

CRUISE IG 23-2	LINE BT2-10	AREA-PROJECT Gulf Tectonics II		DATE 9 Jan 77
SYSTEM DFS 10,000		BEGIN - TIME - DATE		END - TIME - DATE
		LAT.		
		LONG.		
		TAPE INFO:		record length - 8 sec
		TAPE SPEED --		pack density - 30-m up int.
SPL. RATE --				
SOURCE 2 Bolt Air Guns		RECORD FILTERS		HI-cut -
		LO-cut - OUT		Slope - OUT
		SLOPE - (later inserted 8/17 - 36 dB/oct)		Notch
GEOPHONES		REMARKS 62m 80/20/110 Lockage on # 11 No Birds from 1/9 to 1/12 (1800Z) Heavy seas Monitor on Tr #22 ① #6 not operative		

SOURCE

	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	⑥			⑤					④					③					②					①
BIRDS	X			X				X				X				X			X					XX

Birds inserted after 1800Z 12 Jan 77

CRUISE		LINE		AREA - PROJECT										DATE					
Iy 23-2		BT2-10		Gulf Tectonics - II										9 Jan 77					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
20538	240001	1	1										0						
2100		17																LORAN-C FIX @ 2100Z	
2103		23	27																
2115		48	60	60	87	54	20	37	-	80	20	110	03	8		30	42 fms		
2121		58	-										1					Missed shot	
2122		61								75	10	110	03					" "	
2136		89																RC/RP NG	
		90																Missed shot	
		96	135															RC/RP NG. (NOTED)	
		97	136															Missed shot	
2141		98																shot OK	
2146		109	152										0						
		118																RC/RP	
2151		119																Missed shot	
2152		120	164															OK	
2153		123								75	15	110						change gain	
2155		128	174															re/rp	
2156		129	175															Missed shot	
2156		130	176															OK	
2212		161																1st shot 240001	
2213		162																Missed shot	
2213	240002	163																1st shot 240002	
		166	241															Missed shot	
2215		167	242															RC/RP	
2216		168																shot OK?	
2216		169	244															OK	
2230		197	277																

CRUISE		LINE		AREA - PROJECT												DATE			
19 23-2		GT2-10		Gulf Tectonics II												9 Jan 77			
TIME (Z)	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2256	240002	249		0	20	33	8	30	-	75	15	110	0	8		30		900 RPM	
2300		257	374																
2325	✓	307	456															Noticed #4 looks bad - open	
233A	240002	324																Last shot on 02	
		325-328																Missed shots.	
2336	240003	329																1st Good Shot.	
2339		335																RC/RP #4 broken	
2379		336																Missed shot	
2340		337																OK.	
2353		363	545	0	0	20	0	20										900 RPM	
0000		377	563	-10 JAN 1977-															
0031	✓	439	661																
0044	240003	465	713															slow to 750 RPM	
0051		479	731											.05				change trip delay	
0056	✓	489	743																
0056	240003	490	744															last shot 240003	
0057		491	745															Missed Shot.	
0057	240004	492	746															1st shot 240004	
0100		498	754															RC/RP	
		499																Missed Shot	
0101		500	755															Shot OK	
0120		537	1022	26	37	61	15	46											
0135		568	1061											.5				Change Trip Delay	
0151		600	1121											1.0					
0154		605	1126	30	30	60	10	40	3-12	4-24	Gun Failure							Monitor Record.	
0217	240004	651	1204															Fast Shot	
0219	240005	655	1211														608	Fast Shot	
		658	1213															RC/RP	

10 Jan 77

CRUISE		LINE		AREA - PROJECT												DATE			
IG 23-2		GT 2-10		Gulf of Tonkin II												10 I 44			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT	RATE	FINAL							
0222	240005	660	1214	34	43	75	10	32	-	13-16		4-16	6					Continue	ML
0234		685	1244							75	25	110	15	8	1/2	30	645		
0341	240005	818	1451															Fast Shot	ML
0342	240006	821	54															1st ST	
0343		824	56							2nd 72	didn't	5-wire						Re RP	ML
0344		825	57															Continue	
0346		829	62							2nd 12			"	"				RC/RD	
0347		831	64															Cont.	
0349		836	66							2nd 16			"					RC/RD	
0350		838	1470															Cont.	
0353		844	1475	0	0	50	3	35	80	15	110	20	10	1/2	30				
0403																		c/s 500 RPM	
				Towed machine stopped X port not ready															
0411		848	1537															Continue	
0414		891	1554															RC/RD	
0418		893	1555	35	60	70	28	61	80	16	110							Continue	
				(4-16; 5-15 guns)															
0428		913	1601							80	5	110						chg gain	
0504	240006	984	1710															Last shot	ML
0506	240007	989	1715																
0507		990	1716															Re RP	
0508		992	1717	59	62	83	37	59	80	7	104	20	10	1/2	30	800		Cont.	ML
				(3-17; 4-15 guns)															
0610	24007	1118	2115															EOT	
0612	24008	1121	2120	50	78	77	20	56	80	7	104	20	10	1/2	30	1012		Begin RCRP	ML
0613		1123	2121															Continue	
				(3-20 4-17 guns)															

CRUISE			LINE		AREA - PROJECT										DATE				
7623-2			672-10		Gulf Tectonics II										10 Jan 77				
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0715	24008	1247	2315															END	DB
0717	24008	1252	2322	20	99	82	34	37	-	80	7	104	2.0	10	12?	30	1100	BEGIN - RC/RP	AL
0718	24008	1254	2323					3-17		4-13		30						continue	
0747													2.5					change gain trip delay	
0819	24008	1376	2515															end	
0823	24010	1383	2524	40	62	60	15	45	-	80	7	104	2.5	10	12?	30	1170	begin	
0824		1385	2525					3-17		4-13		30						continue	
0926	24010	1509	2721															end - cleaned head	
0930	24011	1517	2731	45	50	67	15	35	-	80	7	104	2.5	10	12?	30	1188	begin - RC/RP	
0931	24011	1519	2732															continue	
1024	24011	1625	3103							80	20	110	2.4	10				Gain Change 80/20/110	
"	"	"	"										2.4	10				Trip Delay Change	
1029		1635	3115															Changed Delay #3 gun	
1029		"	"															b/-3 sec/ 3-17, 4-18	
1032	24011	1642	3124															1st shot 24001	
		1643																Missed Shot	
		1644																" "	
1034	24012	1645	3127															1 st Good shot 240012	
1039		1655	3141															RC/RP - NG - ran out of paper	
		1656																Missed Shot	
1040		1657																OK	
1108		1713	3232															RC/RP	
		1714																Missed Shot	
1109		1715	3233															shot OK.	
1125		1747	3273										2.1					Removed -3 delay from gun	
"	V	"	"															3-13/4-14	
1128	24012	1754	3302	64	74	68	12	31	-										

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IG 23-2		GT2-10		Gulf Tectonics II										10 Jan '77					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1137	240012	1771	3323										2.1	10		30	≈1200	1st shot.	11/11
		1772																Missed shot	
		1773																" "	
1138	240013	1774	3326															1st shot	
1144		1785	3341							80	10	110						RC/RP - changed gain	
		1786																Missed Shot	
1145		1787	3342															OK.	
1202		1821	3404	0	0	40	0	30	-									Gun #3 - 11/4-13	
1226		1868	3463	0	0	40	0	40										" " - 12/4-13	
1237	✓	1891	3512	26	65	64	15	43										" " 12" 11 13	
1241	240013	1899	3522															1st shot 240013	
		1900																Missed Shot	
		1901																" "	
		1902																" "	
		1903																" "	
1243	240014	1904	3527															1st shot 240014	
1305		1947	3602															RC/RP	
		1948	-															Missed Record	
1306		1949	3603															OK	
1311		1959	3615															RC/RP	
		1960																Missed shot	
1312		1961	3616															OK	
1324	✓	1985	3646	0	0	44	0	30										Guns - #3-12/4-13	
1347	240014	2032	3725															1st shot (may be short)	
1348	240015	2034	3727																
1350		2038	3733															RC/RP	
		2039	-															Missed Shot	
1351		2040	3734															OK	

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IG 23-2			GT2-10		Gulf Tectonics - II										10 Jan 77					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
1400	240015	2056	3754	20	20	50	0	40	-	80	10	11.0	2.1	10		30	1255	Guns #3-11/4-13	11/11	
1451		2160	4124															Lost Sides		
1454	240016	2165	4131															lost near		
1455		2166	4132															RC/RP		
1456		2168	4133	0	22	61	0	33	-	80	7	108	2.1	10	12	30	1266	Continue		
				(3-11; 4-12 guns)																
1558		2292	4327															Just St	1/2	
1600	240017	2297	4334															1st ST		
1601		2299	4336															RC/RP		
1602		2301	4339	24	68	00	3	33	-	80	07	108	3.0	10	12	30	1265	Continue		
				(3-11, 4-13 guns)																
1627		2344	4412															Stardilly - Thumper	no gun around	
1714	240017	2349	4426	34	71	100	35	59	-									1st shot after startup		
1717	240017	2356	4435															RC/RP		
1718		2358	4436							80	7	108	3.0	10	12	30				
1740		2404		Compressor trouble, Switch to other.																
1746		2412	4521	(3-15; 4-22 guns)																
1750		2421	4532	(3-11; 4-15 guns)																
1750	240017	2422	4533															END		
1752	240018	2425	4536	40	72	13	24	51	-						10	12	30	1320	Begin	
1752		2428	4537															RC/RP		
1753	240018	2428	4540															Continue		
1854	240018	2551	4733															END		
1856	240019	2554	4736	40	55	-	13	49	-									begin RC/RP - noisy	8-1	
1857		2556	4737							(Guns 3-17 4-18)								continue	shallow	
																		Data very noisy -		
																		variable except for 16-20		
																		RUNNING shallow		

CRUISE IG-23-2		LINE BTZ-10		AREA - PROJECT Gulf Tectonics - II														DATE 10 JAN 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs
1958	240019	2679	5132															END	
2002	240020	2685	5140							80	07	108	3.0	10	12	30	1365	Begin RC/RP	
2002	240020	2687	5141	15	35	-	25	50	-									CONT. (23-1 25-2)	
2101	240020	2803	5325															END	
2103	240021	2809	5333	38	40	-	30	55	-	80	07	108	3.0	10	12	30	1402	Begin RC/RP	
2104	240021	2811	5334															Cont. (20-3 20-4) guns	
2209	240021	2940	5535															1st shot 240021	short record.
		2941	5536															Missed shot	
2216	240022	2947	5537	22	35	100	19	85										1st shot 240022	
																		Guns #3-18/#4-19	
2223		2969	5572															RC/RP	
		2970																Missed	
2224		2971	5573															OK	
2313	240022	3068	5734															last record #240022	
2313		3069	5735															Missed shot	
2314		3070	5736															" "	
2314	240023	3071	5737															1st good record 240023	
2319	240023	3081	5751															RC/RP	
2320		3082																Missed shot	
2320		3083	5752															OK	
2327		3096	5767	44	66	100	30	60	-									Guns #3-19/#4-19	
0005		3173	6104																
0018		3198	6135															1st shot 240023	
		3199																Missed shot	
		3200																" "	
		3201																" "	
0020		3202	6141															1st shot 240024	

