

CRUISE				AREA				PROJECT				DATE			
IG 24-5				Guatemala Slope								May 26, 1977			
TIME		TIME		TIME		TIME		TIME		TIME		TIME		TIME	
0000		0300		0600		0900		1200		1500	40069	1800		2100	
05											68				
10											60				
15											60				
20											58				
25											53				
0030		0330		0630		0930		1230		1530	40054	1830		2130	
35											52				
40								1242	40263						
45								1245	40250						
50								1250	40260						
55								1255	40250						
0100		0400		0700		1000		1300	40241	1600		1900		2200	
05									40220						
10									40210						
15									40208						
20									40185						
25									40200						
0130		0430		0730		1030		1330	40200	1630		1930		2230	
35									40190						
40									40183						
45									40180						
50									40178						
55									40194						
0200		0500		0800		1100		1400	40160	1700		2000		2300	
05									40168						
10									40140						
15									40123						
20									40142						
25									40131						
0230		0530		0830		1130		1430	40125	1730		2030		2330	
35									40126						
40									40093						
45									40095						
50									40087						
55									40079						

MAGNET IN
to SHIP
CORING

NO new
form

changed
form

File
14

Cruise I.D. 24-5

Magnetics

Leg No. 5

May 27, 1977

Year 1977 TZ +6

JD 147

Time	Time	(Z) TIME	MATTHEWS TIME	Time	REMARKS (FATHOMS)	Time	COMMENTS	Time	WATCH LOG
0230	39855	0445	39878	0700	39920	0915	40015	1130	40079
0235	39856	50	39887	05	39914	20	40016	35	40098
0240	39851	55	39878	10	39907	25	40018	40	40094
0245	39855	0500	39895	15	39904	0930	40020	45	40117
0250	39862	05	39888	20	39896	35	40018	50	40105
0255	39872	10	39890	25	39893	40	40015	55	40092
0300	39885	15	39884	0730	39890	45	40019	1200	40078
05	39885	20	39886	35	39892	50	40017	05	40062
e 10	39890	25	39888	40	39894	55	40020	10	40052
f 15	39898	0530	39892	45	39902	1000	40028	15	40043
2 20	39895	35	39895	50	39904	05	40041	20	40031
25	39906	40	39898	55	39910	10	40048	25	40024
0330	39903	45	39908	0800	39918	15	40056	1230	40019
35	39895	50	39920	05	39928	20	40063	35	40015
e 40	39896	55	39918	10	39942	25	40065	40	40011
f 45	39890	0600	39918	15	39950	1030	40069	45	40007
50	39884	05	39917	20	39948	35	40072	50	40001
55	39875	10	39917	25	39946	40	40074	55	39992
0400	39870	15	39917	0830	39950	45	40065	1300	39986
05	39871	20	39917	35	39960	50	40074	05	39979
e 10	39875	25	39926	40	39970	55	40064	10	39971
f 15	39875	0630	39926	45	39980	1100	40071	15	39965
20	39877	35	39925	50	39988	05	40069	20	39952
25	39881	40	39925	55	39994	10	40065	25	39937
0430	39887	45	39928	0900	40002	15	40072	1330	39931
35	39876	50	39925	05	40006	20	40076	35	39922
40	39874	55	39923	10	40009	25	40077	40	39919

BATHYMETRY

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

May 27 - 1977
SD 147

3

Time MONTH	Day	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	Time	Comments	Time	Watch I.D.
13	45	39906	1605	39872	1820			
50	39901	10	64	25				
55	39895	15	39859	1830				
1400	39888	20	OFF GR	35				
05	81	25	CORING	40				
10	75	16 30		45				
15	76	35		50				
20	80	40		55				
25	75	45		1900				
1430	39864	50						
35	59	55						
40	56	1700						
45	57	05						
50	61	10						
55	71	15						
1500	39887	20						
05	39907	25						
10	11	17 30						
15	39892	35						
20	62	40						
25	34	45						
1530	39833	50						
35	58	55						
40	78	1800						
45	88	05						
50	91	10						
1600	39880	15						

Maggie
~~SECRET~~

File 16

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

MAY 28, 1977
JD 148

Time = GMT

Time	Rdg	(Z) TIME	MAGNETIC Rdg TIME	READING TIME	Time	Reading G.M.S.T.	Time	WATCH Reading	
0235	39541	0450	39391	0705	39256	0920	39322	1135	39365
40	34	55	83	10	39249	25	39324	40	374
45	30	0500	39377	15	39250	0930	39324	45	385
50	25	05	69	20	39244	35	39325	50	390
55	21	10	60	25	39236	40	39327	55	400
0300	39516	15	54	0730	39234	45	39331	1200	404
05	13	20	46	c/c to 018° 35	39233	50	332	05	409
10	11	25	37	40	39234	55	335	10	413
15	09	0530	39327	45	39235	1000	338	15	417
20	08	35	23	50	39237	05	338	20	424
25	06	40	18	55	39236	10	340	25	425
0330	39502	45	15	0800	39238	15	338	1230	428
35	39499	50	15	05	39241	20	339	35	428
40	96	55	11	10	39243	25	338	40	423%
45	87	0600	39309	15	39252	1030	318	45	426
50	81	05	39308	20	39254	35	319	50	428
55	39425	10	29309	25	39253	40	321	55	428
0400	39463	15	39306	0830	39258	45	323	1300	429
05	54	20	39308	35	39264	50	327	05	431
10	41	25	39305	40	39274	55	333	10	435
15	31	0630	39303	45	39280	1100	333	15	440
20	39421	c/c to 108° 35	39298	50	39285	05	339	20	444
25	15	40	39272	55	39288	10	342	25	449
0430	39424	45	39271	0900	39296	15	346	1330	460
35	13	50	39268	05	39308	20	348	35	465
40	39405	55	39264	10	39307	25	354	40	471
45	39399	0700	39256	15	39322	1130	359	45	478

