trc
830137

U.S.G.S.
GEOPHYSICS
LOG

3.5 KHtz
DFS V Near Trace Mon. "A"
DFS V Near Trace Mon. "B"

SHIP Gyre

CRUISE NO. 83-14

DATE Nov. 1983

CHIEF SCIENTIST Mattick

83-14
GYRE 103588
830A3

8301 [redacted]

SHIP/CRUISE NO./LEG RV/GYRE/83-14/

CHIEF SCIENTIST Mattick + Grow

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	1200	831104				
1 /	1654Z	"	248	3.6	LoranC, Satellite	3.5
1 /	1654Z	"	248	3.6	"	Near Trace A
1 /	1654Z	"	248	3.6	"	Near Trac B
	1717	"	248	3.5	"	3.5
	1722	"	248	3.5	"	N.T. "B"
	1730		248	3.4	"	3.5, NT A NT B
	1800Z	"	249	3.6	"	"
	1830Z	"	236	3.5	"	"
	1900Z	"	243	3.5	"	"
	1930Z	"	245	3.8	"	"
	1941Z					
	2000Z	"	251	4.3	"	"
	2030Z	"	248	4.0	"	"
	2035Z					
	2100Z	"	253	4.0	"	"
	2127Z	"				
	2130Z	"	254	3.8		
	2132Z					
	2145Z	"	253	3.8	"	"
	2200Z		254	3.8	"	"
	2230Z		253	3.8		
	2300Z	"	253	3.8		
	2330Z	251	[redacted]	4.0	"	"
	2400Z		251	4.0		
	0300Z	831105	254	4.0	"	
	1002	"	254	4.0		
	0146Z					
	0547Z	831105	281	4.6	"	3.5 KHZ
	0547Z	831105	281	4.6	"	NT A
	0547Z	831105	281	4.6	"	NT B
	0600Z	"	272	4.9	"	3.5/NTA/NTB

AREA Texas OCS GALVESTON AREA
TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SP	COMMENTS
						start laying streamer
2.0	R EDGE	~~8HZ/130~~			1	SOL -1
4.0		8HZ/130HZ			1	SOL -1
4.0		20/130			1	SOL -1
.5	R Edge	—				chg to .5 sec swp
2.0		—				Sweep change
—	—	—	—	—	—	ON Line -1
0.5	B EDGE	20/130			290	N2/DO ON WATCH
"	"	"			422	4 SEC. MONITOR LIST ANNOTATED THIS MARK
"	"	"			547	NONE
"	"	"			678	NONE
					737	SHUT DOWN STARBOARD H_2O GUN
"	"	"			828	PORT H_2O GUN ONLY
"	"	"			983	" "
—	—	—	—	→	1663	STRB 540 IN^3 AIR GUN ONLY
"	"	"			1134	STRBD 540 IN^3 AIR GUN ONLY
—	—	—	—	—	1256	DFSI DECK 1 NOT ADVANCING TAPE
					1288	DFSI DOWN
—	—	—	—	—	1289	DFSI BACK ON LINE
"	"	"			1346	SPECIAL SET FOR DFSI OPERATOR
"	"	"			1416	
"	"	"			1560	JL + QP on watch
"	"	"			1698	
"	"	"			1843	
					1990	
					2139	
					2194	
					2325	stop shooting, begin circle
						DW+RW ON WATCH
0.5	R Edge				2327	BACK ON LINE 1
4.0	0.0 Delay	8/130			2327	"
2.0	0.0 Delay	20/130			2327	"
2.0	0.0 Delay	20/130			2393	" N2/DO ON WATCH

SHIP/CRUISE NO./LEG RV GYRE/83-14

CHIEF SCIENTIST MATTICK/GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
1/		831105			LORANC/SATTITE	3.5/NTA/NTB
	0610Z					
	0630Z		258	4.5		
	0700Z	"	247	5.2		
	0730Z		247	4.8		
	0800Z	"	251	4.8		
	0830Z	"	256	5.0		
	0900Z	"	255	5.0	"	"
	0930Z	"	256	5.0	"	"
	0950Z	"	256	5.1		
	1000Z		253	"		port gun quit firing
	1032Z		253	5.1		
	1100Z		254	4.5		
	1130Z		252	4.5		
	1200Z		254	4.5		
	1230Z		254	4.8		
	1300Z		250	4.9		
1	1332Z		250	4.9		
	1400Z					C.O.L #1
						COL #2 11/07/83 1328Z
2/	1328Z	831107	151	4.0		
2	1328Z	831107			LORANC, SATELLITE	3.5 KHZ
						NEAR TRACE A
						NEAR TRACE B
	1400Z					

