

Time UTC	FILE	SP	Tape	Description
23:49:15		1256		S3G02 - Delta Timing Error
06:23		1661		No Fire, String 4, Guns 7,8,9,10
06:24		1662-1668		String 4 Down
06:34		1672-1673		String 4 Down
06:37		1675		No Fire, String 4, Guns 1,2,3
06:38		1676		No Fire. String 4, Guns 2,3,4
06:39		1678		No Fire. String 4, Guns 2,3
06:40		1679		No Fire. String 4, Guns 2,3,4; String 3, Gun 1
06:41		1680		No Fire, Strings 3,4
06:47		1686		No Fire, String 4
06:47		1686-EOF		Continued Random Misfires on String 3 and 4 throughout End of Line 31-N
09:04		1828		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:05		1829		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:06		1830		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:07		1831		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:08		1832		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:09		1833		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:10		1834		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:11		1835		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:12		1836		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:13		1837		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:14		1838		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:15		1839		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:16		1840		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:17		1841		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:18		1842		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:19		1843		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:20		1844		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:21		1845		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:22-09:24		1846-1849		S1 G10 No Fire, MGL0906_31N Exceed Max Bad Shot Count. No Fire Error
09:25		1850		S1 G10 Turned off, S1 G5 Timing Error;MGL0906_31N Bad Shot
09:26		1851		MGL0906_31N Bad Shot Count and Timing Error; S2G5 Timing Error
10:11		1899		MGL0906_31N Line, Exceed Maximum Bad Shot Count
10:11		1899		MGL0906_31N Shot, No Fire Error
10:11		1899		String 3, S3G1 Gun, No Fire
12:53		2065		MGL0906_31N Line, Exceed Maximum Bad Shot Count
12:53		2065		MGL 0906_31N Shot, No Fire Error
12:53		2065		String 3, S3G1 Gun, No Fire
13:16:40		2088		MGL0906_31N Line; Exceed maximum bad shot count
13:16:40		2088		MGL0906_31N Shot, No Fire Error
13:16:40		2088		String 03; S3G01 Gun; No Fire
13:19:35		2091		MGL0906_31N Line: Exceed Maximum bad shot count
13:19:35		2091		MGL0906_31N Shot, No Fire Error
13:19:35		2091		String 03 S3G01 gun, No fire
13:28:35		2100		MGL0906_31N Line: Exceed Maximum bad shot count
12:28:35		2100		MGL0906_31N Shot, No Fire Error
12:28:35		2100		String 03 S3G01 gun, No fire

13:31:41		2103	MGL0906_31N Line: Exceed Maximum bad shot count
13:31:41		2103	MGL0906_31N Shot, No Fire Error
13:31:41		2103	String 03 S3G01 gun, No fire
13:34:39		2106	MGL0906_31N Line: Exceed Maximum bad shot count
13:34:39		2106	MGL0906_31N Shot, No Fire Error
13:34:39		2106	String 03 S3G01 gun, No fire
13:39:49		2111	MGL0906_31N Line: Exceed Maximum bad shot count
13:39:49		2111	MGL0906_31N Shot, No Fire Error
13:39:49		2111	String 03 S3G01 gun, No fire
13:40:48		2112	MGL0906_31N Line: Exceed Maximum bad shot count
13:40:48		2112	MGL0906_31N Shot, No Fire Error

13:40:48		2112	String 03 S3G01 gun, No fire
13:46:32		2118	MGL0906_31N Line: Exceed Maximum bad shot count
13:46:32		2118	MGL0906_31N Shot, No Fire Error
13:46:32		2118	String 03 S3G01 gun, No fire
13:48:30		2120	MGL0906_31N Line: Exceed Maximum bad shot count
13:48:30		2120	MGL0906_31N Shot, No Fire Error
13:48:30		2120	String 03 S3G01 gun, No fire
13:50:27		2122	MGL0906_31N Line: Exceed Maximum bad shot count
13:50:27		2122	MGL0906_31N Shot, No Fire Error
13:50:27		2122	String 03 S3G01 gun, No fire
13:51:28		2123	MGL0906_31N Line: Exceed Maximum bad shot count
13:51:28		2123	MGL0906_31N Shot, No Fire Error
13:51:28		2123	String 03 S3G01 gun, No fire
13:53:29		2125	MGL0906_31N Line: Exceed Maximum bad shot count
13:53:29		2125	MGL0906_31N Shot, No Fire Error
13:53:29		2125	String 03 S3G01 gun, No fire
13:57:27		2129	MGL0906_31N Line: Exceed Maximum bad shot count
13:57:27		2129	MGL0906_31N Shot, No Fire Error
13:57:27		2129	String 03 S3G01 gun, No fire
13:58:28		2130	MGL0906_31N Line: Exceed Maximum bad shot count
13:58:28		2130	MGL0906_31N Shot, No Fire Error
13:58:28		2130	String 03 S3G01 gun, No fire
14:01:27		2133	MGL0906_31N Line: Exceed Maximum bad shot count
14:01:27		2133	MGL0906_31N Shot, No Fire Error
14:01:27		2133	String 03 S3G01 gun, No fire
14:04:21		2136	MGL0906_31N Line: Exceed Maximum bad shot count
14:04:21		2136	MGL0906_31N shot, Delta timing error
14:04:21		2136	String 03 S3G02 gun, Delta timing at -2.6 ms
14:05:20		2137	MGL0906_31N Line: Exceed Maximum bad shot count
14:05:20		2137	MGL0906_31N shot, No fire error
14:05:20		2137	String 03 S3G01 gun, no fire
14:05:20		2137	String 03 S3G02 gun, no fire
14:08:21		2140	MGL0906_31N Line: Exceed Maximum bad shot count
14:08:21		2140	MGL0906_31N shot, No fire error
14:08:21		2140	String 03 S3G01 gun, no fire
14:11:25		2143	MGL0906_31N Line: Exceed Maximum bad shot count
14:11:25		2143	MGL0906_31N shot, No fire error
14:11:25		2143	String 03 S3G02 gun, no fire
14:30:18		2162	MGL0906_31N Line: Exceed Maximum bad shot count
14:30:18		2162	MGL0906_31N shot, No fire error
14:30:18		2162	String 02 S2G02 gun, no fire
14:32:20		2164	MGL0906_31N Line: Exceed Maximum bad shot count
14:32:20		2164	MGL0906_31N shot, No fire error
14:32:20		2164	String 03 S3G01 gun, no fire
14:34:23		2166	MGL0906_31N Line: Exceed Maximum bad shot count
14:34:23		2166	MGL0906_31N shot, No fire error
14:34:23		2166	String 03 S3G01 gun, no fire
14:38:19		2170	MGL0906_31N Line: Exceed Maximum bad shot count

14:38:19		2170		MGL0906_31N shot, No fire error
14:38:19		2170		String 03 S3G01 gun, no fire
14:46:08		2178		MGL0906_31N Line: Exceed Maximum bad shot count
14:46:08		2178		MGL0906_31N shot, No fire error
14:46:08		2178		String 03 S3G01 gun, no fire
14:47:08		2179		MGL0906_31N Line: Exceed Maximum bad shot count
14:47:08		2179		MGL0906_31N shot, No fire error
14:47:08		2179		String 03 S3G01 gun, no fire
14:49:07		2181		MGL0906_31N Line: Exceed Maximum bad shot count
14:49:07		2181		MGL0906_31N shot, No fire error
14:49:07		2181		String 03 S3G01 gun, no fire
14:50:05		2182		MGL0906_31N Line: Exceed Maximum bad shot count
14:50:05		2182		MGL0906_31N shot, No fire error

14:50:05		2182		String 03 S3G01 gun, no fire
14:52:05		2184		MGL0906_31N Line: Exceed Maximum bad shot count
14:52:05		2184		MGL0906_31N shot, No fire error
14:52:05		2184		String 03 S3G01 gun, no fire
14:53:03		2185		MGL0906_31N Line: Exceed Maximum bad shot count
14:53:03		2185		MGL0906_31N shot, No fire error
14:53:03		2185		String 03 S3G01 gun, no fire
14:54:01		2186		MGL0906_31N Line: Exceed Maximum bad shot count
14:54:01		2186		MGL0906_31N shot, No fire error
14:54:01		2186		String 03 S3G01 gun, no fire
14:57:56		2190		MGL0906_31N Line: Exceed Maximum bad shot count
14:57:56		2190		MGL0906_31N shot, No fire error
14:57:56		2190		String 03 S3G01 gun, no fire
15:00:51		2193		MGL0906_31N Line: Exceed Maximum bad shot count
15:00:51		2193		MGL0906_31N shot, No fire error
15:00:51		2193		String 03 S3G01 gun, no fire
15:01:50		2194		MGL0906_31N Line: Exceed Maximum bad shot count
15:01:50		2194		MGL0906_31N shot, No fire error
15:01:50		2194		String 03 S3G01 gun, no fire
15:01:50		2194		String 03 S3G02 gun, no fire
15:03:49		2196		MGL0906_31N Line: Exceed Maximum bad shot count
15:03:49		2196		MGL0906_31N shot, No fire error
15:03:49		2196		String 03 S3G01 gun, no fire
15:04:48		2197		MGL0906_31N Line: Exceed Maximum bad shot count
15:04:48		2197		MGL0906_31N shot, No fire error
15:04:48		2197		String 03 S3G01 gun, no fire
15:09:34		2202		MGL0906_31N Line: Exceed Maximum bad shot count
15:09:34		2202		MGL0906_31N shot, No fire error
15:09:34		2202		String 03 S3G01 gun, no fire
15:15:20		2208		MGL0906_31N Line: Exceed Maximum bad shot count
15:15:20		2208		MGL0906_31N shot, No fire error
15:15:20		2208		String 03 S3G01 gun, no fire
15:16:17		2209		MGL0906_31N Line: Exceed Maximum bad shot count
15:16:17		2209		MGL0906_31N shot, No fire error
15:16:17		2209		String 03 S3G01 gun, no fire
15:19:09		2212		MGL0906_31N Line: Exceed Maximum bad shot count
15:19:09		2212		MGL0906_31N shot, No fire error
15:19:09		2212		String 03 S3G01 gun, no fire
15:20:06		2213		MGL0906_31N Line: Exceed Maximum bad shot count
15:20:06		2213		MGL0906_31N shot, No fire error
15:20:06		2213		String 03 S3G01 gun, no fire
15:22:01		2215		MGL0906_31N Line: Exceed Maximum bad shot count
15:22:01		2215		MGL0906_31N shot, No fire error
15:22:01		2215		String 03 S3G01 gun, no fire
15:22:59		2216		MGL0906_31N Line: Exceed Maximum bad shot count
15:22:59		2216		MGL0906_31N shot, No fire error
15:22:59		2216		String 03 S3G01 gun, no fire
15:23:09		2217		MGL0906_31N Line: Exceed Maximum bad shot count

15:23:09		2217		MGL0906_31N shot, No fire error
15:23:09		2217		String 03 S3G01 gun, no fire
15:26:56		2220		MGL0906_31N Line: Exceed Maximum bad shot count
15:26:56		2220		MGL0906_31N shot, No fire error
15:26:56		2220		String 03 S3G01 gun, no fire
15:33:52		2227		MGL0906_31N Line: Exceed Maximum bad shot count
15:33:52		2227		MGL0906_31N shot, No fire error
15:33:52		2227		String 03 S3G01 gun, no fire
15:40:40		2234		MGL0906_31N Line: Exceed Maximum bad shot count
15:40:40		2234		MGL0906_31N shot, Delta timing error
15:40:40		2234		String 03 S3G02 gun, Delta timing at -2.1 ms
15:43:34		2237		MGL0906_31N Line: Exceed Maximum bad shot count
15:43:34		2237		MGL0906_31N shot, Delta timing error

15:43:34		2237	String 03 S3G02 gun, Delta timing at 2.8 ms
15:44:34		2238	MGL0906_31N Line: Exceed Maximum bad shot count
15:44:34		2238	MGL0906_31N shot, No fire error
15:44:34		2238	String 03 S3G01 gun, no fire
15:47:31		2241	MGL0906_31N Line: Exceed Maximum bad shot count
15:47:31		2241	MGL0906_31N shot, Delta timing error
15:47:31		2241	String 03 S3G02 gun, Delta timing at 2.2 ms
15:51:32		2245	MGL0906_31N Line: Exceed Maximum bad shot count
15:51:32		2245	MGL0906_31N shot, No fire error
15:51:32		2245	String 03 S3G01 gun, no fire
15:53:32		2247	MGL0906_31N Line: Exceed Maximum bad shot count
15:53:32		2247	MGL0906_31N shot, No fire error
15:53:32		2247	String 03 S3G01 gun, no fire
15:54:33		2248	MGL0906_31N Line: Exceed Maximum bad shot count
15:54:33		2248	MGL0906_31N shot, No fire error
15:54:33		2248	String 03 S3G01 gun, no fire
16:01:58		2255	String 03 S3G01 gun, no fire
16:03:04		2256	String 03 S3G01 gun, no fire
16:07:32		2260	String 03 S3G01 gun, no fire
16:08:38		2261	String 03 S3G01 gun, no fire
16:11:45		2262	String 03 S3G01 gun, no fire
16:13		2266	String 03 S3G01 gun, no fire
16:16		2269	String 03 S3G01 gun, no fire
16:17		2270	String 03 S3G01 gun, no fire
16:19		2272	String 03 S3G01 and S3G02 guns, no fire
16:20		2273	String 03 S3G01 gun, no fire
16:21		2274	String 03 S3G01 gun, no fire
16:23		2276	String 03 S3G01 gun, no fire
16:24		2277	String 03 S3G01 gun, no fire
16:25		2278	String 03 S3G01 gun, no fire
16:26		2279	String 03 S3G01 gun, no fire
16:27		2280	String 03 S3G01 gun, no fire
16:28		2281	String 03 S3G01 gun, no fire
16:29		2282	String 03 S3G01 gun, no fire
16:31		2284	String 03 S3G01 gun, no fire, DISABLED, S3G05 ENABLED, NEW VOL 4910
16:33		2286	String 03 S3G02 timing error
20:23		2522	EOL

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080001		FGSP	2264
SP #	2264	4121	LGSP	4121

Line	MGL0908_05
Sequence	002
Direction	270

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			150	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	06/24/09	06/26/09
Time UTC	10:25	19:01
Volume (cu in.)	6560	6200
Streamer Depth (m)	NA	
Wind (kts)	NW6kts	SE 5 KTS
Sea State (ft)	1-3ft	5-8 FT
Water Depth (m)	824	2862

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL MGL0908_05 POS LAT020 34.086N LONG121 40.982E
EOL MGL0908_05 POS LAT 20 33.99N 119 00.69E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
10:26		2264		SOL MGL0908_05 SEQ 00:
11:00		2293		String 04, S4G01 No Fire
11:36		2327		String 04, S4G01 No Fire
12:06:05		2357		String 04, S4G01 No Fire
12:19:25		2371		String 03, S3G01 No Fire
12:26:10		2378		String 03, S3G01 No Fire
12:35:05		2387		String 03, S3G01 No Fire
12:44:51		2397		String 03, S3G01 No Fire
12:44:51		2397		String 04, S4G01 No Fire
13:15:05		2427		String 04, S4G01 No Fire
13:17:03		2429		String 04, S4G01 No Fire
13:22:59		2435		String 04, S4G01 No Fire
13:47:39		2460		String 04, S4G01 No Fire
14:10:20		2483		String 04, S4G01 No Fire
14:21:56		2495		String 04, S4G01 No Fire
14:27:57		2501		String 04, S4G01 No Fire
14:30:02		2503		String 04, S4G01 No Fire
14:30:59		2504		String 04, S4G01 No Fire
14:46:53		2520		String 03, S3G02 Delta timing at 2.2 ms
14:48:51		2522		String 04, S4G01 No Fire
15:19:46		2554		at 5.9 ms
15:30:23		2565		String 04, S4G01 No Fire
15:34:17		2569		String 04, S4G01 No Fire
15:42:54		2578		String 04, S4G01 No Fire
15:54:51		2590		String 04, S4G01 No Fire
15:56:43		2592		String 04, S4G01 No Fire
16:17:31		2614		String 04, S4G01 No Fire
16:22:33		2619		String 04, S4G01 No Fire
16:28:04		2625		String 04, S4G01 No Fire
16:33:59		2631		String 04, S4G01 No Fire
16:57:46		2655		String 03, S3G02 Delta Timing at -2.7 m
16:58:45		2656		String 04, S4G01 No Fire
17:07:26		2665		String 03, S3G02 Delta Timing at -2.3 m
17:22:13		2680		String 04, S4G01 No Fire
17:46:49		2705		String 04, S4G01 No Fire
17:57:25		2716		String 04, S4G01 No Fire
18:03		2722		String 04, S4G01 No Fire
18:10		2730		String 04, S4G01 No Fire
18:29		2749		String 03, S3G01 No Fire
18:30		2750		String 03, S3G01 No Fire
18:31		2751		String 03, S3G02 No Fire
18:54		2775		String 03, S3G01 No Fire
18:56		2777		String 03, S3G01, S3G02 No Fire
18:57		2778		String 03, S3G01 No Fire
18:58		2779		String 03, S3G01 No Fire
18:59		2780		String 03, S3G01 No Fire
19:00		2781		String 03, S3G01 No Fire
19:01		2782		String 03, S3G01 No Fire
19:02		2783		String 03, S3G02 No Fire
19:03		2784		String 03, S3G01 Turned off. S3G05 and S4G05 enabled, new vol 6560
19:06		2787		String 04, S4G01 No Fire
19:44		2826		String 04, S4G01 No Fire
19:59		2841		String 03, S3G05 No Fire
20:04		2846		String 04, S4G01 No Fire
20:13		2855		String 04, S4G01 No Fire
20:23		2866		String 04, S4G01 No Fire
20:31		2874		String 03, S3G05 No Fire
20:33		2876		String 04, S4G01 No Fire

20:52		2895	String 04, S4G01 No Fir
21:06		2910	String 04, S4G01 No Fir
21:12		2917	String 04, S4G01 No Fir
21:31		2937	String 03, S3G05 No Fire
21:48		2955	String 04, S4G01 No Fir
21:53		2960	String 04, S4G01 No Fir
21:53		2960	String 01, S1G05 No Fir
21:54		2961	String 01, S1G05 No Fir
21:55		2962	String 01, S1G05 No Fir
21:56		2963	String 04, S4G01 No Fir
21:56		2963	String 01, S1G05 No Fire, Disabled; S2G05 Enabled; New Volume 65f
22:04		2971	String 04, S4G01 No Fir
22:12		2979	String 04, S4G01 No Fir
22:28		2995	String 03, S3G05 No Fir
22:36		3005	String 04, S4G01 No Fir
23:13		3042	String 03, S3G05 No Fir
23:52		3082	String 01, S1G08 Delta Timing at 4.9 m
23:53		3083	String 01, S1G08 Delta Timing at -3.3 m
02:12		3092	String 02, S2G02, Comm erro
03:10		3093	String 02, S2G02, Comm erro
04:08		3094	String 02, S2G02, Comm erro
05:05		3095	String 02, S2G02, Comm erro
06:04		3096	String 04, S4G01, Gun, No fire; S2G02 disabled; new volume 62f
36:19		3127	String 04, S4G01 No Fir
42:11		3133	String 04, S4G01 No Fir
1:05:31		3156	String 03, S3G05 No Fir
1:38:49		3190	String 03, S3G05 No Fir
2:01:26		3213	String 04, S4G01 No Fir
2:02:26		3214	String 03, S3G05 No Fir
2:11:13		3223	String 04, S4G01 No Fir
2:34:28		3247	String 04, S4G01 No Fir
2:47:15		3260	String 04, S4G01 No Fir
3:04:11		3277	String 04, S4G01 Comm erro
3:28:44		3302	String 04, S4G01 No Fir
3:41:19		3315	String 04, S4G01 No Fir
3:52:16		3326	String 04, S4G01 No Fir
03:58		3332	String 03, S3G05 No Fir
04:04		3339	String 04, S4G01 No Fir
04:06		3341	String 03, S3G05 No Fir
04:08		3343	String 04, S4G01 No Fir
04:16		3351	String 03, S3G05 No Fir
04:43		3378	String 03, S3G05 No Fir
05:13		3408	String 03, S3G05 No Fir
05:17		3412	String 04, S4G01 No Fir
05:37		3433	String 04, S4G01 Delta timing erro
06:11		3467	String 04, S4G01 No Fir
06:18		3474	String 04, S4G01 No Fir
06:21		3477	String 03, S3G05 No Fir
06:45		3501	String 04, S4G01 No Fir
06:54		3511	String 03, S3G05 No Fir
07:07		3524	String 03, S3G05 No Fir
07:14		3530	String 04, S4G01 No Fir
07:29		3544	String 04, S4G01 No Fir
08:11		3580	String 03, S3G05 No Fir
08:21		3589	String 04, S4G01 No Fir
08:53		3618	String 03, S3G05 No Fir
08:54		3619	String 04, S4G01 No Fir
09:35		3656	String 03, S3G05 No Fir
10:09		3685	String 04, S4G01 No Fir
10:31		3703	String 03, S3G05 No Fir
10:34		3705	String 03, S3G05 No Fir
10:38		3709	String 04, S4G01 No Fir

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080001	080008	FGSP	2717
SP #	2364	3393	LGSP	3393

Line	MGL0908_TST
Sequence	003
Direction	63

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			150	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	06/28/09	06/28/09
Time UTC	10:38	16:07
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	NE 4 kts	NW9KT
Sea State (ft)	1-3	1-3
Water Depth (m)	1911	412

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS LAT 21 47 15.508 N LON 120 06 04.602 E
EOL POS LAT 21 59 49.929 N LON 120 34 44.360 E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
17:40	1	957	080010	SOL
17:42:57	4	962		S3G01, NO FIRE
17:49:02	22	978		S3G01, NO FIRE
17:55:59	43	999		S3G01, NO FIRE
17:57:23	47	1003		S3G01, NO FIRE
17:58:48	51	1007		S3G01, NO FIRE
18:03:59	66	1022		S3G01, NO FIRE
18:08:58	81	1037		S3G01, NO FIRE
18:10:53	87	1043		S3G02, NO FIRE
18:15:48	102	1058		S3G01, NO FIRE
18:20:02	114	1070		S3G01, NO FIRE
18:21:49	119	1075		S3G01, NO FIRE
18:23:53	125	1081		S3G01, NO FIRE
18:24:12	126	1082		S3G01, NO FIRE
18:26:06	132	1088		S3G01, NO FIRE
18:27:50	137	1093		S3G01, NO FIRE
18:32:17	150	1106		S3G01, NO FIRE
18:33:13	153	1109		S3G01, NO FIRE
18:37:02	164	1120		S3G02, NO FIRE
18:37:46	166	1122		S3G01, NO FIRE
18:43:01	181	1137		S3G01, NO FIRE
18:44:07	184	1140		S3G01, NO FIRE
18:45:51	189	1145		S3G01, NO FIRE
18:54:09	212	1168		S3G01, NO FIRE
18:57:00	220	1176		S3G01, NO FIRE
18:59:35	227	1183		S3G01, NO FIRE
19:03:11	237	1193		S3G01, NO FIRE
19:03:32	238	1194		S1G01 TIMING ERROR
19:03:54	239	1195		S1G01 TIMING ERROR
19:04:37	241	1197		S3G01, NO FIRE
19:17:13	275	1231		S3G01, NO FIRE, S1G01 TIMING ERROR
19:17:35	276	1232		S3G01, NO FIRE, S1G01 TIMING ERROR
19:20:06	283	1239		S3G01, NO FIRE
19:22:39	290	1246		S1G01 TIMING ERROR
19:25:08	297	1253		S3G01, NO FIRE
19:30:03	311	1267		S3G01, NO FIRE
19:32:47	319	1275		S3G01, NO FIRE
19:35:59	328	1284		S3G01, NO FIRE
19:36:42	330	1286		S1G01 TIMING ERROR
19:38:55	336	1292		S3G01, NO FIRE
19:39:17	337	1293		S3G01, NO FIRE
19:40:23	340	1296		S3G01, NO FIRE
19:41:08	342	1298		S3G01, NO FIRE
19:42:14	345	1301		S3G01, NO FIRE, S1G01 TIMING ERROR
19:43:44	349	1305		S3G01, NO FIRE
19:45:35	354	1310		S3G01, NO FIRE
19:50:15	367	1323		S3G01, NO FIRE
19:51:20	370	1326		S3G01, NO FIRE
19:52:26	373	1329		S1G01 TIMING ERROR
19:55:45	382	1338		S1G01 TIMING ERROR
19:57:31	387	1343		S1G01 TIMING ERROR
19:58:51	391	1347		S1G01 TIMING ERROR
19:59:12	392	1348		S3G01, NO FIRE
20:00:12	395	1351		S3G01, NO FIRE
20:00:54	397	1353		S3G01, NO FIRE
20:01:14	398	1354		S1G01 TIMING ERROR
20:03:15	404	1360		S3G01, NO FIRE
20:03:56	406	1362		S3G01, NO FIRE
20:05:40	412	1367		S1G01 AUTO FIRE ERROR
20:06:02	415	1368		S3G01, NO FIRE

20:10:01	423	1379	S3G01, NO FIRE
20:10:04	425	1381	S3G01, NO FIRE
20:12:10	430	1385	S3G01, NO FIRE
20:14:19	435	1391	S3G02, NO FIRE
20:16:08	440	1396	S3G01, NO FIRE
20:16:51	442	1398	S3G01, NO FIRE
20:20:46	453	1409	S3G01, NO FIRE
20:21:07	454	1410	S3G01, NO FIRE
20:21:28	455	1411	S3G01, NO FIRE
20:22:32	458	1414	S3G01, NO FIRE
20:25:20	466	1422	S1G01 AUTO FIRE at 934.2 ms
20:25:20	466	1422	S3G01, NO FIRE
20:26:43	470	1426	S3G01, NO FIRE
20:27:44	473	1429	S1G01, AUTO FIRE
20:31:37	484	1440	S3G01, NO FIRE
20:32:39	487	1443	S3G02, NO FIRE
20:36:53	499	1455	S3G01, NO FIRE
20:39:03	505	1461	S3G01, NO FIRE
20:40:06	508	1464	S1G01, AUTO FIRE; S3G01, NO FIRE
20:41:50	513	1469	S3G01, NO FIRE
20:42:32	515	1471	S3G01, NO FIRE
20:43:15	517	1473	S3G01, NO FIRE
20:43:57	519	1475	S3G01, NO FIRE
20:46:23	526	1482	S3G01, NO FIRE
20:47:04	528	1484	S3G01, NO FIRE
20:52:43	544	1500	S3G01, NO FIRE
20:53:04	545	1501	S1G01, AUTO FIRE; S3G01, NO FIRE
20:53:25	546	1502	S3G01, NO FIRE
20:55:10	551	1507	S3G01, NO FIRE
20:55:31	552	1508	S1G01 AUTO FIRE
20:56:36	555	1511	S3G01, NO FIRE
20:58:02	559	1515	S3G01, NO FIRE
20:58:23	560	1516	S3G01, NO FIRE
21:00:54	567	1523	S3G01, NO FIRE
21:02:21	571	1527	S3G01, NO FIRE
21:03:23	574	1530	S3G02, NO FIRE
21:08:01	588	1544	S3G01, NO FIRE
21:08:43	590	1546	S3G01, NO FIRE
21:10:08	594	1550	S3G01, NO FIRE
21:11:12	597	1553	S3G01, NO FIRE
21:12:54	602	1558	S3G01, NO FIRE
21:13:13	603	1559	S1G01 AUTO FIRE
21:13:53	605	1561	S3G01, NO FIRE
21:16:14	612	1568	S3G02, NO FIRE
21:17:36	616	1572	S3G01, NO FIRE
21:17:56	617	1573	S3G01, NO FIRE
21:19:35	622	1578	S3G01, NO FIRE
21:22:16	630	1586	S3G01, NO FIRE
21:24:14	636	1592	S3G01, NO FIRE
21:25:12	639	1595	S3G02, NO FIRE; S3G01, NO FIRE
21:25:32	640	1596	S3G01, NO FIRE
21:27:39	646	1602	S3G01, NO FIRE
21:33:34	663	1619	S1G01 AUTO FIRE
21:36:34	672	1628	S3G01, NO FIRE
21:38:12	677	1633	S3G01, NO FIRE
21:39:51	682	1638	S3G01, NO FIRE
21:41:28	687	1643	S1G01 AUTO FIRE
21:41:48	688	1644	S3G01, NO FIRE
21:43:07	692	1648	S1G01 AUTO FIRE
21:43:27	693	1649	S3G01, NO FIRE
21:45:10	698	1654	S3G01, NO FIRE
21:48:11	707	1663	S3G01, NO FIRE

21:48:31	708	1664	S1G01 AUTO FIRE
21:49:51	712	1668	S3G01, NO FIRE
21:50:49	715	1671	S3G01, NO FIRE
21:52:09	719	1675	S1G01 AUTO FIRE
21:53:28	723	1679	S3G01, NO FIRE
21:56:07	731	1687	S3G01, NO FIRE
21:56:48	733	1689	S3G01, NO FIRE
21:57:08	734	1690	S3G01, NO FIRE
22:00:05	743	1699	S3G01, NO FIRE
22:02:43	751	1707	S3G01, NO FIRE
22:04:01	755	1711	S3G01, NO FIRE
22:06:00	761	1717	S3G01, NO FIRE
22:10:54	776	1732	S3G01, NO FIRE
22:11:14	777	1733	S3G01, NO FIRE
22:11:34	778	1734	S3G01, NO FIRE
22:17:07	795	1751	S3G01, NO FIRE
22:17:26	796	1752	S3G01, NO FIRE
22:17:44	797	1753	S1G01 AUTO FIRE
22:21:29	809	1765	S3G01, NO FIRE
22:22:07	811	1767	S3G01, NO FIRE
22:22:45	813	1769	S3G01, NO FIRE
22:29:19	834	1790	S3G01, NO FIRE
22:29:37	835	1791	S3G01, NO FIRE
22:33:00	846	1802	S3G01, NO FIRE
22:33:55	849	1805	S3G01, NO FIRE
22:34:13	850	1806	S3G01, NO FIRE
22:35:08	853	1809	S3G01, NO FIRE
22:35:27	854	1810	S3G01, NO FIRE
22:36:21	857	1813	S3G01, NO FIRE
22:37:52	862	1818	S3G01, NO FIRE
22:40:18	870	1826	S3G01, NO FIRE
22:42:08	876	1832	S3G01, NO FIRE
22:43:58	882	1838	S3G01, NO FIRE
22:44:53	885	1841	S3G01, NO FIRE
22:45:30	887	1843	S3G01, NO FIRE
22:47:20	893	1849	S1G01 AUTO FIRE
22:48:16	896	1852	S3G01, NO FIRE
22:52:32	910	1866	S3G01, NO FIRE
22:52:50	911	1867	S3G01, NO FIRE
22:55:49	921	1877	S3G02 TIMING ERROR
22:58:27	930	1886	S3G01, NO FIRE
23:07:54	962	1918	S3G01, NO FIRE
23:09:24	967	1923	S3G01, NO FIRE
23:09:43	968	1924	S3G01, NO FIRE
23:10:38	971	1927	S1G01 AUTO FIRE; S3G01, NO FIRE
23:10:56	972	1928	S3G01, NO FIRE
23:11:14	973	1929	S3G01, NO FIRE
23:13:22	980	1936	S3G01, NO FIRE
22:18:12	996	1952	S3G01, NO FIRE
23:19:44	1001	1957	S3G01, NO FIRE
23:20:03	1002	1958	S3G01, NO FIRE
23:22:27	1010	1966	S3G01, NO FIRE
23:23:58	1015	1971	S3G01, NO FIRE
23:24:16	1016	1972	S3G01, NO FIRE
23:26:25	1023	1979	S3G02, NO FIRE
23:26:43	1024	1980	S3G01, NO FIRE
23:29:10	1032	1988	S1G01 AUTO FIRE; S3G01, NO FIRE
23:30:03	1035	1991	S3G01, NO FIRE
23:31:34	1040	1996	S3G01, NO FIRE
23:32:10	1042	1998	S3G01, NO FIRE
23:32:28	1043	1999	S3G01, NO FIRE
23:33:40	1047	2003	S3G01, NO FIRE

23:34:17	1049	2005		S3G01, NO FIRE
23:36:07	1055	2011		S3G01, NO FIRE
23:39:24	1066	2022		S1G01 AUTO FIRE; S3G01, NO FIRE
23:42:23	1076	2032		S3G01, NO FIRE
23:42:41	1077	2033		S1G01 AUTO FIRE
23:45:02	1085	2041		S3G01, NO FIRE
23:45:37	1087	2043		S3G01, NO FIRE
23:46:31	1090	2046		S3G01, NO FIRE
23:47:42	1094	2050		S3G01, NO FIRE
23:48:52	1098	2054		S3G01, NO FIRE
23:49:44	1101	2057		S3G01, NO FIRE
23:55:14	1120	2076		S3G01, NO FIRE
00:02:23	1145	2101		S3G01, NO FIRE
00:02:56	1147	2103		S3G01, NO FIRE
00:03:12	1148	2104		S3G01, NO FIRE
00:03:47	1150	2106		S3G01, NO FIRE
00:06:21	1159	2115		S3G01, NO FIRE
00:08:39	1167	2123		S3G01, NO FIRE
00:13:19	1183	2139		S3G01, NO FIRE
00:16:49	1195	2151		S1G01, Auto fire @ 6257.5 ms
00:17:42	1198	2154		S3G01, No Fire
00:18:00	1199	2155		S3G01 and S3G02, No Fire
00:19:10	1203	2159		S1G01, Auto fire @ 6319.8 ms
00:21:12	1210	2166		S3G01, No fire
00:22:21	1214	2170		S1G01, auto fire @ 6553.5 ms
00:24:04	1220	2176		S3G01, no fire
00:26:21	1228	2184		S3G01, no fire
00:29:14	1238	2194		S3G01, no fire
00:29:49	1240	2196		S3G01, no fire
00:30:06	1241	2197		S3G01, no fire
00:31:14	1245	2201		S1G01, Auto fire @ 6537.3 ms
00:32:06	1248	2204		S1G01, Auto fire @ 5992.3 ms; S3G01, No Fire
00:34:06	1255	2211		S3G01, no fire
00:37:33	1267	2223		S3G01, no fire
00:39:51	1275	2231		S3G01, no fire
00:47:36	1302	2258		S1G01, Auto fire @ 6553.5 ms
00:48:27	1305	2261		S1G01, Auto fire @ 6553.5 ms
00:49:01	1307	2263		S3G01, no fire
00:56:30	1333	2289		S3G01, no fire
00:59:20	1343	2299		S3G01, no fire
1:15:36	1399	2356		S3G01, no fire
1:16:22	1403	2359	080012	Reel Change
1:20:22	1416	2372	080012	S3G01, no fire
1:22:26	1423	2379	080012	S1G01, Auto fire @ 6553.5 ms
1:24:27	1430	2386	080012	S3G01, no fire
1:25:34	1434	2390	080012	S1G01, Auto fire @ 6280.9 ms
1:37:44	1476	2432	080012	S3G01, no fire
1:38:35	1479	2435	080012	S3G01, no fire
1:41:31	1488	2445	080012	S3G01, no fire
1:51:03	1522	2478	080012	S3G01, no fire
1:52:31	1527	2483	080012	S1G01, Auto fire @ 6553.5 ms; S3G01, no fire
1:54:49	1535	2491	080012	S3G01, no fire
1:56:46	1542	2498	080012	S1G01, Auto fire @ 6553.5 ms
1:57:20	1544	2500	080012	S3G01, no fire
1:59:00	1550	2506	080012	S1G01, Auto fire @ 6553.5 ms
1:59:17	1551	2507	080012	S3G01, no fire
2:01:32	1559	2515	080012	S3G01, no fire
2:05:11	1572	2528	080012	S3G01, no fire
2:10:22	1590	2546	080012	S3G01, no fire
2:12:20	1597	2553	080012	S3G01, no fire
2:15:45	1609	2565	080012	S1G01, Auto fire @ 6553.5 ms
2:17:29	1615	2571	080012	S3G01, no fire