MAG -BATHYMETRY

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

May 28, 1977
50148

time = GMT

Time MONTH	Rdg DAY	TIME	MATTHEWS ZONE	time (FATHOMS)	READING (FATHOMS)	Rdg	time	Comments	time	WATCH +0
1350	492	1605	39661	1820	39693	35			50	
55	497	10	67	1825	39676	40			55	
1400	503	15	72	1830	39668	45			2300	
05	39510	20	73	35	39656	50			05	
10	16	25	76	40	39646	55			10	
15	21	1630	39678	45	39644	2100			15	
20	25	35	83	50	39638	05			20	
25	32	40	88	55	39637	10			25	
1430	39537	45	93	1900	39634	15			30	
35	40	50	98	05	39624	20			35	
40	47	55	98	10	39619	25			40	
45	53	1700	39697	15	39608	30			45	
50	58	05	97	20	39598	35			50	
55	68	10	97	25	39588	40			55	
1500	39574	15	98	30	39581	45				
05	83	20	96	35	39577	50				
10	92	25	95	40	1937 magin picked out	55				
15	99	1730	39697	45		2200				
20	39605	35	39717	50		05				
25	14	40	39711	55		10				
1530	39622	45	09	2000		15				
35	30	50	06	05		20				
40	36	55	04	10		25				
45	42	1800	39707	15		30				
50	48	05	39708	20		35				
55	55	10	39704	25		40				
1600	39659	15	39697	30		45				

MAG.
BARTON

(17) ⑥

GMT-time

Cruise I.D. 24

Leg No. 5

May 29, 1977

JD 149

Year 1977 TZ +6

Time MONTH	Rdg DAY	(Z) TIME	Rdg MATTHEWS ZONE	READING FAHRENHEIT Time	Time	Rdg GROSS Time	Time	Rdg WEIGHT Time	
0100	39586	0315	39673	0530	39883	0745	40036	1000	39692
05	586	20	82	35	76	50	40038	05	686
10	591	25	90	40	75	55	40048	10	685
15	604	0330	39697	45	79	0800	40062	15	684
20	608	35	39714	50	85	05	40070	20	680
25	611	40	25	55	85	10	40072	25	680
0130	619	45	36	0600	39885	15	40070	1030	683
35	618	50	64	05	39886	20	40050	35	679
40	619	55	95	10	39892	25	40015	40	678
45	620	0400	39818	15	39904	0830	39978	45	674
50	622	05	44	20	39910	35	39934	50	669
55	623	10	61	25	39914	40	40005	55	664
0200	39622	15	79	0630	39911	45	39878	1100	658
05	26	20	95	35	39906	50	39849	05	653
10	34	25	39910	40	39921	55	39828	10	646
15	36	0430	39922	45	39937	0900	39809	15	639
20	40	35	31	50	39954	05	39793	20	634
25	45	40	35	55	39983	10	39776	25	629
0230	39641	45	54	0700	40009	15	39762	1130	623
35	53	50	77	05	40021	20	39749	35	618
40	59	55	68	10	40016	25	39737	40	608
45	620	0500	39952	15	40015	0930	39728	45	605
50	58	05	33	20	40018	35	39717	50	593
55	60	10	22	25	40030	40	39712	55	588
0300	661	15	19	0730	40038	45	39704	1200	39579
05	62	20	11	35	40045	50	39698	05	573
10	65	25	02	40	40038	55	39693	10	565

MAGNETICS

~~BATHYMETRY~~

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Cruise I.D. - 24

Leg No. 05

JD149/150

18

GMT-TIME

Year 1977 TZ +6

Time MONTH	Relay DAY	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	TIME	READ.	TIME	COMMENTS	READING	WATCH ID.
1215	39570	1430	May 30, 1977	03 55	39510	06 10	39487			
20	050	35		04 00	39511	15	39485			
25	538	40	01 50	39496	05	39510	20	39483		
1230	545	45	55	39504	10	39513	25	39479		
35	552	50	0200	39503	15	511	06 30	39475		
40	560	55	05	508	20	510	35	39468		
45	568	1500	10	503	25	508	40	39461		
50	577		15	504	04 30	39507	45	39455		
55			20	510	35	509	50	39447		
1300			25	500	40	507	55	39438		
05			0630	39506	45	506	07 00	39432		
10			02 35	510	50	506	05	39422		
15			02 40	509	55	504	10	39414		
20			45	504	05 00	39504	15	39405		
25			50	504	05	500	20	39398		
1330			55	508	10	504	25	39396		
35			03 00	39511	15	500	07 30	39390		
40			05	511	20	39498	35	39386		
45			10	512	25	497	40	39382		
50			15	514	05 30	39494	45	39380		
55			20	517	35	493	07 50	39376		
1400			25	517	40	493	07 55	39374		
05			03 30	514	45	489	08 00	39372		
10			35	513	50	487	05	39380		
15			40	511	55	483	10	39386		
20			45	511	06 00	39493	15	39393		
25			50	511	05	39490	20	39397		

MAGNETICS

~~DATE/TIME~~

30 May, 1977

J.D. 150

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

GMT

READING TIME RDG.

TIME MONTH	RDG. DATA	(Z) TIME	MATTHEWS ZONE	READINGS (PAGES)	TIME	RDG. COMMENTS	TIME	RDG.
0825	39404	1040	478	1255	484	1510	1725	
0830	39411	45	475	1300	39484	15	1730	
35	39420	50	471	05	488	20	35	
40	39422	55	464	10	488	25	40	
45	39424	1100	458	15	480	15 30	45	
50	39430	05	450	20	471	35	50	
55	39440	10	442	25	460	40	55	
0900	39440	15	432	1330	39450	45	1800	
05	39448	20	418	35	440	50	05	
10	39450	25	427	40	433	55	10	
15	39459	11 30	436	45	412	1600	15	
20	39462	35	447	50	428	05	20	
25	39469	40	454	55	434	10	25	
0930	39474	45	465	1400	442	15	18 30	
35	39476	50	474	05	39446	20	35	
40	39478	55	484	10	460	25	40	
45	39482	1200	489	15	468	16 30	45	
50	39493	05	492	20	39469	35	50	
55	39495	10	500	25	482	40	55	
1000	490	15	502	14 30	39488	45	1900	
05	488	20	504	35	491	50	05	
10	489	25	506	14 38	Stop	55	10	
15	486	12 30	39507	45	Core #13	1700	15	
20	483	35	508	50		05	20	
25	484	40	502	55		10	25	
10 30	483	45	496	1500		15	1930	
35	482	50	501	05		20	35	