AREA TEXAS OCS / GALVESTON AREA

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	SP ~~MAGNETICS~~	COMMENTS
2.0	0.0 Delay	20/130				
					2448	MOVE OFFLINE TO AVOID SHOOTING
					2562	
					2740	
"	"	"			2920	
"	"	"			3100	
"	"	"			3281	
"	"	"			3465	
"	"	"			3648	
					3783	PORT GUN QUIT FIRING
					3894	JL/BP ON WATCH
"	"	"			4011	
"	"	"			4161	
					4331	
	"				4499	
	"				4674	
	"				4856	
	"				5050	
	"				5151	E.O.L /
						DW+RW on Watch
						Brought in all seismic & magi gear - finished @ 1615 & steamed to Galveston
4	"	"			1	B.O.L # 2
						S.P 25 magnetometer taken offline for adjustment
						S.P. 35 magnetometer back on line
						JL/BP ON WATCH
.5	RG Edge	—	—	—		Status for BOL #2
4.0	0.0 Delay	8/130	—	—		"
2.0	0.0 Delay	20/130	—	—		"
						RW+DW on Watch

2168/2065

SHIP/CRUISE NO./LEG RV GYRE / 83-14

CHIEF SCIENTIST MaHick/Grow

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
2	1422Z	831107				NT "A"
2	1437Z					NT "A"
2	1456Z					AIRGUNS
2	1537Z					AIRGUNS
	1550Z					AIRGUNS
	~1610Z					
	1632Z					
2	1800					3.5, NTA, NTB, 0 SEC DELAY ON
2	1830Z	831107	162			A & B
"	1900Z	"	162	4.1		3.5: RANGE, 2.0 SWP, 0.5 TIMES
	1902Z					NTA: 4.0 SEC, NTB: 2.0 SEC
	1930Z	"	165	4.4		
	1959Z					
	2000Z		168	4.1		
	2015Z					
	2018Z					
	2019Z					
	2030Z		170	4.0		
	2100Z		169	4.2		
	2130Z		168	4.3		
	2200Z		167	4.4		
	2230Z		163	4.2		
	2300Z		167	4.4		
	2330Z		166	4.5		
	2400Z		157	4.4		
	0018	831108	167	4.5		Airgun down starboard
	0030	831108	179	4.9		

AREA GALVESTON
TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SHOT PT. ~~MAGNETICS~~	COMMENTS
					289	Switched to Channel B
		20/130			370	Filter Change
					465	Starboard Gun "OFF"
					694	Starboard Gun BACK ON LINE
						Reduce ship speed to ~3Kts to →
						enlarge gun offset
					811	OFFSET COMPLETE ~181 m
					965	STARBOARD GUN OFF
3.5	MONITORS				1409	
2.0	REDGE/2.0 B/4.0 A	20/130			1562	STARBOARD GUN DOWN, PORT GUN ONLY
"	"	"			1709	NZ/DO ON WATCH
						BRINGING STRBD GUN ON DECK
"	"	"			1860	
						STARBRD GUN BACK ON LINE
					2017	
					2064	DFSV Deck #1 CONTINUOUS RECORD —
						REEL DOES NOT STOP - CHNG TO DECK B
					2118	RECORDING AGAIN - MISSED SPT'S
						2065-2117
					2173	
					2330	
					2486	NTB MARKED 2132Z —
						NTB DID NOT KEY FOR SOME DATA —
						GAIN MODIFIED ON DFSV
					2646	
					2803	
					2963	2300Z MARK
					3126	
					3287	
					3395	compressor down
					3447	

SHIP/CRUISE NO./LEG R/V GYRE 83-14

CHIEF SCIENTIST MATTICK/GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
2	0100	831108	177	5.1	0058Z	SP. 3602 STB GUN
2	0130	"	153	3.9		BACK ON-LINE
2	0145Z	"				
2	0211Z	"	152	4.2		
2	0223Z	"	161	4.1		
2	0239Z	"	162	3.6		
2	0249Z	"	165	4.2		
—	—	—	—	—	—	—
2	0326Z	"	165	4.4	—	—
2						
	0530					
	0545					
2	0555Z					
2	0600Z	831108	169	4.8		NOTED ABOUT ALL MONITORS SAME EXCEPT AS
	0630Z	"	168	4.8		
	0640Z					
	0641Z					
	0642Z					
	0700Z		172	5.0		
	0730Z		172	4.1		
	0800Z		172	4.4		
	0830Z		171	4.3		
	0900Z		173	5.5		
	0930Z		172	4.7		
	1000Z		172	4.4		
	1030Z		170	4.4		
	1100Z		170	4.2		
	1130Z		166	4.4		
	1200Z		166	4.6		
	1230Z		166	4.4		

