	2107	0300	912	0600	2600	0900	2136	1200	2567	1500	2495	1800	2236	2100	1985	
05	2044		904	~	2660				2560		2496		2232		-	
10	2035		879		2730				2558		2480		2230		-	
15	2070		887		2782		2350		2544		2461		2230		-	
20			912		2790		2366		2544		2450		2232		-	
25			944		2720		2420		2539	~	2440		2234		1740	
0030		0330	930	0630	2690	0930	2455	1230	2540	1530	2400	1830	2246	2130	1720	
35	~	1240	912		2682		2450		2518				2244		1700	
40	~	1160	894		2698		2480		2506	~	2400		2262		1680	
45	~	1135	932		2664		2538		2502	~	2380		2263	~	1630	
50	~	11440	918		2620		2570		2498		2338		2306	~	1630	
55			930		2585		2576		2500	~	2270		2310		1620	
0100		0400	932	0700	2542	1000	2547	1300	2500	1600	2191	1900	~	2100	2200	1700
05			903		2546		2580		2502		2144		1986			
10			877		2500		2576		2502		2190		1995			1970
15	~	1426	832		2420		2526		2506		2228		2000			1746
20	1294		844		2376		2550		2507		2252	?	2000			1660
25	1100		857		2353		2525		2508		2234	?	2000			1630
0130	1002	0430	860	0730	2390	1030	2525	1330	2510	1630	2260	1930	?	2000	2230	1630
35	970		872	~	2400		2506		2512	~	2330	?	2000			1605
40	982		926	~	2445		2479	13452	2510		2334		1990			1680
45	972		1030		2470		2460	13452	2512		2321		1992			1710
50	968		1105		2562		2490	Bottom	2512		2316	1956	2000			1740
55	980		1200		2626		2524		2514		2308	1956	2015			1770
0200	990	0500	1300	0800	2572	1100	2524	1400	2506	1700	2304	2000	?	2020	2300	1788
05	994		1460		2556		2504		2502		2297	?				1760
10	965	~	1600		2596		2513		2501		2293		2039			1760
15	950		1774				2521		2500		2290		2039			1760
20	938		1874	~	2388		2540		2498		2256		2040			1755
25	940		1962		2382		2553		2496		2252		2040			1753
0230	932	0530	2070	0830	2340	1130	2558	1430	2495	1730	2250	2030	2040	2330		1751
35	914	~	2180		2380		2566		2495	1730	2263		2041			1746
40	915	~	2270		2393		2565		2496	Hit	2258		2044			1743
45	954	~	2420		2352		2568		2503	Bottom	2252		2046			1740
50	952		2478		2268		2565		2510	(1735)	2244		2050			1740
55	926		2546		2200		2562		2514		2238		2032			1737

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(File 34)

(30)

Tape #4
File #6

Fathoms

LOG

PAGE

OF

CRUISE			AREA			PROJECT			DATE		
IG-24-5			Pacific Ocean			Oaxaca, Mexico: MAT			14 June 1977		
									JD 165		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	1735	0300	800	0600	825	0900	1114	1200	2802	1500	2832
											1800
											1026
											2100
											1012
05	1734		806		804		1137		2767		2832
											993
											1020
10	1735		804		792		1145		2790		2832
											1018
											1072
15	1730		813		805		1162		2822		2832
											1130
											1166
20	1720		834		802		1200		2872		2832
											1132
											1275
25	1715		852		820		1234		2690		2832
											1134
											congen →
											1272
0030	1710	0330	836	0630	818	0930	1272	1230	2692	1530	2832
											1830
											1128
											2130
											1280
35	1696		838		856		1330		2700		2832
											1135
											1355
40	1688		818		832		1400		2714		2832
											1072
											1400
45	1682		794		848		1421		2736		2832
											1060
											1943
50	1675		760		870		1438		2790		2832
											1832
											1052
55	1632		740		872		1470		2808		2832
											18532
											1042
											1945
0100	1660	0400	734	0700	872	1000	1524	1300		1600	2832
											1900
											1030
											2200
											1948
05	1658		754		866		1570				2832
											964 side
											1016
											1947
10	1640		802		855		1620			~	2800
											956
											1810
15	1630		844		839		1744				2725
											948
											1845
20	1600		837		803		1810				2702
											940
											1945
25	1520		835		718		1930				2702
											932
											1950
0130	1485	0430	840	0730	650	1030	2450	1330		1630	2650
											1930
											924
											2230
											1946
35	1526		851		614		Tom Steep			~	2400
											918
											1940
40	1532		878		581		Last				2300
											908
											1930
45	1522		852		596						2050?
											901
											1928
50	1440		832		538						2006
											894
											1926
55	1384		822		528		2590?				---
											853
											1025
0200	1250	0500	790	0800	502	1100	2726	1400	2830	1700	1966
											2000
											840
											2300
											1924
05	---		774		470		2705		2829		1844
											811
											1922
10	926		736		327		2705		2832		1808
											782
											1920
15	802		720		624		2690		2832		1744
											761
											1921
20	781		716		778		2710		2832		1526
											764
											1917
25	820		718		668		2745		2832		1440
											788
											1931
0230	834	0530	750	0830	682	1130	2830	1430	2832	1730	1324
											2030
											826
											2330
											1510
35	838		784		860		2825		2832	~	950
											860
											1908
40	828		844		750		2825		2832		920
											914
											1506
45	814		874		1038		2832		2832		964
											984
											1904
50	804		855		1092		2832	417 #31	2832		1005
											1020
											1900
55	798		828	1057	811	1134	2832		2832		1132
											1031
											1901