MAGNETICS

BATHYMETRY

(19)

Cruise I.D. I6124
 Leg No. 05
 Year 1977 TZ ---

31 May, 1977
JD 151

Time	Tag	TIME	MAGNETIC ZONE	Time	Tag	Time	Tag	Time	Tag
MONTH	DAY			READING (FATHOMS)		COMMENTS		WATCH	
0040	39366	0255	39245	10	39238	25	39130	40	39063
45	358	0300	39238	15	32	0730	39129	45	39072
50	351	05	21	20	27	35	39128	50	39082
55	343	10	25	25	21	40	39123	55	39091
0100	336	15	29	0530	39210	45	39120	1000	39100
05	331	20	33	35	39205	50	39121	05	39102
10	326	25	39	40	39197	55	39120	10	39104
15	322	0330	39245	45	83	0800	39113	15	39110
20	317	35	50	50	74	05	39112	20	106
25	314	40	55	55	70	10	39106	25	105
0130	39309	45	60	0600	39163	15	39098	1030	111
35	305	50	39262	05	39154	20	39095	35	112
40	302	55	68	10	39150	25	39087	40	114
45	301	0400	39271	15	39148	0830	39088	45	115
50	301	05	72	20	39147	35	39084	50	119
55	298	10	74	25	39148	40	39081	55	123
0200	39298	15	75	0630	39151	45	39080	1100	39128
05	97	20	75	35	39151	50	39076	05	134
10	94	25	74	40	39150	55	39073	10	143
15	91	0430	39269	45	39151	0900	39068	15	150
20	89	35	67	50	39149	05	39054	20	154
25	84	40	62	55	39144	10	39038	25	163
0230	39278	45	78	0700	39142	15	39032	1130	165
35	70	50	70	05	39140	20	39038	35	178
40	64	55	62	10	39140	25	39012	40	180
45	58	0500	39253	15	39138	0930	39008	45	186
50	53	05	46	20	39133	35	39054	50	192

Mafnetes

BATHYMETRY

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

31 May / 1 June, 1977 → File 20
 GMT

JD 151 / 152

Time MONTH	Relg DAY	(Z) TIME	MATTHEWS ZONE	Time READING (FATHOMS)	Time	Relg COMMENTS	Time	Relg WATCH I.D.
11 50	39190	10		25	02:00	39458	04 15	39552
12 00	185	15		16 30	05	39458	20	553
05	180	20		35	10	39462	25	554
10	175	25		40	15	39468	04 30	39556
15	170	14 30		45	20	39469	35	557
20	165	35		50	25	39473	40	562
25	155	40		55	02 30	39481	45	569
12 30	150	45		17 00	35	480	50	571
35	145	50		05	40	486	55	577
40	140	55		10	45	492	05 00	39577
45	135	15 20		15	50	498	05	574
50		05		20	55	498	10	576
55		10		25	03 00	39502	15	581
13 00		15		17 30	05	500	20	588
05		20		35	10	507	25	592
10		25		40	15	519	05 30	39595
15		15 30		45	20	522	35	600
20		35		50	25	525	40	605
25		40		55	03 30	39529	45	614
13 30		45		8 58	35	531	50	620
35		50			40	532	55	625
40		55			45	537	06 00	39630
45		16 00			50	541	05	39638
50		05			55	550	10	39644
55		10			04 00	39554	15	39651
14 00		15			05	550	20	39659
05		20			10	551	25	39671

MAGNETICS

~~BATHYMETRY~~Cruise I.D. IG-24Leg No. 05Year 1977 TZ 761 June, 1977
S.D. 152

already ①

GMT

TIME MONTH	READG DAY	TIME	Reading	TIME	Reading	TIME	Reading
TIME MONTH	READG DAY	TIME	READING (FATHOMS)	COMMENTS	TIME	Reading	TIME
06 30	39679	08 45	39742	11 00	662	13 15	
35	39688	50	39740	05	672	20	
40	39694	55	39736	S.F. 10	680	25	
45	39697	09 00	39729	15	688	13 30	
50	39697	05	39726	20	701	35	
55	39703	10	39723	25	710	40	
07 00	39706	15	39720	11 30	726	45	
05	39713	20	39716	35	716	50	
10	39720	25	39711	40	705	55	
15	39732	09 30	39707	45	695	14 00	
20	39739	35	39703	50	683	05	
25	39752	40	39698	55	677	10	
07 30	39763	45	39691	12 00	671	15	
35	39775	50	39684	05	661	20	
40	39790	55	39678	10	655	25	
45	39803	10 00	39672	15	648	14 30	
50	39818	05	664	20	644	35	
55	39823	10	659	25	637	40	
08 00	39815	15	653	12 30	39629	45	
05	39804	20	649	35	624	50	
10	39792	25	644	40	619	55	
15	39780	10 30	641	45	610	15 00	
20	39771	35	637	50	589	05	
25	39764	40	633	55		10	
08 30	39755	45	635	13 00		15	
35	39749	50	643	05		20	
40	39745	55	653	10		25	

MAGNETICS

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Cruise I.D. IG-24

June 2 / 1977

Leg No. 05

J.D. 153.