2:22:17	1632	2588	080012	S3G01, no fire
2:23:08	1635	2591	080012	S3G01, no fire
2:24:48	1641	2597	080012	S1G01, Auto fire @ 973.4 ms
2:25:56	1645	2601	080012	S3G01, no fire
2:26:29	1647	2603	080012	S3G01, no fire
2:27:35	1651	2607	080012	S3G01, no fire
2:31:15	1664	2620	080012	S3G02, no fire
2:34:35	1676	2632	080012	S1G01, Auto fire @ 955.9 ms; S3G02, No fire
2:34:52	1677	2633	080012	S3G01, no fire
2:37:39	1686	2642	080012	S3G02, no fire
2:40:00	1695	2651	080012	S3G01, no fire
2:40:17	1696	2652	080012	S3G01, no fire
2:41:39	1701	2657	080012	S3G01, no fire
2:46:24	1718	2674	080012	S3G01, no fire
2:46:58	1720	2676	080012	S3G01, no fire
2:47:32	1722	2678	080012	S3G01, no fire
2:48:23	1725	2681	080012	S3G01, no fire
2:49:48	1730	2686	080012	S3G01, no fire
2:50:57	1734	2690	080012	S3G01, Auto fire @ 832.1 ms, S3G02 delta timing at -2.3 ms
2:53:44	1744	2700	080012	S1G01, Auto fire @ 826.6 ms
2:54:17	1746	2702	080012	S1G01, Auto fire @ 917.1 ms
2:55:07	1749	2705	080012	S3G01, no fire
2:57:01	1756	2712	080012	S3G02, no fire
2:57:53	1759	2715	080012	S3G01, no fire
3:00:23	1768	2724	080012	S3G01 and S3G02, no fire
3:01:14	1771	2727	080012	S3G02 and S3G03, no fire
3:02:04	1774	2730	080012	S3G01, no fire
3:02:54	1777	2733	080012	S3G01, no fire
3:03:45	1780	2736	080012	S3G02, no fire
03:07:02	1793	2749	080012	S3G02, no fire
03:09:54	1802	2758	080012	S3G01, no fire
03:10:56	1806	2762	080012	S3G01, no fire
03:13:19	1814	2770	080012	S3G01, no fire
03:15:17	1821	2777	080012	S3G02, no fire
03:15:50	1823	2779	080012	S3G01, no fire
03:16:07	1824	2780	080012	S1G01, Auto fire @ 6553.5 ms
03:18:20	1832	2788	080012	S3G02, no fire
03:20:36	1840	2796	080012	S3G01 no fire
03:22:51	1848	2804	080012	S3G01 no fire
03:23:57	1852	2808	080012	S3G01 no fire
03:25:13	1857	2813	080012	S3G01 no fire
03:27:10	1862	2820	080012	S3G01 no fire
03:31:15	1876	2834	080012	S1G01 autofire @ 969.6 ms
03:39:52	1909	2865	080012	S1G01 autofire @6553.5 ms
03:44:22	1925	2881	080012	S3G01 no fire
3:48:05	1938	2894	080012	S1G01, S3G02 no fire
03:48:22	1939	2895	080012	S3G01 No fire
03:49:59	1945	2901	080012	S3G02 No fire
03:50:16	1946	2902	080012	S3G02 no fire
03:50:31	1947	2903	080012	S1G01 auto fire @ 6553.5 ms
03:52:29	1954	2910	080012	S3G01 no fire
3:53:36	1958	2914	080012	S3G01 no fire
3:54:08	1960	2916	080012	S3G01 no fire
03:56:56	1970	2926	080012	S3G01 no fire
3:57:23	1972	2928	080012	S3G01 no fire
03:58:18	1975	2931	080012	S1G01 autofire a@ 6275.4
3:59:24	1979	2935	080012	S3G01 no fire
04:02	1990	2946	080012	S3G01 no fire
04:03	1991	2948	080012	S1G01 autofire a@ 6553.5 ms
4:05:00	2001	2957	080012	S1G01 autofire a@ 6553.5 ms
4:09:00	2012	2968	080012	S1G01 autofire a@ 847.2 ms
4:11:29	2020	2976	080012	S1G01 autofire a@ 6553.5 ms

Time UTC	FILE	SP	Tape	Description
07:36	1	1220	080014	SOL
07:37	5	1225	080014	Miss Fire S3G01
07:38	8	1228	080014	Miss Fire S3G02
07:39	10	1230	080014	Miss Fire S3G01
07:40	12	1232	080014	Miss Fire S3G02
07:41	14	1234	080014	Miss Fire S3G01
07:41	15	1235	080014	Miss Fire S3G01
07:41	16	1236	080014	Miss Fire S3G01
07:42	18	1238	080014	Miss Fire S3G01
07:42	19	1239	080014	Miss Fire S4G01
07:43	24	1244	080014	Miss Fire S3G02
07:44	26	1246	080014	Miss Fire S4G01
07:44	27	1247	080014	Miss Fire S4G01
07:46	32	1252	080014	Miss Fire S3G01
07:46	33	1253	080014	Miss Fire S3G01
07:47	34	1254	080014	Miss Fire S3G01
07:47	35	1255	080014	S3G01 Disabled - S3G05 & S4G05 Enabled. New Volume 6600in3
07:48	36	1256	080014	Miss Fire S3G05 & S4G05
07:48	37	1257	080014	Miss Fire S3G05 & S4G05
07:54	58	1278	080014	No Fire S4G01
08:06	93	1313	080014	No Fire S4G01
08:14	120	1340	080014	No Fire S4G02
08:18	132	1352	080014	No Fire S4G02
08:21	142	1362	080014	No Fire S4G01
08:28	164	1384	080014	No Fire S4G01
08:30	171	1391	80014	No Fire S4G01
08:33	180	1400	080014	No Fire S4G02
08:36	187	1407	080014	No Fire S4G01
08:39	198	1418	080014	No Fire S4G01
08:45	216	1436	080014	No Fire S4G01
08:47	223	1443	080014	No Fire S4G01
08:49	228	1448	080014	No Fire S4G01
08:52	238	1458	080014	No Fire S4G02
08:53	240	1460	080014	No Fire S4G01
08:55	248	1468	080014	No Fire S4G01
08:58	257	1477	080014	No Fire S4G01
09:00	261	1481	080014	No Fire S4G01
09:01	265	1485	080014	No Fire S4G01
09:04	276	1496	080014	No Fire S4G01
09:07	285	1505	080014	No Fire S4G02
09:10	292	1512	080014	No Fire S4G02
09:27	347	1567	080014	No Fire S4G01
09:36	377	1597	080014	No Fire S4G01
09:50	424	1644	080014	No Fire S4G02
09:51	425	1645	080014	No Fire S4G01
10:02	457	1677	080014	EOL

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080015	080019	FGSP	1021
SP #	1021	4400	LGSP	4400

Line	MGL0908_03
Sequence	006
Direction	180

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	06/29/09	06/30/09
Time UTC	1003	07:11
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	W5-10	E-SE4.6kts
Sea State (ft)	1-3ft	1-3ft
Water Depth (m)	2755	3016

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL Pos 21 36.02N119 09.38E
EOL Pos 20 04.544097N 119 10.16276E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
10:03	1	1021	080015	SOL TURN NOISE ON THE STEAMER
10:13	26	1046	080015	NO FIRE S4G02
10:23	59	1079	080015	NO FIRE S4G02
10:26	70	1090	080015	NO FIRE S4G01
10:26	72	1092	080015	NO FIRE S4G01
10:30	85	1105	080015	NO FIRE S4G02
10:32	89	1109	080015	NO FIRE S4G02
10:33	95	1115	080015	NO FIRE S4G02
10:37	107	1127	080015	NO FIRE S4G02
10:37	108	1128	080015	NO FIRE S4G01
10:38	111	1131	080015	NO FIRE S4G02
10:40	118	1138	080015	NO FIRE S4G01
10:42	125	1145	080015	NO FIRE S4G01
10:43	127	1147	080015	NO FIRE S4G01
10:46	137	1157	080015	NO FIRE S4G01
10:47	141	1161	080015	NO FIRE S4G02
10:51	151	1171	080015	NO FIRE S4G02
10:53	157	1177	080015	NO FIRE S4G02
10:54	161	1181	080015	NO FIRE S4G02
10:55	164	1184	080015	NO FIRE S4G01
10:58	176	1196	080015	NO FIRE S4G01
11:00	177	1197	080015	TURN NOISE ON THE STREAMER GONE
11:10	213	1233	080015	NO FIRE S4G01& S4G02
11:11	218	1238	080015	NO FIRE S4G02
11:14	225	1245	080015	NO FIRE S4G01
11:16	232	1252	080015	NO FIRE S4G01
11:19	241	1261	080015	NO FIRE S4G02
11:28	271	1291	080015	NO FIRE S4G01
11:31	282	1302	080015	NO FIRE S4G01
11:40	312	1332	080015	NO FIRE S4G02
11:41	315	1335	080015	NO FIRE S4G01
11:44	325	1345	080015	NO FIRE S4G01
11:46	332	1352	080015	NO FIRE S4G01& S4G02
11:47	334	1354	080015	NO FIRE S4G02
11:47	335	1355	080015	NO FIRE S4G02
11:55	361	1381	080015	NO FIRE S4G01
11:57	369	1389	080015	NO FIRE S4G02
11:58	371	1391	080015	NO FIRE S4G02
11:59	374	1394	080015	NO FIRE S4G01
12:08:40	404	1424	080015	S4G01, No Fire
12:11:10	412	1432	080015	S4G02, No fire
12:12:45	417	1437	080015	S4G01, No Fire
12:16:51	430	1450	080015	S4G01, No Fire
12:18:44	436	1456	080015	S4G01, No Fire
12:21:33	445	1465	080015	S2G08, No fire
12:25:22	457	1477	080015	S2G10, No fire
12:26:01	459	1479	080015	S4G02, No fire

12:26:38	461	1481	080015	S2G10, No fire
12:27:35	464	1484	080015	S4G02, No fire
12:36:08	491	1511	080015	S4G02, No fire
12:37:45	496	1516	080015	S4G01, No fire
12:43:15	513	1533	080015	S4G01, No fire
12:44:53	518	1538	080015	S4G01, No fire
12:49:29	532	1552	080015	S4G01, No fire
12:55:26	550	1570	080015	S4G01, No fire
12:59:47	563	1583	080015	S2G04, No fire
13:05:28	580	1600	080015	S4G02, No fire
13:11:08	597	1617	080015	S4G02, No fire
13:16:28	613	1633	080015	S4G01, No fire
13:21:19	628	1648	080015	S4G01, No fire
13:21:58	630	1650	080015	S4G01 and S4G02, No fire
13:25:14	640	1660	080015	S4G01, No fire
13:27:53	648	1668	080015	S2G08 and S4G02, No fire
13:29:52	654	1674	080015	S2G08, No fire
13:37:35	678	1698	080015	S4G02, No fire
13:39:10	683	1703	080015	S4G02, No fire
13:39:48	685	1705	080015	S4G01, No fire
13:41:04	689	1709	080015	S4G02, No fire
13:44:14	699	1719	080015	S2G04, No fire
13:44:28	700	1720	080016	REEL CHANGE
13:45:47	704	1724	080016	S2G08, No fire
13:46:05	705	1725	080016	S4G02, No fire
13:47:00	708	1728	080016	S4G02, No fire
13:48:33	713	1733	080016	S4G02, No fire
13:50:43	720	1740	080016	S4G02, No fire
13:51:59	724	1744	080016	S2G08 and S2G09, No fire
13:52:38	726	1746	080016	S2G02, No fire
13:53:56	730	1750	080016	S2G10, No fire
13:55:52	736	1756	080016	S2G03, No fire
13:57:11	740	1760	080016	S4G02, No fire
13:58:10	743	1763	080016	S2G01, No fire
13:59:48	748	1768	080016	S2G02, No fire
14:00:07	749	1769	080016	S2G02 and S4G01, No fire
14:00:26	750	1770	080016	S2G10, No fire
14:00:45	751	1771	080016	S2G09 and S2G10, No fire
14:01:23	753	1773	080016	S2G10, No fire
14:02:42	757	1777	080016	S2G10, No fire
14:03:21	759	1779	080016	S2G04, No fire
14:04:40	763	1783	080016	S2G09 and S2G10, No fire
14:05:20	765	1785	080016	S2G09, No fire
14:05:58	767	1787	080016	S2G09, No fire
14:07:33	772	1792	080016	S4G01, No Fire
14:08:29	775	1795	080016	S4G02, No fire
14:10:43	782	1802	080016	S4G02, No fire
14:11:20	784	1804	080016	S2G10, No fire

14:12:17	787	1807	080016	S4G02, No fire
14:13:34	791	1811	080016	S4G02, No fire
14:14:32	794	1814	080016	S2G09, No fire
14:15:29	797	1817	080016	S2G10, No fire
14:22:27	819	1839	080016	S2G10 and S4G01, No fire
14:23:23	822	1842	080016	S2G10, No fire
14:23:43	823	1843	080016	S4G01 and S4G02, No fire
14:24:02	824	1844	080016	S2G09, No fire
14:24:20	825	1845	080016	S2G09 and S2G10, No fire
14:24:59	827	1847	080016	S2G10, No fire
14:25:18	828	1848	080016	S2G10, No fire
14:26:34	832	1852	080016	S2G10, No fire
14:27:13	834	1854	080016	S2G09 and S2G10, No fire
14:27:32	835	1855	080016	S2G10, No fire
14:27:51	836	1856	080016	S2G10, No fire
14:28:09	837	1857	080016	S2G10, No fire
14:28:48	839	1859	080016	S2G01-S2G04, S2G06-S2G10, No fire
14:29:06	840	1860	080016	S2G01 and S4G01, No fire
14:29:43	842	1862	080016	S2G10, No fire
14:30:01	843	1863	080016	S2G10, No fire
14:31:34	848	1868	080016	S2G02, No fire
14:32:52	852	1872	080016	S2G03, No fire
14:33:52	855	1875	080016	S2G01, No fire
14:38:28	869	1889	080016	S4G01, No Fire
14:40:05	874	1894	080016	S2G02 and S2G04 , No fire
14:47:04	895	1915	080016	S2G02 and S4G01, No fire
14:48:03	898	1918	080016	S2G04, No fire
14:48:23	899	1919	080016	S4G02, No fire
14:49:44	903	1923	080016	S4G01, No fire
14:51:25	908	1928	080016	S4G01, No Fire
14:54:46	918	1938	080016	S4G01, No Fire
14:55:25	920	1940	080016	S4G02, No fire
14:55:40	921	1941	080016	S2G01, No fire
14:56:05	922	1942	080016	S2G01, No fire
15:00:51	936	1956	080016	S4G02, No fire
15:04:38	947	1967	080016	S2G01-S2G04, S2G06-S2G10, No fire
15:08:52	959	1979	080016	S2G04, No fire
15:13:32	972	1992	080016	S4G02, No fire
15:14:15	974	1994	080016	S4G02, No fire
15:14:37	975	1995	080016	S4G02, No fire
15:15:41	978	1998	080016	S4G01, No Fire
15:17:26	983	2003	080016	S4G01, No Fire
15:19:59	990	2010	080016	S4G01, No Fire
15:22:13	996	2016	080016	S4G02, No fire
15:24:49	1003	2023	080016	S4G02, No fire
15:27:28	1010	2030	080016	S4G01, No Fire
15:31:14	1020	2040	080016	S4G02, No fire
15:32:43	1024	2044	080016	S2G01, No fire

15:33:28	1026	2046	080016	S4G01, No Fire
15:34:36	1029	2049	080016	S2G04, No fire
15:39:55	1043	2063	080016	S4G02, No fire
15:48:50	1066	2086	080016	S4G01, No Fire
15:54:16	1080	2100	080016	S4G09 and S4G10, No fire
15:57:21	1088	2108	080016	S4G01, No Fire
16:02:54	1102	2122	080016	S4G02, No Fire
16:10:11	1120	2140	080016	S4G02, No Fire
16:15:52	1134	2154	080016	S2G04, No Fire
16:19:05	1142	2162	080016	S4G01, No Fire
16:23:32	1153	2173	080016	S4G02, No Fire
16:33:36	1178	2198	080016	S4G02, No Fire
16:36:01	1184	2204	080016	S4G02, No Fire
16:43:19	1203	2223	080016	S4G01, No Fire
16:47:46	1214	2234	080016	S4G02, No Fire
16:53:30	1229	2249	080016	S4G01, No Fire
16:55:25	1234	2254	080016	S4G02, No Fire
16:56:34	1237	2257	080016	S4G02, No Fire
17:12:28	1279	2299	080016	S4G01, No Fire
17:17:08	1291	2311	080016	S4G01, No Fire
17:18:45	1295	2315	080016	S4G02, No Fire
17:25:07	1310	2330	080016	S4G02, No Fire
17:27:18	1315	2335	080016	S4G02, No Fire
17:30:23	1322	2342	080016	S4G01, No Fire
17:33:02	1328	2348	080016	S4G02, No Fire
17:37:53	1339	2359	080016	S4G02, No Fire
17:39:57	1344	2364	080016	S4G01, No Fire
17:58:48	1386	2406	080016	S2G03, No Fire
18:05:33	1400	2420	080017	REEL CHANGE, 080017
18:11:55	1413	2433	080017	S4G01, No Fire
18:17:41	1424	2444	080017	S2G04, No Fire
18:28:37	1445	2465	080017	S2G04, No Fire
18:34:03	1455	2475	080017	S4G02, No Fire
18:34:34	1456	2476	080017	S4G01, No Fire
18:47:55	1481	2501	080017	S2G04, No Fire
18:52:09	1489	2509	080017	S4G02, No Fire
19:08:13	1518	2538	080017	S2G04, No Fire
19:09:15	1520	2540	080017	S4G01, No Fire
19:12:37	1526	2546	080017	S4G01, No Fire
19:42:04	1579	2599	080017	S2G04, No Fire
19:45:54	1586	2606	080017	S4G02, No Fire
19:50:54	1595	2615	080017	S4G01, No Fire
19:57:45	1607	2627	080017	S4G01, No Fire
20:04:36	1619	2639	080017	S4G01, No Fire
20:05:43	1621	2641	080017	S4G01, No Fire
20:22:22	1652	2672	080017	S2G03, S2G06, No Fire
20:22:53	1653	2673	080017	S3G02, Timing Error
20:32:12	1671	2691	080017	S3G02, Timing Error

20:32:42	1672	2692	080017	S3G02, Timing Error
20:34:38	1676	2696	080017	S4G01, No Fire
20:35:36	1678	2698	080017	S3G02 ,Auto Fire Error
20:36:34	1680	2700	080017	S4G02, No Fire
20:37:03	1681	2701	080017	S2G03, No Fire; S3G02 Auto Fire Error
20:37:30	1682	2702	080017	S3G02, Auto Fire Error
20:44:14	1696	2716	080017	S4G02, No Fire
20:46:10	1700	2720	080017	S3G02, No Fire
20:46:40	1701	2721	080017	S3G02, No Fire
20:47:10	1702	2722	080017	S3G02, No Fire
20:47:41	1703	2723	080017	S3G02, S4G02, No Fire
20:48:09	1704	2724	080017	S3G02, No Fire
20:48:39	1705	2725	080017	S3G02, No Fire
20:49:09	1706	2726	080017	S3G02, No Fire
20:49:37	1707	2727	080017	S3G02, No Fire, S3G02 Disabled; S1G05 and S2G05 Enabled; New Volume = 6060
20:50:07	1708	2728	080017	S1G05, Timing Error; S2G05, No Fire
20:50:35	1709	2729	080017	S1G05, Timing Error; S2G05, No Fire
20:51:04	1710	2730	080017	S1G05, Timing Error; S2G05, No Fire
20:51:32	1711	2731	080017	S2G05, No Fire
20:52:00	1712	2732	080017	S2G05, S4G02, S4G03, No Fire
20:52:28	1713	2733	080017	S2G05, S4G01, S4G02, S4G03, S4G06, S4G07, No Fire
20:52:56	1714	2734	080017	S2G05, S4G01, S4G02, S4G03, S4G05-S4G10, No Fire
20:53:23	1715	2735	080017	S2G05, S4G1-S4G10, No Fire
20:53:49	1716	2736	080017	S2G05, S4G1-S4G10, No Fire
20:54:16	1717	2737	080017	S2G05, S4G1-S4G10, No Fire
20:54:43	1718	2738	080017	S2G05, S4G1-S4G10, No Fire
20:55:09	1719	2739	080017	S2G05, S4G1-S4G10, No Fire; S2G05 Disabled; New Volume = 6420
20:55:36	1720	2740	080017	S4G01-S4G10, Comm Error
20:56:03	1721	2741	080017	S4G01-S4G10, Comm Error
20:56:30	1722	2742	080017	S4G01-S4G10, Comm Error
20:56:57	1723	2743	080017	S4G01-S4G08, No Fire
20:57:23	1724	2744	080017	S4G07, Timing Error
20:59:08	1728	2748	080017	S4G02, No Fire
21:04:44	1741	2761	080017	S2G02, No Fire
21:05:37	1743	2763	080017	S4G01, No Fire
21:06:56	1746	2766	080017	S2G03, No Fire
21:08:42	1750	2770	080017	S4G01, No Fire
21:09:33	1752	2772	080017	S4G02, No Fire
21:20:46	1778	2798	080017	S4G01, No Fire
21:21:11	1779	2799	080017	S4G02, No Fire
21:22:00	1781	2801	080017	S2G04, No Fire
21:26:54	1793	2813	080017	S4G02, No Fire
21:45:56	1840	2860	080017	S4G01, No Fire
21:47:35	1844	2864	080017	S2G04, No Fire
21:51:38	1854	2874	080017	S2G04, No Fire
21:52:02	1855	2875	080017	S2G04, No Fire
21:52:49	1857	2877	080017	S2G03, No Fire
21:54:00	1860	2880	080017	S4G01, No Fire

21:54:23	1861	2881	080017	S4G01, No Fire
21:54:46	1862	2882	080017	S2G04, No Fire
22:06:01	1889	2909	080017	S2G04, No Fire
22:06:47	1891	2911	080017	S4G01, No Fire
22:08:20	1895	2915	080017	S4G02, No Fire
22:11:27	1903	2923	080017	S4G01, No Fire
22:12:37	1906	2926	080017	S4G01, No Fire
22:20:48	1928	2948	080017	S4G02, No Fire
22:22:17	1932	2952	080017	S4G02, No Fire
22:27:27	1946	2966	080017	S4G01, No Fire
22:29:38	1952	2972	080017	S4G02, No Fire
22:29:59	1953	2973	080017	S4G01, No Fire
22:30:21	1954	2974	080017	S4G02, No Fire
22:30:43	1955	2975	080017	S2G01,S2G02,S2G03,S2G04,S2G06,S2G07,S2G08,S2G09,S2G10,No Fire
22:33:20	1962	2982	080017	S4G02, No Fire
22:35:49	1968	2988	080017	S4G01, No Fire
22:37:47	1974	2994	080017	S4G02, No Fire
22:38:04	1975	2995	080017	S4G01, No Fire
22:38:46	1977	2997	080017	S4G01, No Fire
22:39:50	1980	3000	080017	S2G02, No Fire
22:42:58	1989	3009	080017	S4G02, No Fire
22:45:24	1996	3016	080017	S4G02, No Fire
22:48:37	2005	3025	080017	S4G01, No Fire
22:51:48	2014	3034	080017	S2G03, No Fire
22:56:53	2028	3048	080017	S4G02, No Fire
23:05:34	2053	3073	080017	S4G01, No Fire
23:14:26	2079	3099	080017	S2G04, No Fire
23:17:55	2089	3109	080017	S4G01, No Fire
23:20:20	2096	3116	080017	S2G04, No Fire
23:21:23	2099	3119	080017	S4G02, No Fire
23:21:44	2100	3120	080017	S4G01, No Fire, REEL CHANGE, 080018
23:28:26	2119	3139	080018	S4G02, No Fire
23:30:52	2126	3146	080018	S4G02, No Fire
23:34:20	2136	3156	080018	S4G02, No Fire
23:35:01	2138	3158	080018	S4G01, No Fire
23:40:12	2153	3173	080018	S2G01, No Fire
23:42:39	2160	3180	080018	S4G02, No Fire
23:43:00	2161	3181	080018	S4G02,S2G04, No Fire
23:49:25	2179	3199	080018	S2G04, No Fire
23:51:46	2186	3206	080018	S4G01,S4G02, No Fire
00:00:58	2212	3232	080018	S4G02, No Fire
00:03:53	2220	3240	080018	S4G02, No Fire
00:06:22	2227	3247	080018	S2G04 and S4G02, No Fire
00:08:54	2234	3254	080018	S4G02, No Fire
00:16:23	2255	3275	080018	S4G01, No fire
00:24:32	2277	3297	080018	S4G02, No Fire
00:30:54	2294	3314	080018	S4G01, No fire
00:32:01	2297	3317	080018	S4G02, No Fire

00:33:32	2301	3321	080018	S4G02, No Fire
00:44:44	2329	3349	080018	S4G01, No fire
00:47:32	2336	3356	080018	S4G01, No fire
00:47:56	2337	3357	080018	S4G01 and S4G02, No fire
00:49:07	2340	3360	080018	S4G02, No Fire
00:51:28	2346	3366	080018	S4G01, No fire
00:55:49	2357	3377	080018	S4G02, No Fire
00:56:59	2360	3380	080018	S4G01, No fire
00:59:22	2366	3386	080018	S4G01, No fire
01:00:34	2369	3389	080018	S4G01, No fire
01:02:08	2373	3393	080018	S4G01, No fire
01:07:06	2386	3406	080018	S4G01 and S4G02, No fire
01:11:50	2398	3418	080018	S4G01, No fire
01:15:34	2408	3428	080018	S4G02, No Fire
01:15:57	2409	3429	080018	S4G02, No Fire
01:19:01	2417	3437	080018	S4G02, No Fire
01:22:34	2426	3446	080018	S4G02, No Fire
01:30:42	2447	3467	080018	S4G01, No fire
01:34:53	2458	3478	080018	S4G01, No fire
01:41:20	2475	3495	080018	S4G01, No fire
01:41:43	2476	3496	080018	S4G01, No fire
01:46:59	2490	3510	080018	S4G01, No fire
01:50:02	2498	3518	080018	S4G01, No fire
01:59:00	2521	3541	080018	S4G02, No Fire
02:00:08	2524	3544	080018	S4G02, No Fire
02:01:16	2527	3547	080018	S4G02, No Fire
02:14:27	2562	3582	080018	S4G02, No Fire
02:15:57	2566	3586	080018	S4G02, No Fire
02:20:34	2578	3598	080018	S4G02, No Fire
02:24:27	2588	3608	080018	S4G02, No Fire
02:26:04	2592	3612	080018	S4G02, No Fire
02:26:52	2594	3614	080018	S4G01, No fire
02:35:03	2615	3635	080018	S4G01, No fire
02:35:49	2617	3637	080018	S4G01, No fire
02:36:36	2619	3639	080018	S4G01, No fire
02:41:30	2631	3651	080018	S4G01, No fire
02:41:54	2632	3652	080018	S4G02, No Fire
02:45:11	2640	3660	080018	S4G02, No Fire
02:46:52	2644	3664	080018	S4G01, No fire
02:47:40	2646	3666	080018	S4G01, No fire
02:48:28	2648	3668	080018	S4G01, No fire
02:48:52	2649	3669	080018	S4G01, No fire
02:51:16	2655	3675	080018	S4G01, No fire
02:58:11	2672	3692	080018	S4G02, No Fire
03:01:52	2681	3701	080018	S4G02, No Fire
03:03:05	2684	3704	080018	S4G01, No fire
03:08:30	2697	3717	080018	S4G02, No Fire
03:16:00	2715	3735	080018	S4G02, No Fire

03:25:23	2738	3758	080018	S4G02, No Fire
03:26:13	2740	3760	080018	S4G02, No Fire
03:27:53	2744	3764	080018	S4G02, No Fire
03:32:49	2756	3776	080018	S4G02, No Fire
03:34:27	2760	3780	080018	S4G02, No Fire
03:06:01	2764	3784	080018	S4G01, No fire
03:40:20	2775	3795	080018	S4G01, No fire
03:46:12	2790	3810	080018	S4G01, No fire
03:47:47	2794	3814	080018	S4G02, No Fire
03:49:44	2799	3819	080018	S4G01, No fire
03:50:07	2800	3820	080018	S4G02, No Fire; REEL CHANGE, 080019
03:59:35	2825	3845	080019	S4G01, No fire
04:03:50	2836	3856	080019	S4G01, No fire
04:06:10	2842	3862	080019	S4G01, No fire
04:08:06	2847	3867	080019	S4G02, No Fire
04:14:32	2864	3884	080019	String 2 no fire
04:15:38	2867	3887	080019	S4G02, No Fire
04:19:35	2878	3898	080019	S4G01, S4G02, No fire
04:28:50	2904	3924	080019	S4G01, No fire
04:34:13	2919	3939	080019	S4G02, No Fire
04:40:41	2937	3957	080019	S4G01, No fire
04:42:46	2943	3963	080019	S4G01, No fire
04:43:28	2945	3965	080019	S4G01, No fire
04:50:44	2966	3986	080019	S4G02, No Fire
04:51:45	2969	3989	080019	S4G02, No Fire
04:53:47	2975	3995	080019	S4G02, No Fire
04:55:30	2980	4000	080019	S4G01, No fire
04:59:36	2992	4012	080019	S4G02, No Fire
04:59	2993	4013	080019	S4G02, No Fire
05:01	2907	4017	080019	S4G01, No Fire
05:04	2916	4016	080019	Gun String #3 Disabled for Maintenance New Volume 5310 in3
05:12	3031	4051	080019	S4G01, No fire
05:19	3053	4073	080019	S4G01, No Fire
05:21	3058	4078	080019	S4G01, No Fire
05:27	3076	4096	080019	S4G01, No fire
05:32:20	3091	4111	080019	S4G01, No fire
05:32:39	3092	4112	080019	S4G01, No fire
05:33:18	3094	4114	080019	S4G01, No fire
05:46:07	3134	4154	080019	S4G02, No Fire
05:51:10	3150	4170	080019	S4G02, No Fire
05:52:26	3154	4174	080019	S4G02, No Fire
05:53:24	3157	4177	080019	S4G01, No fire
06:00:00	3178	4198	080019	S4G02, No Fire
06:01:17	3182	4202	080019	S4G02, No Fire
06:03:12	3188	4208	080019	S4G02, No Fire
06:09:34	3208	4228	080019	S4G02, No Fire
06:20:13	3241	4261	080019	S4G01, No fire
06:15				Gun String #3 deployed

06:28:57	3267	4287	080019	S4G02, No Fire
06:29:37	3269	4289	080019	S4G01, No fire
06:30:18	3271	4291	080019	S4G02, No Fire
06:30:39	3272	4292	080019	S4G02, No Fire
06:35:08	3285	4305	080019	Gun String #3 enabled Autofire S3G10 from SP 4305-4321
06:40:48	3302	4322	080019	FGSP, New Volume 6600
07:11	3380	4400	080019	EOL MGL0908_3 SEQ 006

Time UTC	FILE	SP	Tape	Description
07:13	1	1061	080020	SOL MGL0908_4 SEQ 007
11:10:08	700	1760	080021	Reel Change
12:35:34	951	2011	080021	S2G01 to S2G09, no fire
14:55:51	1400	2460	080022	Reel Change
18:40:30	2078	3138	080022	Delta Timing at 2.2ms,S1G01
18:47:57	2100	3160	080022	Reel Change
22:52:41	2749	3809	080023	S1G01, S1G02 Timing Error
23:11:17	2800	3860	080024	Reel Change
22:26:00	2843	3903	080024	S1G01, S1G02 Timing Error
23:26:19	2844	3904	080024	S1G02 Timing Error
22:45:27	2902	3962	080024	S1G02 Timing Error
23:45:45	2903	3963	080024	S1G02 Timing Error
23:46:05	2904	3964	080024	S1G01, S1G02 Timing Error
23:46:24	2905	3965	080024	S1G02 Timing Error
23:50:38	2918	3978	080024	S1G02 No Fire
23:50:57	2919	3979	080024	S1G02 No Fire
23:51:17	2920	3980	080024	S1G02 No Fire
23:51:37	2921	3981	080024	S1G02 Timing Error
23:57:40	2940	4000	080024	S1G01, S1G02 Timing Error
23:57:58	2941	4001	080024	S1G02 Timing Error
00:00:29	2949	4009	080024	S1G01, S1G02 Timing Error
00:02:23	2954	4014	080024	S1G01, S1G02 Timing Error
00:03:56	2960	4020	080024	S1G01 (timing error 2.3 ms), S1G02 (timing error 3.4 ms)
00:08:55	2976	4036	080024	S1G02 Timing Error 7.1 ms
00:09:13	2977	4037	080024	S1G02 Timing Error -2.1 ms
00:11:42	2985	4045	080024	S1G01 (timing error 2.3 ms), S1G02 (timing error 6.5 ms)
00:12:00	2986	4046	080024	S1G02 Timing Error (-2.5ms)
00:13:12	2990	4050	080024	delta timing error
00:13:33	2991	4051	080024	S1G02 Timing Error (5.1 ms)
00:15:22	2997	4057	080024	delta timing error
00:15:44	2998	4058	080024	S1G01 (timing error 2.2 ms), S1G02 (timing error 3.9 ms)
00:19:45	3011	4071	080024	delta timing error
00:20:06	3012	4072	080024	S1G02, Autofire 1868 ms Timing Error 3.7 ms
00:20:41	3014	4074	080024	delta timing error
00:21:01	3015	4075	080024	S1G02, Autofire 1884 ms Timing Error 3.0 ms; S1G02, turned off; S1G05, turned
00:21:19	3016	4076	080024	S1G05 (timing error 3.5 ms), S2G05, no fire
00:21:39	3017	4077	080024	S1G05 (timing error -5.6 ms), S2G05, No fire
00:21:57	3018	4078	080024	S2G05, no fire
00:22:15	3019	4079	080024	S2G05, no fire
00:22:34	3020	4080	080024	S3G05 (timing error 2.3 ms)
02:57:58	3500	4560	080025	Reel Change
06:27:46	4200	5260	080026	Reel Change
06:39:42	4240	5300	080026	S2G06, No Fire
09:00:31	4695	5755	080026	S2G04, No Fire
09:18:01	4752	5812	080026	S3G02 Timing Error
10:08:22	4901	5961	080027	Reel Change

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080037	080039	FGSP	1008
SP #	1008	2388	LGSP	2388