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CRUISE IG-23-2			LINE PT2-10		AREA - PROJECT G Mex - Gulf Tectonics II													DATE 11 Jan '77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs.
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0026	240024	3215	6156											10		30	1518	Re/RP	MMA
		3216																Missed Shot	
0027	240024	3217	6157	42	85	100	30	57	-									OK - Guns - #3-17/4-18	
0114		3309	6312							80	10	108	2.8					Changed Gain & Trip	
0123	240024	3329	6336															1st shot (short record - N.G.)	
0124		3330	-															Missed shot	
0124	240025	3331	6340															1st shot 240025	
0128	240025	3339	6350															Re/RP	
0129		3340	-															Missed shot.	
0129		3341	6357	30	60	100	15	52										OK - Guns - #3-18/#4-18	MMA
0156		3395	6437	32	54	100	18	54										Guns - #3-18/#4-18	MMA
0203		3407	6454	put low cut filters on 8N 3.6 db/octave.															
		3445																2 several records in here	
		3446																maybe had - at least 1 cc.	
0222		3447	6523															OK	
0229	240025	3459	6537															Fast Shot	JWA
0231	240026	3464	6543	Hard to clean sec. contacts - magazine													Re/RP		
0233		3467	6545	40	65	100	22	55	-									Continue	
0308				(3-14, 4-18 guns)															
0335	240026	3591	6741															Fast Shot	JWA
0337	240027	3596	6746															Re/RP	
0338		3598	6747	10	20	-	0	30		80	10	110	2.8	10		30		Continue	
0435		374	7133	30	40	-	10	40	-										
0440	240027	3722	7143															Fast Shot	JWA
0445	240028	3730	7150															Re/RP	
0445		3731	7152	28	42	-	13	44	-	80	10	110	2.8	10		30		Continue	
		(3-18, 4-18 guns)																	
0547	240028	3855	7345															Fast Shot	JWA

[illegible]

CRUISE IG-23-2			LINE GT2-10		AREA - PROJECT G. Mex - Gulf Tectonics - II										DATE 11 Jan 77				
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1020	240033	4402								80	10	110	2.8	10		30	1578	Missed shot	MM
1020		4403																" "	
1021		4404	10377															OK	
1106		4496	10533															Changed delay to Gun 3 by 1 min.	
1110	↓	4501	10540	14	35	100	10	38	-									Gun - #3-18/#4-18	
1117	240033	4516	10557															1st shot 240033	
1118		4517	10560															Missed shot	
1118	240034	4518	10561															1st shot 240034	
1121		4524	10562															Re/RP	
1121		4525																Missed shot	
1122		4526	10570															OK	
1157	↓	4595	10675	23	47	100	0	38										Guns - #3-18/#4-18	
1222	240034	4646	10760															1st shot 240034	
1223		4647	-															Missed shot	
1223	240035	4648	10761															1st shot 240035	
1225		4653	10767															Re/RP failed to	
1226		4654																Missed	} find rec no on rewind.
1226		4655																Missed	
1227		4656	10770															Missed	
1228		4658	10772															Re/RP OK	
1228		4659																Missed shot	
1229	↓	4660	10773	16	40	100	5	35	-									OK	
1252		4707	11052																
1335	240035	4792	111202															1st shot? missed	} from monitor looks like about 15-16 shots total were missed. number of shots after the tape ran out.
1335		4793																	
1336		4794																	
1337		4795																	
1337	240036	4796	11203															1st good record 240036	

CRUISE IG 23-2			LINE GT2-10		AREA - PROJECT G. Mex. Gulf Tectonics - II										DATE 11 Jan 77				
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1340	240036	4803	11212	23	45	100	13	42	-	80	10	110	2.8	10		30	1550		11/10
1343	FX	4808	11217															RC/RP	
1343	DI	4809																Missed shot	
1344		4810	11220															DIR Guns 3-18/4-18	11/10
1440	240036	4921	11376															Last run	
1444	240037	4925	11402															RC/RP	
1443		4927	11403															Continue	
1502		4968	11454							Missed shot								Missed grade spread	
1506		4974	11462	33	55	45	20	45	-	80	10	110	2.8	10		30	1587		
1527	240037	5015	11532							Short tape								Last shot	
1529	240038	5019	11536															RC/RP	
1530		5021	11537	28	45	30	12	35	-	80	10	110	2.8	10		30	1557	continue	
1555		5072	11622																
		1	3-17							4-18 guns)									
1632	240038	5145	11733															Last Shot	
1634	240039	5149	11737															RC/RP	
		5150																	
1635		5151	11841															RC/RP	
1636		5154	11842	17	52	38	17	47	-	80	10	120	2.8	10		30	1575	Continue	
1646		5174	11866							(3-17, 4-17 guns)									
1718		5238	12061							Short outboard shot (m)									
1719		5240								(2-33, 4-31 guns)									
1723	240039	5248	12062							80	10	110	2.8			30	1602	end	
1727	240040	5256	12071															RC/RP	
1727	240040	5258	12072	36	61	45	20	52										Continue	
										(2-3, 4-30 guns)									
1828	240040	5378	12262														1620	Last shot	

[illegible]

CRUISE IG 23-2		LINE GT2-10		AREA - PROJECT G. Mex. - Gulf Tonics II										DATE 11 Jan 77					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2342		5902	13272							80	10	110	2.8	10	12	36		Missed Shot	
2342		5903	13273															" "	
2343	240045	5904	13274															1st good shot 240045	
2346		5911	13303														1620	RC/RP	
		5912	-															Missed Shot	
2347		5913	13304	0	22	22	0	42	-	Guns = 1.50/1.50/1.50/1.50								OK	
0006		6028	13466															c/c 110	
0057	240045	6058	13466	5	20	95	5	45	-									end 4 guns on line	
00103	240046	6037	13500							80	10	110	2.8	10	12	36		start	
0104	240046	6038	13501														1665	RC/RP	
		6039	-															Missed Shot	
0106	240046	6040	13502															OK	
0114		6057	13523															NO T.B. #3 not firing.	
0122		6071	13540	7	25	95	0	40	-									4 Guns - 25/25/24/25	
0130		6084	13555															Start slow turn to 055°	
																		Begin GT2-11	
0144		6108	13605															On course 055°	
0152		6120	13621															Last 10 shots #3 hasn't fired.	
0206		6144	13651																
0216	240046	6159	13670	22	55	93	22	60	-	80	10	110						short record	
0217	240047	6162	13673															Last 1/2 short record	
0218		6164	13675														1656	RC/RP	
0219		6165	13676															no T.B. on this shot	
				(1-30	2-30	3-29	4-31	guns)											
0332	240048	6286	14067															Last Shot	
0334	240048	6290	14073							80	10	110	2.8	10	12	36		RC/RP	
0335		6292	14075	30	55	101	20	55										continue	
				(1-26, 2-25, 3-27, 4-29	guns)														

12 Jan 77

III

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21

CRUISE		LINE		AREA - PROJECT										DATE					
I 623-2		BT 2-11		8. Mar. Buff T. Eklonius II										12 I 77					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0443		6374																NO TB	
		6373																"	
0444		6374	14219															Continued	
0449	240048	6415	14267	19	48	39	12	45	-									Last Shot	
0451	240049	6419	14273															No Paper for RC/RP	
0452		6421	14275							80	10	110	2.8	10	12	36	1676	continue	
0453		6423	14277															NO FIRE NO RECORD	
0454		6424																NO RECORD	
0455		6425	14300															TB good RC/RP	
0501																		(2-34, 3-34, 4-34 guns)	
0532		6488	14396	20	38	24	7	37	-										
0538		6497	14407															No TB choke gun #1	
0607		6546	14470															4 Guns Firing -	
0608	240049	6548	14472															end	
0611	240050	6553	14477	10	30	100	3	38	100	80	10	110	2.8	10	12	36		Begin RC/RP (last 1/2 of	
0612		6555	14500							(1-29, 2-29, 3-30, 4-31)								CONTINUE - record	
0729	240050	6682	14677															LAST SHOT NOISY -	
0731	240051	6686	14703	11	67	100	14	44	100	80	10	110	2.8	10	12	36	1700	RC/RP - Begin cut speed)	
0732		6688	14704							(1-36, 2-35, 3-35, 4-35)								CONTINUE TRIP	
0848	240051	6814	15102															END	
0851	240052	6819	15107	10	30	100	4	38	-	80	10	110	2.8	10	12	36	1705	Begin RC/RP (last 1/2 noisy	
0852		6821	15110							(1-27, 2-31, 3-31, 4-32)								continue again - shallow)	
1006	240052	6943	15303															Last Shot	
1007	240053	6944	15304							80	10	110	2.8	10	12	36	1710	Begin RC/RP	
1008		6946	15305							(1-31, 2-33, 3-32, 4-33)								Continue	
1028		6981	15347													72		Since we're only doing 2.5 kts - cut rep rate to 72 sec	

CRUISE EG 23-2			LINE GT2-11		AREA - PROJECT G. Mex - Gulf Tectonics - II										DATE 12 Jan 77				
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1032	240053	6984	15352							80	10	110	2.8	10	12	72	1710	50 RPM Dropped both compressors Gun #3 erratic	MMA
1035		6987	15354	32	69	160	16	47	-										
1057		7000	15372															Rep Rate = 72 sec.	
1114		7019	15415															#3 firing early - cut	
"		"	"															back both compressors to	
"		"	"															750 RPM (-50 RPM)	
1121		7025	15423	30	62	100	16	45	-									#3 firing erratically	
1140		7041	15443															#3 freewheeling	
1206	V	7063	15471	31	60	100	14	45	-	Guns -	20	24	3	4	23			"	
1217	240055	7072	15502															Last shot	
1218		7073	15503															Missed shot	
1219		7074	15504															Missed shot	
1221	240054	7075	15505														1709	1st Shot RC/RP	
1222		7076	15506	18	53	100	16	45	-	Guns -	23	26	3	4	22			OK	
1307		7113	15553							"	20	21	-	20					V
1344		7144	15612	5	30	100	10	42		"	20	22	34	21					MMA
1417		7171	15645										2.8	10		60		Change rep rate to 60-sec	
1446	240054	7200	15702															Last Shot	
1448	240055	7203	15705							80	10	110	2.8	10	12	60	1715	RC/RP	
1449		7204	15706	35	70	100	20	52	-									CONTINUE	TRA
										(1-35, 2-37, 3-32, 4-34 GUNS)									
1653	240055	7328	16102															LAST SHOT	
1656	240056	7331	16105	25	52	40	12	37	-								1722	RC/RP	
1657		7332	16106															CONTINUE	TRA
										(1-37, 2-39, 3-33, 4-34 GUNS)									
1800		7394	16204							Shut down									
										pull cable - mount birds									