Year 1977 TZ +6

Time	Rdg.	TIME	READING	TIME	READING	COMMENTS	WATCH I.D.
0125	39920	0340	39942	0555	39818	08 10	39622
0130	39902	45	39921	0600	39806	15	39617
35	39898	50	39906	05	39797	20	39616
40	39896	55	39895	10	39785	25	39622
45	39885	0400	39881	15	39774	30	39630
50	39870	05	39868	20	39764	35	39637
55	39853	10	39862	25	39753	40	39642
0200	39836	15	39857	0630	39745	45	39650
05	39832	20	39853	35	39737	50	39658
10	39865	25	39849	40	39729	55	39663
15	39941	0430	39854	45	39720	09 00	39669
20	40009	35	39857	50	39714	05	39678
25	40014	40	39863	55	39707	10	39688
0230	40005	45	39867	0700	39699	15	39693
35	39973	50	39861	05	39693	20	39699
40	39945	55	39859	10	39688	25	39707
45	39930	0500	39854	15	39682	30	39716
50	39932	05	39853	20	39677	35	39724
55	39925	10	39845	25	39663	40	39732
0300	39907	15	39844	0730	39657	45	39740
05	39896	20	39840	35	39652	50	39746
10	39887	25	39841	40	39648	55	39751
15	39898	0530	39843	45	39643	10 00	39758
20	39921	35	39846	50	39641	05	762
25	39952	40	39842	55	39636	10	774
0330	39967	45	39835	0800	39631	15	783
35	39963	50	39827	05	39628	20	792

MAGNETICS

~~BATHYMETRY~~

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

June 2, 1977
~~June 3, 1977~~

Time MONTH	Rdg DAY	TIME	MATTHEWS ZONE	Time Rdg (FATHOMS)	Rdg	COMMENT	Time	Rdg WALL NO.
10 25	39803	40	762	1820			20 35	
1030	39812	45	757	25			40	
35	25	50	754	1830	No INK Flow		45	
40	33	55	749	35			50	
45	41	1300	39744	40			55	
50	49	05	742	45			21 00	
55	61	10	736	50			05	
1100	62	15	Magnetic	55			10	
05	60	20	off	1900			15	
10	53	25	for	05			20	
15	49	1330	core	10			25	
20	40	35	#21	15			21 30	
25	29	40		20			35	
1130	21	45		25			40	
35	11	50		19 30			45	
40	04	55		35	1938-pull mag.		50	
45	01	1940		40	for core #22		55	
50	39794			45			22 00	
55	39788	1738	ON	50			05	
1200	39785	40	39821	55			10	
05	782	45	827	20 00			15	
10	778	50	832	05			20	
15	776	55	842	10			25	
20	775	1800	39837	15			22 30	
25	771	05	39852	20			35	
1230	770	10	erratic swings-	25			40	
35	766	15	398-- to 398--	20 30			45	

Matthews

BATHYMETRY

#22

Cruise I.D. Ih-24

Leg No. 05

Year 1977 TZ GMT I.D. 154

TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
MONTH	DAY	TIME	MATTHEWS	READING	READING	COMMENTS	READING
				(FATHOMS)			
0130	40138	45	39804	06 00	39863	08 15	39745
35	40095	50	39798	05	39869	20	39760
40	40060	55	39784	10	39854	25	39768
45	40025	0400	39770	15	39865	08 30	39771
50	40001	05	39760	20	39874	35	39776
55	39985	10	39754	25	39886	40	39787
0200	39964	15	39737	06 30	39893	45	39793
05	39951	20	39734	35	39893	50	39800
10	39938	25	39750	40	39887	55	39806
15	39914	0430	39754	45	39872	09 00	39811
20	39893	35	39770	50	39862	05	39815
25	39818	40	39789	55	39848	10	39826
0230	39842	45	39799	07 00	39844	15	39834
35	39837	50	39814	05	39836	20	39837
40	39840	55	39833	10	39829	25	39850
45	39854	0500	39846	15	39825	09 30	39846
50	39864	05	39843	20	39814	35	39864
55	39879	10	39850	25	39804	40	39871
0300	39873	15	39828	07 30	39791	45	39866
05	39875	20	39847	35	39783	50	39884
10	39876	25	39856	40	39775	55	39884
15	39870	0530	39852	45	39773	10 00	39882
20	39862	35	39861	50	39767	05	
25	39856	40	39853	55	39765	10	
0330	39847	45	39850	08 00	39764	15	
35	39837	50	39848	05	39756	20	
40	39823	55	39855	10	39743	25	

MAGNETICS.

~~CONFIDENTIAL~~

(15)

Cruise I.D. _____

Leg No. _____

Year _____ TZ _____

3 June 1977

J.D. 154 / 155 #23

TIME	Rdg.	TIME	Reading	TIME	Reading	Time	Reading
TIME	Rdg.	TIME	Reading	TIME	Reading	Time	Reading
15 00	40086	10 15	38094	13 30	15 45	19 00	40138
05	40086	20	098	35	50	05	34
10	40039	25	100	40		10	32
15	39980	30	108	45		15	41
20	40069	35	111	50		20	35
25	40032	40	112	55		25	27
15 30	40113	45	115	14 00		19 30	20
35	40008	50	117	05		35	40129
40	40118	55	120	10		40	26
45	39950	00	122	15		45	24
50	40118	05	124	20		50	28
55	40037	10	125	25		55	31
16 00	40150	15	127	30		20 00	32
05	40104	20	128	35		05	33
10	40253	25	Maggie	40		10	33
15	stop	30	86	45		15	31
20	for	35		50		20	28
25	check	40		55		25	27
30	inst.	45		15 00		20 30	40124
35	—	50		05		35	18
40	maggie	55		10		40	23
45	out	00		15		45	23
50		05		20		50	26
55		10		25		55	23
17 00		15		30		2 100	40125
05		20		35		05	34
10		25		15 40		10	40