Line	MGL0908_07
Sequence	010
Direction	228.5

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			150	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	18s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/02/09	07/03/09
Time UTC	18:55:17	17:40:40
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	SW 16.9	NW 16.9
Sea State (ft)	1-3	1-3
Water Depth (m)	5522.5	3668.7

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL Pos 20 34.47795N 123 12.95556E
SHOT INTERVAL 150M FOR OBS
EOL Pos 20 34.09N 121 13.954E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
18:55:17	1	1008	080037	SOL REEL CHANGE #080037 SHOT INTERVAL 150M FOR OBS
19:05:34	11	1018	080037	NOISE DUE TO TURN OF STREAMER
19:08:22	14	1021	080037	PASSING OBS #N34
19:12:06	18	1025	080037	S3G01 NO FIRE
19:25:32	31	1039	080037	S3G01 NO FIRE
19:37:13	44	1051	080037	NOISE GONE
19:56:42	64	1071	080037	S3G01 NO FIRE
20:00:58	78	1085	080037	PASSING OBS #N33
20:38:44	112	1119	080037	S3G01&S3G02, NO FIRE
20:43:56	118	1125	080037	S3G01 NO FIRE
20:44:48	119	1126	080037	S3G01 NO FIRE
21:07:46	145	1152	080037	S3G01 NO FIRE
21:11:15	149	1156	080037	PASSING OBS #N32
22:25:37	232	1239	080037	S3G02, NO FIRE
22:52:36	262	1269	080037	S3G01, NO FIRE
23:05:09	276	1283	080037	S2G02, NO FIRE
23:05	277	1284	080037	PASSING OBS #N30
23:09:37	281	1288	080037	S2G02, NO FIRE
23:48:20	323	1330	080037	S3G02, NO FIRE
00:00:07	344	1351	080037	Crossing OBS N29
00:18:29	355	1362	080037	S3G02, timing error -2.3 ms
01:11:06	410	1417	080037	Crossing OBS N28
02:04:09	462	1469	080037	S2G02, NO FIRE
02:14:51	472	1479	080037	S2G02, NO FIRE
02:23	480	1487	080037	Crossing OBS N27
04:27:48	583	1590	080038	REEL Change
07:51:14	742	1749	080038	NOISE DUE TO TURN OF STREAMER
08:08:21	758	1765	080038	S3G01 NO FIRE
08:12:37	762	1769	080038	S3G01 NO FIRE
08:34:30	781	1788	080038	Noise gone from streamer
08:59:51	803	1810	080038	S1G07 TIMING ERROR
10:29:52	897	1904	080038	S2G01 NO FIRE
10:41:36	910	1917	080038	Gunstring 3 Failed New Volume 4950
10:42:30	911	1918	080038	Gunstring 3 Failed New Volume 4950
10:43:25	912	1919	080038	Gunstring 3 Failed New Volume 4950
10:44:20	913	1920	080038	Gunstring 3 Failed New Volume 4950
10:45:14	914	1921	080038	Gunstring 3 Failed New Volume 4950
10:46:07	915	1922	080038	Gunstring 3 Failed New Volume 4950
10:47:02	916	1923	080038	Gunstring 3 Failed New Volume 4950
10:47:57	917	1924	080038	Gunstring 3 Failed New Volume 4950
10:48:52	918	1925	080038	Gunstring 3 Failed New Volume 4950
10:49:46	919	1926	080038	Gunstring 3 Failed New Volume 4950
10:50:37	920	1927	080038	Gunstring 3 Failed New Volume 4950
10:51:30	921	1928	080038	Gunstring 3 Failed New Volume 4950
10:52:25	922	1929	080038	Gunstring 3 Failed New Volume 4950
10:53:20	923	1930	080038	Gunstring 3 Failed New Volume 4950
10:54:14	924	1931	080038	Gunstring 3 Failed New Volume 4950

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080040	080044	FGSP	1090
SP #	1090	3996	LGSP	3996

Line	MGL0908_08
Sequence	011
Direction	303

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/03/09	07/04/09
Time UTC	18:07:08	12:28
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	NW 15.4	E 4
Sea State (ft)	1-3	4-5
Water Depth (m)	3642.6	2811.6

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL Pos 20 35.48N 121 11.78E
Shot Interval changed to 50m
EOL 21 24.5333N 120 06.16433

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
18:07:08	1	1090	080040	SOL MGL0908_08 SEQ011
18:49:42	145	1234	080040	S3G01, No Fire
20:30:13	483	1572	080040	S2G02, S2G07 No Fire
20:30:30	484	1573	080040	S2G01, S2G03, S2G07, No Fire; Power causing comm failures
20:30:48	485	1574	080040	S2G01, S2G03, S2G07, No Fire
20:31:06	486	1575	080040	S2G01, S2G03, S2G07, No Fire
20:31:24	487	1576	080040	S2G01-S2G10 Comm Error
20:31:43	488	1577	080040	S2G01-S2G10 Comm Error
20:32:00	489	1578	080040	S2G01 G02 Comm Error, S2G03 Auto Fire
20:32:18	490	1579	080040	S2G01 S2G02 comm error
20:32:37	491	1580	080040	S2G01 S2G02 comm error
20:32:56	492	1581	080040	S2G01 S2G02 comm error
20:33:16	493	1582	080040	S2G01 S2G02 No Fire
20:37:07	506	1595	080040	S2G01 Comm Error
20:37:43	508	1597	080040	S2G03, S2G07 No Fire
20:59:29	580	1669	080040	S2G01, Comm Error; S2G03, No Fire
21:01:36	585	1674	080040	S2G02, S2G03, No Fire
21:02:15	587	1676	080040	S2G01 No Fire
21:02:53	589	1678	080040	S2G01 No Fire
21:03:12	590	1679	080040	S2G01 No Fire
21:21:59	647	1736	080040	S2G01 No Fire
21:33:35	683	1772	080040	S2G01 No Fire
21:39:16	701	1790	080041	Reel Change
22:54:46	927	2016	080041	S3G01, No Fire
22:58:58	939	2028	080041	S2G02 No Fire
22:59:19	940	2029	080041	S2G07 No Fire
22:59:40	941	2030	080041	S2G01 No Fire
23:00:02	942	2031	080041	S2G01 No Fire
23:00:45	944	2033	080041	S2G01, S2G07 No Fire
23:01:48	947	2036	080041	S2G01 No Fire
23:02:09	948	2037	080041	S2G01 No Fire
23:03:13	951	2040	080041	S2G01 No Fire
23:04:15	954	2043	080041	S2G02 No Fire
23:04:35	955	2044	080041	S2G02 No Fire
23:05:17	957	2046	080041	S2G01 No Fire
23:07:01	962	2051	080041	S2G02 No Fire
23:07:44	964	2053	080041	S2G01 No Fire
23:08:05	965	2054	080041	S2G01 No Fire
23:09:12	968	2057	080041	S2G01 No Fire
23:09:34	969	2058	080041	S2G01 No Fire
01:16:30	1315	2404	080041	S2G01, comm error
01:16:53	1316	2405	080041	S2G01 No Fire
01:17:14	1317	2406	080041	S2G01 No Fire
01:20:11	1325	2414	080041	String02 failure
01:28:24	1347	2436	080041	S2G01 No Fire
01:29:55	1351	2440	080041	S2G07 No Fire
01:33:37	1361	2450	080041	S2G02 No Fire

01:35:07	1365	2454	080041	S2G07 No Fire
01:46:37	1395	2484	080041	S3G02, No Fire
01:48:18	1400	2489	080042	Reel Change
01:58:00	1426	2515	080042	S3G01, S3G02, No fire
02:23:38	1497	2586	080042	S2G01 No Fire
02:25:29	1502	2591	080042	S3G01 No Fire
02:34:43	1527	2616	080042	S2G01 No Fire
02:36:56	1533	2622	080042	S2G01 No Fire
02:48:25	1564	2653	080042	S2G01 Comm error
02:29:52	1568	2657	080042	S2G01 No Fire
02:50:14	1569	2658	080042	S2G01 No Fire
02:51:00	1571	2660	080042	S2G01 No Fire
02:51:23	1571	2660	080042	S2G01 No Fire
02:51:23	1572	2661	080042	S2G01 No Fire
02:52:09	1574	2663	080042	S2G01 No Fire
02:53:41	1578	2667	080042	S2G01 No Fire
02:54:04	1579	2668	080042	S2G01 No Fire
02:56:03	1584	2673	080042	S2G03 No fire
02:59:04	1592	2681	080042	S2G01 No Fire
03:00:34	1596	2685	080042	S2G01 No Fire
03:07:21	1614	2703	080042	S2G02 No Fire
03:13:58	1631	2720	080042	S2G01 No Fire
03:23:49	1656	2745	080042	S2G07 No Fire
03:46:14	1712	2801	080042	S2G02 No Fire
04:30:37	1812	2901	080042	S2G01 No Fire
04:37:34	1827	2916	080042	S2G01 No Fire
04:40:42	1834	2923	080042	S2G01 No Fire
04:41:35	1836	2925	080042	S2G01 No Fire
04:45:56	1846	2935	080042	S2G02 No Fire
04:48:54	1853	2942	080042	S2G01 No Fire
04:50:36	1857	2946	080042	S2G01, S3G01, S3G02 No Fire
04:52:49	1862	2951	080042	S2G01 No Fire
04:58:00	1873	2962	080042	S2G01 No Fire
05:00:37	1879	2968	080042	S2G01 No Fire
05:04:24	1888	2977	080042	S2G01 No Fire
05:10:36	1901	2990	080042	S2G03 No Fire
05:11:05	1902	2991	080042	S2G01 No Fire
05:13:27	1907	2996	080042	S2G01 No Fire
05:21:22	1924	3013	080042	S2G01 No Fire
05:25:37	1933	3022	080042	S2G01 No Fire
05:26:33	1935	3024	080042	S2G01 No Fire
05:38:18	1960	3049	080042	S2G01 No Fire
05:48:56	1982	3071	080042	S2G01 No Fire
05:49:25	1983	3072	080042	S2G01 No Fire
05:50:49	1986	3075	080042	S2G01 No Fire
05:52:13	1989	3078	080042	S2G01 No Fire, S2G07 No Fire
06:02:30	2011	3100	080042	S2G01 No Fire
06:03:25	2013	3102	080042	S2G01 No Fire, S2G07 No Fire

06:03:52	2014	3103	080042	S2G07 No Fire
06:04:18	2015	3104	080042	S2G01 No Fire
06:05:42	2018	3107	080042	S2G01 no fire
06:08:07	2023	3112	080042	S2G01 no fire, S2G03 No Fire
06:08:36	2024	3113	080042	S2G01 COMM ERROR
06:09:01	2025	3114	080042	MISFIRE DUE TO CONTROL RESET
06:09:21	2026	3115	080042	MISFIRE DUE TO CONTROL RESET
06:22:00	2052	3141	080042	S2G01 no fire
06:34:26	2078	3167	080042	S2G01 no fire
06:44:45	2100	3189	080043	REEL Change #080043
06:48:36	2108	3197	080043	S2G01, COMM ERROR, S2G02, S2G03, S2G07 no fire
06:49:06	2109	3198	080043	S2G07 No Fire
06:49:36	2110	3199	080043	S2G01, S2G03 COMM ERROR, S2G02, S2G07 no fire
07:07:19	2148	3237	080043	S2G01 NO FIRE
07:10:34	2155	3244	080043	S2G01 NO FIRE
07:11:50	2158	3247	080043	S2G01 NO FIRE
07:23:09	2181	3270	080043	S2G01 NO FIRE
07:37:16	2211	3300	080043	S3G01 TIMING ERROR FIRE AT 337.4 MS
07:38:35	2214	3303	080043	S3G01 TIMING ERROR FIRE AT 322.0 MS
07:46:08	2230	3319	080043	S3G01 TIMING ERROR FIRE AT 159.6 MS
07:51:54	2242	3331	080043	S2G02 TIMING ERROR FIRE AT 142.5 MS
07:54:17	2247	3336	080043	S2G01 Comm error, S2G02-G10 NO FIRE
07:58:39	2256	3345	080043	S2G03 No fire
07:59:37	2258	3347	080043	S2G01 NO FIRE
08:01:02	2261	3350	080043	S2G03 NO FIRE
08:03:20	2266	3355	080043	S3G01 Auto Fire Error
08:04:16	2268	3357	080043	S2G01 S2G03 NO FIRE
08:06:33	2273	3362	080043	S2G01 NO FIRE
08:07:29	2275	3364	080043	S2G01 NO FIRE
08:11:12	2283	3372	080043	S2G01 NO FIRE
08:18:16	2299	3388	080043	S2G01 NO FIRE
08:34:08	2335	3424	080043	S3G01 Auto Fire Error
08:35:31	2339	3428	080043	S3G01 Auto Fire Error
08:37:08	2342	3431	080043	S3G01 Auto Fire Error
08:42:14	2354	3443	080043	S3G01 Auto Fire Error
08:52:53	2379	3468	080043	S3G01 Auto Fire Error
08:59:28	2395	3484	080043	S3G01 Auto Fire Error
09:00:19	2397	3486	080043	S2G01 NO FIRE
09:05:40	2410	3499	080043	S3G01 Auto Fire Error
09:08:57	2418	3507	080043	S3G01 Auto Fire Error
09:18:38	2442	3531	080043	S2G01 NO FIRE
09:21:50	2450	3539	080043	S3G01 Auto Fire Error
09:23:25	2454	3543	080043	S3G01 Auto Fire Error
09:33:13	2479	3568	080043	S3G01 Auto Fire Error
09:40:59	2498	3587	080043	S3G01 Auto Fire Error
09:53	2529	3618	080043	S3G01 Auto Fire Error
09:56	2538	3627	080043	S3G01 Auto Fire Error
09:58	2542	3631	080043	S3G01 Auto Fire Error

Time UTC	FILE	SP	Tape	Description
12:32:55	1	1049	080045	SOL MGL0908_09, Reel Change
13:06:10	35	1083	080045	S2G01, no fire
13:31:14	62	1110	080045	S2G01, no fire
13:50:51	83	1131	080045	S2G01, no fire
14:36:11	133	1181	080045	S2G01, no fire
14:41:46	139	1187	080045	S2G01, no fire
14:51:56	150	1198	080045	S2G01, no fire
15:08:44	168	1216	080045	S2G01, no fire
15:13:23	173	1221	080045	S2G01, no fire
16:07:27	230	1278	080045	S2G01, no fire
16:20:15	243	1291	080045	S2G01, no fire
16:24:09	247	1295	080045	S2G01, no fire
16:26:04	249	1297	080045	S2G01, no fire
16:27:58	251	1299	080045	String 2, no fire
16:28:55	252	1300	080045	S2G01, no fire
16:30:50	254	1302	080045	S2G01, no fire
16:35:35	259	1307	080045	S2G01, no fire
16:40:25	264	1312	080045	S2G01, no fire
16:42:23	266	1314	080045	String 2, no fire due to power switch
16:44:21	268	1316	080045	S2G02, no fire
19:13:29	420	1468	080045	S2G01, no fire
19:34:21	439	1487	080045	S2G02, TIMING ERROR
19:42:28	446	1494	080045	S2G02, TIMING ERROR FIRE AT 156.8 MS
19:50:51	453	1501	080045	S2G03, no fire
19:52:04	454	1502	080045	S2G02, TIMING ERROR FIRE AT 725.2 MS
19:53:18	455	1503	080045	S2G03, no fire
19:58:12	459	1507	080045	S2G02, TIMING ERROR FIRE AT 345.5 MS
20:01:55	462	1510	080045	S3G01, S3G02, No fire
20:08:19	467	1515	080045	S2G02 Auto Fire, No Fire; S2G07 No Fire
20:13:46	471	1519	080045	S2G02 Auto Fire Error
20:17:55	474	1522	080045	S3G02, No Fire
20:26:04	480	1528	080045	S2G01, no fire
20:31:32	484	1532	080045	S2G02 No Fire
21:07:27	514	1562	080045	S2G02 No Fire
21:35:20	540	1588	080045	S3G02, No Fire
22:10:42	575	1623	080045	S3G02, No Fire
22:17:43	582	1630	080045	S2G02 Auto Fire Error
22:18:40	583	1631	080046	Reel Change
22:47:25	613	1661	080046	S2G02 Auto Fire Error
22:50:16	616	1664	080046	S2G02 Auto Fire Error
23:18:14	645	1693	080046	S2G02 Auto Fire Error
23:22:00	649	1697	080046	S2G03 No fire
23:24:48	652	1700	080046	String 2, No Fire
23:25:43	653	1701	080046	String 2, No Fire
23:33:07	661	1709	080046	S2G03 No fire
23:38:37	667	1715	080046	S3G01 No Fire
00:08:15	699	1747	080046	String 02 failure

01:01:50	757	1805	080046	S2G01, no fire
01:02:44	758	1806	080046	S2G01, no fire
01:05:28	761	1809	080046	S2G02, no fire
01:06:23	762	1810	080046	S2G03, no fire
01:09:06	765	1813	080046	String 02, no fire
01:11:50	768	1816	080046	S2G03, no fire
01:13:40	770	1818	080046	S2G02, no fire
01:32:07	790	1838	080046	S3G02, No Fire
01:45:55	805	1853	080046	String 02, no fire
01:47:42	807	1855	080046	S2G07, no fire
01:52:14	812	1860	080046	S2G02, no fire
01:57:41	818	1866	080046	S2G01, S2G02, no fire
01:58:37	819	1867	080046	S2G07, no fire
02:00:27	821	1869	080046	String 02, no fire
02:06:49	828	1876	080046	S2G03, no fire
02:16:15	838	1886	080046	S2G01-S2G03 Comm Error
02:20:00	842	1890	080046	S2G03 and S2G07 Nofire
02:20:57	843	1891	080046	S2G01 and S2G03 No fire
02:26:24	849	1897	080046	S2G03 No fire
02:30:54	854	1902	080046	String 2, no fire; S2G02 Comm Error
02:32:41	856	1904	080046	S2G07 No Fire
02:34:29	858	1906	080046	S2G02, S2G03 No fire
02:36:16	860	1908	080046	Whole string 2 no fire
02:37:56	862	1910	080046	streamer noise due to currents
02:51:41	877	1925	080046	S2G02 No fire
03:07:22	893	1941	080046	S2G01 and S2G07 No fire
03:37:49	923	1971	080046	S2G02 No fire
03:56:26	942	1990	080046	Streamer Noise Gone
06:03:43	1086	2134	080046	S2G01, S2G02, S2G03 No fire; S2G07 Comm Error
06:06:21	1089	2137	080046	String 02, no fire
07:15:49	1167	2215	080047	New Reel
07:28:22	1181	2229	080047	S2G02 No fire
07:51:24	1206	2254	080047	S2G07 No fire
07:54:02	1209	2257	080047	S2G03, S2G07 No fire
09:31:25	1317	2365	080047	S2G02,S2G03, S2G07 No fire
10:31:48	1379	2427	080047	S3G02, No Fire
10:45:01	1391	2439	080047	S2G02 Auto Fire Error
10:47:13	1393	2441	080047	S2G02 Auto Fire Error
10:53:50	1399	2447	080047	S2G02 Auto Fire Error
11:12:23	1415	2463	080047	S2G02 Auto Fire Error
11:13:28	1416	2464	080047	S2G02 Auto Fire Error
11:14:37	1417	2465	080047	S3G02 No Fire
11:16:34	1419	2467	080047	S2G02 Auto Fire Error
11:20:22	1422	2470	080047	S2G02 Auto Fire Error
11:23:48	1425	2473	080047	S2G02 Auto Fire Error
11:29:39	1430	2478	080047	S2G02 Auto Fire Error
11:37:58	1437	2485	080047	S2G02 Auto Fire Error
11:40:15	1439	2487	080047	S2G02 Auto Fire Error

12:17:19	1470	2518	080047	S2G02 Auto Fire Error, 804.5 ms
12:18:40	1471	2519	080047	S2G02 Auto Fire Error, 195.6 ms
12:29:53	1480	2528	080047	S2G01, S2G02, no fire; S2G02 Auto fire error, 192.0 ms
12:31:07	1481	2529	080047	S2G02 Auto Fire Error, 221.3 ms
12:37:26	1486	2534	080047	S2G02 Auto Fire Error, 206.0 ms
12:38:42	1487	2535	080047	S2G01,S2G02, S2G07 No fire
13:13:26	1515	2563	080047	S2G02 Auto Fire Error, 372.8 ms
13:47:08	1542	2590	080047	S2G02 Auto Fire Error, 1115.3 ms
14:08:07	1559	2607	080047	S2G02 Auto Fire Error, 1226.7 ms
14:10:34	1561	2609	080047	S2G02 Auto Fire Error, 733.3 ms
15:52:56	1643	2691	080047	S2G02 Auto fire error, 373.7 ms
18:11:45	1749	2797	080048	Reel Change
18:13:06	1750	2798	080048	S2G02 Auto Fire Error at 366.7 ms
18:17:03	1753	2801	080048	S2G02 Auto Fire Error at 369.3 ms
18:18:20	1754	2802	080048	S2G02 Auto Fire Error at 196.3 ms
19:12:03	1797	2845	080048	S3G01 No Fire
19:29:11	1811	2859	080048	S3G01 No Fire
19:36:18	1817	2865	080048	S3G01, S3G02 No Fire
19:38:40	1819	2867	080048	S3G01 No Fire
19:50:53	1829	2877	080048	S3G01 No Fire
20:09:48	1844	2892	080048	S2G02 Auto Fire Error
20:15:07	1848	2896	080048	S3G01 No Fire
20:20:21	1852	2900	080048	S3G02 No Fire
20:25:35	1856	2904	080048	S3G01 No Fire
21:07:37	1888	2936	080048	S3G02 No Fire
21:12:56	1892	2940	080048	S3G02 No Fire
21:22:08	1899	2947	080048	S4G01 Auto Fire Error
22:19:49	1942	2990	080048	S2G07 No Fire
00:16:22	2029	3077	080048	S3G01 No Fire
00:17:39	2030	3078	080048	S3G01 No Fire
00:22:53	2034	3082	080048	S2G02, no fire
00:29:34	2039	3087	080048	String 02, S3G01 no fire
00:32:15	2041	3089	080048	S2G02, S2G03 No fire
00:35:01	2043	3091	080048	S2G01, no fire
00:36:21	2044	3092	080048	S2G07, no fire
00:38:59	2046	3094	080048	S2G03, no fire
00:42:57	2049	3097	080048	S2G02, no fire
00:45:36	2051	3099	080048	S2G02, no fire
00:56:07	2059	3107	080048	S3G02 No Fire
01:25:31	2082	3130	080048	String 2, multiple misfires
01:26:48	2083	3131	080048	String 2, multiple misfires
01:40:35	2094	3142	080048	S2G01 S2G02 No fire
01:41:49	2095	3143	080048	S2G02 Delta Timing error @ 2.9 ms
01:55:44	2106	3154	080048	S3G02, No Fire
02:14:51	2121	3169	080048	S2G01-S2G03, No fire
02:16:08	2122	3170	080048	S3G01, No fire
02:37:04	2138	3186	080048	S3G02, No fire
03:08:42	2163	3211	080048	S3G01, No fire

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080050	080054	FGSP	1020
SP #	1020	4154	LGSP	4154

Line	MGL0908_10
Sequence	013
Direction	31.1

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/06/09	07/07/09
Time UTC	08:12	01:41
Volume (cu in.)	3300	6600
Streamer Depth (m)	9	9
Wind (kts)	13NE	11NE
Sea State (ft)	calm	2-4
Water Depth (m)	5353.5	5828

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 21 24.95605N, 123 39.70189E
EOL 22 37.54594N, 124 26.94380E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
08:12	1	1020	080050	SOL (Strings 1 and 2 enabled) Volume = 3300
08:43:50	106	1125	080050	S1G05 and S2G05 enabled, New Volume = 3480
08:44:09	107	1126	080050	S1G05 Timing error, S2G05 No Fire
08:44:27	108	1127	080050	S2G05 No Fire
08:44:46	109	1128	080050	S2G05 No Fire
08:45:05	110	1129	080050	S2G05 Timing Error
10:25:49	429-432	1448-1451	080050	Misshots due to gun reset
10:27:10	433	1452	080050	Strings 3 and 4 enabled, S1G05 and S2G05 spare; New Volume 6600
10:27:29	434	1453	080050	S3G01, S3G09, S3G10, S4G02, S4G04, S4G07, S4G09, S4G10 Timing Error
10:27:48	435	1454	080050	S3G02 Timing Error
10:30:03	442	1461	080050	S3G01 Auto Fire Error
10:30:43	444	1463	080050	S3G01, S3G02 No Fire
10:34:55	457	1476	080050	S3G01, S3G02 No Fire
10:36:22	462	1481	080050	S3G10 No Fire
10:37:11	464	1483	080050	S3G01 No Fire
10:38:48	469	1488	080050	S3G01 No Fire
10:40:24	474	1493	080050	S3G01 No Fire
10:43:01	482	1501	080050	S3G01, S3G02 No Fire
10:43:20	483	1502	080050	S3G01 No Fire
10:44:38	487	1506	080050	S3G01, S3G08 No Fire
10:47:14	495	1514	080050	S3G02 No Fire
10:48:51	500	1519	080050	S3G02 No Fire
10:49:30	502	1521	080050	S3G01 No Fire
10:52:46	512	1531	080050	S3G08 No Fire
10:53:25	514	1533	080050	S3G02 No Fire
10:54:04	516	1535	080050	S3G01 No Fire
10:56:21	523	1542	080050	S3G01, S3G02 No Fire
10:57:20	526	1545	080050	S3G02 No Fire
11:03:26	545	1564	080050	S3G02 No Fire
11:03:46	546	1565	080050	S3G01 No Fire
11:04:05	547	1566	080050	S3G01 No Fire
11:04:24	548	1567	080050	S3G01, S3G02 No Fire
11:08:39	561	1580	080050	S3G01 No Fire
11:10:38	567	1586	080050	S3G01, S3G02 No Fire
11:10:58	568	1587	080050	S3G01 No Fire
11:11:18	569	1588	080050	S3G02 No Fire
11:12:16	572	1591	080050	S3G10 No Fire
11:12:55	574	1593	080050	S3G01, S3G02 No Fire
11:16:09	584	1603	080050	S3G04 No Fire
11:17:28	588	1607	080050	S3G04 No Fire
11:19:06	593	1612	080050	S3G01 No Fire
11:21:08	599	1618	080050	S3G01 No Fire
11:25:03	611	1630	080050	S3G01 No Fire
11:28:40	622	1641	080050	S3G01, S3G02 No Fire
11:29:20	624	1643	080050	S3G01, S3G02 No Fire
11:30:38	628	1647	080050	S3G01, S3G02 No Fire
11:33:34	637	1656	080050	S3G01 No Fire

11:41:30	661	1680	080050	S3G02 No Fire
11:45:31	673	1692	080050	S3G01, S3G02 No Fire
11:46:51	677	1696	080050	S3G02 No Fire
11:47:31	679	1698	080050	S3G01 No Fire
11:47:51	680	1699	080050	S3G01 No Fire
11:48:30	682	1701	080050	S3G01 No Fire
11:48:49	683	1702	080050	S3G10 No Fire
11:49:49	686	1705	080050	S3G01, S3G02 No Fire
11:52:06	693	1712	080050	S3G01 No Fire
11:54:21	700	1719	080051	Reel Change
11:55:04	702	1721	080051	S3G01 No Fire
11:56:02	705	1724	080051	S3G01, S3G02 No Fire
11:59:37	716	1735	080051	S3G02 No Fire
12:01:15	721	1740	080051	S3G01 No Fire
12:02:15	724	1743	080051	S3G01, S3G02 No Fire
12:02:34	725	1744	080051	S3G01 No Fire
12:07:12	739	1758	080051	S3G01 No Fire
12:07:52	741	1760	080051	S3G01 No Fire
12:13:11	757	1776	080051	S3G01 No Fire
12:14:10	760	1779	080051	S3G01, S3G02 No Fire
12:19:08	775	1794	080051	S3G01 No Fire
12:19:28	776	1795	080051	S3G01 No Fire
12:22:27	785	1804	080051	S3G01 No Fire
12:22:47	786	1805	080051	S3G01 No Fire
12:24:27	791	1810	080051	S3G01 No Fire
12:28:48	804	1823	080051	S3G02 No Fire
12:31:51	813	1832	080051	S3G01 No Fire
12:34:33	821	1840	080051	S3G01 No Fire
12:44:55	852	1871	080051	S3G01 No Fire
12:45:54	855	1874	080051	S3G01 No Fire
12:46:53	858	1877	080051	S3G01, S3G02 No Fire
12:52:29	875	1894	080051	S3G02 No Fire
12:52:48	876	1895	080051	S3G01 No Fire
12:53:48	879	1898	080051	S3G10 No Fire
12:57:22	890	1909	080051	S3G02 No Fire
13:05:51	916	1935	080051	S3G02 No Fire
13:09:48	928	1947	080051	S3G02 No Fire
13:10:08	929	1948	080051	S3G02 No Fire
13:15:26	945	1964	080051	S3G02 No Fire
13:15:45	946	1965	080051	S3G01 No Fire
13:17:45	952	1971	080051	S3G01 No Fire
13:18:26	954	1973	080051	S3G01 No Fire
13:22:05	965	1984	080051	S3G02 No Fire
13:22:44	967	1986	080051	S3G02 No Fire
13:23:23	969	1988	080051	S3G01 No Fire
13:23:43	970	1989	080051	S3G02 No Fire
12:25:31	975	1994	080051	S3G02 No Fire
13:28:16	984	2003	080051	S3G02 No Fire

13:28:36	985	2004	080051	S3G01 No Fire
13:28:55	986	2005	080051	S3G01 No Fire
13:29:34	988	2007	080051	S3G02, S3G01 No Fire
13:30:13	990	2009	080051	S3G01 No Fire
13:37:47	1013	2032	080051	S3G04 No Fire
13:56:08	1070	2089	080051	S3G01 No Fire
13:57:06	1073	2092	080051	S3G01 No Fire
13:58:42	1078	2097	080051	S3G04 No Fire
13:59:20	1080	2099	080051	S3G01 No Fire
14:01:34	1087	2106	080051	S3G01 No Fire
14:11:17	1117	2136	080051	S3G02 No Fire
14:17:46	1137	2156	080051	S3G01 No Fire
14:23:34	1155	2174	080051	S3G01 No Fire
14:24:53	1159	2178	080051	S3G01 No Fire
14:27:10	1166	2185	080051	S3G01 No Fire
14:47:50	1230	2249	080051	S3G01 No Fire
14:48:09	1231	2250	080051	S3G01 S3G02 No fire
14:48:47	1233	2252	080051	S3G01 S3G02 No fire
14:57:02	1259	2278	080051	S3G01 S3G02 No fire
14:58:00	1262	2281	080051	S3G01 No Fire
14:58:38	1264	2283	080051	S3G01 No Fire
15:01:49	1274	2293	080051	S3G01 No Fire
15:02:08	1275	2294	080051	S3G01 No Fire
15:18:02	1325	2344	080051	S3G01 S3G02 No fire
15:19:20	1329	2348	080051	S3G01 No Fire
15:22:58	1340	2359	080051	S3G02 No Fire
15:23:17	1341	2360	080051	S3G01 S3G02 No fire
15:23:37	1342	2361	080051	S3G01 No Fire
15:28:29	1357	2376	080051	S3G01 S3G02 No fire
15:31:23	1366	2385	080051	S3G02 No Fire
15:38:11	1387	2406	080051	S3G01 No Fire
15:40:27	1394	2413	080051	S3G01 S3G02 No fire
15:40:47	1395	2414	080051	S3G02 No Fire
15:42:20	1400	2419	080052	Reel Change Reel# 080052
15:44:22	1406	2425	080052	S3G02 No Fire
15:49:53	1423	2442	080052	S3G02 No Fire
15:50:12	1424	2443	080052	S3G04 No Fire
16:10:09	1483	2502	080052	S3G01 S3G02 S3G03 No fire
16:11:33	1487	2506	080052	S3G01 S3G02 No fire
16:22:01	1518	2537	080052	S3G08 No Fire
16:27:03	1533	2552	080052	S3G01 S3G02 No fire
16:29:05	1539	2558	080052	S3G01 No fire
16:40:37	1572	2591	080052	S3G02 No fire
16:42:24	1577	2596	080052	S3G01 S3G02 No fire
16:43:07	1579	2598	080052	S3G04 No fire
16:48:43	1595	2614	080052	S3G02 No fire
16:50:48	1601	2620	080052	S3G01 No fire
16:51:09	1602	2621	080052	S3G01 No fire

16:52:12	1605	2624	080052	S3G01 No fire
17:10:09	1655	2674	080052	S3G01 S3G02 No fire
17:17:43	1676	2695	080052	S3G01 No fire
17:22:28	1689	2708	080052	S3G01 No fire
17:32:10	1715	2734	080052	S3G02 No fire
17:35:08	1723	2742	080052	S3G01 S3G04 No fire
17:39:07	1734	2753	080052	S3G01 S3G08 No fire
17:45:41	1752	2771	080052	S3G01 No fire
17:47:06	1756	2775	080052	S3G01 No fire
17:48:53	1761	2780	080052	S3G01 No fire
17:52:48	1772	2791	080052	S3G01 No fire
18:07:28	1812	2831	080052	S3G02 No fire
18:08:33	1815	2834	080052	S3G02, S3G01 No fire
18:08:55	1816	2835	080052	S3G01 No fire
18:11:50	1824	2843	080052	S3G01 No fire
18:12:56	1827	2846	080052	S3G02, S3G01 No fire
18:13:18	1828	2847	080052	S3G01 No fire
18:16:35	1837	2856	080052	S3G02 No fire
18:27:33	1867	2886	080052	S3G01 No fire
18:30:09	1874	2893	080052	S3G01 No fire
18:33:45	1884	2903	080052	S3G01 No fire
18:35:12	1888	2907	080052	S3G01 No fire
18:39:55	1901	2920	080052	S3G01 No fire
18:40:16	1902	2921	080052	S3G01 No fire
18:47:52	1923	2942	080052	S3G02, S3G01 No fire
18:50:54	1931	2950	080052	S3G02 No fire
19:02:21	1963	2982	080052	S3G02 No fire
19:06:59	1976	2995	080052	S3G01 No fire
19:08:24	1980	2999	080052	S3G01 No fire
19:10:52	1987	3006	080052	S3G01 No fire
19:17:35	2006	3025	080052	S3G01 No fire
19:18:41	2009	3028	080052	S3G01 No fire
19:19:24	2011	3030	080052	S3G02, S3G01 No fire
19:21:13	2016	3035	080052	S3G01 No fire
19:21:35	2017	3036	080052	S3G02 No fire
19:25:34	2028	3047	080052	S3G01 No fire
19:33:16	2049	3068	080052	S3G01 No fire
19:51:52	2099	3118	080052	S3G02, S3G01 No fire
19:52:08	2100	3119	080053	Reel Change
19:54:00	2105	3124	080053	S3G02, S3G01 No fire
19:57:13	2114	3133	080053	S3G02 No fire
19:58:38	2118	3137	080053	S3G02 No fire
20:03:14	2131	3150	080053	S3G01 No fire
20:10:02	2150	3169	080053	S3G01 No fire
20:11:28	2154	3173	080053	S3G02, S3G01 No fire
20:14:44	2163	3182	080053	S3G01 No fire
21:14:36	2330	3349	080053	S3G02 No fire
21:20:21	2347	3366	080053	S3G01 No fire