CRUISE IG-23-2		LINE GT 2-11		AREA - PROJECT GULF OF MEXICO - GULF TECTONICS II														DATE 13 JAN 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs
0534	240061	7994	17330	58	96	73	55	62	-	80	10	110	2.8	10	12	36	1727	CONTINUE	raw
0648	240061	8118	17524															END	
0651	240062	8122	17530	60	97	72	55	62	-	80	10	110	2.8	10	12	36	1735	Begin RC/RP NOISE (NCI,	
0652	"	8124	17531							(1-28, 2-29, 3-31, 4-29)								continue just above bottom	
0806	240062	8247	17724															END	
0808	240063	8250	17727	58	97	?	56	64	-	80	10	110	2.8	10	12	36	1743	Begin RC/RP #3 PT is	
0809		8252	17730							(1-29, 2-30, 3-29, 4-30)								continue erratic	
0925	240063	8379	20127															END	
0927	240064	8382	20132	61	98	-	56	66	-	80	10	110	2.8	10	12	36	1750	Begin RC/RP	
0928		8384	20133							(1-28, 2-27, 3-29, 4-27)								CONTINUE	
1003		8442	20225							(1-29, 2-29, 3-30, 4-29)									///
1041	240064	8508	20327															last shot	
1043		8509	20381															Missed shot	
1044		8510	20332															RC/RP - failed record ok (ran out of osc. paper)	
1044		8511	-															Missed Shot	
1045		8512	20333															OK	
1050		8521	20344															RC/RP	
1051		8522	-															Missed Shot	
1052		8523	20345															OK	
1114		8560	20412	61	95	70	55	64	-	(1-28, 2-26, 3-29, 4-27)									
1145		8612	20476							80	08	110						Δ Gain dB/sec	///
1202		8641	20533															last shot	
1203		8642	20534															RC/RP	
1204		8643	205																
1204		8644	20535															OK	
1215		8662	20557										2.0					Δ Trip Delay	
1230		8687	20610										1.4					Δ Trip Delay	
1243		8708	20635							75	08	110						Δ Int. Gain	///

CRUISE EG 23-2			LINE GT2-11/12		AREA - PROJECT G. Mex Gulf Tectonics - II										DATE 13 Jan '77						
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs		
				1	2	3	4	5	6	INIT.	RATE	FINAL									
1253	240066	8726	20617	59	94	70	53	62	-	75	10	110	1.4	10	12	36	~900 fms	Δ PGC Rate	MIN		
1259		8735	20670										0.5					Δ Trip Delay			
1320		8772	20735															test shot / missed sp 8773			
1322	240067	8774	20737															RC/RP			
1323		8775	-															Missed shot			
1324		8776	20740															OK			
1328		8784	20750																		
1338		8801	20771										.05					Δ Trip Delay			
		8804	20774							70	12	110	.01	10	12	36	400 fms	Δ PGC Rate	Δ Trip Delay		
1346		8813	21005	(TURN TO GT2-12)						(1-28; 2-30; 3-29; 4-28)											
1418		8867	21073											8				Δ Record Length 8-sec			
1421		8872	21100							70	20	120	.01	8		36					
1451	240067	8921	21161															TAPER AW OUT			
1452	240068	8924	21164															RC/RP			
1453		8926	21166															CONTINUE			
1516		8964	21134															changing rep. rate to 30			
1532		8995	21213										1.0								
1550		9032	21340	60	88	68	42	32	-	(1-26, 2-26, 3-27, 4-25 GUNS)											
1556		9013	21353																		
1608		9068	21404							70	15	120									
1619	240068	9088	21430	missed about									1.0					Found cr. end			
1620	240069	9092	21434															1st ST			
1621		9093	21435															RC/RP			
1622		9095	21437															Continue			
1630		9111	21457	60	89	81	45	54	-	70	15	120	1.5	8		30					
1636				(27, 27, 26, 27 guns)																	
1741	240069	9253	21675															2nd ST			
1743	240070	9258	21672															RC/RP			

GT2-11

GT2-12

CRUISE		LINE		AREA - PROJECT										DATE						
1823-2		6T2-12/13		G. Mex. Gulf Tortugas II										13 I 77						
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
1744	240070	9268	21703	60	93	67	47	36	-	70	15	120	1.5	8	12	30	555	CONTINUE	TRH	
										(1-25	2-24	3-25	4-26	6-26			60 NS)			
1806		9304	21757										1.0					Δ GAIN trip Delay		
1900	240070	9412	22132															end		
1902	240071	9415	22135	61	90	70	53	57	-	70	15	120	1.0	8	12	30	485	Begin RC/RP		
1903		9417	22137															CONTINUE		
1950		9511	22275							75								Δ INIT GAIN		
2007		9545	22337							80										
2019	240071	9569	22367	(TURN)						10	6T2-13-2000						Last shot on tape			
2022	240072	9575	22375	61	91	71	45	53	-	80	15	120	1.0	8	12	30	545	Begin - RC/RP		
2023		9577	22376							(1-26	2-27	3-27	4-27	6-27				CONTINUE		
2122		9695	22564										2.0					Δ GAIN trip Delay		
2123		9698	22567											10				Δ Record length		
																		- CROSSING SCARP -		
2136	240072	9724	22621										2.0					END		
2138	240073	9728	22625	63	97	75	52	56	-	80	15	120	2.0	10	12	30	1030	RC/RP Begin		
2139		9730	22626							(1-32	2-28	3-27	4-29)					CONTINUE		
2149		9749	22651										3.0					Δ GAIN trip Delay		
2205		9780	22710										4.0					Δ 11 11 11		
2224		9812	22750							80	10	120								
22		98	2300	59	94	73	54	61	-	(1-27	2-26	3-27	4-27)							
2242	240073	9855	23023															Last shot		
2242		9856	23024															Missed shot		
2243	240074	9857	23025															1st shot		
2243		9858	23026															OK	↓	

6T2-12

6T2-13

CRUISE IP 23-2		LINE 672-13		AREA - PROJECT G. Mex Gulf Tectonics - II													DATE 13 Jan 77					
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs			
				1	2	3	4	5	6	INIT.	RATE	FINAL										
2243	240074	9859	23027							80	10	120	4.0	10	12	30		OK	/			
2244		9860	23030														1737	RC/RP				
2245		9861	23031															OK				
2326		9932	23137	60	91	72	55	62	-	(1-32, 2-31, 3-29, 31)												
2342	V	9976	23213							80	10	110						A Final Gain				
2347	240074	9985	23224															Test shot (short record)				
2347		9986	23225															Missed shot				
2348		9987	23226															" "				
2348		9988	23227															" "				
2349		9989	23230															" "				
		9990	23231															" "				
2350		9991	23232															" "				
2350	240075	9992	23233															shot OK				
2352		9996	23237														1738	RC/RP				
		9997	-															Missed Shot				
2353		9998	23240															OK				
2355	V	0002	23244										3.5					A Trip Delay 3.5 sec	/			
0053	240075	0118	23430							— 14 JAN 1977 —											last shot	
0054		0119	23431															Missed Shot				
0054		0120	23432															Missed Shot				
0055	240076	0121	23433															RC/RP + 1 st shot				
0055		0122	23434															OK				
0116		0163	23504	60	97	77	55	68	-	(1-20, 2-20, 3-25, 4-23)								/				
0142		0216	23572	56	90	74	53	66	-	80	08	120					1724	D, dB/oct & Final Gain				
0158	240076	0246	23627															Just St.				
0200	240077	0251	23633															RC/RP				
0201		0253	23634							80	08	120						Continue				
										(34, 33, 27, 25 fms)												

CRUISE		LINE		AREA - PROJECT														DATE	
J623-2		872-13		6 Mex Gulf Testimony II														14 I 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs.
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0306	240077	0385	24040															Tape out	
0309	240078	0390	24045															RC/RP	
0310		0391	24046	55	90	76	52	53	-	80	08	115	3.5	10	12	30	1723	Continue	
0411	240078	0513	24236															Last shot on tape	
0413	240079	0517	24242	58	92	67	47	49	-	80	08	115	3.5	10	12	30	1717	RC/RP	
0413		0519	24243															Continue	
0517	240079	0645	24441	56	92	69	50	51	-									Fast ST	
0519	240080	0650	24446							80	08	115	3.5	10		30	1708	RC/RP	
0520		0652	24447							(21, 23, 21, 21 guns)								Continue	
0622	240080	0775	24642															Last shot	
0624	240081	0779	24646	57	95	67	48	57	-	80	08	115	3.5	10	12	30	1701	RC/RP	tape
0624		0781	24647							(22, 21, 21, 19 GUNS)								Continue	BACKWARD
0726	240081	904	25042															Last shot	
0730	240082	911	25051	55	88	66	50	62	-	80	08	115	3.5	10	12	30	1692	Begin - RC/RP - tape on	
0731	"	913	25052															CONTINUE - MAY HAVE	backwards
										(21, 24, 23, 21 GUNS)								misfired 1st shot?	
0832	240082	1036	25245															END	
0834	240083	1040	25251	54	95	73	52	65	-	80	08	115	3.5	10	12	30	1695	Begin RC/RP	↓
0835		1042	25252							(24, 26, 23, 23)								CONTINUE	11
0937	240083	1165	25445															END	
0939	240084	1169	25451	57	91	67	50	62	-	80	08	115	3.5	10	12	30	1685	Begin RC/RP	
0939	↓	1171	25452							(28, 25, 24, 23)								CONTINUE	
1042	240084	1296	25642															Last shot	
1043	↑	1297	25650															Missed shot	
1043	↓	1299	25651															Missed shot	
1043		1299	25652															Missed shot	
1044	240085	1300	25653															RC/RP. NG didn't	
																		Play out properly	

playout properly
records may be off

CRUISE IG 23-2			LINE GT 2-13		AREA - PROJECT G. Mex Gulf Tectonics II												DATE 14 Jan 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1045		1301	25654							80	08	115	3.5	10	12	30		Missed shot	
1045	240085	1302	25655															OK.	
1045		1303	25656															OK.	
1050		1313	25671															RC/RP	
1051		1314	25672															OK	
1115	V	1363	25752	55	92	69	49	61								1644	c/s from 800-900 RPM		
1124	V	1379	25772	56	96	72	53	70										1133 Begin turn to 12	
1139	V	1410	26031	56	95	64	48	68		(24, 25, 25, 24)								End GT2-13	
1148	240085	1429	26054															1st record 240085	
		1430	26055															Missed shot	
		1431	26056																
1150		1432	26057																
		1433	26060																
1151		1434	26061																
		1435	26062																
		1436	26063																
		1437	26064															Missed shot	
1153	240086	1438	26065															OK 1st shot	
1154		1439	26066															"	
1154		1440	26067	50	95	75	48	71	-							1650	RC/RP		
1155		1441	-															Missed shot - Begin GT2-10 Cont.	
		1442	-															Missed shot	
1156		1443	-															" "	
		1444	26070															OK	
1157		1446	26072															OK	
1213		1477	26131							(29, 27, 27, 27)									
1235		1522	26206							(26, 28, 27, 26)									

End GT2-13

Begin
GT2-10 Cont.