End side echo ridge

(37)

CRUISE			AREA			PROJECT						DATE			
Ib-24-5			TAC OC			GUA-MEX MARGIN						15 VI, '79			
TIME		TIME		TIME		TIME		TIME		TIME		TIME			
0000	1872	0300	2336	0600	1117	0900	592	1200	1764	1500	648	1800	1902	2100	35
05	1890		2308?		1112		637		1932		600		1116		35
10	1888		2228?		105		666		1702		535		77		36
15	1888		2190?		99		690		1891		502		82		36
20	1888 ~		2220?		102		713		1882		508		100		36
25	1888		2196?		111		730		1774		558		1115		36
0030	1888	0330	2176	0630	1118	0930	735	1230	1612	1530	608	1830	120	2130	36
35	1889		2124?		123		762		1513		654		130		36
40	1890 ~		2150?		128		778		1400		670		136		36
45	1890		1850?		133		822		1338		650		148		36
50	1910		1760?		138		868		1343		617		116		36
55	2000		1688?		139		915		1353		576		100		36
0100	2047	0400	1590	0700	140	1000	961	1300	1358	1600	568	1900	92	2200	35
05	2077		1456		142		1025		1364		552		90		35
10	2120		1362		143		1090		1374		540		73		35
15	2206		1264		145		1157		1380		536		51		34
20	2308		1200		154		1260	HIT #32	1384		538		47		34
25 ~	2400		1122		168		1400	1384 HIT	1386		535		45		28
0130	2474	0430	1020	0730	181	1030	1544	1330	1386	1630	532	1930	45	2230	22
35	2520		896		191		1600		1400	1633 HIT	530	1930#	45		26
40	2579		778		201		1650		1404 #35		528	HIT #36-	45		30
45	2664		738		213		1720		1410		524		46		31
50	2698		676		228		1936		1426		522		47		34
55	2840		627		242		1938				522		48		40
0200	2842	0500	588	0800	260	1100	1968	1400	1476	1700	530	2000	49	2300	45
05	2849		545		278		1980		1476		511		49		54
10	2850		492		296		1991		1372	~	420		42		67
15	2850		438		322		2047	~	1190		363		39		90
20	2800		389		328		2124		1080		296		38		106
25	2742		342		340		2153		924		274		35		119
0230	2730	0530	304	0830	372	1130	2270	1430	850	1730	181	2030	34	2330	137
35	2672		252		380		2460		830		152		34		163
40	2610		208		412		2336		856		206		34		240
45	2570		172		443		2230		842		200		34		350
50			138		482		2118		776		158		34		450
55	2340?		124		540		2052		724		122		34		520

DEPTH

LOG

PAGE

OF

CRUISE		AREA		PROJECT		DATE	
IG24-5		PAC - MAT				16 JUNE 77	
TIME		TIME		TIME		TIME	
0000	556	0300	732	0600	567	0900	291
05	596		890		562		25
10	720		884		552		22
15	828		876		540		18
20	900		864		540		15
25	942		864		534		14
0030	958	0330	900	0630	541	0930	14
35	1002		976		553		12
40	1050		1058		581		11
45	1110		1126		602		14
50	1280		1198		620		11
55	1374	~	1230		606		12
0100	1424	0400	1286	0700	616	1000	14
05	1600		1334		620		16
10	1516	~	1334		594		19
15	1504		1352		571		24
20	1538		1370		530		33
25	1492		1412		478		42
0130	1491	0430	1425	0730	420	1030	55
35	1500		1426		400		69
40	1512		1394		400		144
45	1528	~	1340		410		71
50	1368		1304		460		64
55	1251		1234		440		62
0200	1182	0500	1180	0800	220	1100	61
05	1107		1160		157		1400
10	1070		1154		126		1700
15	1062		1043		103		2000
20	1106		974		86		2300
25	1087		939		73		
0230	1037	0530	896	0830	61	1130	1430
35	1014	~	960		53		1730
40	1024	~	800?		46		2030
45	1033		652		41		2330
50	1048		596		38		
55	1004		581		33		

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ARRIVE

ACapulco, MEXICO

END

IG24-5

(29)