AREA GALVESTON

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	S.P. MAGNETICS	COMMENTS
2.0	SAME	20/130			3608	COMPRESSOR UP.
					3762	
						DW + RW on watch
					3966	STARBOARD GUN DOWN
					4028	STARBOARD GUN ON LINE
					4114	" " DOWN AGAIN
					4170	" " ON LINE (FUEL FILTER PROBLEMS)
						Starboard gun at 1000 psi
					4374	STRB. GUN OFF, CHANGE FUEL FILTER
						ON DIESAL ENGINE
						NTB BOARD DID NOT WRITE MISSED 0530 MARK
						STARBRD GUN BACK ON LINE
						3.5 BOARD GAIN INCR'D TO 2.0
					5248	DFSV FILE# 5247 - OFF BY 1 FROM NAV
					5420	DFSV FILE # 5419 - OFF BY 1 FROM NAV
					5476	RESYNCH AND DFSV SHOT FILES BTWN NAV.
					5484	STRBD GUN OFF FOR 3 SHOTS
					5487	STRBD GUN BACK ON LINE
					5592	
					5765	
					5937	
					6108	
					6276	
					6445	
					6613	CHANGED 3.5 SCALE
					6781	B. Patterson + J. Leinback
						on watch, 3.5 ptr begins
					6930	at 375 meters
					7092	turned up gain on 3.5 PTR
					7258	
					7429	

SHIP/CRUISE NO./LEG G-83-14

CHIEF SCIENTIST Mattick/Grow

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
2	1300Z	831108	172	4.2		
	1330Z		176	4.3		
						3.5 KHZ
2	1400Z	"	176	4.3		
2	1413Z	"	175	4.4		
2	1452Z	"	168	4.7		
2	1519Z	"	175	4.8		NEAR TRACE B
2	1539Z	"	178	5.0		"
2 ~	1530Z	———				Missed Shot. Pts.
2	1600Z					
2	1635Z					NT "B"
2	1654Z					3.5 KHZ
2	1700Z		"			3.5 KHZ
2	1700Z					NT "A"
2	1733Z		187	5.4		3.5 KHZ
	1800Z		187	5.4		1.0 SEC DELAY; NTA, NTB
	1830Z		188	5.5		
	1848Z					
	1900Z		186	5.5		
	1903Z					
	1930Z		185	5.7		
	1944Z					
	2000Z		188	5.0		
	2016Z					
	2030Z		195	4.8		
	2033Z					
	2100Z		202	5.0		

AREA Galveston

TIME ZONE Central

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SP MAGNETICS	COMMENTS
	Same	20/136			7574	
					7668	reset scale on 3.5 ptr.
						starts at 188/w 75m.
						timing lines/goes to 938
					7730	1230 to mark C
					7751	OFF U "NT B" time
						shifted .5 s.
					7868	changed programs on 3.5 ptr.
						750 → 1500 m
						RW & DW on watch
					7962	STARBOARD GUN DOWN
					8178	" " ON LINE
2.0	0.0 Delay				8338	Change delay on NT "B"
2.0	0.5 Delay				8457	" " " "
Malfunction in TAPE DRIVE MISSED 8410 - 8448						
					8582	
	1.0 Delay				8800	NT "B" Delay Change
1.0	TGR 3/4 (938-1688m)				8916	PROGRAM CHANGE
1.0	TGR 1/4 (1313-2064m)				8950	"
4.0	1.0 Delay				8950	"
1.0	TGR 3/4 (938-1688m)				9162	"
1.0	TGR 3/4 (938-1688 m)				9340	DO/NZ ON WATCH
					9538	
						STRBD GUN OFF LINE
					9739	
						STRBD GUN BACK ON LINE
					9948	
						PORT GUN OFF LINE
					10142	
						PORT GUN BACK ON LINE
					10321	
						PORT GUN OFF LINE
					10502	