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080055	080059	FGSP	1041
SP #	1041	4040	LGSP	4040

Line	MGL0908_11
Sequence	014
Direction	000

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/07/09	07/07/09
Time UTC	01:54	19:35
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	11.2 NE	8.4 SE
Sea State (ft)	2-4	1-3
Water Depth (m)	5896	2202.8

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 22 38.58368N 124 26.99550E
START TURN TO MGL0908_12 SP 4008 FILE 2968
EOL 23 59.82164N 124 27.24661E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
01:54:15	1	1041	080055	SOL, Reel Change
01:56:31	7	1047	080055	S3G01, NO FIRE
02:01:16	20	1060	080055	S3G01, NO FIRE
02:12:29	21	1061	080055	S3G01, NO FIRE
02:12:35	51	1091	080055	S3G01, NO FIRE
02:21:19	75	1115	080055	S3G01, NO FIRE
02:22:25	78	1118	080055	S3G01, S3G02 NO FIRE
02:29:33	98	1138	080055	S3G01, S3G08 NO FIRE
02:30:15	100	1140	080055	S3G01, NO FIRE
02:32:42	107	1147	080055	S3G04, NO FIRE
02:37:34	121	1161	080055	S3G01, NO FIRE
02:39:19	126	1166	080055	S3G01, S3G02 NO FIRE
02:48:45	156	1196	080055	S3G01, S3G02 NO FIRE
02:50:07	157	1197	080055	S3G01, NO FIRE
02:59:21	183	1223	080055	S3G01, NO FIRE
03:01:30	189	1229	080055	S3G10, NO FIRE
03:02:59	193	1233	080055	S3G01, NO FIRE
03:08:57	209	1249	080055	S3G01, NO FIRE
03:11:13	215	1255	080055	S3G01, NO FIRE
03:13:29	221	1261	080055	S3G01, S3G02 NO FIRE
03:14:58	225	1265	080055	S3G01, NO FIRE
03:15:21	226	1266	080055	S3G02 NO FIRE
03:18:20	234	1274	080055	S3G01, NO FIRE
03:19:27	237	1277	080055	S3G01, S3G02 NO FIRE
03:23:28	248	1288	080055	S3G01, NO FIRE
03:27:28	259	1299	080055	S3G01, NO FIRE
03:27:50	260	1300	080055	S3G01, S3G02 NO FIRE
03:28:34	262	1302	080055	S3G02 NO FIRE
03:37:44	287	1327	080055	S3G01, NO FIRE
03:42:19	299	1339	080055	S3G02 NO FIRE
03:45:27	307	1347	080055	S3G01, NO FIRE
03:52:35	325	1365	080055	S3G01, S3G02 NO FIRE
03:57:18	337	1377	080055	S3G01, S3G02 NO FIRE
04:00:27	345	1385	080055	S3G01, NO FIRE
04:06:46	361	1401	080055	S3G01, S3G02 NO FIRE
04:18:11	390	1430	080055	S3G01, NO FIRE
04:18:35	391	1431	080055	S3G01, S3G02 NO FIRE
04:19:22	393	1433	080055	S3G01, NO FIRE
04:21:43	399	1439	080055	Auto Fire @ 50992.0ms, S3G01
04:36:40	437	1477	080055	S3G01, NO FIRE
04:38:13	441	1481	080055	S3G01, NO FIRE
04:39:01	443	1483	080055	S3G10, NO FIRE
04:41:49	450	1490	080055	S3G02 NO FIRE
04:47:05	463	1503	080055	S3G01, NO FIRE
04:47:53	465	1505	080055	S3G01, S3G02 Comm Error
04:48:19	466	1506	080055	S3G01, S3G02 NO FIRE
04:49:07	468	1508	080055	S3G10, NO FIRE

04:50:21	471	1511	080055	S3G02 NO FIRE
05:01:25	498	1538	080055	S3G01, S3G02 NO FIRE
05:04:19	505	1545	080055	S3G01 NO FIRE
05:04:43	506	1546	080055	S3G01, S3G02 NO FIRE
05:10:09	520	1560	080055	S3G01 NO FIRE
05:11:21	523	1563	080055	S3G01 NO FIRE
05:12:56	527	1567	080055	S3G01, S3G02 NO FIRE
05:13:44	529	1569	080055	S3G02 NO FIRE
05:14:55	532	1572	080055	S3G01, S3G02 NO FIRE
05:16:30	536	1576	080055	S3G01, NO FIRE
05:30:24	571	1611	080055	S3G10, NO FIRE
05:31:36	574	1614	080055	S3G01, NO FIRE
05:35:33	584	1624	080055	S3G01, NO FIRE
05:37:54	590	1630	080055	S3G01, NO FIRE
05:39:28	594	1634	080055	S3G01, NO FIRE
06:10:13	669	1709	080055	S3G01, NO FIRE
06:10:37	670	1710	080055	S3G01, NO FIRE
06:12:58	676	1716	080055	S3G01, NO FIRE
06:14:31	680	1720	080055	S3G01, NO FIRE
06:15:16	682	1722	080055	S3G01, S3G02 NO FIRE
06:17:09	687	1727	080055	S3G01, NO FIRE
06:20:10	695	1735	080055	S3G02 comm error
06:21:18	698	1738	080055	S3G02 comm error, S3G04 NO FIRE
06:21:53	700	1740	080056	reel change #080056
06:23:10	703	1743	080056	S3G01, S3G02 NO FIRE
06:23:33	704	1744	080056	S3G01, NO FIRE
06:25:26	709	1749	080056	S3G01, NO FIRE
06:26:11	711	1751	080056	S3G02, NO FIRE
06:30:43	723	1763	080056	S3G02, NO FIRE
06:32:16	727	1767	080056	S3G01, S3G02 NO FIRE
06:33:03	729	1769	080056	S3G01, S3G02 NO FIRE
06:45:11	760	1800	080056	S3G01, NO FIRE
06:45:58	762	1802	080056	S3G01, S3G02 NO FIRE
06:47:32	766	1806	080056	S3G01, S3G02 NO FIRE
06:47:55	767	1807	080056	S3G01, NO FIRE
06:55:17	786	1826	080056	S3G01, NO FIRE
07:00:46	800	1840	080056	S3G02, NO FIRE
07:04:32	810	1850	080056	S3G01, NO FIRE
07:08:13	820	1860	080056	S3G01, NO FIRE
07:08:57	822	1862	080056	S3G04, NO FIRE
07:22:00	857	1897	080056	S3G01 comm error, S3G02 NO FIRE
07:23:08	860	1900	080056	S3G01, NO FIRE
07:23:53	862	1902	080056	S3G01, NO FIRE
07:56:35	952	1992	080056	S3G02, OMM ERROR
07:57:20	954	1994	080056	S3G01, S3G02 NO FIRE
08:12:00	995	2035	080056	S3G01, S3G02 NO FIRE
08:12:42	997	2037	080056	S3G01, S3G02 NO FIRE
08:17:19	1010	2050	080056	S3G01, S3G02 NO FIRE

08:25:47	1034	2074	080056	S3G02, NO FIRE
08:31:00	1049	2089	080056	S3G02, NO FIRE
08:46:35	1093	2133	080056	S3G01, NO FIRE
08:55:20	1118	2158	080056	S3G01, NO FIRE
09:16:05	1178	2218	080056	S3G01, S3G02 NO FIRE
09:18:09	1184	2224	080056	S3G01, S3G02 NO FIRE
09:19:12	1187	2227	080056	S3G01, NO FIRE
09:23:45	1200	2240	080056	S3G01, S3G02 NO FIRE
09:24:48	1203	2243	080056	S3G01, NO FIRE
09:26:14	1207	2247	080056	S3G01, NO FIRE
09:34:41	1231	2271	080056	S3G01, NO FIRE
09:37:26	1239	2279	080056	S3G01, NO FIRE
09:41:56	1252	2292	080056	S3G01, S3G02 NO FIRE
09:43:39	1257	2297	080056	S3G01, NO FIRE
09:45:24	1262	2302	080056	S3G01, NO FIRE
09:46:06	1264	2304	080056	S3G01, NO FIRE
09:48:12	1270	2310	080056	S3G01, NO FIRE
09:54:09	1287	2327	080056	S3G01, NO FIRE
09:56:35	1294	2334	080056	S3G01, NO FIRE
10:01:07	1307	2347	080056	S3G01, NO FIRE
10:01:28	1308	2348	080056	S3G01, NO FIRE
10:15:07	1346	2386	080056	S3G01, S3G02 NO FIRE
10:15:28	1347	2387	080056	S3G01, NO FIRE
10:23:45	1370	2410	080056	S3G01, NO FIRE
10:32:56	1396	2436	080056	S3G01, S3G02 NO FIRE
10:34:09	1400	2440	080057	Reel Change #080057
10:43:49	1427	2467	080057	S3G02, NO FIRE
10:48:21	1440	2480	080057	S3G01, NO FIRE
10:49:25	1443	2483	080057	S3G01, NO FIRE
10:59:10	1471	2511	080057	S3G01, NO FIRE
10:59:31	1472	2512	080057	S3G01, S3G02 NO FIRE
11:00:33	1475	2515	080057	S3G01, NO FIRE
11:02:17	1480	2520	080057	S3G02, NO FIRE
11:03:19	1483	2523	080057	S3G02, NO FIRE
11:06:25	1492	2532	080057	S3G01, NO FIRE
11:07:07	1494	2534	080057	S3G02, NO FIRE
11:13:40	1513	2553	080057	S3G01, NO FIRE
11:18:36	1527	2567	080057	S3G01, S3G02 NO FIRE
11:21:24	1535	2575	080057	S3G02, NO FIRE
11:26:21	1549	2589	080057	S3G02, NO FIRE
11:33:55	1571	2611	080057	S3G01, S3G02 NO FIRE
11:41:55	1594	2634	080057	S3G01, NO FIRE
11:46:29	1607	2647	080057	S3G04, NO FIRE
11:48:14	1612	2652	080057	S3G01, NO FIRE
11:55:17	1632	2672	080057	S3G01, NO FIRE
12:12:14	1680	2720	080057	S3G01, S3G02 NO FIRE
12:23:13	1712	2752	080057	S3G01, S3G02 NO FIRE
12:50:45	1793	2833	080057	S3G01, S3G02 NO FIRE

12:54:43	1805	2845	080057	S3G01, S3G02 Comm error
13:13:50	1863	2903	080057	S3G01, S3G02 NO FIRE
13:14:10	1864	2904	080057	S3G01, S3G02 NO FIRE
13:19:26	1880	2920	080057	S3G01, S3G02 NO FIRE
13:20:45	1884	2924	080057	S3G01, NO FIRE
13:29:22	1910	2950	080057	S3G01, NO FIRE
13:35:19	1928	2968	080057	S3G01, NO FIRE
13:38:18	1937	2977	080057	S3G01, NO FIRE
13:39:19	1940	2980	080057	S3G01, NO FIRE
13:40:41	1944	2984	080057	S3G02, NO FIRE
13:55:12	1987	3027	080057	S3G01, NO FIRE
14:14:35	2045	3085	080057	S3G01, NO FIRE
14:16:16	2050	3090	080057	S3G01, S3G02 NO FIRE
14:20:59	2064	3104	080057	S3G01, NO FIRE
14:32:28	2100	3140	080058	REEL CHANGE
14:46:04	2122	3162	080058	S3G01, S3G02 NO FIRE
14:50:39	2156	3196	080058	S3G02, NO FIRE
14:50:59	2157	3197	080058	S3G02, NO FIRE
14:51:59	2160	3200	080058	S3G01 Comm error
14:58:27	2180	3220	080058	S3G02, NO FIRE
14:59:07	2182	3222	080058	S3G01, S3G02 NO FIRE
14:59:47	2184	3224	080058	S3G01, S3G02 NO FIRE
15:01:27	2189	3229	080058	S3G01, S3G02 NO FIRE
15:03:29	2195	3235	080058	S3G02, NO FIRE
15:04:31	2198	3238	080058	S3G02, NO FIRE
15:05:13	2200	3240	080058	S3G01, S3G02 NO FIRE
15:09:34	2213	3253	080058	S3G01, S3G02 NO FIRE
15:16:46	2235	3275	080058	S3G01, NO FIRE
15:17:05	2236	3276	080058	S3G01, S3G02 NO FIRE
15:18:22	2240	3280	080058	S3G02, NO FIRE
15:52:45	2346	3386	080058	S3G01, S3G02 NO FIRE
15:53:05	2347	3387	080058	S3G01, S3G02 NO FIRE
15:53:24	2348	3388	080058	S3G01, NO FIRE
15:55:22	2354	3394	080058	S3G01, NO FIRE
16:07:43	2392	3432	080058	S3G01, NO FIRE
16:10:35	2401	3441	080058	S3G01, NO FIRE
16:18:34	2426	3466	080058	S3G01, S3G02 NO FIRE
16:35:45	2478	3518	080058	S3G02, NO FIRE
16:40:31	2492	3532	080058	S3G01, S3G02 NO FIRE
16:42:55	2499	3539	080058	S3G01, NO FIRE
16:46:03	2508	3548	080058	S3G01, S3G02 NO FIRE
16:47:04	2511	3551	080058	S3G10, NO FIRE
16:49:07	2517	3557	080058	S3G01, NO FIRE
16:55:34	2536	3576	080058	S3G01, NO FIRE
17:11:54	2584	3624	080058	S3G01, S3G02 NO FIRE
17:24:55	2622	3662	080058	S3G05, NO FIRE
17:28:43	2633	3673	080058	S3G01, NO FIRE
17:30:46	2639	3679	080058	S3G01, NO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080060	080063	FGSP	1009
SP #	1009	3260	LGSP	3260

Line	MGL0908_12
Sequence	015
Direction	35

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/07/09	07/08/09
Time UTC	19:37:12	07:25:33
Volume (cu in.)	6600	3260
Streamer Depth (m)	9	
Wind (kts)	9.1 SE	16 S
Sea State (ft)	1-3	3-5
Water Depth (m)	2242.0	1127.3

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL 23 59.907N 124 37.309E
 SP 2791 FILE 1783, Retrieving S1 and S2, new volume 3660
 SP2880 FILE 1872, S1 AND S2 ON BOARD
 EOL POS 24 25.95919' N 125 27.39210'E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
19:37:12	1	1009	080060	SOL, REEL CHANGE, S4G04 NO FIRE
19:46:55	31	1039	080060	S3G01 NO FIRE
19:48:04	35	1043	080060	END OF TURN
20:16:46	127	1135	080060	S3G01 NO FIRE
20:22:00	144	1152	080060	S3G01 NO FIRE
20:22:36	146	1154	080060	S3G01 NO FIRE
21:15:28	324	1332	080060	S3G02 NO FIRE
21:37:37	398	1406	080060	S3G04 NO FIRE
21:49:43	436	1444	080060	S3G01 NO FIRE
22:22:42	536	1544	080060	S3G01 NO FIRE
22:35:56	576	1584	080060	S3G01 NO FIRE
23:01:40	654	1662	080060	S3G02 NO FIRE
23:02:39	657	1665	080060	S3G01 NO FIRE
23:16:17	700	1708	080061	Reel Change
23:31:55	748	1756	080061	S3G01, S3G02 NO FIRE
23:42:11	780	1788	080061	S3G01 NO FIRE
23:53:54	816	1824	080061	S3G02 NO FIRE
00:12:25	878	1886	080061	S3G01, S3G02 NO FIRE
00:13:36	882	1890	080061	S3G10 NO FIRE
00:19:08	900	1908	080061	S3G01 NO FIRE
00:34:58	951	1959	080061	S3G01 NO FIRE
00:41:02	971	1979	080061	S3G01 NO FIRE
00:54:22	1014	2022	080061	S2G01, no fire
01:11:40	1071	2079	080061	S3G01 NO FIRE
01:12:50	1075	2083	080061	S3G01 NO FIRE
01:25:21	1117	2125	080061	S3G02 NO FIRE
01:40:16	1166	2174	080061	S3G01 NO FIRE
01:50:06	1198	2206	080061	S3G01 NO FIRE
01:59:15	1228	2236	080061	S3G01 NO FIRE
02:11:36	1268	2276	080061	S3G02 NO FIRE
02:15:48	1282	2290	080061	S3G02 NO FIRE
02:18:27	1290	2298	080061	S3G01 NO FIRE
02:35:11	1345	2353	080061	S3G01 NO FIRE
02:45:13	1378	2386	080061	S3G01 NO FIRE
02:50:15	1395	2403	080061	S3G01 NO FIRE
02:51:41	1400	2408	080062	Reel Change
03:06:06	1448	2456	080062	S3G02 NO FIRE
04:23:56	1710	2718	080062	S3G02 NO FIRE
04:36:54	1753	2761	080062	S3G01 NO FIRE
04:46:19	1783	2791	080062	Retrieving S1 and S2 for maintenance and spare guns, S3G05 and S4G05 enable, new volume 3660
04:53:12	1806	2814	080062	S3G02 NO FIRE
05:14:15	1868	2876	080062	S3G02 NO FIRE
05:15	1872	2880	080062	S1 and S2 onboard
06:00:35	2004	3012	080062	Delta timing error -2.2 ms. S3G02
06:25:19	2077	3085	080062	S3G01, Auto Fire 50988.8 ms
06:33	2100	3108	080063	Reel Change

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080064	080072	FGSP	1051
SP #	1051	6125	LGSP	6125

Line	MGL0908_13
Sequence	016
Direction	180

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/08/09	07/09/09
Time UTC	07:51	22:07
Volume (cu in.)	6600	6420
Streamer Depth (m)	9m	9m
Wind (kts)	19.4 NNW	26@SE
Sea State (ft)	3-4	5-8
Water Depth (m)	1196.6	4908.3

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 24 25.64501 'N 125 29.31104'E
SP 2595-2601 40M JUMP OFF LINE
EOL 22 08.19909N 125 29.93939E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
07:51	1	1051	080064	SOL, Reel 080064
07:54:32	8	1058	080064	S2G01, S4G03 No Fire
07:55:26	10	1060	080064	S4G04 No Fire
07:56:39	13	1063	080064	S4G01 No Fire
07:57:25	15	1065	080064	S4G04 No Fire
07:59:39	21	1071	080064	S2G03 No Fire
08:00:25	23	1073	080064	S2G03 No Fire
08:02:23	28	1078	080064	S4G01 No Fire
08:02:46	29	1079	080064	S4G02 No Fire
08:25:58	88	1138	080064	S3G01 Timing Error
11:08:21	479	1529	080064	S3G02 Timing Error
11:22:30	511	1561	080064	S3G02 Timing Error
12:09:10	615	1665	080064	S1G02, timing error -2.6 ms
12:32:40	667	1717	080064	S4G01 Comm error
12:47:29	700	1750	080065	Reel Change
13:31:05	798	1848	080065	S1G02, delta timing @ -2.1 ms
15:21:28	1054	2104	080065	S1G02, delta timing @ -2.1 ms
15:25:11-36	1066-1067	2113-2114	080065	All Strings no fire due to the error set up
15:32:24	1080	2130	080065	S3G04 No Fire
15:35:54	1088	2138	080065	S2G03 No Fire
15:47:50	1136	2186	080065	S4G01 No Fire
16:00:42	1145	2195	080065	S3G01 No Fire
16:07:49	1161	2211	080065	S3G01 No Fire
16:12:40	1172	2222	080065	S4G03 No Fire
16:14:25	1176	2226	080065	S4G03 No Fire
16:15:46	1179	2229	080065	S4G04 No Fire
16:19:46	1188	2238	080065	S4G02, S4G04 No Fire
16:23:47	1197	2247	080065	S4G01 No Fire
16:25:08	1200	2250	080065	S4G02 No Fire
16:29:47	1210	2260	080065	S3G01 No Fire
16:35:49	1223	2273	080065	S4G04 No Fire
16:39:00	1230	2280	080065	S4G03 No Fire
16:40:52	1234	2284	080065	S4G03 No Fire
16:41:48	1236	2286	080065	S4G03 No Fire
16:43:10	1239	2289	080065	S4G04 No Fire
16:44:33	1242	2292	080065	S3G02 TIME ERROR
16:45:01	1243	2293	080065	S3G02 TIME ERROR
16:51:31	1257	2307	080065	S4G01 No Fire
16:51:58	1258	2308	080065	S2G03 No Fire
16:52:26	1259	2309	080065	S2G03 No Fire
16:55:14	1265	2315	080065	S2G01, S2G04 No Fire
16:59:22	1274	2324	080065	S4G02 No Fire
16:59:49	1275	2325	080065	S4G02 No Fire
17:06:41	1290	2340	080065	S4G04 No Fire
17:07:37	1292	2342	080065	S4G01 No Fire
17:12:43	1303	2353	080065	S4G02 No Fire
17:22:00	1323	2373	080065	S4G02 No Fire

17:22:54	1325	2375	080065	S4G01 No Fire
17:26:10	1332	2382	080065	S2G02 TIMING ERROR
17:26:39	1333	2383	080065	S2G02 No Fire
17:27:07	1334	2384	080065	S2G02 No Fire
17:27:36	1335	2385	080065	S2G02 No Fire
17:28:05	1336	2386	080065	S2G02 No Fire
17:28:35	1337	2387	080065	S2G02 No Fire
17:29:04	1338	2388	080065	S2G02 No Fire
17:29:32	1339	2389	080065	S2G02 No Fire
17:30:02	1340	2390	080065	S2G02 No Fire
17:30:32	1341	2391	080065	S2G02 No Fire
17:31:02	1342	2392	080065	S2G02 No Fire
17:31:31	1343	2393	080065	S2G02 No Fire
17:32:00	1344	2394	080065	S2G02 No Fire
17:32:30	1345	2395	080065	S2G02 No Fire
17:33:29	1347	2397	080065	S1G05, S2G05 Timing error, turn off S2G02 to spare, turn on S1G05, S2G05
17:33:57	1348	2398	080065	S1G05 Timing error
17:38:15	1357	2407	080065	S2G01 No Fire
17:39:13	1359	2409	080065	S4G03 No Fire
17:42:07	1365	2415	080065	S4G03 No Fire
17:45:03	1371	2421	080065	S4G04 No Fire
17:47:00	1375	2425	080065	S2G03 No Fire
17:47:30	1376	2426	080065	S4G04 No Fire
17:50:01	1381	2431	080065	S4G02 No Fire
17:59:57	1400	2450	080066	Reel Change #080066
18:06:37	1414	2464	080066	S4G02 No Fire
18:10:10	1421	2471	080066	S4G04 No Fire
18:10:41	1422	2472	080066	S4G01 No Fire
18:13:14	1427	2477	080066	S2G06 No Fire
18:19:31	1439	2489	080066	S3G01 No Fire
18:25:06	1450	2500	080066	S4G04 No Fire
18:25:36	1451	2501	080066	S4G03 No Fire
18:26:37	1453	2503	080066	S4G04 No Fire
18:28:36	1457	2507	080066	S4G04 No Fire
18:35:45	1471	2521	080066	S4G04 No Fire
18:36:45	1473	2523	080066	S4G03 No Fire
18:38:15	1476	2526	080066	S4G02 No Fire
18:40:14	1480	2530	080066	S2G01, S4G04 No Fire
18:42:47	1485	2535	080066	S4G01 No Fire
18:49:24	1498	2548	080066	S3G01 No Fire
18:54:04	1507	2557	080066	S4G03, S4G04 No Fire
18:54:34	1508	2558	080066	S3G01 No Fire
18:58:42	1516	2566	080066	S4G04 No Fire
19:13:39	1545	2595	080066	SP 2595-2601 40m JUMP OFF LINE
19:17:22	1552	2602	080066	SP NO JUMP
19:25:42	1568	2618	080066	S3G01, S4G02 No Fire
19:33:08	1582	2632	080066	60 HZ NOISE
19:38:56	1593	2643	080066	S4G04 No Fire

20:00:33	1634	2684	080066	S4G04 No Fire
20:02:45	1638	2688	080066	S4G02, S4G04 No Fire
20:03:50	1640	2690	080066	S4G01 No Fire
20:09:07	1650	2700	080066	S4G02 No Fire
20:12:15	1656	2706	080066	S4G02 No Fire
20:17:28	1666	2716	080066	S4G01 No Fire
20:18:29	1668	2718	080066	S4G03 No Fire
20:21:00	1673	2723	080066	S4G04 No Fire
20:21:31	1674	2724	080066	S3G01 No Fire
20:33:50	1698	2748	080066	S4G01 No Fire
20:39:04	1708	2758	080066	S4G01 No Fire
20:46:50	1723	2773	080066	S4G02, S4G03 No Fire
20:55:52	1741	2791	080066	S3G02 No Fire
20:58:55	1747	2797	080066	S4G01 No Fire
21:21:22	1792	2842	080066	S4G03 No Fire
21:24:47	1799	2849	080066	S4G04 No Fire
21:29:07	1808	2858	080066	S4G03 No Fire
21:36:39	1823	2873	080066	S4G03 No Fire
21:39:35	1829	2879	080066	S4G04 No Fire
21:43:34	1837	2887	080066	S2G01 No Fire
21:45:02	1840	2890	080066	S4G04 No Fire
21:53:17	1857	2907	080066	S4G02 No Fire
21:54:50	1860	2910	080066	S4G01 No Fire
21:57:46	1866	2916	080066	S4G02, S4G03 No Fire
22:12:30	1896	2946	080066	S4G02 No Fire
22:13:55	1899	2949	080066	S4G04 No Fire
22:18:15	1908	2958	080066	S4G04 No Fire
22:19:13	1910	2960	080066	S4G04 No Fire
22:30:35	1933	2983	080066	S4G02 No Fire
22:37:29	1947	2997	080066	S4G03 No Fire
22:42:48	1958	3008	080066	S3G01 No Fire
22:43:17	1959	3009	080066	S4G04 No Fire
22:44:17	1961	3011	080066	S4G02 No Fire
22:46:54	1966	3016	080066	S3G01, S3G02, S4G01 No Fire
22:50:40	1974	3024	080066	S4G01 No Fire
22:55:30	1984	3034	080066	S4G04 No Fire
22:58:30	1990	3040	080066	S4G04 No Fire
23:02:25	1998	3048	080066	S4G02, S4G03 No Fire
23:05:57	2005	3055	080066	S3G02 No Fire
23:31:02	2055	3105	080066	S3G02 No Fire
23:44:54	2082	3132	080066	S3G01 No Fire
23:45:25	2083	3133	080066	S4G03 No Fire
23:46:24	2085	3135	080066	S4G02 No Fire
23:52:50	2098	3148	080066	S4G01 No Fire
23:53:49	2100	3150	080066	S4G04 No Fire, Reel Change
23:56:20	2105	3155	080067	S4G02 No Fire
00:02:49	2118	3168	080067	S4G01, S4G03 No Fire
00:03:19	2119	3169	080067	S4G01, S4G04 No Fire

00:04:49	2122	3172	080067	S4G01, S4G04 No Fire
00:05:23	2123	3173	080067	S4G02 No Fire
00:06:30	2125	3175	080067	S4G04 No Fire
00:09:11	2130	3180	080067	S4G03 No Fire
00:012:52	2137	3187	080067	S4G04 No Fire
00:13:57	2139	3189	080067	S3G02, S4G04 No Fire
00:15:04	2141	3191	080067	S3G01 No Fire
00:15:37	2142	3192	080067	S4G01 No Fire
00:16:08	2143	3193	080067	S4G04 No Fire
00:22:45	2156	3206	080067	S4G04 No Fire
00:02:47	2159	3209	080067	S4G03 No Fire
00:26:50	2164	3214	080067	S3G01 No Fire
00:34:54	2180	3230	080067	S4G03 No Fire
00:36:25	2183	3233	080067	S4G04 No Fire
00:45:01	2200	3250	080067	S4G02 No Fire
00:56:24	2222	3272	080067	S4G04 No Fire
01:00:34	2230	3280	080067	S4G02 No Fire
01:01:36	2232	3282	080067	S4G02 No Fire
01:02:38	2234	3284	080067	S4G01 No Fire
01:16:19	2241	3291	080067	S4G04 No Fire
01:11:58	2252	3302	080067	S4G03 No Fire
01:12:58	2254	3304	080067	S4G04 No Fire
01:16:51	2262	3312	080067	S4G04 No Fire
01:19:15	2267	3317	080067	S2G05 No Fire
01:22:38	2274	3324	080067	S4G02 No Fire
01:24:10	2277	3327	080067	S4G03 No Fire
01:36:46	2292	3342	080067	S3G02 No Fire
01:34:44	2298	3348	080067	S4G02 No Fire
01:58:41	2347	3397	080067	S4G02 No Fire
01:59:38	2349	3399	080067	S4G02 No Fire
02:04:25	2359	3409	080067	S4G04 No Fire
02:06:50	2364	3414	080067	S4G01, S4G03 No Fire
02:08:17	2367	3417	080067	S3G02, s4G04 No Fire
02:09:14	2369	3419	080067	S3G01 No Fire
02:10:41	2372	3422	080067	S4G01 No Fire
02:15:09	2381	3431	080067	S2G03, S4G01 No Fire
02:17:09	2385	3435	080067	S4G01 No Fire
02:17:39	2386	3436	080067	S4G03 No Fire
02:18:39	2388	3438	080067	S4G03 No Fire
02:22:39	2396	3446	080067	S4G03 No Fire
02:23:40	2398	3448	080067	S4G04 No Fire
02:26:09	2403	3453	080067	S4G01 No Fire
02:27:38	2406	3456	080067	S3G02 No Fire
02:33:09	2417	3467	080067	S4G02 No Fire
02:36:05	2423	3473	080067	S3G01, S3G02 No Fire
02:38:05	2427	3477	080067	S3G01 No Fire
02:38:34	2428	3478	080067	S4G04 No Fire
02:41:00	2433	3483	080067	S3G02 No Fire

02:46:54	2445	3495	080067	S4G04 No Fire
02:47:54	2447	3497	080067	S3G02 No Fire
02:56:29	2465	3515	080067	S4G03 No Fire
02:57:25	2467	3517	080067	S4G02 No Fire
02:59:17	2471	3521	080067	S4G01 No Fire
03:00:39	2474	3524	080067	S4G02 No Fire
03:02:34	2478	3528	080067	S4G03 No Fire
03:03:30	2480	3530	080067	S4G04 No Fire
03:04:25	2482	3532	080067	S3G01, S3G03 No Fire
03:05:48	2485	3535	080067	String 4 no fire, changed to secondary comm to avoid future no fires
03:11:58	2498	3548	080067	S3G02 No Fire
03:16:58	2508	3558	080067	S3G02 No Fire
03:26:42	2528	3578	080067	S3G02 No Fire
03:44:07	2564	3614	080067	S2G03 No Fire
03:46:05	2568	3618	080067	S3G01, S3G02 No Fire
03:49:34	2575	3625	080067	S3G01 No Fire
03:51:33	2579	3629	080067	S3G02 No Fire
03:59:20	2595	3645	080067	S3G02 No Fire
04:00:47	2598	3648	080067	S3G02 No Fire
04:08:30	2614	3664	080067	S3G02 No Fire
04:12:42	2623	3673	080067	S3G02 No Fire
04:16:25	2631	3681	080067	S3G02 No Fire
04:17:20	2633	3683	080067	S3G02 No Fire
04:29:45	2660	3710	080067	S2G03 No Fire
04:41:08	2685	3735	080067	S3G02 No Fire
04:42:56	2689	3739	080067	S3G02 No Fire
04:49:14	2703	3753	080067	S3G01 No Fire
04:52:24	2710	3760	080067	S3G02 No Fire
04:53:18	2712	3762	080067	S3G02 No Fire
05:00:29	2728	3778	080067	S3G02 No Fire
05:07:22	2734	3784	080067	S3G02 No Fire
05:03:50	2735	3785	080067	S3G02 No Fire
05:04:20	2736	3786	080067	S3G02 No Fire
05:20:05	2772	3822	080067	S3G02 No Fire
05:32:52	2801	3851	080068	Reel Change
05:39:11	2815	3865	080068	S3G02 No Fire
05:40:53	2819	3869	080068	S3G02 No Fire
06:08:28	2886	3936	080068	S3G02 No Fire
06:23:19	2924	3974	080068	S2G01 No Fire, S4G09 timing error
06:23:42	2925	3975	080068	S3G02 No Fire
06:25:13	2929	3979	080068	S4G09 timing error
06:29:30	2940	3990	080068	S3G02 No Fire
06:32:10	2947	3997	080068	S3G02 No Fire
06:33:25	2950	4000	080068	S3G02 No Fire
06:33:48	2951	4001	080068	S3G02 No Fire
06:37:02	2959	4009	080068	S1G02 Timing error
06:48:30	2987	4037	080068	S1G02 Delta Timing at -2.1ms
06:52:35	2997	4047	080068	S2G05 No Fire

06:54:52	3013	4063	080068	S3G02 No Fire
06:56:45	3018	4068	080068	S3G02 No Fire
07:05:39	3032	4082	080068	S3G02 No Fire
07:12:04	3049	4099	080068	Whole String 2 No Fire -intermittent sea noise visible on records
07:12:28	3050	4100	080068	S3G02 No Fire
07:13:43	3053	4103	080068	S3G02 No Fire
07:20:50	3071	4121	080068	S3G02 No Fire
07:22:48	3076	4126	080068	S3G02 No Fire
07:25:44	3083	4133	080068	S2G01, S2G03 No Fire
07:26:08	3084	4134	080068	S2G05 No Fire
07:27:47	3088	4138	080068	S3G02 No Fire
07:38:25	3114	4164	080068	S3G01 No Fire
07:41:35	3122	4172	080068	S3G02 No Fire
07:45:29	3132	4182	080068	S3G01 No Fire
07:47:05	3136	4186	080068	S2G01 No Fire
08:01:13	3172	4222	080068	S3G02 No Fire
08:11:54	3199	4249	080068	S2G05 Disabled, New Volume = 6420
08:36:35	3262	4312	080068	S3G02 No Fire
08:46:19	3287	4337	080068	S3G01 No Fire
08:57:26	3316	4366	080068	S1G02 Timing error
09:26:34	3391	4441	080068	S4G01 Timing error
09:42:47	3431	4481	080068	S3G02 No Fire
10:11:48	3501	4551	080069	Reel Change
11:12:54	3646	4696	080069	S3G01 No Fire
12:07:14	3770	4820	080069	S3G02 No Fire
12:24:30	3808	4858	080069	S3G02 No Fire
12:31:26	3822	4872	080069	S2G01 No Fire
12:54:47	3869	4919	080069	S3G02 No Fire
13:04:42	3889	4939	080069	S3G02 No Fire
13:09:15	3898	4948	080069	S4G09, delta timing at -2.3 ms
13:10:45	3901	4951	080069	S4G09, delta timing at -2.7 ms
13:11:16	3902	4952	080069	S4G09, delta timing at -2.7 ms
13:37:55	3955	5005	080069	S3G02 No Fire
13:44:49	3970	5020	080069	S3G02 No Fire
13:52:15	3985	5035	080069	S3G02 No Fire
13:57:44	3996	5046	080069	S3G02 No Fire
14:18:05	4036	5086	080069	S3G02 No Fire
14:38:32	4079	5129	080069	S3G02 No Fire
14:49:24	4098	5148	080069	S3G02 No Fire
15:02:12	4125	5175	080069	S3G02 No Fire
15:13:07	4147	5197	080069	S3G02 No Fire
15:13:36	4148	5198	080069	S3G02 No Fire
15:20:29	4162	5212	080069	S3G02 No Fire
15:22:25	4166	5216	080069	S3G02 Delta timing at 2.4ms
15:29:57	4181	5231	080069	S3G02 No Fire
15:32:58	4187	5237	080069	S3G02 No Fire
15:39:18	4200	5250	080070	REEL CHANGE
15:43:50	4209	5259	080070	S3G01 No Fire