CRUISE		LINE		AREA - PROJECT													DATE			
23-2		GT2-10 (cont)		G. Mex. Gulf Tectonics - II													14 Jan 77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs.	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
1239	240086	1529	26215	54	91	73	53	65	-	80	08	115	3.5	10	12	30	1660			
1258	240086	1567	26263															last shot		
1258		1568	26264															missed shot		
1258	240087	1569	26265															1st shot		
1300		1571	26267															RC/RP - remount of paper		
		1572																missed shot		
1301		1573	26270															OK		
1323	240087	1618	26345	53	90	72	50	61	-	(27, 25, 25, 25) GUNS										
1400	240087	1691	26454															LAST SHOT		
1402	240088	1695	26457							80	08	115	3.5	11		30	1660	RC/RP		
1403		1697	26460															CONTINUE	TRIA	
1459	240088	1809	26637	55	99	71	53	58	-									last st		
1501	240089	1813	26643							80	08	115	3.5	11		30	1682	last st		
1502		1814	26644							(27, 25, 27, 26 guns)								RC/RP		
1503		1818	26645															continue		
1541		1893	26757															GUN #4 MISS FIRING LOOSE T.B. Tape GUN	NO TB, END OF TAPE	
1542	240089	1896	26733																last shot	39 GUNS
1542	240090	1897	26734																Missed shot	
		1898	26735																NO TB	
		1899	26736															" "		
		1900	26737															OK		
		1901	26740															Missed shot		
		1902	26741															" "		
1545		1903	26742															RC/RP		
1546		1904	-															Missed shot		
1546		1905	26743															OK.		
1548		1907	26745																	
1554				54	73	65	45	45		(24, 21, 80, 80)							1687	NO TB		

CRUISE IG 23-2		LINE GT 2-10 cont'd		AREA - PROJECT GULF OF MEXICO										GULF TECTONICS II					DATE 14 JAN 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
1614	240090	1959	27031							80	08	115	3.5	10	12	30		NO T.B.	TRM	
1641	240090	2014	27120															last shot		
1643	240091	2019	27125															RC/RP		
1645		2021	27126	53	73	70	45	53	✓	80	08	115	3.5	11	12	30	1690	continue	TRA	
1741	240091	2134	27307															Just St		
1743	240092	2137	27312	50	75	68	45	53	✓	80	08	115	3.5	11		30		RC/RP		
1744		2139	27313														1696	continue	TRM	
1842	240092	2255	27477															Last shot on tape		
1844	240093	2261	27505	50	75	67	46	60	✓	80	8	115	3.5	11	12	30	1707	RC/RP		
1846		2263	27506							Guns (32, 34, 30)								Continue	ML	
1943	240093	2377	27670															end		
1944	240094	2381	27674	56	88	72	52	62	✓	80	8	115	3.5	11	12	30	1722	BEGIN RC/RP (Camera)		
1946	"	2384	27675							(35, 35, 30) GUNS								RC/RP (records overlapped)		
1947	"	2386	27676															Continue	ML	
																		(RC/RPs overwrote each other)		
2043	240094	2498	30056															END		
2044	240095	2501	30061	59	88	75	52	70	✓	80	8	115	3.5	11	12	30	1736	BEGIN RC/RP		
2045		2503	30062							(35, 33, 29) GUNS								continue		
2143	240095	2617	30244															end		
2145	240096	2622	30251	58	70	72	52	68	✓	80	8	115	3.5	11	12	30	1745	BEGIN RC/RP		
2146		2624	30252							(35, 33, 31, Gun 4 out)										
2239	↓	2730	30423															Gun #1 firing erratically	ML	
2243	240096	2738	30432															last shot		
2244		2739	30433															Missed shot		
2244		2740	30434															Missed shot		
2245	240097	2741	30435															1st shot		
2245	↓	2742	30436															OK		
2246	↓	2743	30437														1755	RC/RP		

CRUISE		LINE		AREA - PROJECT												DATE			
J6 23-2		672-10 cont		G. Mex Gulf Tectonics - II												14 Jan 77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
22 46	240097	2744	30439	61	93	72	54	70		80	08	115	3.5	11	12	30	1755	Gun #1 Now OK.	
22 47		2745	30440							(23		23		24)					
23 12		2796								(26		25		27)					
23 43	↓	2858	30621															1	
23 44	240097	2859	30622															1st shot - short record N.G.	
23 44		2860	30623															Missed shot.	
23 45		2861	30624															" "	
23 45		2862	30625															" "	
23 46		2863	30626															" "	
23 46	240098	2864	30627															1st shot OK	
23 47		2866	30631	64	99	76	53	71	-								1760	Rc/RP	
23 47		2867	-															Missed shot.	
23 48		2868	30632							(28		28		25)				OK	
00 35		2961	-							- 15 JAN 1977 -								Missed shot	
00 35		2962																" "	
00 36	↓	2963	30767															OK	
00 46	240098	2984	31044															last shot	
00 46		2985	31015															Missed shot	
00 47		2986	31016															Missed shot	
00 47	240099	2987	3102															OK 1st shot.	
00 49		2989	31021														1765	Rc/RP	
00 49		2990																Missed shot	
00 50	↓	2991	31022	62	100	78	53	70	-	(28		25		28)				OK.	
01 46	240099	3104	31263															last	
01 47		3105	31204															Missed	
01 47	240100	3106	31205															1st shot.	
01 48		3107	31206															OK.	
01 48	↓	3108	31207	62	100	72	52	67	-	(27		28		28)			1769	Rc/RP	

CRUISE		LINE		AREA - PROJECT														DATE	
IG 23-2		G72-106at		G. Mex. Gulf Tectonics - II														15 Jan 77	
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0149	240100	3109	-							80	08	115	3.5	11	12	30	1769	Mixed shot.	
0150		3110	31210															OK	
0207		3146	31254															No TB	
0246	240100	3224	31372															LAST SHOT	
0248	240101	3228	31376															RC/RP	
0249		3230	31377	60	100	76	54	62		80	08	115	3.5	11	12	30	1772	CONTINUE	TRH
																		(1-29, 2-27, 3-28 GUNS)	
0347	240101	3346	31563															LAST SHOT	
0349	240102	3350	31567															RC/RP	
0350		3352	31570	62	100	79	59	68		80	08	115	3.5	11	12	30	1780	CONTINUE	TRH
																		(1-30, 2-29, 3-29 GUNS)	
0448	240102	3467	31753															LAST SHOT	
0451	240103	3473	31761															RC/RP	
0452		3475	31762	62	100	75	55	62		80	08	115	3.5	11	12	30	1782	CONTINUE	TRH
																		(1-34, 2-33, 3-30 GUNS)	
0550	240103	3591	32146															Last Shot	
0551	240104	3594	32151															RC/RP	
0552		3596	32152	62	100	78	59	67		80	08	115	3.5	11	12	30	1787	Continue	TRH
																		(1-30, 2-30, 2-30 GUNS)	
0651	240104	3713	32337															LAST SHOT	
0652	240105	3716	32342															RC/RP	
0653		3718	32343	60	100	76	60	70		80	08	115	3.5	11	12	30	1795	CONTINUE	TRH
0751	240105	3835	32530															Last shot	
0753	240106	3837	32532	60	100	76	59	70		80	08	115	3.5	11	12	30	1805	RC/RP - Bad record	
0753		3838	32533															RC/RP	
0754		3840	32534															Continue	
																		(Guns - 29, 28, 28)	
0852	240106	3956	32720															END	

[illegible]

CRUISE			LINE		AREA - PROJECT												DATE		
ICP 23-2			GT2-10 Cont		G. Mex. Gulf Tectonics - II												15 Jan 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1331	240111	4513	33770	61	100	77	59	69	-	80	08	115	3.5	10	12	30	1834	RC/RP	MMW
1371		4514	-															Missed shot	
1332		4515	33771							(25, 28, 28)								DIC	
1339		4531	34011															Δ dB/sec	MMW
1415	240111	4599	34115															Last shot	
1415		4600	34116															Missed shot	
1414		4601	34117															" "	
1416		4602	34120															" "	
		4603	34121															" "	
1416	240112	4604	34122							(GUNS 1-25 2-24 3-27)								RC/RP	
		4605	-															Missed shot	
1417		4606	34123	60	100	76	59	70	-	80	10	115	3.5	10	12	30	1675	GK CONTINUE	TRA
1522	240112	4734	34323							(Channel H Acc recorded)								Last ST	
1523	240113	4737	34326	61	100	77	58	64	-	80	11	115	3.5	11	12	30	1622	RC/RP	
1524		4739	34327							(1-25 2-24 3-27 GUNS)								CONTINUE	
1628	240113	4868	34530															LAST SHOT	
1630	240114	4872	34534															RC/RP	
1631		4874	34535	62	100	75	57	70	-	80	10	115	3.5	10	12	30	1630	CONTINUE	TRA
										(1-30 2-32 3-29 GUNS)									
1736	240114	5003	34736															LAST SHOT	
1736	240115	5005	34740															NO T.B.	
1737		5006	34741															RC/RP	
1738		5008	34742	60	100	74	56	69	-	80	10	115	3.5	10	12	30	1615	CONTINUE	TRA
1825		5102	35100															Mis-fire - NO T.B.	
1841	240115	5131	35134															Tape stopped - may not be last	
1842	240114	5135	35137															Bad record	
1842		5136																Missed shot	

[illegible]