SHIP/CRUISE NO./LEG G83-14

CHIEF SCIENTIST MATTICK/GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
2	2130Z	831108	189	5.1		NTA, NTB: 1 SEC DELAY
	2157					Leinbach + Patterson
	2260					on watch
	2300Z		183	6.1		
	2330Z		178	6.2		
	2400Z	831109	178	6.0		
	0030Z	"	177	6.0		
	100Z		172	6.1		
	1347Z		172	6.1		
2A	0200Z					
2A	0235Z					
2A	0242Z		171	6.0		
2A	0246Z		170	6.0		NT "B"
2A	0335Z		166	6.0		3.5 KHZ
2A	0336Z		167	6.0		AIR GUNS
2A	0341Z		164	6.0		"
2A	0355Z		165	6.0		3.5 KHZ
2A	0416Z		165	5.9		NT "B"
2A	0431Z		162	5.6		3.5 KHZ
2A	0451Z		165	6.2		NT B
2A	0452Z		165	6.2		3.5 KHZ
2A	0455Z		167	5.7		NT B
2A	0456Z		167	5.9		NT A
2A	0516Z		161	5.6		NTA
2A	0526Z					
2A	0528Z					
2A	0600Z		163	5.5		
2A	0610Z					
2A	0630Z		164	5.3		

AREA GALVESTON

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	~~MAGNETICS~~ SPT	COMMENTS
—	1sec, TGR 3/4	20/130			10685	
					10852	50 M. SHOTS (Δ From 25 M.)
					10857	
					10935	'B' Near TRACE time delay upped to 1.5 sec.
						3.5 PTR program changed
					10961	to TGR edge 1500-2250 m
					11081	
					1302	Julian date change to
						11 09 83
					1414	
					1526	
					1656	
						RW+DW on watch
					1877	PORT GUN DOWN
					1906	" " ON LINE
2.0	2.0 Delay				1920	NT "B" Delay Change
1.0	TR 3/4 (1688-2438)				2099	
					2101	PORT GUN DOWN
					2121	" " ON LINE
1.0	TR 1/4 (2064-2814)				2176	PROGRAM CHANGE
2.0	2.5 Delay				2249	Delay CHANGE
1.0	TRTGR 3/4 (2438 m-3188m)				2303	PROGRAM CHANGE
2.0	3.0 Delay				2378	Delay CHANGE
1.0	TRTGR 1/4 (2814m-3564m)				2381	PROGRAM CHANGE
2.0	3.5 Delay				2389	Delay CHANGE
4.0	3.0 Delay				2395	NTA Delay CHANGE
4.0	4.0 Delay				2468	NTA Delay
					2502	STARBOARD GUN DOWN
					2510	" " ON
					2619	
	4.0 DELAY					NTB DELAY
					2721	

SHIP/CRUISE NO./LEG G83-14

CHIEF SCIENTIST MATTICK/GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
2A	0700Z	831109	158	4.8		NTA, NTB: 4.0 SEC. DELAY
	0730Z		155	4.9		3.5 kHz: 1 SEC SWEEP, TRIGGER ¼
	0800Z		155	4.3		
	0828Z					
	0830Z		158	5.3		
	0834Z					
	0846Z					
	0849Z					
	0900Z		157	4.9		
	0930Z		156	4.8		
	1000Z		156	4.7		
	1030Z		155	4.7		
3		831109				
	1300Z		356	3.8		
	1330Z		1.5	3.7		
3	1357Z					
3	1502Z	831109	358	3.4	—	AIR GUN
3	1728Z	"	322	4.0	—	"
3	1748Z	"	—	—	—	—
3	1800Z		322	4.2		
3	1830Z		321	4.3		
3	1900Z		321	4.3		
3	1918Z					
3	1930Z		317	4.3		
3	1945Z					
3	2000Z		318	4.0		

AREA GALVESTON

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS SPT	COMMENTS
		20/130			2816	
					2909	
					3002	
					3091	PORT GUN OFF LINE
					3095	
					3111	PORT GUN BACK ON LINE
					3134	PORT GUN OFF LINE
					3147	PORT GUN ON LINE
					3156	STRBD GUN OFF LINE
					3191	
					3297	
					3380	0100Z MARK
					3466	
					3450-3490	LOST OTHER GUN
						CIRCLE "E.D.L.2A
						Start Line 3
1s.	TRTGR 1/4	20/130			1	1300Z
					14	3.5 KHtz shut down
						for paper change
					27	3.5 ptr back on line
					70	mrk.
						RW + DW on watch
					0284	AIR GUN ON LINE
					0614	STARBOARD GUN DOWN
					0664	" " ON LINE
					0701	DO/NZ on watch
					0779	
					0859	
					0907	PORT GUN OFF LINE
					0937	
					0956	PORT GUN ON LINE
					1015	