15:46:10	4214	5264	080070	S3G02 No Fire
15:56:33	4236	5286	080070	S4G09 Delta timing at -2.6ms
16:01:45	4247	5297	080070	S3G02 No Fire, S4G09 Delta timing at -2.6ms
16:07:23	4259	5309	080070	S3G02 No Fire
16:08:17	4261	5311	080070	S3G02 Delta timing at 2.3ms
16:08:47	4262	5312	080070	S3G02 No Fire
16:10:41	4266	5316	080070	S3G02 No Fire
16:11:36	4268	5318	080070	S3G02 No Fire
16:12:57	4271	5321	080070	S3G02 No Fire
16:21:55	4290	5340	080070	S2G03 No Fire
16:27:55	4303	5353	080070	S2G01 No Fire
16:29:15	4306	5356	080070	S3G02 No Fire
16:29:40	4307	5357	080070	S3G01, S3G02 No Fire
16:32:28	4313	5363	080070	S3G02 No Fire
16:39:53	4329	5379	080070	S3G01 No Fire
16:50:54	4353	5403	080070	S1G02 Timing error
16:51:20	4354	5404	080070	S1G02 Timing error
16:55:25	4363	5413	080070	S3G02 No Fire
16:55:53	4364	5414	080070	S3G02 No Fire
16:59:06	4371	5421	080070	S2G04 No Fire
17:03:38	4381	5431	080070	S3G02 Timing Error
17:08:10	4391	5441	080070	S3G02 No Fire
17:11:25	4398	5448	080070	S3G02 No Fire
17:13:40	4403	5453	080070	S3G02 No Fire
17:14:08	4404	5454	080070	S3G01, S3G02 No Fire
17:21:57	4421	5471	080070	S3G02 No Fire
17:22:26	4422	5472	080070	S3G02 No Fire
17:23:23	4424	5474	080070	S3G02 No Fire
17:24:50	4427	5477	080070	S3G02 No Fire
17:38:02	4455	5505	080070	S3G02 No Fire
17:42:42	4465	5515	080070	S2G01 No Fire
17:51:01	4483	5533	080070	S3G02 No Fire
17:59:19	4501	5551	080070	S2G01 No Fire
18:01:37	4506	5556	080070	S2G01, S2G02, S2G04, S2G05, S2G06 Comm Error
18:02:30	4508	5558	080070	S3G02 No Fire
18:04:19	4512	5562	080070	S3G03, S3G04, S3G08 No Fire
18:05:11	4514	5564	080070	S2G04 No Fire
18:09:55	4525	5575	080070	S3G02 No Fire
18:10:22	4526	5576	080070	S3G02 No Fire
18:11:17	4528	5578	080070	S3G02 No Fire
18:17:45	4542	5592	080070	S2G01 No Fire
18:20:11	4547	5597	080070	S3G02 No Fire
18:20:38	4948	5998	080070	S2G01 No Fire
18:22:03	4551	5601	080070	S2G01, S2G07 No Fire
18:22:59	4553	5603	080070	S2G03, S2G04 No Fire
18:23:26	4554	5604	080070	S3G01 No Fire
18:24:51	4557	5607	080070	S2G03 No Fire
18:26:13	4560	5610	080070	S2G01 No Fire

18:27:07	4562	5612	080070	S2G04 No Fire
18:28:04	4564	5614	080070	S3G02 No Fire
18:28:32	4565	5615	080070	S2G04, S2G09, S2G10 No Fire
18:29:00	4566	5616	080070	S2G01, S2G03, S2G04, S2G07, S2G08 No Fire
18:30:24	4569	5619	080070	S2G01 No Fire
18:30:53	4570	5620	080070	S2G04, S2G06 No Fire
18:32:17	4573	5623	080070	S3G02 No Fire
18:32:46	4574	5624	080070	S2G06, S3G02 No Fire
18:33:15	4575	5625	080070	String 3 no fire, changed to secondary comm to avoid future no fires
18:33:43	4576	5626	080070	S2G01 No Fire
18:34:11	4577	5627	080070	S2G01 No Fire
18:36:07	4581	5631	080070	S3G01-S3G03 No Fire
18:37:03	4583	5633	080070	S3G02-S3G03 No Fire
18:38:28	4586	5636	080070	S3G10 No Fire
18:38:57	4587	5637	080070	S2G03, S2G04 No Fire
18:39:53	4589	5639	080070	S3G02 No Fire
18:40:22	4590	5640	080070	S3G02 No Fire
18:40:51	4591	5641	080070	S2G01, S3G01, S3G03 No Fire
18:43:17	4596	5646	080070	S2G08, S3G02 No Fire
18:45:11	4600	5650	080070	String 3 No fire
18:46:07	4602	5652	080070	S2G01-S3G04 No Fire
18:46:35	4603	5653	080070	S3G02 No Fire
18:58:58	4630	5680	080070	S2G01, S2G10, S3G02 No Fire
19:00:52	4634	5684	080070	S2G01, S2G03 No Fire
19:01:19	4635	5685	080070	S2G06 No Fire
19:01:45	4636	5686	080070	S2G09, S2G10 No Fire
19:03:04	4639	5689	080070	S2G01 No Fire
19:03:31	4640	5690	080070	S2G03, S2G04 No Fire
19:06:11	4646	5696	080070	S2G04, S2G09 No Fire
19:08:53	4652	5702	080070	S3G02 Delta Timing at -2.4 ms
19:10:17	4655	5705	080070	S3G10 No Fire
19:12:03	4659	5709	080070	S2G01, S2G03, S2G04 No Fire
19:12:30	4660	5710	080070	S2G01 No Fire
19:13:49	4663	5713	080070	S3G01 No Fire
19:17:23	4671	5721	080070	S2G04 No Fire
19:19:40	4676	5726	080070	S2G01, S2G06 No Fire
19:25:46	4690	5740	080070	S2G01, S2G03, S2G04 No Fire
19:27:06	4693	5743	080070	S2G03 No Fire
19:30:39	4701	5751	080070	S3G02 No Fire
19:35:04	4711	5761	080070	S3G02 No Fire
19:39:32	4721	5771	080070	S3G01 No Fire
19:44:37	4732	5782	080070	S2G01 No Fire
19:51:20	4747	5797	080070	S3G01 No Fire
19:54:49	4755	5805	080070	S3G01, S3G02 No Fire
20:00:08	4767	5817	080070	S2G01, S2G04 No Fire
20:04:04	4776	5826	080070	S2G09, S2G10 No Fire
20:04:58	4778	5828	080070	S2G01, S2G04 No Fire
20:11:43	4794	5844	080070	S3G01 No Fire

20:15:45	4803	5853	080070	S2G08 No Fire
20:16:12	4804	5854	080070	S3G02 No Fire
20:16:40	4805	5855	080070	S2G01 No Fire
20:17:36	4807	5857	080070	S2G01 No Fire
20:18:03	4808	5858	080070	S2G01 Timing Error
20:25:35	4825	5875	080070	S2G04 No Fire
20:26:02	4826	5876	080070	S2G04 No Fire
20:30:07	4835	5885	080070	S2G07 No Fire
20:31:58	4839	5889	080070	S2G09, S2G10 No Fire
20:35:35	4847	5897	080070	S3G02 No Fire
20:39:00	4855	5905	080070	S2G01, S2G04, S2G06 No Fire
20:42:28	4863	5913	080070	S3G01 No Fire
20:58:33	4901	5951	080071	REEL CHANGE
21:34:52	4988	6038	080071	S3G01 No Fire
21:55:05	5041	6091	080071	S3G02 No Fire
21:55:48	5043	6093	080071	S2G04 No Fire
22:02:49	5061	6111	080071	S2G01, S2G04 No Fire
22:03:12	5063	6113	080071	S3G01 No Fire
22:05:07	5068	6118	080071	S2G03 No Fire
22:05:29	5069	6119	080071	S2G01 No Fire
22:05:51	5070	6120	080071	S2G03 No Fire
22:06:57	5073	6123	080071	S2G06 No Fire
22:07	5075	6125	080071	EOL

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080072	080077	FGSP	1060
SP #	1060	4955	LGSP	4955

Line	MGL0908_14
Sequence	017
Direction	210

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/09/09	07/10/09
Time UTC	22:28:49	21:39
Volume (cu in.)	5310	5130
Streamer Depth (m)	9	9
Wind (kts)	SE@20	SW@13
Sea State (ft)	4-6	3-5
Water Depth (m)	5004.8	5761.6

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 22 06.83151 N, 125 29.12908 E
Start of line with only 3 Sources Firing(1, 3, 4) vol 5310
EOL POS 20 35.73238 N, 124 32.25418 E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
22:58:51	1	1060	080072	SOL (Strings 1, 3 and 4 enabled), S3G05 No Fire, S4G05 Timing Error
22:29:15	2	1061	080072	S3G05 No Fire, S4G05 Timing Error
22:29:40	3	1062	080072	S3G05 No Fire
22:30:06	4	1063	080072	S3G05 No Fire
22:30:32	5	1064	080072	S3G05 No Fire
22:30:58	6	1065	080072	S3G05 No Fire
22:31:22	7	1066	080072	S3G02, No Fire, S3G05 Disabled, New Volume = 5310
22:43:18	38	1097	080072	S3G02 Timing Error
22:50:33	57	1116	080072	S3G01 No Fire
23:08:15	104	1163	080072	S3G02 No Fire
23:10:10	109	1168	080072	S3G02 No Fire
23:17:38	129	1188	080072	S3G01 No Fire
23:35:03	176	1235	080072	S3G02 No Fire
23:37:17	182	1241	080072	S3G02 No Fire
23:38:02	184	1243	080072	S3G02 No Fire
23:46:41	208	1267	080072	S4G01 No Fire
23:51:07	220	1279	080072	S3G01 No Fire
23:55:31	232	1291	080072	S3G02 No Fire
00:10:18	273	1332	080072	S3G01 No Fire
00:17:51	294	1353	080072	S3G05 enabled, new volume = 5490
00:18:16	295	1354	080072	S3G05 timing error @ 2.5 ms
00:19:46	299	1358	080072	S3G02 No Fire
00:25:28	316	1375	080072	S3G02 No Fire
00:26:43	318	1377	080072	S3G01 No Fire
00:31:45	332	1391	080072	S3G02 No Fire
00:35:15	342	1401	080072	S3G02 No Fire
00:52:48	393	1452	080072	S3G01 No Fire
00:53:46	396	1455	080072	S4G01 timing error @ 2.2 ms
01:04:14	428	1487	080072	S3G02 No Fire
01:13:51	458	1517	080072	S3G02 No Fire
01:16:40	467	1526	080072	S3G01 No Fire
01:18:48	474	1533	080072	S3G01 No Fire
01:19:03	475	1534	080072	S3G02 No Fire
01:31:06	514	1573	080072	S3G01 No Fire
01:31:43	516	1575	080072	S3G02 No Fire
01:40:00	543	1602	080072	S1G02, timing error @ -3.3 ms
01:40:18	544	1603	080072	S1G02, timing error @ 2.9 ms
01:46:37	565	1624	080072	S3G01 No Fire
01:48:59	573	1632	080072	S1G02, timing error @ 2.2 ms
01:50:44	579	1638	080072	S3G02, timing error @ -2.3 ms
02:17:40	669	1728	080072	S3G01 No Fire
02:26:54	700	1759	080073	REEL CHANGE
02:33:31	722	1781	080073	S4G01 timing error @ 2.1 ms
02:45:30	762	1821	080073	S1G02, timing error @ -2.8ms
02:45:48	763	1822	080073	S1G02, timing error @ 2.1 ms
02:49:06	774	1833	080073	S3G01 S3G02 No Fire
02:50:35	779	1838	080073	S3G01 No Fire

02:51:45	783	1842	080073	S3G01 S3G02 No Fire
02:58:04	804	1863	080073	S3G01 S3G02 No Fire
02:58:40	806	1865	080073	S3G01 S3G02 No Fire
02:59:52	810	1869	080073	S3G01 No Fire
03:03:11	821	1880	080073	S3G01 No Fire
03:05:17	828	1887	080073	S3G02 No Fire
03:13:14	854	1913	080073	S1G02, timing error @ -2.3ms
03:16:01	863	1922	080073	S3G01 S3G02 No Fire
03:21:16	880	1939	080073	S3G02 No Fire
03:21:54	882	1941	080073	S4G01 timing error @ 2.1 ms
03:37:12	932	1991	080073	S3G02 No Fire
03:46:06	961	2020	080073	S3G02 No Fire
03:46:44	963	2022	080073	S3G02 No Fire
03:55:05	990	2049	080073	S3G02 No Fire
03:57:36	998	2057	080073	S3G01 No Fire
03:57:54	999	2058	080073	S3G02 No Fire
03:58:51	1002	2061	080073	S3G02 No Fire
03:59:28	1004	2063	080073	S3G02 No Fire
03:59:47	1005	2064	080073	S3G01 S3G02 No Fire
04:02:15	1013	2072	080073	S3G01 No Fire
04:09:17	1036	2095	080073	S3G01 No Fire, S4G01 Delta Timing at -2.2ms
04:09:53	1038	2097	080073	S3G01 No Fire
04:10:31	1040	2099	080073	S3G02 No Fire
04:13:20	1049	2108	080073	S3G01, S3G02 No Fire
04:16:27	1059	2118	080073	S3G02 No Fire
04:17:23	1062	2121	080073	S3G01 No Fire
04:18:00	1064	2123	080073	S3G02 No Fire
04:18:56	1067	2126	080073	S3G02 No Fire
04:19:15	1068	2127	080073	S3G01 No Fire
04:20:09	1071	2130	080073	S3G02 No Fire
04:23:53	1083	2142	080073	S3G02 No Fire
04:25:06	1087	2146	080073	S3G01 No Fire
04:26:20	1091	2150	080073	S3G02 No Fire
04:29:48	1102	2161	080073	S3G02 No Fire
04:34:14	1116	2175	080073	S3G01, S3G02 No Fire
04:41:40	1140	2199	080073	S1G02, timing error @ -2.1ms
04:55:22	1183	2242	080073	S1G02, timing error @ -2.2ms
05:03:42	1210	2269	080073	S3G01, S3G02 No Fire
05:05:50	1217	2276	080073	S3G01, S3G02 No Fire
05:28:00	1286	2345	080073	S3G02 No Fire
05:55:07	1369	2428	080073	S3G01 No Fire
05:59:46	1383	2442	080073	S3G02 No Fire
06:00:06	1384	2443	080073	S3G01, S3G02 No Fire
06:00:47	1386	2445	080073	S3G02 No Fire
06:03:27	1394	2453	080073	S3G02 No Fire
06:05:07	1399	2458	080073	S3G01, S3G02 No Fire
06:05:22	1400	2459	080074	REEL CHANGE #080074
06:07:56	1407	2466	080074	S3G02 No Fire

06:11:16	1417	2476	080074	S3G02 No Fire
06:12:55	1422	2481	080074	S3G02 No Fire
06:19:32	1442	2501	080074	S4G09, S4G10 COMM ERROR, SP 2501- SP 2509
06:22:36	1451	2510	080074	WHOLE S4 NO FIRE
06:23:39	1454	2513	080074	S3G02, S4G01, S4G05 NO FIRE
06:24:00	1455	2514	080074	S4G05 NO FIRE
06:24:20	1456	2515	080074	WHOLE S4 NO FIRE
06:24:41	1457	2516	080074	WHOLE S4 NO FIRE
06:26:01	1461	2520	080074	S3G02 Timing Error
06:31:43	1478	2537	080074	S3G01 No Fire
06:37:57	1496	2555	080074	S3G02 No Fire
06:49:34	1529	2588	080074	S3G01, S3G02 No Fire
06:52:24	1537	2596	080074	S3G02, No Fire
07:01:48	1563	2622	080074	S3G02, No Fire
07:04:41	1571	2630	080074	S3G02 Timing Error
07:06:08	1575	2634	080074	S3G02, No Fire
07:14:45	1599	2658	080074	S3G02, No Fire
07:21:01	1616	2675	080074	S3G02, No Fire
07:22:28	1620	2679	080074	S3G02, No Fire
07:22:49	1621	2680	080074	S3G02, No Fire
07:41:08	1672	2731	080074	S3G02 Timing Error
07:46:09	1686	2745	080074	S3G02, No Fire
07:46:31	1687	2746	080074	S3G02, No Fire
07:47:38	1690	2749	080074	S3G02, No Fire
07:48:00	1691	2750	080074	S3G02, No Fire
07:49:48	1696	2755	080074	S3G02, No Fire
07:53:52	1707	2766	080074	S3G02, No Fire
07:56:27	1714	2773	080074	S3G02 Timing Error
07:57:57	1718	2777	080074	S03G01, S3G02, No Fire
07:59:28	1722	2781	080074	S3G02, No Fire
08:00:57	1726	2785	080074	S3G02, No Fire
08:02:49	1731	2790	080074	S3G02, No Fire
08:04:16	1735	2794	080074	S3G02 Timing Error
08:07:14	1743	2802	080074	S3G02, No Fire
08:10:41	1752	2811	080074	S3G02, No Fire
08:14:44	1763	2822	080074	S3G02, No Fire
08:15:28	1765	2824	080074	S3G02, No Fire
08:24:03	1788	2847	080074	S3G01, No Fire
08:25:32	1792	2851	080074	S3G01, No Fire
08:26:38	1795	2854	080074	S3G01, No Fire
08:28:06	1799	2858	080074	S3G02, No Fire
08:29:12	1802	2861	080074	S3G02, No Fire
08:38:58	1828	2887	080074	S3G02, No Fire
08:46:07	1847	2906	080074	S3G02, No Fire
08:49:01	1855	2914	080074	S3G02, No Fire
08:55:42	1873	2932	080074	S3G02, No Fire
09:04:26	1897	2956	080074	S3G01, No Fire
09:05:33	1900	2959	080074	S3G02, No Fire

09:07:01	1904	2963	080074	S3G02, No Fire
09:07:24	1905	2964	080074	S03G01, S3G02, No Fire
09:11:49	1917	2976	080074	S3G02, No Fire
09:14:09	1923	2982	080074	S3G02, No Fire
09:19:12	1937	2996	080074	S3G02, No Fire
09:23:58	1950	3009	080074	S1G01, No Fire
09:24:20	1951	3010	080074	S1G01, No Fire
09:24:42	1952	3011	080074	S3G02, No Fire
09:25:02	1953	3012	080074	S1G01, No Fire
09:25:24	1954	3013	080074	S1G01, No Fire
09:25:45	1955	3014	080074	S1G01, No Fire
09:27:11	1959	3018	080074	S1G01, No Fire
09:27:32	1960	3019	080074	S1G01, No Fire
09:27:53	1961	3020	080074	S1G01, No Fire
09:28:14	1962	3021	080074	S1G01, No Fire
09:28:36	1963	3022	080074	S1G01, No Fire
09:28:59	1964	3023	080074	S1G01, No Fire
09:29:23	1965	3024	080074	S1G01, No Fire
09:29:46	1966	3025	080074	S1G01, No Fire
09:30:09	1967	3026	080074	S1G01, No Fire
09:30:31	1968	3027	080074	S1G01, No Fire
09:30:54	1969	3028	080074	S1G01, No Fire
09:31:15	1970	3029	080074	S1G01, No Fire
09:31:59	1972	3031	080074	S1G01, No Fire
09:32:21	1973	3032	080074	S1G01, No Fire
09:32:42	1974	3033	080074	S1G01, No Fire
09:33:04	1975	3034	080074	S1G01, No Fire
09:33:26	1976	3035	080074	S1G01, No Fire
09:33:48	1977	3036	080074	S1G01, No Fire
09:34:10	1978	3037	080074	S1G01, No Fire
09:34:32	1979	3038	080074	S1G01,S3G02, No Fire
09:34:55	1980	3039	080074	S1G01, No Fire; S3G02, Timing error
09:35:17	1981	3040	080074	S1G01,S3G02, Timing error
09:35:40	1982	3041	080074	S3G01, No Fire
09:36:03	1983	3042	080074	S3G01, No Fire
09:36:26	1984	3043	080074	S3G01, Timing error; S3G02 No Fire
09:38:19	1989	3048	080074	S3G02 No Fire
09:42:28	2000	3059	080074	S3G02 No Fire
09:46:26	2011	3070	080074	S3G02 No Fire
09:48:16	2016	3075	080074	S1G01, No Fire
09:48:39	2017	3076	080074	S3G02 No Fire
09:49:01	2018	3077	080074	S1G01, S3G01 No Fire
09:49:23	2019	3078	080074	S1G01, No Fire
09:49:46	2020	3079	080074	S1G01, No Fire
09:50:08	2021	3080	080074	S1G01, No Fire
09:50:30	2022	3081	080074	S3G01 No Fire
09:54:11	2032	3091	080074	S3G02 No Fire
09:57:56	2042	3101	080074	S3G01 No Fire

09:58:19	2043	3102	080074	S3G02 No Fire
09:59:27	2046	3105	080074	S3G02 No Fire
10:00:56	2050	3109	080074	S3G02 No Fire
10:03:10	2056	3115	080074	S3G02 No Fire
10:05:21	2062	3121	080074	S3G02 No Fire
10:06:06	2064	3123	080074	S3G02 No Fire
10:08:41	2071	3130	080074	S3G02 No Fire
10:13:01	2083	3142	080074	S3G02 No Fire
10:16:34	2093	3152	080074	S3G02 No Fire
10:17:38	2096	3155	080074	S3G02 No Fire
10:18:59	2100	3159	080075	Reel Change
10:19:27	2101	3160	080075	S3G02 No Fire
10:19:48	2102	3161	080075	S3G02 No Fire
10:44:41	2170	3229	080075	S3G02 No Fire
10:45:04	2171	3230	080075	S3G02 No Fire
10:48:06	2181	3240	080075	S3G02 No Fire
10:49:08	2182	3241	080075	S3G02 No Fire
10:52:30	2191	3250	080075	S3G02 No Fire
11:01:08	2215	3274	080075	S3G02 No Fire
11:03:13	2220	3279	080075	S3G02 No Fire
11:03:36	2221	3280	080075	S3G01 No Fire
11:05:29	2226	3285	080075	S3G02 No Fire
11:08:04	2233	3292	080075	S3G01 No Fire
11:09:56	2238	3297	080075	S3G02 No Fire
11:12:34	2245	3304	080075	S3G01, S3G02 No Fire
11:15:15	2252	3311	080075	S3G02 No Fire
11:16:23	2255	3314	080075	S3G02 No Fire
11:19:03	2262	3321	080075	S3G02 No Fire
11:24:35	2277	3336	080075	S3G02 No Fire
11:25:42	2280	3339	080075	S4G09 Timing Error
11:26:29	2282	3341	080075	S3G02 No Fire
11:30:35	2293	3352	080075	S3G02 No Fire
11:32:03	2297	3356	080075	S3G02 No Fire
11:35:25	2306	3365	080075	S3G01, No Fire
11:35:48	2307	3366	080075	S3G01, No Fire
11:37:41	2312	3371	080075	S3G02 No Fire
11:39:52	2318	3377	080075	S3G02 No Fire
11:40:14	2319	3378	080075	S3G01, No Fire
11:41:20	2322	3381	080075	S3G02 No Fire
11:41:43	2323	3382	080075	S3G01, S3G02 No Fire
11:43:34	2328	3387	080075	S3G02 No Fire
11:43:58	2329	3388	080075	S3G02 No Fire
11:44:20	2330	3389	080075	S3G01, S3G02 No Fire
11:45:49	2334	3393	080075	S3G02 No Fire
11:46:56	2337	3396	080075	S3G02 No Fire
11:47:40	2339	3398	080075	S3G01, No Fire
11:48:25	2341	3400	080075	S3G02 No Fire
11:50:39	2347	3406	080075	S3G02 No Fire

11:52:30	2352	3411	080075	S3G02 No Fire
11:53:14	2354	3413	080075	S3G02 No Fire
11:53:36	2355	3414	080075	S3G02 No Fire
11:59:33	2371	3430	080075	S3G02 No Fire
11:59:54	2372	3431	080075	S3G02 No Fire
12:00:15	2373	3432	080075	S3G02 No Fire
12:00:58	2375	3434	080075	S3G02 No Fire
12:02:47	2380	3439	080075	S3G02 No Fire
12:05:58	2389	3448	080075	S3G01, No Fire
12:08:06	2395	3454	080075	S3G02 No Fire
12:09:12	2398	3457	080075	S3G02 No Fire
12:11:48	2405	3464	080075	S3G02 No Fire
12:12:10	2406	3465	080075	S3G02 No Fire
12:14:45	2413	3472	080075	S3G01, No Fire
12:15:32	2415	3474	080075	S3G02 No Fire
12:23:53	2437	3496	080075	S3G02 No Fire
12:25:46	2442	3501	080075	S3G02 No Fire
12:26:32	2444	3503	080075	S3G02 No Fire
12:29:30	2452	3511	080075	S3G02 No Fire
12:31:21	2457	3516	080075	S3G01 No Fire
12:31:43	2458	3517	080075	S3G02 No Fire
12:32:05	2459	3518	080075	S3G02 No Fire
12:32:28	2460	3519	080075	S3G02 No Fire
12:33:14	2462	3521	080075	S3G02 No Fire
12:39:34	2479	3538	080075	S3G02 No Fire
12:39:56	2480	3539	080075	S3G02 No Fire
12:41:27	2484	3543	080075	S3G02 No Fire
12:42:36	2487	3546	080075	S3G02 No Fire
12:43:43	2490	3549	080075	S3G02 No Fire
12:48:34	2503	3562	080075	S3G02 No Fire
12:50:03	2507	3566	080075	S3G01, S3G02 No Fire
12:50:25	2508	3567	080075	S3G02 No Fire
12:53:23	2516	3575	080075	S3G02 No Fire
12:54:52	2520	3579	080075	S3G02 No Fire
12:56:23	2524	3583	080075	S3G02 No Fire
12:56:45	2525	3584	080075	S3G02 No Fire
12:57:54	2528	3587	080075	S3G01 No Fire
12:58:17	2529	3588	080075	S3G02 No Fire
12:58:40	2530	3589	080075	S3G02 No Fire
13:01:00	2536	3595	080075	S3G02 No Fire
13:07:03	2552	3611	080075	S4G09 No Fire
13:09:46	2559	3618	080075	S3G02 No Fire
13:10:32	2561	3620	080075	S3G01 No Fire
13:14:25	2571	3630	080075	S3G01, S3G02 No Fire
13:15:10	2573	3632	080075	S3G02 No Fire
13:15:56	2575	3634	080075	S3G01, S3G02 No Fire
13:16:42	2577	3636	080075	S3G02 No Fire
13:19:19	2584	3643	080075	S3G01 No Fire

13:21:57	2591	3650	080075	S3G02 No Fire
13:22:19	2592	3651	080075	S3G01 No Fire
13:27:12	2605	3664	080075	S3G02 No Fire
13:28:42	2609	3668	080075	S3G02 No Fire
13:32:50	2620	3679	080075	S3G02 No Fire
13:34:43	2625	3684	080075	S3G01 No Fire
13:36:36	2630	3689	080075	S3G02 No Fire
13:38:10	2634	3693	080075	S3G01, S3G02 No Fire
13:40:05	2639	3698	080075	S3G02 No Fire
13:42:22	2645	3704	080075	S3G02 No Fire
13:44:17	2650	3709	080075	S3G02 No Fire
13:47:49	2659	3718	080075	S3G02 No Fire
13:48:35	2661	3720	080075	S3G02 No Fire
13:48:59	2662	3721	080075	S3G02 No Fire
13:50:55	2667	3726	080075	S3G02 No Fire
13:51:42	2669	3728	080075	S3G02 No Fire
13:52:51	2672	3731	080075	S3G02 No Fire
13:53:14	2673	3732	080075	S3G02 No Fire
13:54:03	2675	3734	080075	S3G02 No Fire
13:57:29	2684	3743	080075	S3G01 No Fire
14:00:52	2693	3752	080075	S3G02 No Fire
14:01:16	2694	3753	080075	S3G02 No Fire
14:08:12	2712	3771	080075	S3G02 No Fire
14:09:45	2716	3775	080075	S3G02 No Fire
14:10:08	2717	3776	080075	S3G02 No Fire
14:10:31	2718	3777	080075	S3G02 No Fire, S3G09 Timing error @ 2.4 ms
14:11:41	2721	3780	080075	S4G09 Timing Error @ -2.9 ms
14:12:52	2724	3783	080075	S3G01 No Fire
14:20:10	2743	3802	080075	S3G02 No Fire
14:22:53	2750	3809	080075	S3G02 No Fire
14:24:47	2755	3814	080075	S3G02 No Fire
14:30:57	2771	3830	080075	S3G02 No Fire
14:34:45	2781	3840	080075	S3G02 No Fire
14:37:03	2787	3846	080075	S3G02 No Fire
14:41:54	2800	3859	080076	Reel Change
14:44:37	2807	3866	080076	S3G02 No Fire
14:47:18	2814	3873	080076	S3G01, S3G02 No Fire
14:48:02	2816	3875	080076	S3G02 No Fire
14:48:46	2818	3877	080076	S3G02 No Fire
14:49:08	2819	3878	080076	S3G02 No Fire
14:41:54	2800	3859	080076	Reel Change
14:50:37	2823	3882	080076	S3G01, S3G02 No Fire
14:53:13	2830	3889	080076	S3G02, timing error @ -2.1 ms
14:56:37	2839	3898	080076	S3G02 No Fire
14:58:08	2843	3902	080076	S3G02 No Fire
14:59:38	2847	3906	080076	S3G02 No Fire
15:00:45	2850	3909	080076	S3G02 No Fire
15:08:32	2871	3930	080076	S3G02 No Fire

15:13:45	2885	3944	080076	S3G02 No Fire
15:16:38	2893	3952	080076	S3G02 No Fire
15:17:22	2895	3954	080076	S3G02 No Fire
15:20:41	2904	3963	080076	S3G01 No Fire
15:22:31	2909	3968	080076	S3G02 No Fire
15:23:15	2911	3970	080076	S3G01 No Fire
15:25:50	2918	3977	080076	S3G02 Timing error @ -2.1 ms
15:26:13	2919	3978	080076	S3G01 No Fire
15:28:03	2924	3983	080076	S3G02 No Fire
15:29:10	2927	3986	080076	S3G02 No Fire
15:30:17	2930	3989	080076	S3G01 S3G02 No Fire
15:36:58	2949	4008	080076	S3G02 No Fire
15:38:49	2954	4013	080076	S3G02 No Fire
15:42:32	2964	4023	080076	S3G01 No Fire
15:43:15	2966	4025	080076	S4G09 Timing error @ 2.1 ms
15:43:37	2967	4026	080076	S3G01 S3G02 No Fire
15:45:05	2971	4030	080076	S3G01 S3G02 No Fire
15:45:48	2973	4032	080076	S3G02 No Fire
15:49:45	2984	4043	080076	S3G01 No Fire
15:51:33	2989	4048	080076	S3G02 No Fire
15:58:26	3008	4067	080076	S3G02 No Fire
16:04:23	3025	4084	080076	S3G02 No Fire
16:05:27	3028	4087	080076	S3G02 No Fire, S4G09 Timing error
16:05:48	3029	4088	080076	S3G02 No Fire
16:07:56	3035	4094	080076	S3G01 No Fire
16:08:38	3037	4096	080076	S4G09 Timing error
16:09:20	3039	4098	080076	S4G09 Timing error
16:10:03	3041	4100	080076	S3G02 No Fire
16:15:26	3056	4115	080076	S4G09 Timing error
16:17:54	3063	4122	080076	S4G09 Timing error
16:18:37	3065	4124	080076	S4G09 Timing error
16:20:25	3070	4129	080076	S3G02 No Fire
16:21:29	3073	4132	080076	S3G02 No Fire
16:30:07	3097	4156	080076	S3G01 No Fire
16:31:34	3101	4160	080076	S3G02 No Fire
16:32:41	3104	4163	080076	S3G02 No Fire
16:34:11	3108	4167	080076	S3G02 No Fire
16:36:46	3115	4174	080076	S3G02 No Fire
16:37:08	3116	4175	080076	S3G02 No Fire
16:40:06	3124	4183	080076	S3G01 No Fire
16:42:19	3130	4189	080076	S3G02 No Fire
16:43:04	3132	4191	080076	S3G02 No Fire
16:44:35	3136	4195	080076	S3G02 No Fire
17:08:48	3189	4248	080076	S3G01 No Fire
17:14:16	3213	4272	080076	S3G02 No Fire
17:14:41	3214	4273	080076	S3G02 No Fire
17:42:31	3284	4343	080076	S3G01 No Fire
17:47:46	3297	4356	080076	S3G01 No Fire

17:51:25	3306	4365	080076	S3G01 No Fire
17:53:21	3311	4370	080076	S3G02 No Fire
18:16:08	3365	4424	080076	S4G09 Delta Timing at 2.4 ms
18:18:57	3372	4431	080076	S4G09 Delta Timing at 2.1 ms
18:19:48	3374	4433	080076	S3G02 No Fire
18:20:12	3375	4434	080076	S4G09 Delta Timing at 3.3 ms
18:21:01	3377	4436	080076	S3G02 No Fire
18:25:22	3388	4447	080076	S3G02 No Fire
18:27:42	3394	4453	080076	S3G01 No Fire
18:28:29	3396	4455	080076	S3G01 No Fire
18:30:04	3400	4459	080076	S3G02 No Fire
18:33:16	3408	4467	080076	S3G02 No Fire
18:41:16	3428	4487	080076	S3G02 No Fire
18:42:53	3432	4491	080076	S3G01 No Fire
18:45:16	3438	4497	080076	S3G02 No Fire
19:07:43	3496	4555	080076	S3G02 No Fire
19:10	3501	4560	080077	Reel Change
19:13:04	3510	4569	080077	S3G02 No Fire
19:14:56	3515	4574	080077	S4G09 Delta Timing at 4.3 ms
19:16:06	3518	4577	080077	S4G09 Delta Timing at -2.6 ms
19:16:53	3520	4579	080077	S4G09 Delta Timing at 2.3 ms
19:17:39	3522	4581	080077	S4G09 Delta Timing at 2.4 ms
19:18:49	3525	4584	080077	S3G02 No Fire
19:19:11	3526	4585	080077	S4G09 Delta Timing at 3.2 ms
19:19:59	3528	4587	080077	S3G01 No Fire
19:21:54	3533	4592	080077	S3G01, S3G02 No Fire
19:22:40	3535	4594	080077	S4G09 Delta Timing at 2.1 ms
19:24:57	3541	4600	080077	S3G01 No Fire
19:25:20	3542	4601	080077	S3G02 No Fire
19:26:28	3545	4604	080077	S3G02 No Fire
19:30:16	3555	4614	080077	S3G01 No Fire
19:33:35	3564	4623	080077	S3G02 No Fire
19:35:22	3565	4624	080077	S3G02 No Fire
19:36:27	3569	4628	080077	S3G02 No Fire
19:39:49	3572	4631	080077	S3G01 No Fire
19:41:24	3581	4640	080077	S4G09 Delta Timing at 3.9 ms
19:42:08	3585	4644	080077	S3G02 No Fire
19:43:15	3590	4649	080077	S4G09 Delta Timing at 2.7 ms
19:45:21	3596	4655	080077	S4G01 No Fire, S4G09 Delta Timing at 2.7 ms
19:46:48	3600	4659	080077	S3G02 No Fire
19:51:38	3613	4672	080077	S3G01 No Fire
19:53:31	3618	4677	080077	S4G09 Delta Timing at 2.9 ms
19:54:40	3621	4680	080077	S4G09 Delta Timing at -2.3 ms
19:58:06	3630	4689	080077	S3G02 No Fire
20:00:46	3637	4696	080077	S3G02 No Fire
20:08:10	3657	4716	080077	S3G02 Timing Error
20:27:01	3707	4766	080077	S3G02 No Fire
20:30:51	3717	4776	080077	S3G02 Timing Error