and 3 June 1977

MAGNETICS

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

4/5 June 1977

JD 155/156 ← #24

TIME		ADG.	TIME	READING	TIME	READING	TIME	READING
MONTH	DAY	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	COMMENTS		WATCH +D.	
2115	40152	2230	40138	45	40140	0400	40224	
20	162	35	40135	50	140	05	40232	
25	74	40	40132	55	142	10	40238	
2130	40200	45	40131	0200	40142	15	40237	
35	16	50	40128	05	144	20	40240	
40	36	55	40124	10	148	25	40241	
45	61	0000	123	15	149	0430	40246	
50	89	05	121	20	155	35	252	
55	40309	10	124	25	154	40	253	
2200	40319	15	126	0230	40168	45	256	
05	40315	20	133	35	167	50	259	
10	309	25	134	40	171	55	258	
15	290	0030	135	45	176	0500	40260	
20	259	35	133	50	179	05	270	
25	240	40	40134	55	181	10	272	
2230	229	45	131	0300	40186	15	272	
35	214	50	125	05	190	20	275	
40	203	55	126	10	192	25	282	
45	192	0100	128	15	197	0530	40284	
50	176	05	133	20	198	35	284	
55	170	10	138	25	40205	40	289	
2300	165	15	140	0330	40208	45	290	
05	151	20	139	35	210	50	298	
10	146	25	138	40	216	55	301	
15	141	30	138	45	222	0600	40305	
20	140	35	140	50	225	05	08	
25	40138	40	40140	55	231	10	09	

Cruise I.D. IG 24-5
 Leg No. 05
 Year 1977 TZ +6

~~BAIT METER~~
 Magnetics

5-JUNE-1976

J.D.156

GMT

MONTH	Day	(Z) TIME	MATTHEWS ZONE	time	READING FATHOMS	time	READING FATHOMS	time	READING FATHOMS
15	11	0830	381	1045	479	1300	40565	1515	40652
20	13	75	384	50	492	05	40566	20	40654
25	15	40	389	55	493	10	40574	25	656
0630	40320	45	390	1100	40697	15	40576	1530	40658
35	325	50	400	05	493	20	40581	35	661
40	326	55	406	10	497	25	40583	40	664
45	332	0900	40408	15	501	1330	40579	45	665
50	338	05	10	20	501	35	40585	50	665
55	346	10	18	25	510	40	40589	55	668
0700	40343	15	20	1130	40508	45	40595	1600	40666
05	343	20	28	35	523	50	617	05	671
10	340	25	26	40	531	55	616	10	672
15	343	0930	40431	45	532	1400	40622	15	667
20	345	35	434	50	535	05	40620	20	668
25	351	40	441	55	539	10	623	25	670
0730	40356	45	448	1200	40546	15	624	1630	40676
35	351	50	455	05	553	20	628	35	670
40	350	55	458	10	570	25	635	40	668
45	352	1000	40461	15	575	1430	40638	48	672
50	363	05	458	20	572	35	40637	50	670
55	366	10	464	25	574	40	645	55	662
0800	40365	15	464	1230	40578	45	644	1700	40666
05	373	20	471	35	40574	50	644	05	674
10	375	25	472	40	40574	55	40643	10	675
15	376	1030	40479	45	576	1500	40650	15	680
20	379	35	480	50	576	05	648	20	684
25	381	40	40470	55	40569	10	644	25	686

MAGNETICS

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Cruise I.D. IG-24

Leg No. 05

Year 1977 TZ +6

5/6 June 1977

J.D. 156/157

25

TIME	Depth	TIME	DEPTH	TIME	READING	Time	Reading
17 30	40690	19 45	40720	22 00	40842	00 15	40929
35	694	50	40724	05	838	20	939
40	697	55	40733	10	838	25	942
45	696	20 00	40735	15	842	00 30	950
50	689	05	42	20	1,856	35	954
17 55	687	10	48	25	1,858	40	963
18 00	685	15	53	22 30	864	45	978
05	40680	20	63	35	861	50	979
10	40682	25	64	40	857	55	984
15	40680	20 30	40770	45	864	01 00	984
20	40678	35	40784	50	865	05	992
25	40678	40	82	55	873	10	998
18 30	40678	45	83	23 00	870	15	40997
35	40683	50	85	05	871	20	41001
40	40687	55	87	10	880	25	41006
45	40686	21 00	40793	15	879	01 30	41019
50	40687	05	98	20	878	35	41023
55	40680	10	97	25	884	40	41026
19 00	40686	15	40806	23 30	880	45	41028
05	91	20	07	35	886	50	41036
10	90	25	40814	40	889	55	41045
15	97	21 30	40817	45	891	02 00	41046
20	40700	35	26	50	897	05	050
25	706	40	31	55	914	10	049
19 30	701	45	36	00 00	913	15	056
35	40709	50	44	05	919	20	058
40	40715	55	45	10	40921	25	062

Magnetic BATHYMETRY

(19)

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

June 1977
 J.D. 157

Time MONTH	Reading DAY	(Z) TIME	Reading MATTHEWS ZONE	Time READING (FATHOMS)	Reading	Time	Reading
0230	41076	0445	41178	0700		0915	41354
35	074	50	182	05		20	54
40	078	55	186	10		25	58
45	082	0500	41192	15		0930	41360
50	082	05	41201	20		35	61
55	098	10	11	25	Maggie back on- data same as last letter	40	64
0300	094	15	22	0730	at 0737 Z	45	65
05	092	20	41236	35		50	68
10	shut down	25	39	40	41348	55	69
15	41093	0530	41243	45	52	1000	41366
20	096	35	246	50	60	05	374
25	41107	40	248	55	68	10	376
0330	41108	45	260	0800	59	15	378
35	112	50	258	05	62	20	382
40	118	55	41268	10	62	25	385
45	122	0600	41276	15	60	1030	391
50	134	05	erratic	20	60	35	394
55	140	10	data -	25	60	40	396
0400	41144	15	maggie	0830	57	104248	off, too
05	143	20	off	35	55	50	erratic
10	152	25		40	55	55	
15	156	0630		45	55	1100	
20	161	35		50	52	05	
25	162	40		55	48	10	
0430	160	45		0900	41348	15	
35	41172	50		05	48	20	
40	data loss	55		10	48	25	