SHIP/CRUISE NO./LEG GY83-14

CHIEF SCIENTIST MATTICK/GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
3	2030Z	831109	318	4.2		NTA, NTB: 4.0 SEC DELAY
	2100Z		321	4.5		3.5 KHz: 1 sec swp TRTGR 1/4
	2130Z		320	4.2		
	2200Z		317	3.5		
	2210Z					
	2230		318	4.2		
	2300		317	4.1		
	2330		311	4.1		
	2400		313	4.1		NTA, NTB: 3.0 SEC DELAY
	0030	831109	314	4.0		
	0100		313	4.1		
	0130		313	4.0		
	0133					TRTGR 3/4 on 3.5
	0149					TR 1/4 on 3.5
3	0157Z					
3	0201Z	"				NEAR TRACE "A"
3	0218Z	"				NEAR TRACE "B"
3	0221Z	"				" " "
3	0233Z	"				3.5 KHZ
3	0600Z		306	4.0		
3	0630Z		306	3.9		
3	0700Z		320	3.3		
3	0730Z		319	3.0		
3	0757Z					

AREA GALVESTON

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	~~MAGNETICS~~ SP	COMMENTS
					1091	
					1167	
					1245	
					1318	2200 MARK
					1341	2210 - 24 fold stacking
					1416	
					1569	
					1721	
					1875	2400Z MARK
					2029	
					2178	
					2323	
					2333	@1337 ENTRY
					2422	0149 ENTRY
						RW+DW ON WATCH?
4.0	2.0 SEC DELAY				2516	NT "A" DELAY CHANGE
2.0	2.5 SEC DELAY				2570	NT "B" DELAY CHANGE
2.0	2.0 SEC DELAY				2582	" " " "
1.0	TGR Edge (1500-2250m)				2649	PROGRAM CHANGE on 3.5 KHz
					3658	
					3802	
					3931	
					4048	
					4078	EOL 3

SHIP/CRUISE NO./LEG G-83-14

CHIEF SCIENTIST Mattick/Grow

LINE START / END	TIME	YYMMDD JD 317	CRS/HDG	SPD	NAVIGATION INS	SEISMIC SYSTEM
GMT	0504Z	831113	224	3.7	LORAN C, Satellite	AIR GUN 2000 in³ NTA
	0504Z	83 11 13	224	3.7	"	" " " NTB
	0504Z	83 11 13	224	3.7	"	3.5KHZ
GMT-1	0600	83 11 13	227	3.8	"	same
"	0630	83 " 13	234	3.7	"	"
"	0700	83 " 13	230	3.7	"	"
"	0730	83 " 13	229	3.8	"	"
"	0800	83 " 13	227	3.8	"	"
"	0830	83 " 13	230	3.5	"	"
"	0900	83 " 13	232	3.7	"	"
"	0925	83 " 13				
"	1016	831113	235	3.1		
"	1030	83 " 13	235	2.5	"	
"	1035	83 " 13	"	"	"	
"	1100	83 " 13	232	3.7	"	"
"	1130	83 " 13	234	3.7	"	"
"	1200	"	237	3.6	"	"
"	1230	"	230	3.4	"	"
"	1300	"	231	3.5	"	"
"	1330	"	230	3.7	"	"
"	1338	"	"	"	"	"
"	1344	"	"	"	"	"
"	1522	"	234	3.6	"	NT "A"
"	1525	"	"	"	"	NT "A"
	1750					
	1800		236	4.0		
	1812		237	3.9		