Time UTC	FILE	SP	Tape	Description
21:42	2	1007	080078	SOL (Strings 3 and 4 enabled, Volume = 3660)
21:54:12	31	1036	080078	S3G02 No Fire
22:02:52	51	1056	080078	S3G02 No Fire
22:03:43	54	1059	080078	S3G01 No Fire
22:04:57	57	1062	080078	S3G02 Timing Error
22:06:11	60	1065	080078	S3G02 No Fire
22:21:28	96	1101	080078	S4G09 Timing Error
22:36:08	130	1135	080078	S4G09 Timing Error
22:46:00	153	1158	080078	S3G02 No Fire
23:02:19	191	1196	080078	S3G01 No Fire
23:12:43	215	1220	080078	Whole String 1 No Fire
23:13:10	216	1221	080078	Whole String 1 No Fire
23:14:01	218	1223	080078	Whole String 1 No Fire
23:14:28	219	1224	080078	Whole String 1 No Fire
23:14:55	220	1225	080078	Whole String 1 No Fire
23:15:23	221	1226	080078	Whole String 1 No Fire
23:15:50	222	1227	080078	Whole String 1 No Fire
23:16:17	223	1228	080078	Whole String 1 No Fire
23:17:37	226	1231	080078	Whole String 1 No Fire; S4G09 Timing Error
23:18:02	227	1232	080078	Whole String 1 No Fire; S4G09 Timing Error
23:27:10	248	1253	080078	S4G09 Timing Error, String 1 operational, New Volume = 4950
23:51:31	304	1309	080078	S2G05, S3G05, S4G05 Enabled, New Volume = 5490
23:51:56	305	1310	080078	S2G05, S3G05, S4G05 Timing Error
23:53:11	308	1313	080078	S3G02 No Fire
00:09:27	346	1351	080078	S3G02 No Fire
00:10:43	349	1354	080078	S3G02 timing Error @ -2.4 ms
00:12:26	353	1358	080078	S3G01 No Fire
00:26:57	387	1392	080078	S3G02 No Fire
00:27:19	388	1393	080078	S1G02 Timing error
00:27:46	389	1394	080078	S1G02 Timing error @ 2.2 ms
00:28:37	391	1396	080078	S3G02 No Fire
00:29:52	394	1399	080078	S3G01 No Fire
00:31:59	399	1404	080078	S3G02 No Fire
00:33:40	403	1408	080078	S3G01 No Fire
00:52:40	448	1453	080078	S1G01 Timing error @ -2.5 ms
00:55:12	454	1459	080078	S3G02 No Fire
00:56:28	457	1462	080078	S3G02 No Fire
01:07:34	484	1489	080078	S3G02 No Fire
01:18:16	511	1516	080078	S3G02 No Fire
01:22:34	522	1527	080078	S3G01 No Fire
01:31:27	545	1550	080078	S3G02 No Fire
01:35:07	557	1562	080078	S3G02 No Fire
01:36:16	558	1563	080078	S3G02 No Fire
01:37:25	561	1566	080078	S1G02 Timing error @ -2.3 ms
01:38:54	565	1570	080078	S3G01, S3G02 No Fire
01:39:39	567	1572	080078	S3G02 No Fire
01:47:11	587	1592	080078	S3G02 No Fire

01:47:56	589	1594	080078	S3G02 No Fire
01:49:27	593	1598	080078	S3G02 No Fire

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080080	080090	FGSP	1097
SP #	1097	8110	LGSP	8110

Line	MGL0908_16
Sequence	019
Direction	48

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/11/09	07-12-09
Time UTC	04:53:53	21:50
Volume (cu in.)	3660	6200
Streamer Depth (m)	9	15
Wind (kts)	20 E	2729E
Sea State (ft)	3-5	10-12
Water Depth (m)	5605.9	6257.7

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 20 37.67637' N 124 01.68623' E
SP 7881 Missed shot due to vessel speed
SP 7951 Cable normal -Depth 11m
EOL POS 23 18.69316' N 125 49.84239' E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
04:53:53	1	1097	080080	SOL
04:54:57	4	1100	080080	S4G09 No Fire
04:55:17	5	1101	080080	S4G09 No Fire
04:55:36	6	1102	080080	S4G09 No Fire
04:56:36	9	1105	080080	S4G09 No Fire
04:56:56	10	1106	080080	S4G09 No Fire
04:57:16	11	1107	080080	S4G09 No Fire
04:57:35	12	1108	080080	S4G09 Disabled
04:58:39	15	1111	080080	S3G01 No Fire
04:59:00	16	1112	080080	S3G01 No Fire
05:03:29	29	1125	080080	S3G02 No Fire
05:05:09	34	1130	080080	S3G01, S3G02 No Fire
05:10:02	48	1144	080080	S3G02 No Fire
05:17:38	69	1165	080080	S3G01, S3G02 No Fire
05:24:31	88	1184	080080	S3G01 No Fire
05:27:05	95	1191	080080	S3G01 No Fire
05:29:43	102	1198	080080	S3G01, S3G02 No Fire
05:33:02	111	1207	080080	S3G01 No Fire
05:45:49	146	1242	080080	S3G01 No Fire
05:48:35	153	1249	080080	S3G01 No Fire
05:49:42	156	1252	080080	S3G01 No Fire
05:56:32	175	1271	080080	S3G01 No Fire
05:57:57	179	1275	080080	S3G02 No Fire
06:00:24	186	1282	080080	S3G01 No Fire
06:02:08	191	1287	080080	S3G02 No Fire
06:02:29	192	1288	080080	S3G02 Delta Timing @-2.7 ms
06:03:10	194	1290	080080	S3G01 No Fire
06:10:10	214	1310	080080	S3G01, S3G02 No Fire
06:10:53	216	1312	080080	S3G02 No Fire
06:14:18	225	1321	080080	S3G01 No Fire
06:15:28	228	1324	080080	S3G02 No Fire
06:24:29	254	1350	080080	S3G02 No Fire
06:25:57	258	1354	080080	S3G02 No Fire
06:27:21	262	1358	080080	S3G02 No Fire
06:34:44	283	1379	080080	S3G01 No Fire
06:41:28	302	1398	080080	S3G02 No Fire
06:45:04	312	1408	080080	S3G01 No Fire
06:46:29	316	1412	080080	S3G01 No Fire
06:47:52	320	1416	080080	S3G02 No Fire
06:49:15	324	1420	080080	S3G02 No Fire
06:49:35	325	1421	080080	S3G02 No Fire
06:50:38	328	1424	080080	S3G02 No Fire
06:52:02	332	1428	080080	S3G02 No Fire
06:54:09	338	1434	080080	S3G01 No Fire
06:55:33	342	1438	080080	S3G02 No Fire
07:00:52	357	1453	080080	S3G01 No Fire
07:01:13	358	1454	080080	S3G01 No Fire

07:02:37	362	1458	080080	S3G01 and S3G02No Fire
07:05:06	369	1465	080080	S3G02 No Fire
07:06:09	372	1468	080080	S1G02 Timing Error
07:09:00	380	1476	080080	S1G02 Timing Error, S3G02 No Fire
07:10:24	384	1480	080080	S3G01 No Fire
07:11:25	387	1483	080080	S3G02 No Fire
07:12:28	390	1486	080080	S3G02 No Fire
07:21:00	415	1511	080080	S3G01 and S3G02No Fire
07:23:03	421	1517	080080	S3G01 No Fire
07:23:23	422	1518	080080	S3G01 No Fire
07:26:55	432	1528	080080	S3G01 Timing Error, S4G01 No Fire
07:27:39	434	1530	080080	S3G01 No Fire
07:29:05	438	1534	080080	S3G02 Timing Error
07:35:25	456	1552	080080	S3G01 No Fire
07:37:55	463	1559	080080	S3G02 No Fire
07:40:05	469	1565	080080	S3G01 and S3G02 No Fire
07:43:56	480	1576	080080	S3G01 No Fire
07:47:50	491	1587	080080	S3G02 No Fire
07:49:55	497	1593	080080	S3G01 No Fire
07:51:41	502	1598	080080	S3G01 and S3G02 No Fire
07:52:44	505	1601	080080	S3G01 No Fire
08:12:33	560	1656	080080	S3G02 No Fire
08:17:24	573	1669	080080	S3G02 No Fire
08:18:08	575	1671	080080	S3G02 No Fire
08:23:30	590	1686	080080	S3G01 No Fire
08:25:48	597	1693	080080	S3G02 No Fire
08:30:30	610	1706	080080	S3G02 No Fire
08:40:49	639	1735	080080	S3G01 No Fire
08:42:14	643	1739	080080	S3G02 No Fire
08:43:17	646	1742	080080	S3G02 No Fire
08:44:42	650	1746	080080	S3G02 No Fire
08:48:13	660	1756	080080	S3G02 No Fire
08:49:16	663	1759	080080	S3G02 No Fire
08:55:05	680	1776	080080	S3G02 No Fire
08:55:25	681	1777	080080	S3G02 No Fire
08:57:50	688	1784	080080	S3G01, S3G02 No Fire
09:02:13	701	1797	080081	Reel Change#080081
09:02:37	702	1798	080081	S3G01 No Fire
09:05:41	711	1807	080081	S1G02 Timing error
09:15:36	740	1836	080081	S3G02 No Fire
09:18:19	748	1844	080081	S1G02 Timing error
09:38:47	809	1905	080081	Guns turned off
09:39-09:45	810-830	1906-1926	080081	String 2 enabled, New Volume = 6560
09:46:12	831	1927	080081	S2G01 Disabled; S3G05 Enabled, New Volume = 6380
09:46:32	832	1928	080081	S3G05 Timing Error
09:54:00	854	1950	080081	S3G01 and S3G02 No Fire
09:55:01	857	1953	080081	S3G02 No Fire
10:20:20	932	2028	080081	S3G02 No Fire

10:20:58	934	2030	080081	S1G02 Timing error
10:21:17	935	2031	080081	S1G02 Timing error
10:31:07	964	2060	080081	S1G02 Timing error
10:31:27	965	2061	080081	S1G02 Timing error
10:45:41	1007	2103	080081	S1G02 Timing error
10:52:05	1026	2122	080081	S1G02 Timing error
10:58:03	1044	2140	080081	S1G02 Timing error
10:58:23	1045	2141	080081	S1G02 Timing error
11:02:20	1057	2153	080081	S3G02 Timing error
11:08:08	1074	2170	080081	S1G02 Timing error
11:18:29	1104	2200	080081	S3G02 Timing error
11:19:52	1108	2204	080081	S3G01 No Fire
11:26:02	1126	2222	080081	S3G01 No Fire
11:30:04	1138	2234	080081	S3G02 No Fire
11:41:25	1171	2267	080081	S3G01, S3G02 No Fire
11:44:48	1181	2277	080081	S3G02 Timing error
11:46:33	1186	2282	080081	S3G02 Timing error
11:48:40	1192	2288	080081	S1G02 Timing error
11:53:35	1206	2302	080081	S3G01 No Fire
11:58:02	1219	2315	080081	S3G02 No Fire
12:00:33	1226	2322	080081	S3G01 No Fire
12:02:37	1232	2328	080081	S1G02 Timing error @ 2.1 ms
12:03:20	1234	2330	080081	S3G02 No Fire
12:08:30	1249	2345	080081	S3G02 Timing Error @ 2.5 ms
12:21:10	1285	2381	080081	S1G02 Timing error @ -2.1 ms
13:01:49	1400	2496	080082	Reel Change
13:03:59	1406	2502	080082	S1G02 Timing error @ -2.5 ms
13:04:20	1407	2503	080082	S1G02 Timing error @ 2.2 ms
13:11:41	1428	2524	080082	S3G02 Timing error @ -2.2 ms
13:12:01	1429	2525	080082	S3G02 Timing error @ 2.5 ms
14:28:10	1649	2745	080082	S1G02 Timing error @ 2.2 ms
14:28:31	1650	2746	080082	S1G02 Timing error @ -2.7 ms
14:15:30	1700	2796	080082	S1G02 Timing error @ -2.4 ms
14:25:45	1818	2914	080082	S3G02 Timing error @ 2.7 ms
14:35:30	1847	2943	080082	S3G02 Timing error @ -2.4 ms
16:22:19	1990	3086	080082	S3G02 Timing error @ -2.4 ms
16:31:24	2018	3114	080082	S3G02 Timing error @ -2.1 ms
16:37:35	2037	3133	080082	S3G02 Timing error @ -2.2 ms
16:58	2101	3197	080083	Reel Change
16:59:05	2104	3200	080083	S3G02 Timing error @ -2.1 ms
17:08:47	2134	3230	080083	S3G02 Timing error @ -2.1 ms
17:21:59	2174	3270	080083	S3G02 Timing error @ -2.4 ms
17:23:38	2179	3275	080083	S3G02 Timing error @ 2.2 ms
17:58:39	2286	3382	080083	S3G02 Timing error @ -2.5 ms
18:04:49	2305	3401	080083	S3G02 Timing error @ 2.6 ms
18:07:05	2312	3408	080083	S3G02 Timing error @ 2.3 ms
18:10:03	2321	3417	080083	S3G02 Timing error @ -2.3 ms
18:17:58	2345	3441	080083	S3G02 Timing error @ -2.4 ms

18:48:35	2437	3533	080083	S3G02 Timing error @ -3.0 ms
18:56:28	2461	3557	080083	S3G02 Timing error @ 2.3 ms
18:57:07	2463	3559	080083	S1G02 Timing error @ -2.4 ms
19:17:06	2523	3619	080083	S3G02 Timing error @ -2.8 ms
19:25:59	2552	3648	080083	S3G02 Timing error @ -2.5 ms
19:39:03	2588	3684	080083	S3G02 Timing error @ -2.4 ms
20:13:15	2687	3783	080083	S3G02 Timing error @ -2.1 ms
20:52:22	2722	3818	080083	S1G02 Timing error @ -2.8 ms
20:25:43	2723	3819	080083	S1G02 Timing error @ 2.7 ms
20:40:38	2766	3862	080083	S1G02 Timing error @ -2.8 ms
20:41:00	2767	3863	080083	S1G02 Timing error @ 2.4 ms
20:52:40	2801	3897	080084	Reel Change
21:11:14	2855	3951	080084	S1G02 Timing error @ -2.4 ms
21:12:05	2856	3952	080084	S1G02 Timing error @ 2.1 ms
21:33:27	2917	4013	080084	S3G02 Timing error @ 2.1 ms
22:09:19	3018	4114	080084	S3G02 Timing error @ -2.4 ms
22:15:48	3036	4132	080084	S1G02 Timing error @ -2.1 ms
22:27:46	3069	4165	080084	S1G02 Timing error @ -2.8 ms
23:24:24	3224	4320	080084	S3G02 Timing error @ -2.4 ms
23:25:50	3228	4324	080084	S1G02 Timing error @ -2.2 ms
23:34:02	3250	4346	080084	S3G02 Timing error @ -2.7 ms
23:35:09	3253	4349	080084	S3G02 Timing error @ 2.8 ms
23:40:02	3266	4362	080084	S1G02 Timing error @ -2.3 ms
23:40:23	3267	4363	080084	S3G02 Timing error @ -2.3 ms
23:40:45	3268	4364	080084	S3G02 Timing error @ 2.1 ms
23:50:19	3293	4389	080084	S1G02 Timing error @ -2.3 ms
23:51:24	3296	4392	080084	S3G02 Timing error @ -2.1 ms
23:56:20	3309	4405	080084	S3G02 Timing error @ -2.2 ms
23:57:05	3311	4407	080084	S3G02 Timing error @ 2.2 ms
23:59:48	3318	4414	080084	S3G02 Timing error @ 2.3 ms
00:21:01	3371	4467	080084	S3G02 Timing error @ -2.6 ms
00:33:28	3402	4498	080084	S3G02 Timing error @ -2.4 ms
00:33:53	3403	4499	080084	S1G02 Timing error @ -2.5 ms
00:37:06	3411	4507	080084	S3G02 Timing error @ -2.8 ms
00:37:55	3413	4509	080084	S3G02 Timing error @ 2.1 ms
00:44:16	3429	4525	080084	S1G02 Timing error @ -2.3 ms
00:46:46	3435	4531	080084	S3G02 Timing error @ -2.1 ms
01:07:34	3485	4581	080084	S3G02 Timing error @ -2.5 ms
01:08:26	3487	4583	080084	S3G02 Timing error @ 2.6 ms
01:12:31	3496	4592	080084	S1G02 Timing error @ -2.4 ms
01:12:56	3497	4593	080084	S1G02 Timing error @ 2.7 ms
01:13:21	3498	4594	080084	S1G02 Timing error @ -2.3 ms
01:14:09	3500	4596	080085	REEL CHANGE
01:14:37	3501	4597	080085	S3G02 Timing error @ 2.1 ms
01:16:01	3504	4600	080085	S3G02 Timing error @ -2.3 ms
01:27:04	3530	4626	080085	S3G02 Timing error @ 2.3 ms
02:01:54	3610	4706	080085	S3G02 Timing error @ -2.1 ms
02:12:44	3635	4731	080085	S3G02 Timing error @ 2.1 ms

02:39:12	3698	4794	080085	S3G02 Timing error @ 2.1 ms
02:47:17	3717	4813	080085	S3G02 Timing error @ -2.8 ms
02:58:13	3743	4839	080085	S3G02 Timing error @ 2.4 ms
03:00:35	3749	4845	080085	S3G02 Timing error @ -2.1 ms
03:01:49	3752	4848	080085	S3G02 Timing error @ 2.6 ms
03:21:36	3801	4897	080085	S3G02 Timing error @ -2.1 ms
03:40:21	3848	4944	080085	S1G02 Timing error @ -2.2 ms
03:42:18	3853	4949	080085	S3G02 Timing error @ -3.1 ms
03:49:19	3870	4966	080085	S3G02 Timing error @ -2.7 ms
03:50:08	3872	4968	080085	S3G02 Timing error @ 2.2 ms
03:59:43	3895	4991	080085	S1G02 Timing error @ -2.1 ms
04:03:16	3904	5000	080085	S3G02 Timing error @ -2.2 ms
04:26:18	3958	5054	080085	S1G02 Timing error @ -2.5 ms
04:38:23	3986	5082	080085	S3G02 Timing error @ -2.9 ms
05:10:29	4059	5155	080085	S3G02 Timing error @ 2.4 ms
05:13:17	4065	5161	080085	S1G02 Timing error @ -2.3 ms
05:21:02	4083	5179	080085	S3G02 Timing error @ -2.4 ms
05:22:17	4086	5182	080085	S1G02 Timing error @ -2.2 ms
05:34:08	4114	5210	080085	S3G02 Timing error @ 2.4 ms
06:03:56	4184	5280	080085	S2G05 Timing error @ -2.1 ms
06:06:42	4190	5286	080085	S4G02 no fire
06:07:36	4192	5288	080085	S4G02 no fire
06:08:05	4193	5289	080085	S4G02 no fire
06:08:32	4194	5290	080085	S4G02 no fire
06:08:58	4195	5291	080085	S4G02 turned off, S4G05 enabled, new volume 6200
06:08:58	4195	5291	080085	S4G05 Timing error @ 5.0 ms
06:09:24	4196	5292	080085	S4G05 Timing error @ -3.3 ms
06:11:04	4200	5296	080086	RELL CHANGE #080086
06:17:30	4215	5311	080086	S3G02 Timing error @ -2.1 ms
06:26:16	4236	5332	080086	S3G02 Timing error @ -3.1 ms
06:55:51	4307	5403	080086	S3G02 Timing error @ -2.3 ms
06:59:20	4315	5411	080086	S3G02 Timing error @ -2.3 ms
07:02:21	4322	5418	080086	S3G02 Timing error @ 2.1 ms
07:03:36	4325	5421	080086	S3G02 Timing error @ -2.2 ms
07:10:35	4342	5438	080086	S1G02 Timing error @ -2.4 ms
07:19:20	4363	5459	080086	S3G02 Timing error @ -2.2 ms
07:20:53	4387	5483	080086	S3G02 Timing error @ 2.1 ms
07:26:23	4380	5476	080086	S3G02 Timing error @ 3.0 ms
07:36:03	4403	5499	080086	S3G02 Timing error @ 2.9 ms
07:44:54	4424	5520	080086	S3G02 Timing error @ -2.7 ms
08:13:03	4493	5589	080086	S3G02 Timing error @ -2.4 ms
08:13:25	4494	5590	080086	S3G01 Timing error @ 2.1 ms
08:14:10	4496	5592	080086	S3G02 Timing error @ 2.2ms
08:31:10	4540	5636	080086	S3G02 Timing error @ 2.2ms
08:34:33	4549	5645	080086	S3G02 Timing error @ -2.1 ms
08:48:43	4588	5684	080086	S3G02 Timing error @ -2.5 ms
08:51:26	4596	5692	080086	S3G02 Timing error @ -2.9 ms
08:52:26	4599	5695	080086	S3G02 Timing error @ -2.8 ms

08:55:32	4608	5704	080086	S3G02 Timing error @ -2.2 ms
09:01:02	4623	5719	080086	S3G02 Timing error @ 2.3 ms
09:14:24	4661	5757	080086	S3G02 Timing error @ -2.6 ms
09:15:49	4665	5761	080086	S3G02 Timing error @ 2.4 ms
09:17:12	4669	5765	080086	S3G02 Timing error @ -2.2 ms
09:21:38	4682	5778	080086	S3G02 Timing error @ 2.2ms
09:23:44	4688	5784	080086	S3G02 Timing error @ -2.1 ms
09:28:15	4701	5797	080086	S3G02 Timing error @ 2.2ms
09:43:59	4747	5843	080086	S3G02 Timing error @ -2.4 ms
09:49:18	4763	5859	080086	S1G02 Timing error @ -2.3 ms
09:52:00	4771	5867	080086	S3G02 Timing error @ -2.9 ms
09:53:14	4775	5871	080086	S3G02 Timing error @ -2.1 ms
09:53:34	4776	5872	080086	S3G02 Timing error @ 2.2ms
09:54:13	4778	5874	080086	S3G02 Timing error @ -2.5 ms
09:56:15	4784	5880	080086	S3G02 Timing error @ -2.3 ms
09:56:55	4786	5882	080086	S3G02 Timing error @ 2.1 ms
10:00:42	4797	5893	080086	S3G02 Timing error @ 3.3 ms
10:01:22	4799	5895	080086	S3G02 Timing error @ -2.4 ms
10:03:05	4804	5900	080086	S3G02 Timing error @ -2.5 ms
10:11:29	4829	5925	080086	S3G02 Timing error @ 2.8ms
10:12:29	4832	5928	080086	S3G02 Timing error @ -2.8ms
10:12:49	4833	5929	080086	S3G01 Timing Error @ 2.2 ms
10:13:31	4835	5931	080086	S3G02 Timing error @ 2.7ms
10:14:11	4837	5933	080086	S3G02 Timing error @ -2.1 ms
10:16:33	4844	5940	080086	S2G04 Timing Error @ 2.4 ms
10:19:08	4852	5948	080086	S3G02 Timing error @ 2.6 ms
10:26:44	4875	5971	080086	S3G02 Timing error @ -2.5 ms
10:28:44	4881	5977	080086	S3G02 Timing error @ 2.3 ms
10:35:07	4900	5996	080087	Reel Change, S3G02 Timing error @ -2.2 ms
10:35:26	4901	5997	080087	S3G02 Timing error @ 2.8ms
10:36:24	4904	6000	080087	S3G02 Timing error @ -2.3 ms
10:37:04	4906	6002	080087	S3G02 Timing error @ 2.6 ms
10:50:23	4945	6041	080087	S3G02 Timing error @ -2.2 ms
10:50:42	4946	6042	080087	S3G02 Timing error @ 2.4 ms
10:51:59	4950	6046	080087	S3G02 Timing error @ 3.5 ms
10:58:13	4968	6064	080087	S3G02 Timing error @ -2.6 ms
10:59:11	4971	6067	080087	S3G02 Timing error @ -3.3 ms
10:59:32	4972	6068	080087	S3G02 Timing error @ 2.3 ms
11:04:24	4986	6082	080087	S3G02 Timing error @ -2.3 ms
11:07:06	4994	6090	080087	S3G02 Timing error @ 2.3 ms
11:13:08	5012	6108	080087	S3G02 Timing error @ -2.1 ms
11:15:31	5019	6115	080087	S3G02 Timing error @ 2.1 ms
11:18:46	5029	6125	080087	S3G02 Timing error @ -2.4 ms
11:19:08	5030	6126	080087	S3G02 Timing error @ 2.5 ms
11:26:30	5052	6148	080087	S3G02 Timing error @ 2.1 ms
11:31:40	5068	6164	080087	S3G02 Timing error @ -3.5 ms
11:31:59	5069	6165	080087	S3G02 Timing error @ 2.1 ms
11:33:01	5072	6168	080087	S3G02 Timing error @ -2.3 ms

11:44:42	5106	6202	080087	S3G02 Timing error @ 2.4 ms
11:48:07	5116	6212	080087	S3G02 Timing error @ -2.5 ms
11:48:27	5117	6213	080087	S3G02 Timing error @ 2.1 ms
11:51:541	5127	6223	080087	S3G02 Timing error @ 2.2 ms
11:53:28	5132	6228	080087	S3G02 Timing error @ -2.6 ms
11:54:52	5136	6232	080087	S3G02 Timing error @ -2.3 ms
11:59:48	5151	6247	080087	S3G02 Timing error @ -3.3 ms
12:00:26	5153	6249	080087	S3G02 Timing error @ 2.2 ms
12:02:11	5158	6254	080087	S3G02 Timing error @ -2.2 ms
12:07:04	5172	6268	080087	S3G02 Timing error @ -2.1 ms
12:15:10	5197	6293	080087	S3G02 Timing error @ 2.2 ms
12:20:52	5214	6310	080087	S3G02 Timing error @ -2.3 ms
12:22:20	5218	6314	080087	S3G02 Timing error @ 2.7 ms
12:37:17	5263	6359	080087	S3G02 Timing error @ 2.6 ms
12:48:39	5297	6393	080087	S3G02 Timing error @ 2.2 ms
12:49:18	5299	6395	080087	S3G02 Timing error @ -2.6 ms
12:50:18	5302	6398	080087	S3G02 Timing error @ 2.2 ms
12:51:39	5306	6402	080087	S3G02 Timing error @ -2.2 ms
12:52:40	5309	6405	080087	S3G02 Timing error @ -2.1 ms
12:59:15	5329	6425	080087	S3G02 Timing error @ -2.9 ms
13:07:11	5352	6448	080087	S3G02 Timing error @ -2.3 ms
13:14:56	5374	6470	080087	S3G02 Timing error @ -2.1 ms
13:21:23	5393	6489	080087	S3G02 Timing error @ 3.2 ms
13:25:23	5405	6501	080087	S3G02 Timing error @ -2.1 ms
13:33:47	5430	6526	080087	S3G02 Timing error @ -2.4 ms
13:38:23	5444	6540	080087	S3G02 Timing error @ -2.5 ms
13:40:20	5450	6546	080087	S3G02 Timing error @ 2.1 ms
13:41:19	5453	6549	080087	S3G02 Timing error @ 2.2 ms
13:42:18	5456	6552	080087	S3G02 Timing error @ -2.1 ms
13:42:56	5458	6554	080087	S3G02 Timing error @ -2.1 ms
13:43:16	5459	6555	080087	S3G02 Timing error @ 2.2 ms
13:57:17	5501	6597	080087	S3G02 Timing error @ 3.1 ms
13:57:39	5502	6598	080087	S3G02 Timing error @ -2.5 ms
13:57:59	5503	6599	080087	S3G02 Timing error @ 2.3 ms
13:58:40	5505	6601	080087	S3G02 Timing error @ -2.4 ms
14:01:24	5513	6609	080087	S3G02 Timing error @ 2.3 ms
14:06:09	5527	6623	080087	S3G02 Timing error @ 2.3 ms
14:12:17	5545	6641	080087	S3G02 Timing error @ 2.4 ms
14:18:00	5562	6658	080087	S3G02 Timing error @ -2.7 ms
14:18:41	5564	6660	080087	S3G02 Timing error @ 3.7 ms
14:20:20	5569	6665	080087	S3G02 Timing error @ -2.8 ms
14:23:44	5579	6675	080087	S3G02 Timing error @ -2.4 ms
14:24:25	5581	6677	080087	S3G02 Timing error @ 2.2 ms
14:29:49	5597	6693	080087	S3G02 Timing error @ -2.4 ms
14:30:11	5598	6694	080087	S3G02 Timing error @ 2.2 ms
14:30:51	5600	6696	080088	Reel Change
14:39:13	5624	6720	080088	S3G02 Timing error @ -2.8 ms
14:50:01	5656	6752	080088	S3G02 Timing error @ -2.1 ms

14:58:05	5680	6776	080088	S3G02 Timing error @ 2.1 ms
14:58:45	5682	6778	080088	S3G02 Timing error @ 2.2 ms
15:00:47	5688	6784	080088	S3G02 Timing error @ 2.1 ms
15:10:15	5717	6813	080088	S3G02 Timing error @ 2.6 ms
15:13:47	5728	6824	080088	S3G02 Timing error @ -2.4 ms
15:28:30	5772	6868	080088	S3G02 Timing error @ -2.2 ms
15:29:08	5774	6870	080088	S3G02 Timing error @ -2.2 ms
15:39:06	5804	6900	080088	S2G04 Timing error @ 2.6 ms
15:43:02	5816	6912	080088	S3G02 Timing error @ -2.4 ms
15:43:41	5818	6914	080088	S3G02 Timing error @ -2.2 ms
15:49:45	5836	6932	080088	S3G02 Timing error @ -2.4 ms
15:50:05	5837	6933	080088	S3G02 Timing error @ 2.5 ms
15:59:07	5864	6960	080088	S3G02 Timing error @ -2.8 ms
16:00:08	5867	6963	080088	S3G02 Timing error @ -2.1 ms
16:03:06	5876	6972	080088	S3G02 Timing error @ -2.3 ms
16:08:15	5892	6988	080088	S3G02 Timing error @ -2.2 ms
16:08:53	5894	6990	080088	S3G02 Timing error @ 2.3 ms
16:10:24	5899	6995	080088	S3G02 Timing error @ -2.9 ms
16:12:33	5906	7002	080088	S3G02 Timing error @ 2.4 ms
16:19:59	5929	7025	080088	S3G02 Timing error @ -2.6 ms
16:32:51	5969	7065	080088	S3G02 Timing error @ -2.1 ms
16:34:25	5974	7070	080088	S3G02 Timing error @ 2.8 ms
16:40:20	5992	7088	080088	S3G02 Timing error @ 3.1 ms
17:07:45	6079	7175	080088	S3G02 Timing error @ -2.5 ms
17:23:47	6131	7227	080088	S3G02 Timing error @ -2.1 ms
17:29:41	6151	7247	080088	S3G02 Timing error @ 2.4 ms
17:32:05	6159	7255	080088	S3G02 Timing error @ 2.2 ms
17:55:04	6234	7330	080088	S1G02 Timing error @ -2.4 ms
17:55:23	6235	7331	080088	S3G02 Timing error @ -2.1 ms
18:15	6300	7396	080089	Reel Change
18:27:02	6339	7435	080089	S3G02 Timing error @ 2.1 ms
18:29:25	6347	7443	080089	S3G02 Timing error @ -3.0 ms
18:24:42	6348	7444	080089	S3G02 Timing error @ 2.5 ms
18:38:32	6378	7474	080089	S3G02 Timing error @ -2.2 ms
18:38:51	6379	7475	080089	S3G02 Timing error @ 3.1 ms
18:40:19	6384	7480	080089	S3G02 Timing error @ -2.1 ms
18:48:50	6413	7509	080089	S3G02 Timing error @ 3.7 ms
18:49:40	6416	7512	080089	S3G02 Timing error @ -2.3 ms
18:56:55	6430	7526	080089	S3G02 Timing error @ -2.1 ms
18:57:29	6442	7538	080089	S3G02 Timing error @ -2.2 ms
18:58:59	6447	7543	080089	S3G02 Timing error @ -2.1 ms
19:06:32	6473	7569	080089	S3G02 Timing error @ -2.8 ms
19:24:39	6534	7630	080089	S3G02 Timing error @ -2.3 ms
19:28:25	6547	7643	080089	S3G02 Timing error @ -2.2 ms
19:29:48	6552	7648	080089	S3G02 Timing error @ -2.8 ms
19:31:14	6557	7653	080089	S3G02 Timing error @ -2.4 ms
19:32:25	6561	7657	080089	S3G02 Timing error @ -2.2 ms
19:37:46	6579	7675	080089	S3G02 Timing error @ 2.3 ms

Time UTC	FILE	SP	Tape	Description
21:51:34	1	1010	080091	SOL
22:06:21	30	1039	080091	S3G02 Timing Error @ -3.2ms
22:08:17	33	1042	080091	S1G02 Timing Error @ -2.2ms
22:08:45	34	1043	080091	S1G02 Timing Error @ 2.1ms
22:09:58	37	1046	080091	String 1 and 2 Disable, New Volume =3080
22:40:44	105	1114	080091	S3G02 Timing Error @ -2.2ms
22:54:30	135	1144	080091	S3G02 Timing Error @ -2.4ms
22:55:24	137	1146	080091	S3G02 Timing Error @ 2.2ms
23:10:09	168	1175	080091	S3G02 Timing Error @ 2.3ms
23:13:39	175	1182	080091	S3G02 Timing Error @ 2.5ms
23:17:06	182	1189	080091	S3G02 Timing Error @-2.3ms
23:17:35	183	1190	080091	S3G02 Timing Error @ 2.2ms
23:21:14	190	1197	080091	S3G02 Timing Error @-2.3ms
23:30:59	211	1218	080091	S3G02 Timing Error @-2.5ms
23:48:09	244	1251	080091	S3G02 Timing Error @ -2.2ms
23:49:26	247	1254	080091	S3G02 Timing Error @ -2.1ms
23:55:17	259	1266	080091	S3G02 Timing Error @ 2.1ms
23:59:42	268	1275	080091	S3G02 Timing Error @-2.5ms
00:08:52	288	1295	080091	S3G02 (-2.7 ms), S4G05(-2.2 ms) Timing Error
00:09:50	290	1297	080091	S2G05 Comm error
00:11:17	294	1300	080091	S1G01, 2, 3, 4, 8, 9, 10 timing error; Strings 1 and 2 enabled, new volume = 5840
00:11:49	295	1301	080091	S1G01, 2, 4, 9, 10, timing error
00:12:19	296	1302	080091	String 1, comm error
00:12:56	297	1303	080091	S1G01, 2, 3, 4, 8, 9, 10 no fire
00:13:34	298	1304	080091	S1G01, timing error @ 5.5 ms
00:14:16	299	1305	080091	S1G02, timing error @ 3.4 ms, S1G05 enabled, new volume = 6380
00:14:45	300	1306	080091	S1G01, timing error @ -3.4 ms
00:21:44	314	1320	080091	S2G07 no fire
00:56:22	379	1388	080091	S4G01 no fire
01:09:55	405	1414	080091	S3G02 Timing Error @-2.2 ms
01:23:02	430	1439	080091	S3G02 Timing Error @-2.2 ms
01:29:53	442	1451	080091	S3G02 Timing Error @-2.4 ms
01:38:32	458	1467	080091	S1G02 Timing error @ -2.3 ms
02:21:54	546	1555	080091	S2G01 S2G02 S2G06 S2G07, No Fire
02:22:18	547	1556	080091	Hole String 2 No Fire
02:22:46	548	1557	080091	Hole String 2, No Fire; S2G02 S2G03, Comm Error
02:23:12	549	1558	080091	S2G02 S2G03 comm error
02:23:40	550	1559	080091	S2G01 to S2G05 comm error, S2G06 to S2G10 No fire
02:24:07	551	1560	080091	S2G01 to S2G04 No fire
02:35:16	575	1584	080091	S1G02 Timing error @ -2.4 ms
03:21:52	676	1685	080091	S2G01 S2G02 S2G04 No fire
03:30:52	697	1706	080091	S2G02 No fire
03:31:16	698	1707	080091	S2G07 No fire
03:32:03	700	1709	080092	Reel Change
03:47:19	735	1744	080092	S1G02, timing error @ -2.2 ms
03:49:00	739	1748	080092	S2G02 to S2G04 No fire
04:01:54	770	1779	080092	S1G02 Timing error @ -2.2 ms