CRUISE		LINE		AREA - PROJECT													DATE		
IG 23-2		GT2-10 cont		G. Mex. Gulf Tectonics - II													15 Jan 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2318	240120	5688	36201	65	100	76	55	73	-	80	15	115	3.0	8	12	30	1390	RC/RP	W/H
2319	1	5689	-															Missed Shot	
2319	1	5690	36202							(38, 39, 31, 30)								OK	
0018	↓	5808	36370							12								A 16/sec + trip delay	
0039	240120	5849	36441							16 JAN 1977								last shot	
0039	240121	5850	36442															Missed shot	
0040		5851	36443															"	
0040		5852	36444															"	
0041		5853	36445															"	
0041		5854	36446															1st Good Shot	
0044		5861	36455														1448	RC/RP	
		5862	-															Missed Shot	
0045		5863	36456															OK.	
0103		5898	36521															Start slow turn to 235°	
0119		5930	36560	(0117 Change to GT2-14)														Begin GT2-14	←
0202	240121	6014	36704															Steady on 235°	
0204	240122	6018	36710															LAST SHOT	
0205		6020	36711	66	700	74	56	76	-	80	12	115	3.0	8	12	30	1309	RC/RP CONTINUE	TRK
										(1-32, 2-31, 3-33, 4-29 GUNS)									
0325	240122	6181	37152															LAST SHOT	
0330	240123	6191	37157	64	98	70	50	55	-	80	12	115	3.0	8	12	30	1280	RC/RP - N.G.	
0331		6193	37160															CONTINUE	
0331		6194	37161															RC/RP Good	
0332		6196	37163															No F.B.	
0333		6197	37164							(1-33 2-32 3-34 4-36 GUNS)								OK CONTINUE	TRK
0449	240123	6350	37515															LAST SHOT	
0451	240124	6354	37521														1190	RC/RP	

CRUISE IG 23-2		LINE GT2-14		AREA - PROJECT G. OF MEX. GULF Tectonics - II										DATE 16-JAN-77					
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0452	240124	6356	37522	65	95	66	35	42	-	80	12	115	3.0	B	12	30	1190	CONTINUE	PRO
							(1-31	2-33	3-33	4-38			G	UNS)					
0550		6472	37606							80	10	115							
0612	240124	6516	37662																
0614	240125	6519	37665	65	96	72	50	35	-	80	10	115	3.0	8	12	30	1211	Last shot on reel RC/RP-Begin	MU
0615		6521	37666				(29,	30,	31,	32				Guns)				Continue.	
0705		6621	40032															no time break	
0734	240125	6679	40124															end	
0735	240126	6683	40130	62	93	62	41	49	-	80	10	115	3.0	8	12	30	1289	Begin, RC/RP	
0736	240126	6685	40131															continue	
0859	240126	6849	40375															END	
0901	240127	6853	40401	64	98	70	42	48	-	80	10	115	3.0	8	12	30	1273	Begin RC/RP	MU
0901		6855	40402				(Guns	5	33,	36,	32,	32)						continue	
1011		6994	40615	64	99	65	35	52	-		12		2.9					A 1st/sec trip del.	
1022		7016	40643															last shot	
1023		7017	40644															1st shot	
1023		7018	40645															OK	
1023		7019	40646							(32,	33,	32,	38)				1242	RC/RP	
1024		7020																Missed shot.	
1024		7021	40647															OK	
1142		7176	41102															last shot	
1143		7177	41103															Missed Shot	
1143		7178	41104																
1144		7179	41105																
1144		7180	41106																
1145		7181	41107																
1145		7182	41110																

CRUISE Ig 23-2		LINE GT2-14		AREA - PROJECT G. Mex. Gulf Tectonics - II												DATE 16 Jan 77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1146		7183	-							80	12	115	2.9	8	12	30		Missed shot	W/
1146		7184	41111															1st shot	
1147		7185	41112																
1148		7188	41115															May be bad shot	
1149		7189	41116	66	100	72	48	50	-	(35	33	31	30)				1228	RC/RP	
1149		7190	-															Missed Shot.	
1150		7191	41117															OK	
1237		7285	41255										2.8					A trip delay	
1306		7343	41347															1st shot	
1306		7344	41350															Missed shot	
1306		7345	41351															1st shot. OK	
1307		7346	41352														1186	RC/RP	
1308		7347	-															Missed shot	
1308		7348	41353	65	100	72	51	63	-	(32	30	30	30)					GUNS	OK
1310		7351	41356															Begin slow turn to 322°	
1324		7379	41412															Begin GT2-15	sl. dy on
1426	240130	7504	41607							(1	2	3	4					Fast Shot	
1428	240131	7508	41613							(36	34	32	32					GUNS	
1429		7510	41614	66	100	75	55	72	-	80	12	115	3.0	8	12	30	1265	CONTINUE	
1546	240131	7663	42044															Fast shot	
1549	240132	7669	42052															RC/RP	N.G. no paper
1549		7670	42053	66	100	74	56	74	-	80	12	115	3.0	8	12	30	1420	missed shot	
1550		7671	42054															CONTINUE	
1551		7673	42056															No T.B.	
1551		7674	42057															No T.B.	
1552		7675	42060															RC/RP	
1553		7677	42062							(36	33	30	31				1180	CONTINUE	
1618		7725	42143										2.5						

GT2-14

GT2-15

NOTE →

[illegible]

CRUISE IG 23-2		LINE 672-15		AREA - PROJECT G. Mex. Gulf Tectonics - II												DATE 16 I 77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2230	240137	8472	43510	63	98	72	51	60		80	12	110	1.5				528 fms	1 st shot	
		8473	43511							(31-30-25-		31-						OK	
2231		8474	43512															RC/RP	
		8475	-															Missed Shot	
	✓	8476	43513															OK	
2350	240137	8631	43746															last shot	
2350		8632	43747															Missed Shot.	
2351		8633	43756															" "	
2351		8634	43751															" "	
2352	240138	8635	43752															1 st shot	
2352		8636	43753	63	92	70	50	60	-									OK	
2353		8637	43754															OK	
2353		8638	43755														552	RC/RP	
2354		8639	-															Missed Shot	
2354		8640	43756															OK	
0109		8790	44203							— 17 JAN 1977 —								OK	
0110	✓	8791	44204															OK	
0110	240138	8792	44205															last record	
0111	240139	8793	44206															Missed Shot	
0111		8794	44207															" "	
0112		8795	44210															" "	
0112		8796	44211															1 st shot OK	
0113		8797	44212															OK	
0113		8798	44213	62	94	70	45	53		86	12	110	1.5				605 fms	RC/RP	
0114		8799	-							(38-35-30-30								Missed Shot	
0114		8800	44214															OK	
0133	✓	8838	44262										1.6					A trip delay	
0145	240139	8863	44313										1.7					"	

17 JAN 1977

CRUISE IG 23-2			LINE GT2-15		AREA - PROJECT G Mex. Gulf Tectonics - II												DATE 17 Jan '77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs.	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
0147	240139	8867	44317							80	10	110	1.7	8	12	30		A dB/sec		
0210		8911	44373										3.0	10				A trip delay Area length		
0210		8912	44374											11				A rec length		
0213		8917	44401															SCARP RECORDED! (osc. play out)		
0222		8935	44423							80	8	110	3.5	11		30				
0225	240139	8942	44431															end		
0227	240140	8945	44435	62	94	75	52	60	-	80	8	110	3.5	11	12	30	1600+	Begin-RC/RP-NO paper		
0228		8947	44436															continue NO RECORD		
0230		8949	44440															RC/RP		
0230	240140	8951	44441															continue		
0239		8964	44456	(34, 30, 30, 32 guns)										4.0				Trip delay change		
0326	240140	9063	44621	CHANGE TO 24 FOLD														LAST SHOT		
0328	240141	9066	44624	60	97	71	53	75	-	80	8	110	4.0	11	12	25	1800+	RC/RP		
0328		9068	44625							(1-31	2-30	3-31	4-34	5-UN5)				continue		
0344		9105	44672													26				
0409		9158	44759													25				
0417	240141	9183	45010															LAST SHOT		
0419	240142	9188	45015	60	100	80	55	80		80	8	110	4.0	11	24	25	1825	RC/RP		
0420		9190	45016							(32, 35, 34, 33 guns)								continue		
0451		9265	45131													24				
0507	240142	9305	45201															Last St		
0508	240143	9309	45205							80	08	110	4.0	11	24	24	1835	RC/RP- Begin		
0510		9312	45207	61	108	96	54	96										* continue		
0511		9314	45212															standby for repairs		
0513		9319	45216															continue -	Missed	
0523				Trouble with spring on tape drive															~5 shots	

CRUISE		LINE		AREA - PROJECT														DATE	
1623-2		812-15		6 May Gulf Turt II														17 I 70	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0539		9361	45210																
		9394	-9396															Continue	
0545		9401	45341															missed shot	
0551		9416	-17															" "	
0603	240143	9446	45415															Last shot	
0606	240144	9452	45423	60	100	78	55	80	-	80	8	110	4.0	11	24	24	1840	begin RC/RP	
0607		9455	45425															(34, 34, 33, 31 GUNS)	ML
0620		9488	45466															*standby to fix tape drive	
0623		9496	45476															continue } missed 8 shots changed springs	
0655	240144	9575	45613															end	
0657	240145	9580	45620	64	100	80	56	80	-	80	8	110	4.0	11	24	24	1837	Begin RC/RP *NO good	
06		95	456															tape foul up	
0700		9587	45621															Begin again - RC/RP	No good
0700		9589	45622															continue	
0702		9594	45627															RC/RP	
0703		9596	45630															No time break	
0704		9597	45631															Continue	
0746	240145	9701	45777															Last shot	
0748	240146	9707	46005	67	100	80	57	82	-	80	8	110	4.0	11	24	24	1835	RC/RP Begin	
0748		9709	46006															Guns (38, 32, 34, 34)	
0832	240146	9818	46162															Last shot	
0835	240147	9825	46171	64	100	79	57	80	-	80	8	110	4.0	11	24	24	1835	Begin RC/RP	
0835		9827	46172															No time break	
0836		9828	46173															(33, 29, 30, 31 - GUNS)	
0923	240147	9944	46357															CONTINUE	
																		END - short record on	
																		END	

[illegible]

CRUISE IG 23-2			LINE GT2-15		AREA - PROJECT G. Mex. Gulf Tectonics - II												DATE 17 Jan 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
12	240150									80	08	110	4.0	11	24	24		Cotecho Tongue Grid	
1203		0346	47174															1st shot	
		0347	47175															Missed shot	
1204		0348	47176															" "	
		0349	47177															" "	
1205		0350	47200															" "	
		0351	47201															" "	
1206		0352	47202															1st shot	
1207		0355	47205														1822	RC/RP	
		0356	-	65	100	78	55	100										Missed shot	
		0357	47206	(30 - 30 - 28 - 31' guns)														NO T.B.	
1208		0358	47207															OK	
1251	240151	0464	47361															LAST SHOT	
1251	240152	0466	47363															1st shot	
1252		0468	47365	62	100	75	55	100		80	08	110	4.0	11	24	24	1822	RC/RP	
1253		0470	47366							(41, 29, 31, 31 GUNS #1 EXRATIC)								CONTINUE	TRM
1337		0581	47544															1st shot	
1338		0582	47545															Missed shot	
1338		0583	47546															" "	
1339		0584	47547															" "	
1339		0585	47550															" "	
1339		0586	47551															" "	
1340		0587	47552															1st shot	
1341		0590	47555														1820	RC/RP	
		0591	-	70	100	75	54	92										Missed shot	
1342		0592	47556															OK	
1352		621	47610															gun #1 firing spasmodically	
1407		0656	47656							(32, 30, 31, 30 GUNS)								gun #1 OK	