AREA Galveston Tx OCS

TIME ZONE Central

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SHOT PT. ~~MAGNETICS~~	COMMENTS
8.0	O.D Delay	2/70			1	SOL GMT 1
4.0	O.D Delay	2/70			1	SOL GMT 1
.5	RG Edge (0-375m)				1	SOL GMT 1
"	"	"	—	—	128	ON Line GMT-1 on watch owen & ihlman
"	"	"	—	—	197	
"	"	"	—	—	267	ON Line GMT-1
"	"	"	—	—	337	ON Line GMT-1
"	"	"	—	—	408	ON Line GMT-1
"	"	"	—	—	475	ON Line GMT-1
"	"	"	—	—	544	ON Line GMT-1
—	—	—	—	—	602	Gun not firing
						GUN FIRING - START W/677
"	"	"	"			BUT DFS IV NOT RECORDING ON TAPE (TAPE MISTHREADED)
"	"	"	"			TAPE FIXED & Seismic Back ON LINE
"	"	"	"		764	ROUTINE
"	"	"			830	"
"	"	"	"		895	"
"	"	"	"		960	"
"	"	"	"		1027	"
"	"	"	"		1094	"
"	"	"	"		1113	Change Belt on Recorder A - off for 2 Shots - FAST BELT change BY TWIG !!
"	"	"	"		1125	Change Belt on 3.5 Bathy - OFF 2 minutes
—	—	—			1349	Change belt
—	—	—	—	—	1357	Belt change complete
					1680	EOL → RESTART AT 1691
					1710	
					1740	EOL GMT-1

SHIP/CRUISE NO./LEG EW-83-14

CHIEF SCIENTIST MATTICK/GLOW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	1910Z	831114				NTA, NTB 0.0 sec Delay on Both
						3.5 kHz
GMT3/	2015Z	" "	101	4.0	INS, LORAN C, SATELLITE	NTA/NTB: 4 sec/ "
GMT-3	2030Z	" "	105	4.2	"	"
	2052Z					
	2054Z					
	2100Z		103	4.0		
	2130	" "	103		"	"
	2200	" "	106	3.9	"	"
	2300		103	4.1		
	2400		109	4.1		
	100		108	4.2		
	0200Z	831114				
	0209Z					
ESP2/						
GMT3C	0600Z	831115	75	4.8	"	"
						3.5 KHZ
						NEAR TRACE A
						NEAR TRACE B
	0700Z	" "	89	4.7		
	0800Z		96	4.9		
	0900Z		86	5.5		
	1000Z		86	5.3		
	1001Z					
	1100	"	98	6.0	"	
TRANSIT	0200Z	831115	228	3.9		SEA STATE VERY ROUGH

AREA GALVESTON

TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	~~MAGNETICS~~ SPT	COMMENTS
1.0	TR 3/4					NO MAGNETOMETER IN USE
"	NTA	20/70				
"	NTB	2/70				
"	"	"			004	BOL GMT-3
"	"	"			016	
						STARBOARD GUN OFFLINE
						STRBD GUN ONLINE
					46	
"	"	"	——	——	76	
"	"	"			106	
"	"	"			166	
					226	
					286	
					308	last shotpoint shot by GYRE, guns down
						Near Trace B 8 sec record
						Near Trace A 4 sec record
					310	first S.P. when Moore began firing
						RW + DW on watch
					334	Moore breaks offline, both ships circle to restart line
					341	RESTART LINE AT MIDPT
1.0						
4.0		20/70				
8.0		2/70				
					401	
					461	
					521	
					581	
					641	3.5 PGM CHNG'D TO R EDGE
WAVES 10-12 ft.						RW + DW on watch

SHIP/CRUISE NO./LEG GYRE-83-14

CHIEF SCIENTIST Mattick/Grow

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION INS	SEISMIC SYSTEM
GMT-5	0430Z	831115	280	4.4	LORAN C, SATELLITE	NEARTRACE "A"
"	"	"	"	"	"	NEARTRACE "B"
"	"	"	"	"	"	3.5 KHZ
	600Z		275	4.4		
	638Z		280	4.3		
	0700Z		279	5.0		
	0706Z		278	5.1		
	0800Z		281	5.0		
	0831Z					
	0900Z		279	5.0		
	1000Z		293	5.0		
	1024Z		260	5.0		
	1132Z		119	3.6		start GMT-5 COR
	1200Z		121	4.6		line
	1400Z	831116	121	4.6		
	1600Z	"	127	3.7	"	3.5 KHz
	1635Z	"	119	3.7	"	
	1653Z	"	128	3.8	"	
	1653Z	"	"	"	"	3.5 KHz
	1653Z	"	"	"	"	Near Trace "A"
	1653Z	"	"	"	"	Near Trace "B"
	1800Z		121	4.9		
	1803Z					
	1900Z		100	4.7		
	1922Z					
	1928Z					
	1944Z					
GMT-7	1945Z					
	0200Z					