04:10:22	790	1799	080092	S2G02, S2G03, S2G04, S2G06, S2G07 No fire
04:13:21	797	1806	080092	S2G04, S2G07 No fire
04:15:34	802	1811	080092	S2G06, S2G07 No fire
04:26:18	825	1834	080092	S2G01, S2G03, S2G04 No fire
04:33			080092	Missed shots 1850-1852, 1860
04:40:01	858	1867	080092	S2G01, S2G02, S2G06 No fire
04:42:39	864	1873	080092	S2G02, S2G03, S2G04 No fire
04:43:03	865	1874	080092	S2G06 No fire
04:43:27	866	1875	080092	S2G04 turned off, S2G05 turned on- Delta Timing at 2.1 ms
04:43:50	867	1876	080092	S2G05 Delta Timing at -4.1 ms
04:46:54	875	1884	080092	S2G01, S2G02 No fire
04:48:39	879	1888	080092	S2G06, S2G07 No fire
04:50:04	882	1891	080092	S3G02 Delta Timing at -2.5 ms
04:53:45	890	1899	080092	String 2 No Fire
04:54:14	891	1900	080092	S2G01, S2G05 No fire
04:54:41	892	1901	080092	S2G02, S2G03, S2G05 No fire
04:55:07	893	1902	080092	S3G02 Delta Timing at 2.8 ms
04:58:15	901	1910	080092	S1G02 Delta Timing at -2.1 ms
04:58:37	902	1911	080092	S3G02 Delta Timing at 2.5 ms
04:59:21	904	1913	080092	S2G03, S2G05, S2G07, S2G08 No fire
05:02:51	913	1922	080092	S2G08 No fire
05:03:40	915	1924	080092	String 2 No Fire
05:05:48	920	1929	080092	S2G02, S2G03, S2G05 No fire
05:09:39	929	1938	080092	S2G07, S2G08 No fire
05:31:51	983	1992	080092	S2G07, S2G08 No fire
05:33:09	986	1995	080092	S2G01, S2G02, S2G07, S2G08 No fire
05:33:36	987	1996	080092	S2G01, S2G02, S2G03, S2G05, S2G06 No fire
05:34:01	988	1997	080092	String 2 No Fire
05:35:10	#VALUE!	2000-2040	080092	String 2 Intermittent Gun Errors
05:51:13	1032	2041	080092	Securing and pulling in String 2
05:51:58	1034	2043	080092	S1G05 Enabled
05:58:10	1050	2059	080092	S1G02 Delta Timing at -2.1 ms
06:11:04	1083	2092	080092	S3G02 Delta Timing at -2.3 ms
06:12	1086	2095	080092	string 2 onboard, new volume 4910
06:59	1209	2218	080092	S3G02 Delta Timing error
07:05:06	1223	2232	080092	S1G02 Delta Timing error
07:30:33	1291	2300	080092	S3G02 Delta Timing error
07:36:21	1306	2315	080092	S1G02, S3G02 Delta Timing error
07:36:49	1307	2316	080092	S1G02 Delta Timing error
07:41:30	1318	2327	080092	S3G02 Delta Timing error
07:44:53	1327	2336	080092	S3G02 Delta Timing error
08:03:37	1376	2385	080092	S1G02, S3G02 Delta Timing error
08:04:00	1377	2386	080092	S1G02, S3G02 Delta Timing error
08:10:26	1394-1421	2403-2430	080092	String error
08:12:30	1400	2409	080093	Reel Change
08:22:11	1426	2435	080093	S1G02 Delta Timing error
08:22:35	1427	2436	080093	S2G07,S3G01, No fire
08:23:22	1429	2438	080093	S3G02 Delta Timing error

08:23:45	1430	2439	080093	S3G01 No Fire
08:28:29	1443	2452	080093	Turn off string 3 & 4, new volume = 3300
08:30:41	1449	2458	080093	S1G02 Delta Timing error
08:31:47	1452	2461	080093	S2G06 No Fire
08:33:29	1457	2466	080093	S1G05 Timing error,S2G05 No Fire
08:33:50	1458	2467	080093	S1G05,S2G05 Timing Error
08:34:11	1459	2468	080093	S2G05 Timing Error
08:37:49	1468	2477	080093	S2G01-S2G07 No Fire
08:40:17	1474	2483	080093	S2G03 No Fire
08:40:40	1475	2484	080093	S1G06, S2G02 No Fire
08:41:26	1477	2486	080093	S2G07, S2G08 No fire
08:47:12	1492	2501	080093	S2G02 No fire
08:48:03	1496	2505	080093	S2G02 No fire
08:49:49	1499	2508	080093	S2G02 No fire
08:53:56	1510	2519	080093	S2G02 No fire
08:54:43	1512	2521	080093	S2G02 No fire
08:58:07	1521	2530	080093	S2G03 - S2G07 No Fire
08:58:32	1522	2531	080093	S2G02 No fire
08:59:21	1524	2533	080093	S2G02 No fire
09:03:50	1537	2546	080093	S2G05-S2G08 No Fire
09:04:11	1538	2547	080093	S2G02 No fire
09:06:34	1545	2554	080093	S2G05-S2G08 No Fire
09:07:40	1548	2557	080093	S2G02 No fire
09:12:22	1560	2569	080093	S2G02 No fire
09:13:56	1564	2573	080093	S2G01-S2G07 No Fire
09:17:32	1574	2583	080093	S2G01-S2G07 No Fire
09:18:58	1578	2587	080093	S2G07,S2G08 No Fire
08:19:42	1580	2589	080093	S2G02 No fire
09:22:25	1587	2596	080093	S2G02 No fire
09:24:15	1592	2601	080093	S2G02 No fire
09:24:36	1593	2602	080093	S2G02-S2G05 No Fire
09:26:11	1597	2606	080093	S2G06 No fire
09:31:06	1610	2619	080093	S2G02 No fire
09:32:54	1615	2624	080093	S2G07 No Fire
09:35:05	1621	2630	080093	S2G06-S2G07 No Fire
09:35:26	1622	2631	080093	S2G01-S2G08 No Fire
09:35:47	1623	2632	080093	S2G02 No fire
09:40:15	1635	2644	080093	S2G02 No fire
09:41:19	1638	2647	080093	S2G05,S2G06 No Fire
09:42:05	1640	2649	080093	S2G07 No fire
09:43:09	1643	2652	080093	S2G02 No fire
09:44:35	1647	2656	080093	S2G02 No fire
09:48:39	1657	2666	080093	S2G01-S2G07 No Fire
09:49:40	1660	2669	080093	S2G02 No fire
09:54:11	1673	2682	080093	S2G02 No fire
09:54:31	1674	2683	080093	S2G02 No fire
09:56:20	1679	2688	080093	S2G01, S2G02 No fire
09:57:30	1682	2691	080093	S2G02 No fire

09:58:17	1684	2693	080093	S2G03, S2G04 No Fire
09:58:39	1685	2694	080093	S2G02 No fire
09:59:58	1689	2698	080093	S2G02 No fire
10:02:29	1696	2705	080093	S2G05 - S2G07 No Fire
10:04:42	1702	2711	080093	S2G01 - S2G04, S2G06 No Fire
10:06:10	1706	2715	080093	S2G02 No fire
10:07:09	1709	2718	080093	S2G06, S2G07 No Fire
10:07:29	1710	2719	080093	S2G06 No fire
10:07:50	1711	2720	080093	S2G01, S2G04 - S2G07 No Fire
10:10:36	1718	2727	080093	S2G02 No fire
10:15:22	1731	2740	080093	S2G01 - S2G08 No Fire
10:17:13	1736	2745	080093	S2G01, S2G03-S2G08 No Fire
10:18:33	1470	2479	080093	S2G02 No fire
10:19:15	1742	2751	080093	S2G02 No fire
10:21:24	1748	2757	080093	S2G02 No fire
10:21:48	1749	2758	080093	S2G02 No fire
10:22:51	1752	2761	080093	S2G03, S2G04 No Fire
10:23:13	1753	2762	080093	S2G07, S2G08 No fire
10:24:19	1756	2765	080093	S2G02 No fire
10:24:40	1757	2766	080093	S2G02 No fire
10;26:58	1763	2772	080093	S2G02 No fire
10:28:04	1766	2775	080093	S2G06, S2G07 No Fire
10:29:09	1769	2778	080093	S2G02 No fire
10:29:31	1770	2779	080093	S2G02 No fire
10:30:19	1772	2781	080093	S2G02 No fire
10:30:43	1773	2782	080093	S2G02 No fire
10:31:48	1776	2785	080093	S2G02 No fire
10:34:06	1782	2791	080093	S2G02 No fire
10:35:34	1786	2795	080093	S2G04-S2G08 No Fire
10:37:06	1790	2799	080093	S2G02 No fire
10:37:28	1791	2800	080093	S2G02 No fire
10:3817	1793	2802	080093	S2G01-S2G04, S2G06-S2G08 No Fire
10:38:42	1794	2803	080093	S2G02 No fire
10:39:50	1797	2806	080093	S2G02 No fire
10:40:14	1798	2807	080093	S2G04-S2G06 No Fire
10:44:28	1810	2819	080093	S2G04-S2G07 No Fire
10:45:51	1814	2823	080093	S2G02 No fire
10:46:12	1815	2824	080093	S2G02 No fire
10:46:33	1816	2825	080093	S2G02 No fire
10:48:04	1820	2829	080093	S2G03-S2G04, S2G06-S2G08 No Fire
10:49:08	1823	2832	080093	S2G02 No fire
10:50:36	1827	2836	080093	S2G02 No fire
10:50:57	1828	2837	080093	S2G02 No fire
10:51:20	1829	2838	080093	S2G02 No fire
10:52:21	1833	2842	080093	S2G02, S2G03 No Fire
10:56:50	1844	2853	080093	S2G01-S2G07 No Fire
10:57:12	1845	2854	080093	S2G01-S2G04, S2G06-S2G08 No Fire
10:57:35	1846	2855	080093	S2G05-S2G08 No Fire

Time (UTC)	File	SP	Tape	Description
12:23:59	1	1197	080094	SOL
12:31:15	17	1213	080094	S3G01 No fire
12:32:10	19	1215	080094	S3G01 No fire
12:33:04	21	1217	080094	S3G01 No fire
12:33:31	22	1218	080094	S3G01 No fire
12:36:17	28	1224	080094	S3G02 No fire
12:45:19	48	1244	080094	S3G01 No fire
12:45:46	49	1245	080094	S3G01 No fire
12:46:12	50	1246	080094	S3G01 No fire
12:52:28	64	1260	080094	S3G01 No fire
13:01:00	83	1279	080094	S3G01 No fire
13:03:10	88	1284	080094	S3G01 No fire
13:05:46	94	1290	080094	S1G02 timing error @ -2.2 ms, S3G01 No fire
13:10:50	106	1302	080094	S3G01 No fire
13:11:41	108	1304	080094	S3G01 No fire
13:33:55	161	1357	080094	S3G01 No fire
13:42:27	182	1378	080094	S3G01 No fire
13:44:30	187	1383	080094	S3G01 No fire
13:45:43	190	1386	080094	S3G01 No fire
13:46:08	191	1387	080094	S3G01 No fire
13:52:21	206	1402	080094	S4G01 Timing error @ -2.1 ms
14:01:32	228	1424	080094	S3G01 No fire
14:13:16	257	1453	080094	S1G02 Timing error @ -2.1 ms
14:13:39	258	1454	080094	S1G02 Timing error @ 2.2 ms
14:25:06	286	1482	080094	S3G01, S3G02 No fire
14:29:35	297	1493	080094	S4G01 Timing error @ -2.1 ms
14:30:47	300	1496	080094	S2G05, S2G06 comm error
14:41:45	327	1523	080094	S3G01 No fire
14:47:58	342	1538	080094	S1G02 timing error @ -2.5 ms
14:53:27	355	1551	080094	S3G01 No fire
15:09:40	393	1589	080094	S3G01 No fire
15:31:02	444	1640	080094	S3G01 No fire
15:34:45	453	1649	080094	S1G02 Timing Error @ -2.4 ms
15:35:12	454	1650	080094	S3G02 No fire
15:51:46	473	1669	080094	S1G02 Timing Error @ -2.2 ms
16:04:29	522	1718	080094	S3G01, S3G02 No fire
16:10:10	535	1731	080094	S3G01 No fire
16:22:26	563	1759	080094	S3G02 No fire
16:31:00	583	1779	080094	S3G02 No fire
16:31:50	585	1781	080094	S3G01 No fire
16:34:48	592	1788	080094	S3G01 No fire
16:40:52	606	1802	080094	S3G01 No fire
17:08:38	668	1864	080094	S3G01 No fire
17:09:05	669	1865	080094	S3G01 No fire
17:13:38	679	1875	080094	S3G01 No fire
17:14:04	680	1876	080094	S3G01 No fire
17:17:12	687	1883	080094	S3G01 No fire

17:20:20	694	1890	080094	S3G01, S3G02 No fire
17:20:47	695	1891	080094	S3G01 No fire
17:21:15	696	1892	080094	S3G01 No fire
17:22:38	699	1895	080094	S3G01 No fire
17:23:01	700	1896	080095	reel change #080095
17:24:28	703	1899	080095	S3G01, S3G02 No fire
17:25:52	706	1902	080095	S3G01 No fire
17:29:25	714	1910	080095	S3G01 No fire
17:35:53	729	1925	080095	S3G01 No fire
17:39:49	738	1934	080095	S3G01 No fire
17:40:15	739	1935	080095	S1G02 Timing Error @ -2.2 ms
17:42:01	743	1939	080095	S3G01 No fire
17:43:19	746	1942	080095	S3G01 No fire
17:43:46	747	1943	080095	S3G01 No fire
17:45:56	752	1948	080095	S3G01 No fire
17:47:14	755	1951	080095	S3G01, S3G02 No fire
17:56:46	777	1973	080095	S3G01, S3G02 No fire
17:58:29	781	1977	080095	S3G02 No fire
17:59:45	784	1980	080095	S4G01 Delta Timing at 2.3 ms
18:02:21	790	1986	080095	S3G02 No fire
18:07:06	801	1997	080095	S3G01 No fire
18:07:31	802	1998	080095	S3G01 No fire
18:09:10	806	2002	080095	S4G01 Delta Timing at 2.1 ms
18:36:08	872	2068	080095	S2G03, S2G04, S2G05, S2G06 Comm Error
18:48:45	904	2100	080095	S2G02, S3G01, S3G02 Delta Timing at 6.8 ms
18:49:07	905	2101	080095	S2G02 Delta Timing at -5.1 ms
18:53:18	916	2112	080095	S3G01 No fire
18:55:56	923	2119	080095	S3G01, S3G02 Comm Error
18:56:42	925	2121	080095	S3G01, S3G02 No fire
19:05:15	948	2144	080095	S3G02 No fire
19:05:37	949	2145	080095	S3G01, S3G02 No fire
19:08:13	956	2152	080095	S3G01 No fire
19:09:21	959	2155	080095	S3G01 No fire
19:10:05	961	2157	080095	S3G01, S3G02 Comm Error
19:13:50	971	2167	080095	S3G01 No fire
19:16:05	977	2173	080095	S2G02 Delta Timing at 4.5 ms, S3G01, S3G02 No fire
19:16:27	978	2174	080095	S2G02 Delta Timing at -3.5 ms
19:18:24	980	2176	080095	S3G02 No fire
19:18:47	984	2180	080095	S2G02 Delta Timing at 7.1 ms
19:20:19	988	2184	080095	S2G02 Delta Timing at -5.4 ms
19:22:39	994	2190	080095	S3G01 No fire
20:09:56	1118	2314	080095	S3G02 No fire
20:10:19	1119	2315	080095	S3G01 No fire
20:11:05	1121	2317	080095	S3G01, S3G02 No fire
20:15:16	1132	2328	080095	S3G01, S3G02 No fire
20:16:25	1135	2331	080095	S3G01 No fire
20:17:57	1139	2335	080095	S3G01 No fire
20:18:20	1140	2336	080095	S3G01, S3G02 No fire

20:21:00	1147	2343	080095	S3G01 No fire
20:22:30	1151	2347	080095	S3G01 No fire
20:22:52	1152	2348	080095	S3G01 No fire
20:23:14	1153	2349	080095	S3G01,S3G02 No fire
20:25:27	1159	2355	080095	S3G01,S3G02 No fire
20:27:41	1165	2361	080095	S3G01,S3G02 No fire
20:28:49	1168	2364	080095	S2G02,S3G02 No Fire
20:29:10	1169	2365	080095	S3G01,S3G02 No fire
20:30:17	1172	2368	080095	S3G01 No fire
20:31:46	1176	2372	080095	S3G01 No fire
20:32:53	1179	2375	080095	S3G01 No fire
20:33:14	1180	2376	080095	S3G01 No fire
20:35:27	1186	2382	080095	S3G01 No fire
20:36:55	1190	2386	080095	S2G02 Timing Error@-4.9
20:37:17	1191	2387	080095	S2G02 Timing Error@-5.1
20:37:40	1192	2388	080095	S2G02 Timing Error@4.5
20:38:48	1195	2391	080095	S3G01,S3G02 No fire, S4G01 Timing Error@-2.3
20:41:01	1201	2397	080095	S2G02 Timing Error@-3.9
20:43:40	1208	2404	080095	S3G01 No fire
20:47:35	1219	2415	080095	S2G02 Timing Error@-5.3
20:54:34	1238	2434	080095	S3G01 No fire
20:55:42	1241	2437	080095	S3G01 No fire
20:57:33	1246	2442	080095	S3G02 No fire
20:57:53	1247	2443	080095	S2G02 Timing Error@-3.2
21:01:31	1257	2453	080095	S2G02 Timing Error@-4.9
21:01:53	1258	2454	080095	S3G01,S3G02 No fire
21:03:20	1262	2458	080095	S3G02,S3G03 No fire
21:03:42	1263	2459	080095	S3G01,S3G02 No fire
21:04:04	1264	2460	080095	S3G01,S3G02 No fire
21:04:26	1265	2461	080095	S3G01,S3G02 No fire
21:04:48	1266	2462	080095	S3G01,S3G02 No fire
21:05:10	1267	2463	080095	S2G02 Timing error,S3G01 No fire
21:05:53	1269	2465	080095	S2G02 Timing error,S3G01 No fire
21:06:36	1271	2467	080095	S3G01 No fire
21:06:57	1272	2468	080095	S3G01 No fire
21:08:02	1275	2471	080095	S3G02 No fire
21:09:51	1280	2476	080095	S3G01,S3G02 No fire
21:10:13	1281	2477	080095	S3G01 No fire
21:11:19	1284	2480	080095	S3G01 No fire
21:16:30	1298	2494	080095	S3G01 comm error,S3G02 No fire
21:17:37	1301	2497	080095	S3G01,S3G02 No fire
21:19:04	1305	2501	080095	S2G02 Timing error@6.7
21:20:11	1308	2504	080095	S3G01 No fire
21:20:32	1309	2505	080095	S1G02 Timing error@-2.5
21:20:54	1310	2506	080095	S1G02,S2G02 Timing error
21:22:38	1312	2508	080095	S2G02 Timing error@7.9
21:22:23	1314	2510	080095	S2G02 Timing error
21:22:43	1315	2511	080095	S2G02 Timing error

21:23:05	1316	2512	080095	S2G02 Timing error
21:23:27	1317	2513	080095	S2G02 Timing error
21:23:49	1318	2514	080095	S2G02 Timing error
21:24:12	1319	2515	080095	S2G02 Timing error
21:24:33	1320	2516	080095	S2G02 Timing error
21:24:56	1321	2517	080095	S2G02 Timing error,S3G01 No fire
21:25:17	1322	2518	080095	S2G02 Timing error
21:26:01	1324	2520	080095	S3G01,S3G02 No fire,S2G02 timing error
21:26:22	1325	2521	080095	S2G02 Timing error
21:27:49	1329	2525	080095	S2G02 Timing error
21:28:10	1330	2526	080095	S2G02 Timing error
21:28:32	1331	2527	080095	S2G02 Timing error
21:28:55	1332	2528	080095	S2G02 Timing error,S3G01 No fire
21:29:37	1334	2530	080095	S2G02 Timing error
21:29:58	1335	2531	080095	S2G02 Timing error
21:30:20	1336	2532	080095	S2G02 Timing error
21:31:04	1338	2534	080095	S2G02 Timing error
21:31:27	1339	2535	080095	S2G02 Timing error
21:32:09	1341	2537	080095	S2G02 Timing error, S3G01 No fire
21:32:30	1342	2538	080095	S2G02 Timing error
21:32:52	1343	2539	080095	S3G01,S3G02 No fire
21:33:35	1345	2541	080095	S2G02 Timing error
21:33:57	1346	2542	080095	S2G02 Timing error
21:34:20	1347	2543	080095	S2G02 Timing error, S3G01 No fire
21:34:41	1348	2544	080095	S2G02 Timing error
21:35:04	1349	2545	080095	S2G02 Timing error
21:35:26	1350	2546	080095	S2G02 Timing error, S3G02 No fire
21:36:08	1352	2548	080095	S2G02 Timing error, S3G01 No fire
21:36:48	1354	2550	080095	S2G02 Timing error
21:37:09	1355	2551	080095	S2G02 Timing error
21:37:30	1356	2552	080095	S2G02 Timing error
21:37:50	1357	2553	080095	S2G02 Timing error
21:38:09	1058	2254	080095	S2G02 Timing error
21:38:30	1359	2555	080095	S2G02 Timing error
21:39:30	1362	2558	080095	S2G02 Timing error
21:39:55	1363	2559	080095	S2G02 Timing error
21:40:38	1365	2561	080095	S3G01 No fire
21:41:00	1366	2562	080095	S3G01 No fire
21:41:22	1367	2563	080095	S2G02 Timing error
21:41:42	1368	2564	080095	S3G01 No fire
21:42:03	1369	2565	080095	S2G02 Timing error
21:42:46	1371	2567	080095	S2G02 Timing error
21:43:09	1372	2568	080095	S3G01 No fire
21:43:52	1374	2570	080095	S2G02 Timing error
21:45:17	1378	2574	080095	S2G02 Timing error
21:45:40	1379	2575	080095	S3G01,S3G02 No fire
21:46:19	1381	2577	080095	S2G02 Timing error
21:46:59	1383	2579	080095	S2G02 Timing error

21:47:41	1385	2581	080095	S2G01,S2G06 comm error
21:48:22	1387	2583	080095	S2G02 Timing error
21:48:22	1388	2584	080095	S3G01 No fire
21:49:04	1389	2585	080095	S3G01 No fire
21:49:24	1390	2586	080095	S2G02 Timing error
21:49:46	1391	2587	080095	S2G02 Timing error
21:50:08	1392	2588	080095	S2G02 Timing error
21:50:29	1393	2589	080095	S2G02 Timing error
21:51:12	1395	2591	080095	S1G02 Timing error
21:51:34	1396	2592	080095	S2G02 Timing error
21:51:56	1397	2593	080095	S2G02 Timing error
21:52:19	1398	2594	080095	S3G01 No fire
21:52:40	1399	2595	080095	S2G02 Timing error
21:53:02	1400	2596	080096	S2G02 Timing error,S3G02 No fire
21:53:43	1402	2598	080096	S2G02 Timing error
21:54:05	1403	2599	080096	S2G02 Timing error
21:54:46	1405	2601	080096	S2G02 Timing error
21:55:07	1406	2602	080096	S2G02 Timing error
21:55:29	1407	2603	080096	S3G01,S3G02 No Fire
21:55:49	1408	2604	080096	S2G02 Timing error
21:56:12	1409	2605	080096	S1G02,S2G02 Timing error
21:56:32	1410	2606	080096	S2G02 Timing error
21:58:57	1417	2613	080096	S2G02 Timing error
21:59:18	1418	2614	080096	S2G02 Timing error
22:00:43	1422	2618	080096	S3G01 No fire
22:01:23	1424	2620	080096	S2G02 Timing error
22:01:44	1425	2621	080096	S2G02 Timing error
22:02:48	1428	2624	080096	S3G01 No fire
22:03:50	1431	2627	080096	S4G01 Timing error
22:08:21	1444	2640	080096	S2G02 Timing error
22:08:21	1445	2641	080096	S2G02 Timing error
22:09:04	1447	2643	080096	S2G02 Timing error
22:10:05	1449	2645	080096	S2G02 Timing error
22:11:31	1453	2649	080096	S2G02 Timing error
22:11:51	1454	2650	080096	S2G02 Timing error
22:12:55	1457	2653	080096	S2G02 Timing error
22:13:16	1458	2654	080096	S2G02 Timing error
22:13:38	1459	2655	080096	S3G01 No fire
22:13:58	1460	2656	080096	S2G02 Timing error
22:14:21	1461	2657	080096	S2G02 Timing error
22:14:42	1462	2658	080096	S2G01 comm error
22:16:46	1468	2664	080096	S2G02 Timing error
22:17:27	1470	2666	080096	S3G01,S3G02 No Fire
22:18:08	1472	2668	080096	S2G02 Timing error
22:18:28	1473	2669	080096	S3G01 No fire
22:19:29	1476	2672	080096	S3G01 No fire
22:20:12	1478	2674	080096	S2G02 Timing error,S3G02 No fire
22:20:32	1479	2675	080096	S2G02 Timing error

22:20:52	1480	2676	080096	S2G02 Timing error
22:21:12	1481	2677	080096	S2G02 Timing error
22:21:53	1483	2679	080096	S2G02 Timing error
22:22:52	1486	2682	080096	S2G02 Timing error
22:23:29	1488	2684	080096	S2G02 disabled, S2G05 enabled, new volume = 6070
22:26:14	1496	2692	080096	S3G02 timing error
22:28:36	1503	2699	080096	S2G04 Timing error
22:29:17	1505	2701	080096	S3G01 No fire
22:29:37	1506	2702	080096	S3G02 No fire
22:35:00	1522	2718	080096	S3G01 No fire
22:35:40	1524	2720	080096	S3G01 No fire
22:36:59	1528	2724	080096	S3G01 No fire
22:37:39	1530	2726	080096	S3G01 No fire
22:39:18	1535	2731	080096	S3G01 No fire
22:39:58	1537	2733	080096	S3G01 No fire
22:41:36	1542	2738	080096	S3G01 No fire
22:42:16	1544	2740	080096	S3G01 No fire
22:43:55	1549	2745	080096	S3G01 No fire
22:44:15	1550	2746	080096	S3G01 No fire
22:46:34	1557	2753	080096	S3G01,S3G02 No fire
22:48:33	1563	2759	080096	S3G01 No fire
22:49:13	1565	2761	080096	S3G01,S3G02 No fire
22:51:45	1573	2769	080096	S3G01 No fire
22:52:39	1576	2772	080096	string 2 No shot
22:54:17	1581	2777	080096	S3G01 No fire
22:57:27	1591	2787	080096	S3G01 No fire
22:57:47	1592	2788	080096	S3G01 No fire
22:58:43	1595	2791	080096	S3G01 No fire
22:59:22	1597	2793	080096	S3G01 S3G02 No fire
22:59:41	1598	2794	080096	S3G01 No fire
23:00:19	1600	2796	080096	S3G01 S3G02 No fire
23:01:54	1605	2801	080096	S3G02 No fire
23:02:13	1606	2802	080096	S3G01 No fire
23:03:09	1609	2805	080096	S3G01 S3G02 No fire
23:04:06	1612	2808	080096	S3G01 S3G02 No fire
23:04:44	1614	2810	080096	S1G02 Timing Error
23:06:21	1619	2815	080096	S3G02 Timing Error
23:09:52	1630	2826	080096	S3G01 No fire
23:11:11	1634	2830	080096	S3G01 No fire
23:14:04	1643	2839	080096	S3G01 No fire
23:15:01	1646	2842	080096	S3G01 No fire
23:15:20	1647	2843	080096	S3G01 S3G02 No fire
23:16:20	1650	2846	080096	S3G01 No fire
23:18:39	1657	2853	080096	S3G01 S3G02 No fire
23:19:36	1660	2856	080096	S3G01 No fire
23:20:34	1663	2859	080096	S3G01 S3G02 No fire
23:20:53	1664	2860	080096	S3G01 S3G02 No fire
23:21:12	1665	2861	080096	S3G01 S3G02 No fire

23:21:31	1666	2862	080096	S3G01 No fire
23:22:08	1668	2864	080096	S3G01 S3G02 No fire
23:23:05	1671	2867	080096	S3G02 No fire
23:23:44	1673	2869	080096	S3G01 No fire
23:29:30	1691	2887	080096	S3G01 S3G02 No fire
23:32:21	1700	2896	080096	S3G02 No fire
23:32:40	1701	2897	080096	S3G02 No fire
23:33:58	1705	2901	080096	S3G01 No fire
23:36:33	1713	2909	080096	S3G02 No fire
23:36:52	1714	2910	080096	S3G01 S3G02 No fire
23:41:02	1727	2923	080096	S3G02 No fire
23:41:41	1729	2925	080096	S3G01 No fire
23:42:39	1732	2928	080096	S3G02 Timing Error
23:43:17	1734	2930	080096	S3G02 No fire
23:46:10	1743	2939	080096	S3G02 No fire
23:48:04	1749	2945	080096	S3G02 No fire
23:48:22	1750	2946	080096	S3G01 S3G02 No fire
23:50:18	1756	2952	080096	S3G01 S3G02 No fire
23:50:56	1758	2954	080096	S3G02 No fire
23:55:46	1773	2969	080096	S3G01 No fire
23:56:43	1776	2972	080096	S3G01 No fire
23:57:42	1779	2975	080096	S3G01 No fire
23:58:40	1782	2978	080096	S3G01 S3G02 No fire
00:02:51	1795	2991	080096	S3G01 No fire
00:03:50	1798	2994	080096	S3G01 No fire
00:04:09	1799	2995	080096	S3G01 No fire
00:05:07	1802	2998	080096	S3G01 No fire
00:05:26	1803	2999	080096	S3G01 No fire
00:07:03	1808	3004	080096	S3G01, S3G02 No fire
00:08:01	1811	3007	080096	S3G01, S3G02 No fire
00:09:38	1816	3012	080096	S3G02 No fire
00:10:18	1818	3014	080096	S3G01 No fire
00:11:17	1821	3017	080096	S2G01, 3, 4, 5,6, 7 Comm error
00:13:53	1829	3025	080096	S3G01 No fire
00:15:52	1835	3031	080096	S2G01.5, 6 Comm error; S3G01 no fire
00:16:32	1837	3033	080096	S3G01, S3G02 No fire
00:17:33	1840	3036	080096	S3G01 No fire
00:17:48	1841	3037	080096	S2G05, 7 comm error
00:18:12	1842	3038	080096	S3G01, S3G02 No fire
00:19:32	1846	3042	080096	S3G01 No fire
00:19:52	1847	3043	080096	S3G01 No fire
00:20:31	1849	3045	080096	S2G01, 2, 4, 5,6,7 comm error
00:21:11	1851	3047	080096	S2G06 no fire
00:21:32	1852	3048	080096	S3G01 No fire
00:21:52	1853	3049	080096	S3G01 No fire
00:22:23	1855	3051	080096	S3G01, S3G02 No fire
00:24:13	1860	3056	080096	S2G06, comm error, S3G01 no fire
00:25:55	1865	3061	080096	S2G06 comm error

00:29:17	1875	3071	080096	S3G02 timing error @ 3.2 ms
00:29:37	1876	3072	080096	S3G01, S3G02 No fire
00:30:38	1879	3075	080096	S2G01, 4, 5, 6 comm error, S3G02 no fire
00:32:19	1884	3080	080096	S3G01 No fire
00:32:39	1885	3081	080096	S3G01, S3G02 No fire
00:33:20	1887	3083	080096	S3G01 No fire
00:34:42	1891	3087	080096	S3G01 No fire
00:35:22	1893	3089	080096	S3G01, S3G02 No fire
00:35:42	1894	3090	080096	S3G01 No fire
00:36:22	1896	3092	080096	S3G01, S3G02 No fire
00:37:23	1899	3095	080096	S2G06 comm error, S3G01 no fire
00:37:43	1900	3096	080096	S3G01 No fire
00:38:24	1902	3098	080096	S3G02 No fire
00:41:07	1910	3106	080096	S3G01, S3G02 No fire
00:41:47	1912	3108	080096	S3G02 No fire
00:42:07	1913	3109	080096	S3G01, S3G02 No fire
00:42:28	1914	3110	080096	S3G01, S3G02 No fire
00:43:48	1918	3114	080096	S3G01, S3G02 No fire
00:44:49	1921	3117	080096	S2G01, 2, 6 comm error
00:46:10	1925	3121	080096	S3G02 timing error @ -2.1 ms
00:46:50	1927	3123	080096	S3G01, S3G02 No fire
00:47:10	1928	3124	080096	S2G06 comm error, S3G01, S3G02 No fire
00:47:31	1929	3125	080096	S1G02 timing error @ -2.6 ms
00:47:51	1930	3126	080096	S3G01, S3G02 No fire
00:48:32	1932	3128	080096	S3G01, S3G02 No fire
00:49:54	1936	3132	080096	S3G01, S3G02 No fire
00:50:56	1939	3135	080096	S2G06 comm error
00:51:57	1942	3138	080096	S3G01 No fire
00:52:39	1944	3140	080096	S3G01 No fire
00:52:59	1945	3141	080096	S3G01, S3G02 No fire
0054:23	1949	3145	080096	S3G01 No fire
00:54:43	1950	3146	080096	S3G01 No fire
00:56:07	1954	3150	080096	S3G02 No fire
00:56:28	1955	3151	080096	S3G01 comm error, S3G02 No fire
00:57:30	1958	3154	080096	S3G01 No fire
00:58:11	1960	3156	080096	S3G01 No fire
00:59:13	1963	3159	080096	S3G01, S3G02 No fire
00:59:34	1964	3160	080096	S3G01 No fire
01:00:15	1966	3162	080096	S3G01, S3G02 No fire
01:00:57	1968	3164	080096	S3G01, S3G02 Comm Error
01:01:18	1969	3165	080096	S3G01, S3G02 No fire
01:01:38	1970	3166	080096	S3G02 No fire
01:02:41	1973	3169	080096	S3G01, S3G02 No fire
01:03:44	1976	3172	080096	S3G01, S3G02 No fire
01:04:26	1978	3174	080096	S3G01, S3G02 No fire
01:05:07	1980	3176	080096	S3G01, S3G02 Comm Error
01:05:28	1981	3177	080096	S3G01, S3G02 No fire
01:06:52	1985	3181	080096	S3G01 No fire