BATHYMETRY

Cruise I.D. JB-24

Leg No. 05

Year 1977 TZ

Magnetics
6 June, 1977

Time MONTH	Day	(Z) TIME	MARTINE ZONE	Time READING (EATHOMS)	Day	Time	COMMENTS	Time	Day	Time	Day
1130		45		1600	41691	1815	524	2030	41334		
35		50	New fuse	05	41694	20	535	35	19		
40		55	41608	10	41709	25	538	40	08		
45		1400	623	15	739	1830	41542	45	41296		
50		05	41648	20	776	35	39	50	90		
55		10	41667	25	41815	40	37	55	85		
1200		15	41686	1630	41839	45	37	2100	41279		
05		20	41703	35	43	50	37	05	270		
10		25	708	40	28	55	35	10	261		
15		1430	41716	45	41797	1900	41533	15	258		
20		35	718	50	41760	05	524	20	256		
25		40	716	55	41696	10	517	25	249		
1230		45	717	1700	41634	15	514	2130	41247		
35		50	719	05	41581	20	506	35	246		
40		55	723	10	36	25	501	40	240		
45		1500	41728	15	09	1930	41494	45	243		
50		05	734	20	07	35	84	50	239		
55		10	742	25	06	40	76	55	238		
1300		15	49	1730	41509	45	68	2200	238		
05		20	53	35	07	50	58	05	287		
10		25	56	40	02	55	44	10	235		
15		1530	41754	45	41500	2000	41430	15	234		
20		35	47	50	41496	05	409	20	233		
25		40	35	55	41499	10	41392	25	231		
1330	4156	45	20	1800	41509	15	378	2230	230		
35	571	50	07	05	513	20	361	35	234		
40	575	55	41695	10	520	25	344	40	223		

Maggie
BATHYMETRY

Cruise I.D. FB-24

Leg No. 05

Year 1977 TZ _____

Rdg *Time* *Rdg*

<i>Time</i> MONTH	<i>Rdg</i> DAY	(Z) TIME	MATTHEWS ZONE	READING (FATHOMS)	<i>Time</i> COMMENTS	<i>Time</i> I.D.
2245	4/22	0100				
50	22	05				
55	22	10				
2300	218	15				
05	219	20				
10	221	25				
15	213	0130				
20	213	35				
25	216	40				
2330	216	45				
35	220	50				
40	41222	55				
45	227	0200				
50	41229	05				
55	235	10				
0200	—	15				
05		20				
10		25				
15		30				
20		35				
25		40				
0230		45				
35		50				
40		55				
45		0300				
50		05				
55		10				

new beginning
21 June, '77

CRUISE		AREA		PROJECT		DATE	
IG 24-05		PACIFIC OCEAN 60-1		GUATEMALA-MEXICO SHELF		7-II-77	
TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
0000	41238	0300	41206	0600	41182	0900	41154
05	240		05		81	52	160
10	244		08		80	54	168
15	244		07		28	52	180
20	244		05		77	46	188
25	250		04		54	44	201
0030	253	0330	41202	0630	41173	0930	41145
35	256		41200		72	42	218
40	260		41197		72	46	226
45	257		41199		67	44	240
50	258		98		70	45	252
55	252		41201		68	50	257
0100	251	0400	41200	0700	67	1000	41151
05	248		200		65	146	275
10	242		202		61	145	296
15	235		198		63	141	311
20	234		197		60	137	335
25	232		41198		58	135	357
0130	228	0430	41196	0730	58	1030	132
35	41223	35	197		57	130	390
40	222	40	196		55	134	408
45	215	45	196		53	127	425
50	214	50	194		53	122	432
55	212	55	95		53	120	426
0200	211	0500	41196	0800	54	1100	118
05	209		193		50	118	386
10	209		194		47	126	360
15	207		93		51	128	328
20	208		78		52	119	324
25	208		71		52	120	314
0230	41209	0530	41189	0830	41153	1130	120
35	08		188		57	120	306
40	08		188		56	-	300
45	07		187		56	130	294
50	08		184		54	138	289
55	08		182		55	41145	284

CRUISE		AREA		PROJECT		DATE	
Ib-24-05		GO - 1		GUATEMALA-MEXICO SHELF		8 June '77	
TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
0000	41046	0300	40994	0600	41112	0900	41116
05	044		40996		41097		118
10	047		41009		84		123
15	046		024		79		124
20	048		041		76		122
25	042		044		83		121
0030	048	0330	41051	0630	82	0930	119
35	050		50		41090		115
40	048		54		41102		110
45	041		59		02		121
50	030		59		41095		41098
55	020		58		93		095
0100	022	0400	41058	0700	92	1000	41101
05	039		062		41102		097
10	41044		066		112		096
15	052		079		129		093
20	051		090		136		090
25	053		41104		142		093
0130	052	0430	41106	0730	41142	1030	090
35	061		10		142		086
40	077		22		145		072
45	099		37		152		066
50	41118		51		160		057
55	132		57		150		054
0200	91128	0500	41159	0800	41137	1100	053
05	20		58		119		059
10	41095		63		109		060
15	80		69		113		068
20	68		68		107		070
25	96		58		105		071
0230	41032	0530	41148	0830	41106	1130	068
35	046		56		107		068
40	045		74		109		062
45	041		79		107		066
50	022		56		111		060
55	052		24		115		060
1200	41062	1500	41036	1800	41059	2100	41033
	057		029		058		032
	053		022		060		041
	050		016		061		044
	047		007		063		044
	044		010		068		042
1230	41038	1530	41009	1830	074	2130	41046
	033		008		083		044
	036		008		086		048
	034		6		085		046
	031		11		086		046
	031		13		099		051
1300	41033	1600	41015	1900	41110	2200	41054
	034		18		118		061
	038		22		122		070
	038		26		118		080
	038		28		114		088
	039		32		100		096
1600	41034	1930	41087	2230	41103		
	042		38		070		102
	042		41		055		109
	043		44		052		108
	049		44		044		115
	053		42		037		112
1700	41044	2000	41033	2300			
	044		47		36		117
	048		48		33		117
	057		47		25		118
	054		47		17		121
	058		53		17		120
1400	053	1700	41062	2030	41016	2330	118
	059		059		18		108
	060		056		24		101
	068		054		32		090
	070		041		36		078
	071		041		31		14105