AREA Texas OCS

TIME ZONE Central

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	SHOT ~~MAGNETICS~~ POINT #	COMMENTS
8.0	D.O delay	20/70			1	SOL GMT-5 ROUGH SEA
4.0	D.O delay	2/70			1	SOL GMT-5 STATE SEAS
.50	TRTGR 3/4 (12	19-1594 m)			1	SOL GMT-5 ~ 7-8 ft
					80	SEA STATE SUCKS!
					119	26°53.458' 94°35.818'
					140	
.50	TRTGR 1/2 (13	13-1688)			146	Δ3.5 TO TRTGR 1/2
					200	
					230	Δ3.5 PAPER
					260	
					320	
					341	EOL GMT-5
					1	SOL GMT-6 Cop line
					28	
					131	RW + DW on watch
.5	TREdge (1125-1500 m)				252	PROGRAM CHANGE
					287	EOL GMT-6 RESHOOT
						SEA STATE VERY CHOPPY ~ 3-4'
					1	SOL GMT-7
.5	TREdge (1125-1500m)				1	Recorder Status @ SOL GMT-7
4.0	0.0 delay				1	" " "
8.0	0.0 delay				1	" " "
					69	
0.5	TR 1/4 (1031-1406)					Δ3.5 To TR 1/4
					129	
0.5	TREdge (1125-1500)					Δ3.5
1.0	TGR 1/2 (1125-1876)					Δ3.5
1.0	TGR 1/4 (1313-2064)					Δ3.5
						EOL GMT-7
						RW + DW on watch

SHIP/CRUISE NO./LEG GYRE-83-14

CHIEF SCIENTIST Mattick/Grow

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION INS	SEISMIC SYSTEM
GMT-9 /		831117			"	3.5 KHz
"		"	"	"	"	Near Trace "A" 1.0 sec Delay
"		"	"	"	"	Near Trace "B" 1.0 sec Delay
GMT-9	0632Z	831117	56	3.5	"	"
	0700Z		51	4.2		
/ GMT-9	0709Z		53	4.4		
	0900Z		343	4.9		
GMT-9	0940Z		48	4.4		
	1000Z		57	4.1		
	1100Z		48	3.8		
	1200Z		47	3.5		
	1300Z		41	3.3		
	1334Z		41	5.0		80 cu in ESP-4
ESP4 /	1400Z	831117	39	5.8	"	
	1428Z	"	45	4.7	"	3.5
	1800Z		31	4.3		
	1900Z		31	4.1		
	1922Z		29	4.2		
	1341Z	83 11 18				3.5, PTR turned on
GMT-12	1442Z	"	112	4.8	"	3.5 KHz
	"	"	"	"	"	Near Trace "A"
	"	"	"	"	"	Near Trace "B"
	1510Z	"	"	"	"	3.5
	1517Z	"	"	"	"	3.5
	1603Z	"	115	4.4	"	NT "A"
	1613Z	"	112	4.3	"	NT "A"
	1629Z	"	112	4.4	"	AIR GUN - PORT
	1644Z	"	107	4.6		

AREA Texas OCS

TIME ZONE Central

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SHOT ~~MAGNETICS~~ POINTS	COMMENTS
1.0	TGR 1/4 (1313-	206m)			1	Recorder Status SOL
4.0		20/70			1	GMT-9 - SEA STATE
8.0		2/70			1	CALM ~ 2-3'
"	"	"	"	"	7.0	SOL GMT-9 (ESP4)
					72	
					95	EOL GMT-9, CIRCLE TO RESTART
						STILL CIRCLING TO RESTART
					1	SOL GMT-9B
					53	change watch → Jim + Allen
					199	
					335	sunrise fantastic!
					459	F. Moore circling off line
					500	E.O.L. 1319Z preparing for ESP line #4
						SOL ESP-4
						RW + DW on watch
1.0	TGR 3/4 (938-	1688m)			55	PROGRAM CHANGE
					266	DD/NZ on watch
					327	
					349	EOL ~~ESP4~~
						RW + DW on watch, "A" Team
1.0	TRTGR Edge (3000-	3750m)			1	RECORDER STATUS SOL GMT-12
4.0	3.0 sec delay	20/70			1	" " "
8.0	3.0 sec delay	2/70			1	" " "
1.0	TRIEdge (NO WATER BOTTOM AVAILABLE)				*25	PRGM CHANGE - Difficulty finding water bottom on recorder
1.0	TRTGR. Edge (3000-3750m)				32	
4.0	2.0 Delay (secs)				78	NT "A" Delay change
4.0	4.0 Delay (secs)				88	WRONG WAY Delay ↑
					104	PORT AIR GUN DOWN
					119	" " " ON LINE