CRUISE IG 23-2		LINE GT2-15		AREA - PROJECT G. MEX. GULF TECTONICS - II													DATE 17 JAN 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Units of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1426	240153	0703	47735							80	08	110	4.0	11	24	24		LAST SHOT	
1428	240154	0707	47741														1814	RC/RP	
1429		0709	47742															NO T.B.	
1430		0710	47743	62	97	72	52	97	-	(33, 30, 31, 30 GUNS)								CONTINUE	TRH
1514	240154	0823	50124															LAST SHOT	
1517	240155	0830	50133															RC/RP	
1517		0832	50134	62	97	73	53	97	-	80	08	110	4.0	11	24	24	1815	NO T.B.	
1518		0833	50135							(31, 30, 31, 30 GUNS)								CONTINUE	TRH
1535		0874	50206															tape drive problems	
1535		0875	50207							(2-1548 Turn to GT2-16)								O.K.	
1604	240155	0948	50320															LAST SHOT	
1606	240156	0952	50324							80	08	110	4.0	11	24	24		RC/RP	
1607		0954	50325	62	100	73	52	93	-	(27, 28, 28, 29 GUNS)							1810	NO T.B.	
1607		0955	50326															CONTINUE	TRH
1623		998	50370														finish	readjust motor drive torque	
1649		1057	50470											9					
1658	240156	1081	50520															Just Set	
1659	240157	1085	50524															RC/RP turned	
1700		1087	50525	63	100	78	59	98	-	80	08	110	3.0	9	24	24		RC/RP	
1701		1088	50526							(20, 30, 32, 30 guns)								Continue	
1726		1152	50625																
1756	240157	1228	50741							stop to fix								LAST SHOT - stop to adjust motor drive torque	
1800	240158	1236	50747	64	100	79	55	100	-	80	08	110	2.0	9	24	24	949	RC/RP	
1800		1238	50750															CONTINUE	TRH
1855	240158	1376	51162															END	
1858	240159	1382	51170	62	100	72	48	87	-	80	8	110	2.0	9	24	24	841	BEGIN RC/RP	
1858		1384	51171																
1915		1425								Stopped recorder for repairs - tape drive problems									

GT2-16
START
HERE →

CRUISE		LINE		AREA - PROJECT														DATE		
I9-23-2		672-17		G. Mex. Gulf Tectonics II														17 Jan 77		
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
2258	24016	1982	52270															Missed shot		
2258		1983	52271															" "		
2258		1984	52272															1 st shot		
2300		1988	52276															RC/RP		
		1989	-															Missed shot		
2301		1990	-															" "		
2301		1991	52277	68	95	70	51	95	80	12	110	2	9	24	24	742		OK		
	↓			(24-22-36-36 fms)																
2357	240163	2128	52570															Last Shot		
2358	240164	2132	52574	63	96	70	50	98	80	12	110	2	9	24	24	770		1 st st		
2359		2134	52576															RC/RP		
0000		2136	52579															Continue		
0039	↓	2234	52661										2.2					A trip delay		
0055	240164	2274	52731															last shot		
0055		2275	52732															Missed shot		
0056		2276	52733															" "		
		2277	52734															" "		
0057		2278	52735															" "		
		2279	52736															" "		
0057	240165	2280	52737															1 st shot		
		2281	52740															OK		
0058		2282	52741	63	96	72	53	99								822		RC/RP		
		2283	-															Missed shot		
				(28-22-35-35 fms)																
0059		2284	52742															OK		
0106		2302	52764										2.0					A trip delay		
0135	↓	2376	53076							10			2.3					A trip delay & SB/sec		
0153	240165	2421	53153															last shot		
0154		2422	53154															missed shot		

CRUISE		LINE		AREA - PROJECT														DATE	
16-23-2.		672-17		G. Mex. Gulf Telephones II.														18 JAN 77.	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0154		2423	53155																
0154	240166	2424	53156															Missed shot.	
0155		2425	53157															1st shot.	
0155		2426	53160	60	99	74	55	99										OK.	
0156		2427	-							(32, 29, 31, 29 GUNS)	10		2.3					RC/RP	
0157		2428	53161															Missed shot.	
0216		2499	53143										3.0					OK.	
0227		2505	53176										4.0						
0252	240166	2567	53374	63	97	76	54	108	-	80	10	110	4.0	9	24	24	1842	Fast ST	
0254	240167	2572	53401															1st ST	
0255		2574	53403															RC/RP	
0255		2576	53404							(28, 27, 32, 29 GUNS)								CONTINUE	TRM
0350	240167	2713	53615															LAST SHOT	
0352	240168	2717	53621															FIRST SHOT	
0356		2727	53633	64	97	81	55	108	-	80	10	110	4.0	9	24	24	1845	RC/RP	
0356		2729	53634							(26, 32, 35, 34 GUNS)								CONTINUE	
0407		2754	53666															Missed shot	
0449	240168	2860	54040															LAST SHOT	
0451	240169	2865	54045															FIRST SHOT	
0452		2867	54047	64	98	76	54	108	-	80	10	110	4.0	9	24	24	1842	RC/RP	
0452		2869	54050							(24, 30, 31, 36 GUNS)								CONTINUE	TRM
0548	240169	3007	54262															LAST SHOT	
0549	240170	3011	54266															FIRST SHOT	
0550		3013	54270	66	100	78	55	110	-	80	10	110	4.0	9	24	24	1842	RC/RP	
0551		3015	54271							(31, 32, 33, 30 GUNS)								CONTINUE	TRM
0647	240170	3155	54505															END	
0649	240171	3160	54512	60	100	82	55	110	-	80	10	110	4.0	9	24	24	1844	BEGIN	
0650		3162	54514															RC/RP	

CRUISE IG-23-2		LINE GT2-17		AREA - PROJECT G. of Mexico Tectonics II - Catoche Grid														DATE 18 JAN '77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
0651	240171	3165	54516															continue	
0655		3176	54531															no time break	
0657		3179	54534															"	guns 1-62
6657		3180	54535															"	not firing
0745	240171	3302	54727															end	
0748	240172	3307	54734	68	100	79	55	100	-	80	10	110	4.0	9	24	24	1845	Begin	
0750		3312	54740															rc/rp - short camera	
0750		3314	54742															continue record	
										(38, 34, 35, 33)									
0843	240172	3446	55146															end	
0845	240173	3450	55152	62	100	75	54	100	-	80	10	110	4.0	9	24	24	1840	Begin	
0847		3455	55157							(35, 34, 35, 35)								rc/rp	
0848		3457	55160															continue	
0904		3497	55230										3.0					0 trip delay at scanp	
0918		3533	55274										2.0					" "	
0931		3565	55334										1.8						
0940?	240173	35?	55?															last #s not known - missed * end several shots - tape	
0944	240174	3598	55375	61	97	79	55	100	-	80	10	110	1.8	9	24	24	738	Begin	ran out
0945		3601	55400															rc/rp	
0946		3603	55401							GUN 5 (28, 31, 34, 29)								continue	
1041		3739	55611															last shot	
1041		3740	55612															Missed shot	
1042		3741	55613															Missed shot	
1042		3742	55614															"	
1042		3743	55615															"	
1042		3744	55615															"	
1043		3745	55616															"	
1043		3746	55617															18th shot Begin	

Begin
GT2-18

GT2-18 *

CRUISE			LINE		AREA - PROJECT												DATE		
IG23-2			972-18		Gulf of Mexico. Gulf Telemetry II CATOCHE GRID												18 JAN 72		
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1044	↓	3747	55620							80	10	110	1.8	9	24	24		OK.	
1044	240175	3748	55621														657	RC/RP	
1045	↓	3749																Missed shot.	
1045	↓	3750	55622	62	87	70	49	73		(31, 31, 32, 29)						9 mins		OK.	
1139	240175	3885	56031															1st shot	
		3886	56032															Missed shot	
1140		3887	56033															" "	
		3888	56034															" "	
		3889	56035															" "	
1141	240176	3890	56036															1st shot	
1141	↓	3891	56037															OK	
1142	↓	3892	56040															OK	
1142	↓	3893	56041														730	RC/RP	
		3894	-															Missed shot.	
1143	↓	3895	56042	63	101	82	56	74	-	(41, 33, 34, 30)								OK	
1212	↓	3967	56152											2.5				A trip delay	
1229	↓	4010	56225											2.5				A trip delay	
1238	240176	4032	56253															1st shot	
1238		4033	56254															Missed shot	
1238		4034	56255															" "	
1239		4035	56256															" "	
1239		4036	56257															" "	
1240		4037	56260															" "	
1240	240177	4038	56261															1st shot	
1241		4041	56264														1827	RC/RP	
		4042	-															Missed shot	
1242		4043	56265	62	97	98	55	77		(34, 31, 34, 30)								OK	
1244		4048	56272											4.0				A trip delay	

CRUISE			LINE		AREA - PROJECT												DATE		
IG 23-2			GT2-18		G. Mex. Gulf Tectonics - II Catoche Grid												18 Jan 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1253	240177	4069	56317							80	10	110	4.0					short record	
"	"	"	"								08							Δ 2B/sec.	
1337	240177	4180	56472															last shot	
1337		4181	56472															missed shot	
1338		4182	56500															"	
1338	240178	4183	56501															1 st shot ?	
1339		4184	56502															OK	
1339		4185	56503													1845		RC/RP	
1340		4186	-															missed shot	
1340		4187	56504	20	100	85	80	82										OK	
										(35, 32, 31, 36 guns)									
1434	240178	4324	56715															LAST SHOT	
1437	240179	4329	56722							80	08	110	4.0	9	24	24		FIRST SHOT	
1438		4334	56727	70	100	85	85	82	-									RC/RP	
1439		4336	56730							(36, 37, 35, 33 guns)						1845		CONTINUE	TRH
1533	240179	4471	57137															LAST SHOT	
1535	240180	4474	57143															FIRST SHOT	
1536		4478	57146							80	08	110	4.0	9	24	24	1846	RC/RP	
1537		4480	57147	70	100	82	56	81	-	(35, 34, 42, 41 guns)								CONTINUE	
1632	240180	4618	57361															LAST SHOT	
1636	240181	4627	57366							adjusting tape take-up tension arm on upper reel								FIRST SHOT	
1637		4631	57372							80	08	110	4.0	9	24	24		RC/RP	
1638		4633	57373	65	100	76	57	60	-	(53, 44, 49, 36 guns)						1845		CONTINUE	
1721		4739	57545															missed shot	
1725		4750	57560															NO TB.	
1732	240181	4769	57603							adjust tape take-up								LAST SHOT	
1736	240182	4779	57610															FIRST SHOT	
1738		4782	57613							80	08	110	4.0	9	24	24	1845	RC/RP	