May
8 June '77
JD 159

(23)

CRUISE IG 24-05				AREA PACIFIC OCEAN				PROJECT Oaxaca - Mexico : MAT				DATE 9 JUNE 77			
TIME		TIME		TIME		TIME		TIME		TIME		TIME		TIME	
0000	41066	0300	41155	0600	41300	0900	41290	1200	41271	1500	41211	1800	41196	2100	40929
05	061		164		04		28		266		16		192		926
10	058		166		07		60		247		21		186		928
15	056		172		08		46		255		23		175		925
20	055		174		13		32		262		24		166		928
25	050		181		19		23		293		22		153		927
0030	41048	0330	41185	0630	41327	0930	41212	1230	41331	1530	41218	1830	4146	2130	925
35	048		194		338		201		41328		16		136		920
40	050		198		343		41195		319		13		127		921
45	055		41209		351		192		314		10		115		917
50	064		212		353		195		290		09		103		909
55	076		216		357		198		284		09		41090		901
0100	41085	0400	41222	0700	41353	1000	41208	1300	291	1600	41208	1900	41073	2200	894
05	084		227		354		222		298		08		056		894
10	092		233		352		238		295		06		040		893
15	090		37		351		225		275		05		026		891
20	101		39		352		189		268		207		011		890
25	102		41		348		189		260		209		40998		885
0130	41100	0430	41239	0730	41343	1030	41145	1330	250	1630	41212	1930	40984	2230	887
35	100		42		39		139		234		19		968		885
40	102		47		37		138		225		25		958		883
45	104		54		34		141		236		29		949		882
50	104		58		31		143		224		38		944		881
55	113		66		31		146		222		39		940		880
0200	41118	0500	41272	0800	41331	1100	41142	1400	41216	1700	41239	2000	926	2300	868
05	123		84		328		144		09		33		936		865
10	129		92		320		142		02		27		932		858
15	133		97		314		145		41194		22		931		863
20	136		41303		309		143		82		19		931		858
25	138		308		308		137		72		14		933		845
0230	41140	0530	41302	0830	41304	1130	41146	1430	41163	1730	41208	2030	930	2330	867
35	44		302		305		156		65		200		933		868
40	46		01		303		167		71		203		931		872
45	49		03		302		189		80		202		924		870
50	51		04		298		211		93		200		923		872
55	54		02		297		246		41205		196		930		864

Maggie
9 JUNE 77
J.D. 160

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Mag
10 June, 77
S.D. 161

CRUISE		AREA		PROJECT		DATE	
JG 24-05		Pacific Oc		Oaxaco-Mex		10 June, 77	
TIME		TIME		TIME		TIME	
0000	40862	0300	40908	0600	41124	0900	41140
05	40858		40890		27		145
10	40853		76		27		158
15	40848		54		25		166
20	40844		42		19		176
25	40838		36		99		180
0030	837	0330	40939	0630	41105	0930	41188
35	832		40		Machine		95
40	825		49		Accidentally		41204
45	820		65		off		08
50	818		89		41103		16
55	812		40908		92		20
0100	40803	0400	40934	0700	41094	1000	41219
05	810		950		41090		222
10	816		976		41086		223
15	820		996		89		224
20	820		029		183		221
25	821		032		76		220
0130	40824	0430	41070	0730	41071	1030	41223
35	823		84		074		226
40	822		96		077		225
45	818		41104		085		230
50	817		107		099		233
55	820		106		41102		235
0200	40823	0500	41105	0800	41101	1100	41239
05	30		106		41094		240
10	43		108		41094		250
15	60		165		41097		257
20	78		106		41099		254
25	40902		41097		41102		256
0230	40911	0530	41106	0830	41109	1130	41260
35	31		110		41113		263
40	37		112		41113		264
45	39		116		127		268
50	38		119		126		270
55	26		124		128		270
1200	411273	1500	411068	1800	411042	2100	40779
	276		67		38		40787
	274		66		35		794
	272		71		33		799
	264		75		31		798
	257		81		25		798
1230	411254	1530	411089	1830	411019	2130	40793
	250		095		005		787
	243		41103		40986		780
	238		109		982		778
	230		117		969		772
	223		126		955		772
1300	411180	1600	411133	1900	40946	2200	40762
	210		36		928		750
	205		38		918		755
	200		42		905		748
	194		44		40899		745
	189		46		40881		743
1330	411183	1630	411146	1930	40867	2230	746
	178		44		58		753
	174		42		43		759
	168		37		31		768
	164		31		20		780
	158		27		07		787
1400	411506	1700	411182	2000	40796	2300	292
	42		11		784		791
	33		04		775		776
	23		00		767		762
	113		091		760		748
	104		085		757		743
1430	410944	1730	410777	2030	40753	2330	733
	088		071		751		720
	83		064		753		710
	77		060		755		704
	74		055		763		689
	70		049		770		684

MAG
11 June 77
JD 162

CRUISE		AREA		PROJECT		DATE	
16-24.5		Pac Oc		Oaxaca, Mex		12 IV '77	
TIME		TIME		TIME		TIME	
0000	40729	0300	40810	0600	40925	0900	40785
05	752		14		937		87
10	774		15		940		92
15	798		19		943		93
20	814		23		947	40800	40880
25	832		27		950	40803	40882
0030	40843	0330	40836	0630	956	0930	40807
35	850		37		952		09
40	854		38		954		14
45	854		43		950		13
50	852		48		946		15
55	848		51		940		18
0100	40844	0400	40857	0700	40935	1000	221300
05	840		61		25		825
10	836		66		16		532
15	828		71		04		843
20	821		74	40895			854
25	817		77		81		864
0130	812	0430	40896	0730	40865	1030	878
35	808		74		847		885
40	803		72		835		895
45	798		73		823		902
50	793		70		812		915
55	792		65		802		916
0200	40787	0500	40865	0800	40796	1100	922
05	86		67		786		921
10	85		73		778		920
15	88		79		773		916
20	93		89		773		910
25	40805		897		775		904
0230	40810	0530	40904	0830	776	1130	900
35	11		911		779		892
40	09		18		777		884
45	09		23		781		881
50	08		23		783		879
55	10		31		785		878