* ROUGH TROUGH ACTION + DEEP WATER COLUMN CAUSED WEAK SIGNAL ON 3.5 KHz RECORDER, THUS CAUSING A WEAK OR MOSTLY BLANK RECORD

SHIP/CRUISE NO./LEG GYRE-83-14

CHIEF SCIENTIST MATTICK-GROW

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	INS NAVIGATION	SEISMIC SYSTEM
GMT-12	1654Z	831118	106	4.5	"	3.5 KHz
	1720Z	"	"	"	"	3.5KHz
	1800Z	"	104	4.3		
	1900Z	"	128	3.6		
	2000Z	"	130	4.3		
	2100Z	"	47	4.0		
	0000Z	"				
	0200Z	"				
GMT-13	0543Z	"	348	4.6	"	3.5 KHz
	"	"	"	"	"	Near Trace "A"
	"	"	"	"	"	Near Trace "B"
	"	"	"	"	"	SEA
	"	"	"	"	"	STATE
	0554Z					
	0600Z		348	4.3		
	0800Z		346	4.0		
	0706Z					
	0711Z					
	0732Z					
	0745Z					
	0800Z		343	4.4		
	0835Z					
	0843Z					
	0844Z					
	0855Z					
	0900Z		342	5.1		
	0901Z					
	0922Z					
	1630Z		342	5.5		
	1100Z		337	4.6		
	1200Z		330	4.9		

AREA TEXAS OCS
TIME ZONE CENTRAL

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	SHOT ~~MAGNETICS~~ POINT	COMMENTS
						3.5 Recorder Cannot pick up H20 bottom
.5	TGR Edge (3000-3375)				129	PROGRAM CHANGE
1.0	TRTGR Edge (3000-3750m)				155	" "
					195	NO 3.5 RECORDER - INOPERATIVE
					255	
					315	
					375	
					555	EOL GMT-12
						RW+DW on watch
.5	TRTGR 3/4 (1969-2344m)				1	SOL GMT-13 // RECORDER
4.0	2.0 SEC DELAY	20/70			1	" // STATUS
8.0	2.0 sec DELAY	2/70			1	" // for SOL GMT-13
						SEA STATE SLIGHTLY
						ROUGH ~ 6-8'
0.5	TR EDGE (1875-2250)					Δ 3.5 PGM
					33	DO/NE ON WATCH
					151	
0.5	TR 1/2 (1688-2063)				163	Δ 3.5 PGM
0.5	TRTGR EDGE (1500-1875)				175	Δ 3.5 PGM
0.5	TR 3/4 (1594-1969)				215	Δ 3.5 PGM
0.5	TR 1/2 (1688-2063)				243	Δ 3.5 PGM
					272	
0.5	TR 3/4 (1594-1969)				342	Δ 3.5 PGM
0.5	TRTGR EDGE (1500-1875)				357	Δ 3.5 PGM
0.5	TRTGR 1/2 (1813-1688)				360	Δ 3.5 PGM
0.5	TR 1/2 (1688-2063)				384	Δ 3.5 PGM
0.5					392	L
0.5	TRTGR 1/2				393	Δ 3.5 PGM
0.5	TRTGR EDGE				407	Δ 3.5 PGM
					671	
					632	
.5	TRTGR 1/2				696	chng 3.5 PGM
					752	
					770	chng delay NT A+B to 1.5 R

SHIP/CRUISE NO./LEG GYRE-83-14

CHIEF SCIENTIST Mattick

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION INS	SEISMIC SYSTEM
GMT-13	1242	831119	334	5.1	"	chng 3.5 pgm to Tr 1/4
	1300Z		332	4.8	"	(1031-1906)
GMT-13	1400Z	831119	347	5.2	"	

AREA Texas OCS

TIME ZONE Central

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	shot ~~MAGNETICS~~	COMMENTS
.5	TR 1/4	20/70			838	
					872	
.5	TRTGR 1/2 (1313-1618m)				937	TRTGR 1/2 (1318-1618 m.)
					992	EOL. GMT-13
						EO CRUISE