CRUISE		LINE		AREA - PROJECT													DATE		
1923-2		GT2-18		G. MEX. GULF. TECTONICS - II													18 JAN 77		
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1738	240182	4784	57614	65	99	72	50	70	-	80	08	110	4.0	9	24	24	1845	CONTINUE	PRB
										(44	32	32	29	GUNS)					
1800		4839	57700															NO TIS	
1833	240182	4920	60024															END	
1834	240183	4923	60027	67	100	81	53	80	-	80	8	110	4.0	9	24	24	1845	Begin	
1835	"	4926	60032															RC/RP - Short film out of paper	
1836	"	4928	60033							(33	31	30	31	- GUNS)				CONTINUE	
1856		4977	60113										3.0					Δ trip delay as go up scrap	
1916		5028	60176										2.0					" "	"
1930	240183	5064	60242															END	
1932	240184	5069	60247	57	100	80	54	73	-	80	8	110	2.0	9	24	24	930	Begin	
1934		5073	60253															No record	
1934		5074	60254															RC/RP	
1935		5076	60255							(30	34	36	31	- GUNS)				CONTINUE	
2031	240184	5214	60463															Last Short	
2032	240185	5217	60472															Begin	
2034		5223	60477															RC/RP	
2035		5225	60500	46	90	6	49	74	-	80	8	110	2.0	9	24	24	790	Continue	
										(29	35	36	31	guns					
2128	240185	5359	60706															end	
2131	240186	5365	60714	48	88	82	53	77	-	80	8	110	2.0	9	24	24	735	Begin	
2133		5370	60721															RC/RP	
2134		5372	60722							(36	34	36	39	- GUNS)					
2152		5422	61004															END LINE 18 - Begin	
																		turn to 040° - line 19	
2211		5466	61060															Steady on 040	
																		Begin GT2-19	

CRUISE IG-23-2			LINE GT2-19		AREA - PROJECT G. Mex. Gulf Tectonics - II - Catoche Grid													DATE 18 Jan 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2227	240186	5492	61112	58	92	80	52	37	-	80	08	110	2.0	9	24	24		OK.	
"	"	"	"							(34, 33, 32, 32)								cont.	
2228	240186	5507	61131															1st shot	
2228		5508	61132															Missed shot.	
2228		5509	61133															" "	
2229		5510	61134															" "	
2229	240187	5511	61135															1st shot.	
2230		5514	61140	53	65	65	41	53	-	(34, 33, 32, 34)						738	RC/RP		
		5515	-															Missed shot	
2231		5516	61141															OK	
2249		5560	61215							10								A 1B/sec	
2317		5629	61323							08								A 1B/sec	
2326		5653	61352															last shot	
2326	240187	5654	61353															Missed shot	
2327		5655	61354															" shot	
2327		5656	61355															" shot.	
2328		5657	61356															" shot.	
2328	240188	5658	61357															18th shot.	
2328		5659	61360															OK	
2329		5660	61361															OK	
2329		5661	61362	43	70	68	45	62	-	(40, 41, 35, 36)						792	RC/RP		
2329		5662																Missed shot	
2330		5663	61363															OK	
2351		5713	61444															Missed shot	
2355		5720	61457															"	
0027	240188	5803	61576															1st shot	
0028	240189	5806	61603	46	71	69	43	64	-	80	08	110	2.0	9	24	24	836	RC/RP	
0029		5810	61605																

- 19 JAN 1977 -

CRUISE			LINE		AREA - PROJECT												DATE				
F623-2			BT2-19		Gulf of Mexico II												19 I 74				
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs		
				1	2	3	4	5	6	INIT.	RATE	FINAL									
0030	240180	5812	61606															Continued			
0125	240190	5950	62080															Last shot			
0125		5951	62081															Missed shot			
0126		5952	62082															Missed shot			
0126		5953	62083															1st shot			
0126		5954	62084																		
0127		5955	62085															OK			
0127		5956	62086															OK			
0127		5957	62087													865		RC/RP			
0128		5958		50	70	70	40	65	-									Missed			
0129		5959	62030							(45, 32, 35, 30)								OK			
0221	240190	6088	62231															LAST SHOT			
0222	240191	6093	62236															FIRST SHOT			
0224		6098	62243	52	85	80	42	62	-	80	08	110	2.0	9	24	24		RC/RP			
0225		6100	62244							(35	31	33	31	6	UNS)	933		CONTINUE	TRH		
0255		6174	62346							tape not running, tape reel off top								tape drive not operating properly			
0255		6176	62360															OK - fixed			
0320	240191	6237	62454															LAST SHOT			
0321	240192	6240	62460															FIRST SHOT			
0323		6245	62464							80	08	110	2.0	9	24	24	1400+	RC/RP			
0324		6247	62465							(80,	41,	40,	14)					CONTINUE	TRH		
		6248	62465															NO F.B.			
0325		6249	62466															OK			
0344		6298	62550																		
0414	240192	6374	62663															LAST SHOT			
0417	240193	6379	62670															FIRST SHOT			
0418		6383	62674	50	95	75	45	75	-	80	08	110	4.0	9	24	24	1800+	RC/RP			

CRUISE IG 23-2		LINE GT 2-19		AREA - PROJECT G MEX Gulf Tectonics - II												DATE 19 JAN 77			
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
04	240193	6385	62675							136, 30, 23, 30 (GUNS)							1800+	CONTINUE	mu
0444		Start	8 1/2	100°						for GT 2-20									
0458		Start	on	100°															
0510	240193	6512	63074																
0512	240194	651	63															LAST SHOT	
0513		6520	63104	5290	68	52	62	-	80	08	110	4.0	9	24	24		1820	RC/RP	
0514		6522	63105							(31, 30, 33, 30								CONTINUE	TRH
0535		6576	63173	Insert Lo Cut						8 N								36 dB	*
0604	240194	6648	63303															LAST SHOT on Reel	
0606	240195	6654	63311	5893	100	40	67	-	80	08	110	4.0	9	24	24		1833	BEGIN	
0608		6658	63315															RC/RP	
0609		6660	63316							(28, 33, 34, 31 - GUNS)								CONTINUE No time break	
0609		6661	63317															CONTINUE	
0633		6719	63410															NO time break - may have missed a few (1-2) shots prior? 2 guns OFF to check compressors	
0638		6735	63430															BEGIN turn to 240° - end 20 - begin line 21	
0653		6771	63474															4 guns back on	
0659	240195	6786	63513															LAST SHOT	
0701	240196	6790	63517	6596	94	50	68	-	80	08	110	4.0	9	24	24		1833	BEGIN	
0702		6794	63523															RC/RP	
0703		6796	63524							(31, 26, 30, 30 - GUNS)								CONTINUE	
0724		6847	63606															ALL low cut FILTERS	OUT
0753	240196	6921	63720	6296	70	50	70	-										LAST SHOT	
0756	240197	6927	63726						80	08	110	4.0	9	24	24		1835	BEGIN	
0757		6930	63731							(43, 29, 34, 31 - GUNS)								RC/RP	

GT 2-20

GT 2-21

CRUISE		LINE		AREA - PROJECT														DATE	
1623-2		GT-2-21		Gulf of Mexico Tectonics II -														19 Oct '77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0758	240197	6932	63732															Continue	
0848	240197	7058	64130															end	
0850	240198	7062	64134	51	100	76	45	71	-	80	08	110	4.0	9	24	24	1840	Begin	
0853		7070	64143															RC/RP	
0854		7072	64144															no time back	
0854		7073	64145															continue	
0943	240198	7196	64340															end	
0945	240199	7201	64345	50	95	78	50	70	-	80	8	110	4.0	9	24	24	~1840?	Begin	
0946		7204	64350															RC/RP	
0947		7206	64351															(33, 34, 35, 32) GUNS	Continue
1039		7335	64550															last.	
1039		7336	64551															Missed shot	
1039		7337	64552															"	
1040		7338	64553															" original	
1040		7339	64554															" type on	
1040		7340																" backwards	
1041		7341	64555															"	
1041		7342	64556															"	
1042		7343	64557															"	
1042		7344	64560															1st.	
1043		7345	64561															OK	
1043		7346	64562															OK	
1044		7347	64563															OK	
1044		7348	64564															OK	
1044		7349	64565															OK	
1045		7350	64566	48	78	71	45	44	-								~1840	RC/RP	
1045		7351	64567															Missed shot.	
1046		7352	64568															OK.	

CRUISE		LINE		AREA - PROJECT														DATE	
1423-2		672-21		G. Mex. Gulf Tectonics. II														19 Jan 77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1135	240200	7476	64763							80	08	110	410	9	24	24		1st shot	
1136		7477	64764															missed shot	
1136		7478	64765															" "	
		7479	64766															" "	
1137	240201	7480	64767															1st shot	
		7481	64770															OK	
		7482	64771															OK	
		7483	64772															OK	
1138		7484	64773	51	80	67	48	57	-	(30, 32, 33, 32)						1842		RC/RP	
		7485	-															Missed shot.	
1139	Y	7486	64774															OK	
1230	240201	7613	65173															last shot	
1231		7614	65174															Missed shot	
		7615	65175															" "	
1231		7616	65176															" "	
1232		7617	65177															" "	
1232	240202	7618	65200															1st shot	
1232		7619	65201															OK	
1233		7620	65202															OK	
1233		7621	65203															OK	
1234		7622	65204	42	90	103	48	65		(44, 30, 32, 29)								RC/RP	
		7623	-															Missed shot	
1234	Y	7624	65205															OK	
1226	240202	7753	65406															last shot.	
1327		7754	65407															Missed shot	
1327		7755	65410															"	
1328		7756	65411															"	
1328	240203	7757	65412															1st shot	