MAG
12 June 77
JD 163

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SW BEGIN →

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LOG

PAGE

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CRUISE			AREA			PROJECT			DATE		
IG 24-5			TAL OC			MEX-GUT MARGIN			13 June '77		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	41125	0300	41086	0600	41018	0900	40970	1200	40923	1500	
05	138		88		41014		40955		930		
10	146		89		41014		38		915		
15	154		89		41002		25		914		
20	159		89		40990		22		910		
25	166		85		40961		14		908		
0030	170	0330	41091	0630	40965	0930	40912	1230	908	1530	
35	179		95		40962		40908			1830	
40	180		41100		40965		40906			2130	
45	177		03		40962		40898				
50	175		07		40960		40896				
55	170		11		40960		890				
0100	169	0400	41114	0700	40958	1000	40889	1300		1600	
05	170		15		40954		886			1900	
10	173		17		40958		884			2200	
15	175		20		40956		882				
20	178		21		40962		880				
25	176		23		40973		880				
0130	41173	0430	41122	0730	40976	1030	883	1330		1630	
35	167		20		40979		884			1930	
40	163		51		40981		886			2230	
45	147		50		40983		890				
50	138		97		40982		894				
55	132		41		40988		900				
0200	41125	0500	41135	0800	40994	1100	902	1400		1700	
05	22		30		40996		904			2000	
10	20		19		41006		908			2300	
15	20		09		41012		910				
20	21		41099		41014		914				
25	19		89		41018		920				
0230	41120	0530	41077	0830	41022	1130	927	1430		1730	
35	16		67		41022		934			2030	
40	12		61		41021		940			2330	
45	05		50		41015		939				
50	41097		40		002		934				
55	91		30		40988		927				

MAG

13 June '77

off for
coming

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CRUISE		AREA		PROJECT		DATE	
77-24-5		TAC OC		MEX-GVA MARGIN		14 VI 77	
TIME		TIME		TIME		TIME	
0000		0300	41105	0600	41018	0900	41064
05			03		41015		41058
10			03		21		41064
15			41100		15		41070
20			41095		12		41071
25			89		18		41069
0030		0330	41079	0630	15	0930	41063
35			71		41015		41058
40			67		18		41054
45			62		17		41049
50			56		19		41038
55			47		21		41034
0100		0400	41042	0700	21	1000	027
05			42		28		019
10			47		28		013
15			56		29		008
20	ON		62		37		000
25	01262		70		48		993
0130	41127	0430	41078	0730	41062	1030	40983
35	25		92		41079		977
40	29		41106		41083		968
45	32		12		41085		960
50	37		12		41091		954
55	40		14		41103		943
0200	41146	0500	41112	0800	41111	1100	933
05	44		04		41112		922
10	41		41097		09		917
15	37		87		02		910
20	31		72		41098		905
25	25		57		41095		903
0230	41120	0530	41038	0830	41120	1130	907
35	16		26		41113		908
40	14		19		41102		909
45	12		17		41090		911
50	10		19		41078		915
55	06		18		41071		918

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MAG

14 June, 77

23

CRUISE		AREA		PROJECT		DATE	
1624-5		FAC-OC		GUA-MEX MARGIN		15 VI '77	
TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
0000	0300	0600	0900	1200	1500	1800	2100
0003	0300	0600	0900	1200	1500	1800	2100
10							
15							
20							
25							
0030	0330	0630	0930	1230	1530	1830	2130
35							
40							
45							
50							
55							
0100	0400	0700	1000	1300	1600	1900	2200
05							
10							
15							
20							
25							
0130	0430	0730	1030	1330	1630	1930	2230
35							
40							
45							
50							
55							
0200	0500	0800	1100	1400	1700	2000	2300
05							
10							
15							
20							
25							
0230	0530	0830	1130	1430	1730	2030	2330
35							
40							
45							
50							
55							

Maggie back in

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#34 → #37

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CRUISE			AREA			PROJECT			DATE		
IG 24-5			PAC-OCEAN			GUA-MEX MARGIN			15 JUL 77		
TIME		TIME		TIME		TIME		TIME		TIME	
0000	41173	0300	41331	0600	41277	20900		211200		1500	
05	160		355		41280			23			
10	152		359		41286			79			
15	148		349		41291			90			
20	158		340		41299			96			
25	168		325		41305		41505				
0030	41169	0330	317	0630	41310	0930	41507	1230		1530	
35	62		41306		41312			13			
40	58		01		41318			14			
45	52		41299		41319			13			
50	47		41301		41328			12			
55	44		05		41337			12			
0100	40	0400	41309	0700	41350	1000	41507	1300		1600	
05	117		14		41360			16			
10	122		18		41366			35			
15	125		21		41381			57			
20	130		25		41390			68			
25	137		28		41407			75			
0130	143	0430	41330	0730	41418	1030	41580	1330		1630	
35	147		30		41429			83			
40	154		24		41432			87			
45	160		15		41440			87			
50	165		08		41441		41597				
55	170		41297		41440		MAGNETIC OFF				
0200	176	0500	41292	0800	41433	1100	41597	1400		1700	
05	184		90		41431					2000	
10	192		90		41422						
15	206		88		41412						
20	224		84		41417						
25	241		77		41419						
0230	252	0530	41271	0830	41422	1130		1430		1730	
35	268		67		33					2030	
40	276		68		38						
45	284		69		47						
50	295		70		51						
55	310		71		55						

MAG

16 June 77

010300 →
307