CRUISE		LINE		AREA - PROJECT										DATE						
1923-2		972-21		Gulf of Mexico Gulf Tectonics II										19 JAN 77						
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs	
				1	2	3	4	5	6	INIT.	RATE	FINAL								
1328	240203	7758	65413															OK		
1328		7759	65414															OK		
1329		7760	65415															RC/RP		
1329		7761		55	65	65	40	55								184%		Missed shot.		
1329		7762	65416															OK		
1421	240203	7890	65616															LAST SHOT		
1423	240204	7896	65624							80	08	110	3.0	9	24	24	1400?	FIRST SHOT		
1427		7905	65635															RC/RP		
1428		7907	65636															No TB.	TR. 6	
1428		7908	65637															CONTINUE		
1432		7918	65657	62	70	70	40	55	-				2.0					(32, 34, 34, 31) A trip delay to 2.0		
1517	240204	8031	66032															LAST SHOT		
1521	240205	8040	66036															FIRST SHOT		
1523		8046	66044	65	93	75	45	55	-	80	08	110	2.0	9	24	24	805	RC/RP		
1524		8048	66045															(27, 30, 32, 31) GUNS		
1533		8070	66073															CONTINUE		
1614	240205	8174	66242															STARTING 972-22	TR. 6	
1617	240206	8180	66250															LAST SHOT		
1618		8187	66255							80	08	110	2.0	9	24	24	835	FIRST SHOT		
1620		8189	66257	62	93	100	45	70	-									good shot		
1621		8191	66260															RC/RP		
1713	240206	8318	66457															(25, 36, 42, 41) GUNS		
1714	240207	8323	66464															CONTINUE		
1714		8324	66465															LAST SHOT		
1715		8326	66466	62	95	100	50	65	-									FIRST SHOT		
1739		8886	66582															RC/RP		
1755																		(36, 32, 34, 31) GUNS		
1808		8457	66671															1000+	CONTINUE	TR. 6
																		4.0	A trip delay to 4.0	TR. 6
																			Begin turn to 045°	
																			end	

CRUISE		LINE		AREA - PROJECT														DATE	
IG 23-2		GT2-23		Gulf of Mexico Tectonics II														19 JAN '77	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
1810		8463	66677	68	90	100	40	75									1848	Begin	
1810		8464	66700															RC/RP - Rewound back	
																		Continue off - didn't find	
																		number? -	
1812		8469	66701															may wait over?	
1814		8472	66704															continue	
1815		8475																RC/RP	
1816		8476																No time break again	
																		May have recorded over	
																		some shot pts	
																		TRY new tape?	
																		RC/RP didn't appear	
																		to be finding no. on	
																		rewind	
Begin New tape + LINE GT2-23																			
1819	240208	8486	66717	68	90	100	40	75	80	8	110	4.0	9	24	24		1848	Begin, RC/RP	BEGIN
1820		8488	66720															continue	LINE
																			23
1846		8552	67020										10.0					*change record length	
																		to 10.0 sec.	
1910	240208	8613	67114															end	
1912	240209	8617	67121	57	101	100	55	64	80	8	110	4.0	10	24	24		1846	Begin RC/RP	
1913		8620	67123															continue	
2001	240209	8739	67312															end	
2003	240210	8744	67317	68	100	100	54	58	80	8	110	4.0	10	24	24		1844	Begin RC/RP	
2003		8746	67320															Continue	
2006		8754	67330															A tape delay	

CRUISE		LINE		AREA - PROJECT														DATE	
IG 23-2		GT 2-23		Gulf of Mexico Tectonics II														19 JAN 1977	
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
2051	240210	8866	67510															end	
2054	240211	8872	67516	55	98	100	55	57	-	80	08	110	4.2	10	24	24	1842	begin RC/RP,	
20			675															Didn't work	*
2055	240211	8875	67517															RC/RP didn't find #	-
2056		8877	67520															continue	0
2058		8883	67526															RC/RP	
2059		8885	67527															Continue - no time break	
2059		8886	67530															Continue	
2144	240211	8998	67710															end	
2146	240212	9002	67714	60	100	100	55	64	-	80	8	110	4.2	10	24	24	1843	begin RC/RP	
2146	"	9004	67715															no time break	
2147		9005	67716															continue	
2234		9123	70104															end	
2237	240213	9130	70113	50	97	100	57	57	-	80	8	110	4.2	10	24	24	1841	RC/RP begin	
2238		9132	70114															No T.B	
2238		9133	70115															continue	
2325	240213	9251	70302															Last Shot	
2325		9252	70303															Missed shot	
2326		9253	70304															"	
2326		9254	70305															"	
2327	240214	9255	70306															1st Shot	
2327		9256	70307														1840	RC/RP	
2327		9257	-															Missed Shot	
2328		9258	70310	56	97	100	59	60										No T.B	
		9259	70311															OK	
0006																		042° c/c	
0016	240214	9372	70445															Just 5'	

CRUISE		LINE		AREA - PROJECT										DATE					
1823-1		592-23		Gulf of Mex. - Section II										20579					
TIME	REEL	SHOT Pt. No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0017	240215	9379	70502															lit. st	
0019	↓	9382	70506							31	33	35	30	9.20	10	24	24	R & R D	
0019	↓	9384	70508	62	100	100	59	59	-	80	08	110	9.20	10	24	24	1839	Continuing	
0105	240215	9500	70672															1st shot	
		9501	70673															Missed shot	
0106		9502	70674															"	
		9503																"	
		9504																"	
		9505	70677															"	
0107	240216	9506	70700															1st shot	
	↓	9507	70701															OK	
0107	↓	9508	700702	57	100	100	59	60	-	30	30	33	30				1838	RC/RP	
	↓	9509	-															Missed shot	
	↓	9510	70703															NO TP.	
0109	↓	9511	70704															OK	
0155	240216	9625	71066															1st shot	
0155		9626	71067															Missed shot	
0156		9627	71070															" "	
0156		9628	71071															" "	
0157		9629	71072															RC/RP	
0157		9630	-															Missed shot	
0158		9631	-															Broken Tape	
		9632	71477															Search forward/missed shot	
		9633	-															Missed shot	
		9634	71073															OK	
0159		9635	71074															RC/RP	
		9636	-															search forward	
0200		9637	-															(Failed to stop on RC/RP)	

These shots
missed
broken tape
and not
properly
recorded

CRUISE		LINE		AREA - PROJECT														DATE	
IG 23-2		GT2-23		G. Mex Gulf Tectonics II														20 Jan 77	
TIME	REEL	SHOT Pt.No.	RECORD No.	STREAMER DEPTH						GAIN (Db)			TRIP DEL.	REC. LGTH	FOLD	REP. RATE	WATER DEPTH (Fm)	REMARKS	Inits. of Obs
				1	2	3	4	5	6	INIT.	RATE	FINAL							
0200		9638	71075															OK.	
		9639	71076															OK	
0201		9640	71077															OK	
0201		9641	71100															RC/RP	
		9642	-															Missed shot	
		9643	-															didn't find record. Missed	
0202		9644	-															Missed shot	
		9645	71101															Missed shot	
		9646	71102															Delete all	
0204		9647	71103															previous shots	
		9648	71104															up to Reel 240216	
		9649	71105															" New Tape	
0205	240217	9650	71106	67	97	101	55	65	-	80	08	110	4.2	10	24	24	1836	RC/RP	
		9651	-															Missed shot	
0206		9652	71107															OK	
0206	✓	9653	71110															(37, 31, 33, 32 GUNS)	
0253	240217	9771	71276															LAST SHOT	
		★	CHANGE TO 12-FOLD COVERAGE GT2-23 cont'd																
										80	08	110	4.2	10	12	30		FIRST SHOT	
0255	240218	9775	71302														1838	RC/RP	
0256		9777	71303	66	99	160	59	55	-									CONTINUE	
0316		9817	71352															tape not recording	
0317		9818	71353															remount reel, O.K., continue	
0358																		generator power goes off. DFS down	
																		pull streamer	
																		MCS acquisition for IG 23-2	

I77

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(1)

IG 23-2Tape Inventory

Box #1	—	240001	—	240010	—	10
Box #2	—	240011	—	240019	—	10 9
#3		240020	—	240029	—	10
#4		240030	—	240037	—	8
#5		240038	—	240047	—	10
#6		240048	—	240057	—	10
#7		240058	—	240065	—	8
#8		240066	—	240075	—	10
#9		240076	—	240084	—	10 9
#10		240085	—	240093	—	9
#11		240094	—	240102	—	9
#12		240103	—	240111	—	9
#13		240112	—	240120	—	9
#14		240121	—	240129	—	9
#15		240130	—	240138	—	9
#16		240139	—	240147	—	9
#17		240148	—	240156	—	9
#18		240157	—	240166	—	9
#19		240167	—	240174	—	8
#20		240175	—	240184	—	10
#21		240185	—	240190	—	6
#22		240191	—	240200	—	10
#23		240201	—	240210	—	10
#24		240211	—	240218	—	8

I77

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IG 23-2Tape Inventory

Box #1	—	240001	—	240010	—	10
Box #2	—	240011	—	240019	—	10 9
#3		240020	—	240029	—	10
#4		240030	—	240037	—	8
#5		240038	—	240047	—	10
#6		240048	—	240057	—	10
#7		240058	—	240065	—	8
#8		240066	—	240075	—	10
#9		240076	—	240084	—	10 9
#10		240085	—	240093	—	9
#11		240094	—	2400102	—	9
#12		2400103	—	240111	—	9
#13		240112	—	240120	—	9
#14		240121	—	240129	—	9
#15		240130	—	240138	—	9
#16		240139	—	240147	—	9
#17		240148	—	240156	—	9
#18		240157	—	240166	—	9
#19		240167	—	240174	—	8
#20		240175	—	240184	—	10
#21		240185	—	240190	—	6
#22		240191	—	240200	—	10
#23		240201	—	240210	—	10
#24		240211	—	240218	—	8

800242 / 646 - 883

SM OCT DEC

3107 1206 646 } 173

(239)

(237)

(+2)

647 +1
762 +1

3346 1563 883 }

(X)

883 +1

800243 / 889 - 1126

SM OCT DEC

3353 1571 889

(238)

(237)

(X)

1003 +1

3591 2146 1126 }

(X)

1126 +1

800244 / 1132 - 1368

SM OCT DEC

3598 2154 1132

(237)

841

(236)

(X)

1747 +1

3835 2530 1368 }

6

(X)

1368 +1

800245 / 1373 - 1488

SM OCT DEC

3841 2535 1373 }

(115)

(115)

(+114) 0

3456 2720 1488 }

9

8

(X)

1488 +1

65

SP. DCTD, DEC REC, 2663-2392

SP. DCTD, DEC REC,

4739, 4327, 2263

(129) 125 } 130 (0)

4868 } 4530 2392

6 5 ~~41~~ 2392+1

800250 2392-2651

SP. OCT DEC

4874 4535 2397

(256) (254) } 251 (42) 2529+1-2529+2

5130 5133 2651

7 5 ~~42~~ 2654+2

800251 2656-2709

SP OCT DEC

5137 5140 2656

(258) (253) } 193 (5)

5395 5535 2709

4 4

2656+1
2775+1
5470
21
72
73

800254 2913 + 3072

SP OCT DEC

5399 5541 2913

(160)

(159)

146

(*)

3942 + 1

5559 6090 3072

2

800253

SP OCT DEC

5561 6002 3074

(322)

(316)

296

(+6)

5583 6476 3390

}

3196 + 1
3323 + 1

(32)

2
2
2
2
2

5883 3390
- 3197 - 646

2776 2744

(32)

5684

5685

5862

5687

5850 2050/187

5851

5852

5853

(4)