01:07:13	1986	3182	080096	S3G02 No fire
01:07:34	1987	3183	080096	S3G01, S3G02 Comm Error
01:07:55	1988	3184	080096	S3G01, S3G02 No fire
01:08:17	1989	3185	080096	S3G01, S3G02 No fire
01:08:38	1990	3186	080096	S3G01, S3G02 Comm Error
01:10:45	1996	3192	080096	S3G01 No fire
01:11:27	1998	3194	080096	S3G01, S3G02 No fire
01:13:13	2003	3199	080096	S3G01, S3G02 No fire
01:16:46	2013	3209	080096	S2G01, 2, 3, 4, 5, 6 COMM ERROR
01:17:29	2015	3211	080096	S2G06 COMM ERROR, S3G02 NO FIRE
01:17:51	2016	3212	080096	S3G02 No fire
01:18:12	2017	3213	080096	S2G01, 2, 3, 4, 5, 6, 7 COMM ERROR
01:19:38	2021	3217	080096	S2G01, 2, 3, 4, 5, 6, 7 COMM ERROR, S3G01, S3G02 No fire
01:21:03	2025	3221	080096	S2G07 COMM ERROR
01:21:46	2027	3223	080096	S3G01, S3G02 No fire
01:22:07	2028	3224	080096	S2G01, 3, 4, 5, 7 COMM ERROR
0:22:28	2029	3225	080096	S3G01, S3G02 No fire
01:23:10	2031	3227	080096	S2G04 Timing error @ 2.5 ms
01:23:31	2032	3228	080096	S2G01, 2, 3, 4, 5, 6, 7 COMM ERROR
01:24:59	2036	3232	080096	S2G06 COMM ERROR
01:26:26	2039	3235	080096	S2G01, 2, 3, 5, 6, COMM ERROR
01:26:48	2040	3236	080096	S2G02 COMM ERROR
01:27:32	2041	3237	080096	S3G01, S3G02 Comm Error
01:27:54	2043	3239	080096	S3G01, S3G02 No fire
01:28:37	2044	3240	080096	S3G01 No fire
01:28:59	2045	3241	080096	S2G01, 2, 4, 5 COMM ERROR
01:29:21	2046	3242	080096	S3G01, S3G02 No fire
01:28:59	2047	3243	080096	S2G06 COMM ERROR S3G01, S3G02 No fire
01:29:21	2048	3244	080096	S3G01, S3G02 No fire
01:30:04	2050	3246	080096	S2G04, S2G05 COMM ERROR
01:31:33	2054	3250	080096	S2G06, 7 COMM ERROR. S3G01, 2 COMM ERROR
01:31:55	2055	3251	080096	S3G01, NO FIRE
01:32:17	2056	3252	080096	S2G06 COMM ERROE, S3G02 TIMING ERROR @ 2.5 MS
01:33:23	2059	3255	080096	S2G01-7 COMM ERROR, S3G01, 2 NO FIRE
01:34:07	2061	3257	080096	S3G01, S3G02 No fire
01:34:28	2062	3258	080096	S2G01-7 COMM ERROR, S3G01 NO FIRE
01:35:11	2064	3260	080096	STRING02, NO FIRE COMM ERROR
01:35:34	2065	3261	080096	S2G02-6, COMM ERROR
01:35:56	2066	3262	080096	S2G01-6 COMM ERROR
01:36:19	2067	3263	080096	S2G06 COMM ERROR
01:36:41	2068	3264	080096	S3G02, NO FIRE
01:37:03	2069	3265	080096	S2G04, COMM ERROR
01:37:48	2071	3267	080096	S3G01, NO FIRE
01:38:10	2072	3268	080096	S2G05 TIMING ERROR 2.3 MS, S3G01 NO FIRE
01:38:32	2073	3269	080096	S3G05 TIMING ERROR -2.2 MS
01:39:17	2075	3271	080096	S2G02 COMM ERROR

01:39:39	2076	3272	080096	S3G01, S3G02 No fire
01:41:31	2081	3277	080096	2g06,7 comm error
01:42:41	2084	3280	080096	S3G01, S3G02 No fire
01:43:04	2085	3281	080096	S2G02, 3, 4, 5, 7 COMM ERROR
01:43:51	2087	3283	080096	S2G07 COMM ERROR
01:33:59	2090	3286	080096	S3G01 No fire
01:45:21	2091	3287	080096	S3G01, S3G02 No fire
01:45:43	2092	3288	080096	S3G01, S3G02 No fire
01:46:47	2095	3291	080096	S2G01-7 COMM ERROR
01:47:08	2096	3292	080096	S3G01 No fire
01:47:30	2097	3293	080096	S3G02 TIMING ERROR 2.3 MS
01:48:29	2100	3296	080097	Reel change #080097
01:49:16	2102	3298	080097	S3G01, S3G02 Comm Error
01:50:43	2106	3302	080097	S3G01, S3G02 No fire
01:54:46	2117	3313	080097	S2G01, 2, 5, 7 COMM ERROR, S3G02 NO FIRE
01:55:09	2118	3314	080097	S3G01, S3G02 Comm Error
01:53:31	2119	3315	080097	S3G02 No fire
01:55:54	2120	3316	080097	S3G01, S3G02 Comm Error
01:58:56	2128	3324	080097	S3G02 TIMING ERROR 2.3 MS
01:59:19	2129	3325	080097	S3G01 No fire
02:00:04	2131	3327	080097	S2G06 COMM ERROR
02:00:27	2132	3328	080097	S2G06 COMM ERROR
02:01:59	2136	3332	080097	S3G01, S3G02 No fire
02:02:22	2137	3333	080097	S3G01 COMM ERROR
02:02:54	2138	3334	080097	S3G01, S3G02 No fire
02:05:23	2145	3341	080097	S3G02 No fire
02:06:09	2147	3343	080097	S3G01, S3G02 No fire
02:06:32	2148	3344	080097	S2G07 COMM ERROR
02:06:54	2149	3345	080097	S3G01 No fire
02:07:17	2150	3346	080097	S3G01, S3G02 No fire
02:08:26	2153	3349	080097	S3G01 No fire
02:08:48	2154	3350	080097	S3G01 No fire
02:10:19	2158	3354	080097	S3G02 No fire
02:10:42	2159	3355	080097	S3G01, S3G02 No fire
02:11:05	2160	3356	080097	S3G01 No fire
02:11:52	2162	3358	080097	S3G01 No fire
02:13:24	2166	3362	080097	S3G01, S3G02 No fire
02:14:58	2170	3366	080097	S3G01 No fire
02:15:22	2171	3367	080097	S3G01 No fire
02:16:09	2173	3369	080097	S3G01, S3G02 No fire
02:17:18	2176	3372	080097	S3G01, S3G02 No fire
02:18:53	2180	3376	080097	S3G01 No fire
02:19:40	2182	3378	080097	S3G02 No fire
02:20:04	2183	3379	080097	S3G01 No fire
02:20:28	2184	3380	080097	S3G01 No fire
02:21:16	2186	3382	080097	S3G01 No fire
02:23:20	2191	3387	080097	S3G01 No fire, S3G02 COMM ERROR
02:24:34	2194	3390	080097	S3G02 NO FIRE

02:24:58	2195	3391	080097	S3G01, S3G02 COMM ERROR
02:25:21	2196	3392	080097	S3G01, S3G02 No fire
02:28:50	2205	3401	080097	S3G01 No fire
02:29:36	2207	3403	080097	S3G01 No fire
02:29:58	2208	3404	080097	S2G01-5 COMM ERROR, S3G02 NO FIRE
02:30:22	2209	3405	080097	S3G01, S3G02 No fire
02:30:45	2210	3406	080097	S3G01 No fire
02:31:54	2213	3409	080097	S3G01, S3G02 No fire
02:32:17	2214	3410	080097	S3G01, S3G02 No fire
02:33:04	2216	3412	080097	S3G01COMM ERROR
00:33:27	2217	3413	080097	S3G02, NO FIRE
00:33:51	2218	3414	080097	S3G01, S3G02 No fire
02:35:02	2221	3417	080097	S3G01, S3G02 No fire
02:38:40	2230	3426	080097	S3G01 No fire
02:39:04	2231	3427	080097	S3G01 No fire
02:42:20	2239	3435	080097	S3G01 No fire
02:43:58	2243	3439	080097	S3G01, S3G02 No fire
02:45:10	2246	3442	080097	S3G01, S3G02 No fire
02:46:24	2249	3445	080097	S3G01, S3G02 No fire
02:46:49	2250	3446	080097	S3G01 No fire
02:48:00	2253	3449	080097	S3G01, S3G02 No fire
02:48:24	2254	3450	080097	S3G01 No fire
02:48:48	2255	3451	080097	S3G01 No fire
02:49:13	2256	3452	080097	S3G01 No fire, S4G01 TIMING ERROR 2.5 MS
02:50:24	2259	3455	080097	S3G01, S3G02 No fire
02:51:36	2262	3458	080097	S3G01 No fire
02:52:24	2264	3460	080097	S3G01, S3G02 No fire
02:54:23	2269	3465	080097	S3G01 No fire, S3G02 COMM ERROR
02:54:47	2270	3466	080097	S3G01 No fire
02:55:58	2273	3469	080097	S3G01, S3G02 No fire
02:56:45	2275	3471	080097	S3G01 No fire
02:57:08	2276	3472	080097	S3G01 No fire
02:57:32	2277	3473	080097	S3G01, S3G02 Comm Error
02:57:55	2278	3474	080097	S3G01, S3G02 No fire
02:59:29	2282	3478	080097	S3G02 No fire
02:59:52	2283	3479	080097	S3G02 TIMING ERROR -2.2 MS
03:00:17	2284	3480	080097	S3G01, S3G02 Comm Error
03:01:06	2286	3482	080097	S2G03 COMM ERROR
03:03:04	2291	3487	080097	S3G01, S3G02 No fire
03:03:14	2294	3490	080097	S3G02 No fire
03:04:38	2295	3491	080097	S3G01, S3G02 No fire
03:05:25	2297	3493	080097	S2G03 S2G04 S2G05 Comm error
03:05:48	2298	3494	080097	S3G01 No fire
03:06:35	2300	3496	080097	S2G01 to S2G07 Somm error, S3G01 S3G02 No fire
03:07:22	2302	3498	080097	S3G01 No fire
03:07:45	2303	3499	080097	S3G01 S3G02 Comm error
03:10:09	2309	3505	080097	S3G01 S3G02 Comm error
03:11:21	2312	3508	080097	S2G03 COMM ERROR

03:12:08	2314	3510	080097	S3G01 No fire
03:12:56	2316	3512	080097	S2G05 Comm error
03:13:45	2318	3514	080097	S2G05 S2G06 Comm error, S3G01 No fire
03:14:32	2320	3516	080097	S3G01 S3G02 No fire
03:14:56	2321	3517	080097	S3G01 No fire
03:15:20	2322	3518	080097	S3G01 No fire
03:18:08	2329	3525	080097	S3G01 No fire
03:18:32	2330	3526	080097	S3G01 S3G02 Comm error
03:18:56	2331	3527	080097	S3G01, 2, 3, 4, 5, 7 Comm error
03:22:09	2339	3535	080097	S2G03 COMM ERROR
03:22:33	2340	3536	080097	S3G01 No fire
03:23:46	2343	3539	080097	S3G01 S3G02 No fire
03:27:49	2353	3549	080097	S3G01 S3G02 No fire
03:30:38	2360	3556	080097	S3G01 S3G02 No fire
03:31:02	2361	3557	080097	S3G01 Comm error S3G02 no fire
03:31:26	2362	3558	080097	S2G03, S3G01 S3G02 Comm error
03:31:50	2363	3559	080097	S3G01 No fire
03:34:11	2369	3565	080097	S3G01 S3G02 No fire
03:35:23	2372	3568	080097	S3G01 No fire
03:35:47	2373	3569	080097	S3G01 No fire
03:38:09	2379	3575	080097	S2G01 to S2G05 Comm error
03:39:21	2382	3578	080097	S3G01 No fire
03:39:44	2383	3579	080097	S3G01 No fire
03:40:31	2385	3581	080097	S3G01 No fire
03:42:50	2391	3587	080097	S3G01 S3G02 No fire
03:43:13	2392	3588	080097	S2G01 S2G03 Comm error, S3G01 No fire
03:44:22	2395	3591	080097	S3G01 S3G02 No fire
03:45:07	2397	3593	080097	S3G01 No fire, S3G02 Timing error @ -2.2. ms
03:45:53	2399	3595	080097	S3G01 No fire
03:46:16	2400	3596	080097	S3G02 No fire
03:47:23	2403	3599	080097	S2G03 COMM ERROR
03:48:08	2405	3601	080097	S3G01 No fire
03:49:36	2409	3605	080097	S3G02 Comm error
03:51:04	2413	3609	080097	S3G01 No fire
03:52:32	2417	3613	080097	S3G02 No fire
03:54:24	2422	3618	080097	S3G01 No fire
03:55:09	2424	3620	080097	S3G02 No fire
03:59:43	2436	3632	080097	S3G01 No fire
04:02:26	2443	3639	080097	S3G01 S3G02 No fire
04:07:55	2457	3653	080097	S3G01 No fire
04:11:28	2466	3662	080097	S3G01 Comm Error
04:17:20	2481	3677	080097	S3G02 No fire
04:20:26	2489	3685	080097	S3G01 No fire
04:21:36	2492	3688	080097	S3G01 No fire
04:46:13	2556	3752	080097	S3G02 No fire
04:48:34	2562	3758	080097	S3G01 No fire
04:50:05	2566	3762	080097	S3G01 No fire
04:50:27	2567	3763	080097	S3G01 No fire

04:54:31	2578	3774	080097	S3G01 No fire
04:57:06	2585	3781	080097	S3G01 No fire
04:58:56	2590	3786	080097	S3G01 S3G02 No fire
05:01:07	2596	3792	080097	S3G01 No fire
05:03:39	2603	3799	080097	S3G01 No fire
05:05:27	2608	3804	080097	S3G02 No fire
05:08:45	2617	3813	080097	S3G01, S3G02 Comm Error
05:14:13	2632	3828	080097	S2G06 Delta Timing at -4.6 ms
05:14:35	2633	3829	080097	S2G06 Delta Timing at 3.5 ms
05:14:58	2634	3830	080097	S3G01 No fire
05:18:00	2642	3838	080097	S3G01 No fire
05:25:53	2663	3859	080097	S3G01 No fire
05:27:00	2666	3862	080097	S3G01 No fire
05:27:22	2667	3863	080097	S2G03 Comm Error
05:27:44	2668	3864	080097	S3G01 No fire
05:28:07	2669	3865	080097	S3G02 No fire
05:29:35	2673	3869	080097	S3G01 No fire
05:33:16	2683	3879	080097	S2G03 Comm Error
05:35:08	2688	3884	080097	S3G01 No fire
05:36:15	2691	3887	080097	S2G03 Comm Error
05:37:46	2695	3891	080097	S3G02 No fire
05:40:00	2701	3897	080097	S1G02 Delta Timing at -2.5 ms
05:40:22	2702	3898	080097	S1G02 Delta Timing at 2.3 ms
06:02:38	2761	3957	080097	S3G01 No fire
06:07:23	2774	3970	080097	S3G02 No fire
06:08:52	2778	3974	080097	S3G01 No fire
06:11:26	2785	3981	080097	S3G01 No fire
06:12:55	2789	3985	080097	S3G02 No fire
06:16:54	2800	3996	080098	reel change #080098
06:18:06	2803	3999	080098	S3G01, S3G02 No fire
06:21:06	2811	4007	080098	S3G01 COMM ERROR
06:21:28	2812	4008	080098	S4G01 Delta Timing at 2.2 ms
06:22:15	2814	4010	080098	S3G02 No fire
06:23:22	2817	4013	080098	S3G01, S3G02 No fire
06:29:59	2835	4031	080098	S3G01 No fire
06:31:05	2838	4034	080098	S3G01 No fire
06:33:15	2844	4040	080098	S2G03 COMM ERROR
06:35:47	2851	4047	080098	S3G01 No fire
06:38:05	2857	4053	080098	S3G01 No fire
06:43:52	2872	4068	080098	S2G03 COMM ERROR
07:02:17	2920	4116	080098	S3G01 No fire
07:12:41	2948	4144	080098	S3G01 No fire
07:14:30	2953	4149	080098	S3G01 No fire
07:15:13	2955	4151	080098	S3G02 No fire
07:15:35	2956	4152	080098	S3G01 No fire
07:15:56	2957	4153	080098	S3G01 No fire
07:16:40	2959	4155	080098	S3G01, S3G02 No fire
07:19:18	2966	4162	080098	S4G01 Delta Timing at -2.2 ms

07:25:14	2981	4177	080098	S3G01 No fire
07:33:13	3001	4197	080098	S3G02 No fire
07:33:37	3002	4198	080098	S3G02 No fire
07:35:36	3007	4203	080098	S3G01 No fire
07:36:47	3010	4206	080098	S3G01 No fire
07:37:35	3012	4208	080098	S3G01, S3G02 No fire
07:38:22	3014	4210	080098	S3G01 No fire
07:39:09	3016	4212	080098	S3G01 No fire
07:40:43	3020	4216	080098	S3G01 No fire
07:41:55	3023	4219	080098	S2G03 COMM ERROR, S3G02 No fire
07:42:42	3025	4221	080098	S3G01 No fire
07:43:53	3028	4224	080098	S3G01 No fire
07:44:17	3029	4225	080098	S3G01 No fire
07:45:05	3031	4227	080098	S3G01 No fire
07:45:29	3032	4228	080098	S3G01 No fire
07:45:53	3033	4229	080098	S3G01 No fire
07:47:05	3036	4232	080098	S3G01 No fire
07:48:16	3039	4235	080098	S3G01 No fire
07:50:11	3044	4240	080098	S3G01 No fire
07:51:43	3048	4244	080098	S3G01 No fire
07:52:29	3050	4246	080098	S3G01 No fire
07:54:26	3055	4251	080098	S3G01 No fire
07:55:36	3058	4254	080098	S3G01, S3G02 No fire
08:00:14	3070	4266	080098	S3G01, S3G02 No fire
08:02:30	3076	4272	080098	S3G01 No fire
08:04:03	3080	4276	080098	S3G01 No fire
08:05:36	3084	4280	080098	S3G01 No fire
08:06:45	3087	4283	080098	S3G01 No fire
08:18:39	3118	4314	080098	S3G01, S3G02 No fire
08:19:51	3121	4317	080098	S3G01, S3G02 No fire
08:21:02	3124	4320	080098	S3G01 No fire
08:28:35	3143	4339	080098	S3G01 No fire
08:33:17	3155	4351	080098	S3G01 No fire
08:36:22	3163	4359	080098	S3G01 No fire
08:43:45	3182	4378	080098	S3G01, S3G02 No fire
08:46:32	3189	4385	080098	S3G01, S3G02 No fire
08:51:24	3201	4397	080098	S3G01 No fire
08:56:22	3213	4409	080098	S3G01 No fire
09:00:05	3222	4418	080098	S3G01 No fire
09:03:48	3231	4427	080098	S3G01 No fire
09:07:54	3241	4437	080098	S3G01 No fire
09:10:44	3248	4444	080098	S3G01 No fire
09:12:20	3252	4448	080098	S3G01 No fire
09:15:33	3260	4456	080098	S3G01 No fire
09:15:58	3261	4457	080098	S3G01 No fire
09:18:51	3268	4464	080098	S3G01 No fire
09:19:16	3269	4465	080098	S3G01 No fire
09:19:40	3270	4466	080098	S3G02 No fire

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080103	080105	FGSP	1002
SP #	1002	2888	LGSP	2888

Line	MGL0908_20
Sequence	023
Direction	210

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			100	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/15/09	07/15/09
Time UTC	00:12:34	22:09:44
Volume (cu in.)	6600	5390
Streamer Depth (m)	9	9
Wind (kts)	14 SE	11 NW
Sea State (ft)	3-5 ft	3-5
Water Depth (m)	3988.7	5597.4

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS LAT 23 36.98616 N LON 125 29.96183 E
EOL POS LAT 22 09.84576N, LON 124 32.36143E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
00:13:24	1	1002	080103	SOL MGL0908_20
00:55:44	55	1056	080103	S2G07 Comm Error
01:04:20	66	1067	080103	S2G07 Comm Error
01:09:52	73	1074	080103	S2G01 S2G03 Comm Error
01:16:46	82	1083	080103	S1G02 Timing error at -2.1 ms
01:31:32	101	1102	080103	S2G05 Comm Error
02:27:33	172	1173	080103	S2G05 Comm Error
02:41:02	190	1191	080103	S2G05 Comm Error
03:55:34	290	1291	080103	S2G05 Comm Error
04:42:54	352	1353	080103	S2G05 Comm Error
04:44:30	354	1355	080103	S2G05 Comm Error
04:55:05	368	1369	080103	S2G05 Comm Error
05:26:51	411	1412	080103	S2G05 Comm Error
05:53:34	448	1449	080103	S2G05 Comm Error
05:54:58	450	1451	080103	S2G05 Comm Error
05:56:23	452	1453	080103	S2G05 Comm Error
06:11:04	473	1474	080103	S2G06 Comm Error
06:11:47	474	1475	080103	S2G05 Comm Error
06:12:30	475	1476	080103	S2G01 Comm Error
06:23:53	491	1492	080103	S2G05 Comm Error
06:28:56	498	1499	080103	S1G02 timing error @ -2.1 ms
06:48:08	526	1527	080103	S2G06 Comm Error
06:48:48	527	1528	080103	S2G04, S2G06, S2G07 Comm Error
06:49:28	528	1529	080103	S2G01, S2G04, S2G05, S2G06 Comm Error
06:50:48	530	1531	080103	S2G05 Comm Error
07:03:50	549	1550	080103	S2G05, S2G06, S2G07 Comm Error
07:04:32	550	1551	080103	S2G01, S2G03, S2G04, S2G05 Comm Error
07:07:12	554	1555	080103	miss shot
07:07:58	555	1556	080103	S3G02, S4G05 timing error
07:08:42	556	1557	080103	S3G02, S4G05 timing error
07:10:49	559	1560	080103	S2G01, S2G03-S2G08 Comm Error
07:15:46	566	1567	080103	S1G02 timing error @ -2.8 ms
07:54:05	622	1623	080103	S1G07 timing error @ 4.2 ms
07:56:01	625	1626	080103	S1G07 timing error @ -2.4 ms
07:59:14	630	1631	080103	S1G07 timing error @ -2.5 ms
08:02:29	635	1636	080103	S1G02 timing error @ -2.2 ms
08:03:48	637	1638	080103	S1G02 timing error @ -2.3 ms
08:42:34	696	1697	080103	turn off S4G05, S4G09 enabled new volume=5390
08:45:11	700	1701	080104	Reel change
08:46:35	702	1703	080104	S1G02 timing error @ -2.1 ms
09:18:35	752	1753	080104	S1G07 Timing error
09:19:54	754	1755	080104	S1G07 No fire
09:21:14	756	1757	080104	S1G07 timing error
09:23:15	759	1760	080104	S1G02 timing error
09:58:56	815	1816	080104	S1G02 timing error
09:59:33	816	1817	080104	S1G02 timing error
10:43:51	887	1888	080104	S1G02 timing error

11:14:39	935	1936	080104	S1G02 timing error
11:15:17	936	1937	080104	S1G02 timing error
11:17:11	939	1940	080104	S1G02 timing error
11:24:50	951	1952	080104	S2G02 Timing error
11:58:14	1004	2005	080104	S2G01 Comm Error
12:00:09	1007	2008	080104	S2G01, S2G03 Comm Error
12:00:47	1008	2009	080104	S2G03 Comm Error
12:02:44	1011	2012	080104	S2G04, S2G05, S2G06 Comm Error
12:03:23	1012	2013	080104	S2G01, S2G03 Comm Error
12:05:52	1016	2017	080104	S2G01, S2G07 Comm Error
12:06:28	1017	2018	080104	S2G06, S2G07 Comm Error
12:09:30	1022	2023	080104	S2G03, S2G04, S2G05 Comm Error
12:12:02	1026	2027	080104	S2G07 Comm Error
12:13:18	1028	2029	080104	S2G01 Comm Error
12:15:12	1031	2032	080104	S2G01, 3, 4, 5, 6 Comm error
12:15:50	1032	2033	080104	S2G03 Comm Error
12:17:46	1035	2036	080104	S2G07 Comm Error
12:19:02	1037	2038	080104	S2G04, S2G05, S2G07 Comm Error
12:20:20	1039	2040	080104	S2G03, S2G04, S2G05 Comm Error
12:24:10	1045	2046	080104	S2G05, S2G06, S2G07 Comm Error
12:26:46	1049	2050	080104	S2G07 timing error @ -5.6 ms
12:31:26	1056	2057	080104	S2G03, S2G04 Comm Error
12:32:06	1057	2058	080104	S2G01, S2G05 Comm error
12:34:07	1060	2061	080104	S2G07 timing error @ 4.5 ms
12:35:28	1062	2063	080104	S2G01, 3, 4, 5, 6 Comm error
12:36:09	1063	2064	080104	S2G06, S2G07 Comm error
12:36:50	1064	2065	080104	S2G01, 3, 5 Comm error
12:37:31	1065	2066	080104	S2G01, 3, 4, 5, 6, 7 Comm error
12:42:56	1073	2074	080104	S2G04, S2G05 Comm error
12:43:36	1074	2075	080104	S2G07 Comm Error
12:48:17	1081	2082	080104	S1G02 timing error @ 2.1 ms
12:48:57	1082	2083	080104	S2G01, 3, 4, 5, 6, 7 Comm error
12:49:37	1083	2084	080104	S1G02 timing error @ 2.7 ms
12:50:16	1084	2085	080104	S2G05, 6, 7 Comm error
12:53:35	1089	2090	080104	S2G06, S2G07 Comm error
12:56:15	1093	2094	080104	S2G01, 3, 4, 5, 7 Comm error
12:56:54	1094	2095	080104	S2G03, 4, 5 Comm error
12:58:13	1096	2097	080104	S2G01, 6, 7 Comm error
12:59:33	1098	2099	080104	S2G07 Comm Error
13:00:13	1099	2100	080104	S2G01 Comm Error
13:04:10	1105	2106	080104	S1G05 timing error @ 2.3 ms
13:04:49	1106	2107	080104	S2G03, 4, 7 Comm error
13:05:28	1107	2108	080104	S1G02 timing error @ -2.5 ms
13:08:05	1111	2112	080104	S2G01, 3, 4, 5, 6 Comm error
13:09:25	1113	2114	080104	S2G01, S2G03 Comm Error
13:10:04	1114	2115	080104	S2G03, 4, 5, 6, 7 Comm error
13:10:44	1115	2116	080104	S2G03, 6, 7 Comm error
13:11:23	1116	2117	080104	S2G07 Comm Error

13:13:59	1120	2121	080104	S2G03, 4, 5, 6 Comm error
13:14:38	1121	2122	080104	S2G01, 6, 7 Comm error
13:15:18	1122	2123	080104	S2G05 Comm Error
13:16:36	1124	2125	080104	S2G01, 3, 4, 5, 7 Comm error
13:21:08	1131	2132	080104	S2G01, 3, 4, 5 Comm error
13:22:25	1133	2134	080104	S2G03, 4, 5, 6, 7 Comm error
13:23:41	1135	2136	080104	S2G01, S2G05 Comm error
13:25:36	1138	2139	080104	S2G05, 6, 7 Comm error
13:26:14	1139	2140	080104	S2G07 Comm Error
13:26:52	1140	2141	080104	S2G04 Comm Error
13:27:30	1141	2142	080104	S2G05, S2G06 Comm Error
13:30:02	1145	2146	080104	S2G05, S2G06 Comm Error
13:30:40	1146	2147	080104	S2G01, 3, 4, 5, 6, 7 Comm error
13:31:56	1148	2149	080104	S2G01, 3, 4, 5, 6 Comm error
13:33:51	1151	2152	080104	S2G01,5,6,7 Comm error,S4G01 timing error@2.1 ms
13:34:30	1152	2153	080104	S2G01, S2G06 Comm Error
13:35:09	1153	2154	080104	S2G01, 4, 5, 6, 7 Comm error
13:35:48	1154	2155	080104	S2G01, 3, 4, 5 Comm error
13:39:00	1159	2160	080104	S2G01, 3, 4, 5, 6 Comm error
13:40:16	1161	2162	080104	S2G03, 4, 5, 6,7 Comm error
13:40:54	1162	2163	080104	S2G01, 4, 7 Comm error
13:41:33	1163	2164	080104	S2G03, 5, 6 Comm error
13:42:10	1164	2165	080104	S2G01 Comm Error
13:44:40	1168	2169	080104	S2G05, 6, 7 Comm error
13:45:55	1170	2171	080104	S2G01, 3, 4, 5, 7 Comm error
13:48:26	1174	2175	080104	S2G01, S2G06 Comm error
13:49:04	1175	2176	080104	S2G01, 3, 4, 5, 6, 7 Comm error
13:50:57	1178	2179	080104	S2G04, 5 Comm error
13:53:28	1182	2183	080104	S2G01, 3, 4, 5, 6, 7 Comm error
13:54:07	1183	2184	080104	S2G01, 3, 4, 5, 6, 7 Comm error
13:59:17	1191	2192	080104	S1G02 (-2.5ms), S2G04 (2.4 ms), S2G07 Comm error
13:59:56	1192	2193	080104	S1G02 , timing error @ 2.8 ms
14.01.12	1194	2195	080104	S2G01 Comm Error
14.03.14	1197	2198	080104	S2G07 Comm Error
14.06.07	1202	2203	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.06.43	1203	2204	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.07.57	1205	2206	080104	S2G01 Comm Error
14.08.35	1206	2207	080104	S2G03 Comm Error
14.09.13	1207	2208	080104	S2G01 Comm Error
14.09.50	1208	2209	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.11.44	1211	2212	080104	S2G03, 4, 5, 6, 7 Comm error
14.13.01	1213	2214	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.13.40	1214	2215	080104	S2G01, 4 Comm error
14.14.18	1215	2216	080104	S2G01, 3, 4 Comm error
14.18.05	1221	2222	080104	S2G05, 6, 7 Comm error
14.21.16	1226	2227	080104	S2G04, 5, 7 Comm error
14.21.54	1227	2228	080104	S2G01, 3, 4, 5 Comm error
14.23.10	1229	2230	080104	S2G03, 5, 6,7 Comm error

14.23.47	1230	2231	080104	S2G05 , timing error @ 3.3 ms
14.24.25	1231	2232	080104	S2G01, 3 Comm error
14.25.02	1232	2233	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.26.20	1234	2235	080104	S2G01, 3 Comm error
14.26.58	1235	2236	080104	S2G01, 3 Comm error
14.27.37	1236	2237	080104	S1G02 , timing error @ -2.7 ms
14.28.53	1238	2239	080104	S2G01, 3, 4, 6, 7 Comm error
14.30.09	1240	2241	080104	S2G04-7 Comm Error
14.30.47	1241	2242	080104	S2G01, 5, 6, 7 Comm error
14.31.24	1242	2243	080104	S2G03-7 Comm Error
14.32.01	1243	2244	080104	S2G01, 3, 4, 6, 7 Comm error
14.32.40	1244	2245	080104	S2G03-4 Comm Error
14.33.18	1245	2246	080104	S2G01, 4, 5 Comm error
14.33.55	1246	2247	080104	S2G01, 4, 5, 6 Comm error
14.34.33	1247	2248	080104	S2G01, 3, 4, 5 Comm error
14.35.48	1249	2250	080104	S2G03, 4 Comm Error
14.36.25	1250	2251	080104	S2G01, 3, 5, 7 Comm error
14.37.38	1252	2253	080104	S2G01, 4, 5, 6, 7 Comm error
14.38.52	1254	2255	080104	S2G01, 3, 4 Comm error
14.39.30	1255	2256	080104	S2G05, 6 Comm error
14.41.19	1258	2259	080104	S2G04-7 Comm Error
14.41.57	1259	2260	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.43.47	1262	2263	080104	S2G05-7 Comm Error
14.45.41	1265	2266	080104	S2G03-7 Comm Error
14.48.14	1269	2270	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.48.53	1270	2271	080104	S2G01 Comm Error
14.49.32	1271	2272	080104	S2G01, 4, 5, 6 Comm error
14.50.11	1272	2273	080104	S2G01, 4, 5, 6, 7 Comm error
14.50.49	1273	2274	080104	S2G04-7 Comm Error
14.54.03	1278	2279	080104	S2G01 Comm Error
14.55.58	1281	2282	080104	S2G03, 4, 7 Comm Error
14.58.35	1285	2286	080104	S2G01, 3, 4 Comm error
14.59.13	1286	2287	080104	S2G01, 3, 4, 5, 6, 7 Comm error
14.59.52	1287	2288	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.00.32	1288	2289	080104	S2G04, 7 Comm Error
15.01.10	1289	2290	080104	S2G03, 4, 6, 7 Comm error
15.01.49	1290	2291	080104	S2G01, 3, 4, 5, 6 Comm error
15.02.27	1291	2292	080104	S2G04-7 Comm Error
15.03.45	1293	2294	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.04.24	1294	2295	080104	S2G01 Comm Error
15.05.13	1295	2296	080104	S2G05-7 Comm Error
15.05.42	1296	2297	080104	S2G01, 3, 4, 6, 7 Comm error
15.07.01	1298	2299	080104	S2G01, 3 Comm error
15.08.18	1300	2301	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.08.59	1301	2302	080104	S2G02 Comm Error
15.10.55	1304	2305	080104	S2G01, 4, 5, 6, 7 Comm error
15.12.12	1306	2307	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.13.30	1308	2309	080104	S2G01, 4, 5, 6, 7 Comm error

15.14.09	1309	2310	080104	S2G06 Comm Error
15.14.47	1310	2311	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.15.26	1311	2312	080104	S2G03-7 Comm Error
15.17.24	1314	2315	080104	S2G07 Comm Error
15.18.03	1315	2316	080104	S2G06, 7 Comm Error
15.20.01	1318	2319	080104	S2G03, 4 Comm Error
15.20.40	1319	2320	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.21.19	1320	2321	080104	S2G01, 5 Comm Error
15.21.58	1321	2322	080104	S2G01, 3, 4, 5, 6 Comm error
15.22.38	1322	2323	080104	S2G01, 3, 4 Comm error
15.28.43	1331	2332	080104	S2G01, 4, 5, 6, 7 Comm error
15.29.24	1332	2333	080104	S2G01, 3, 4 Comm error
15.30.05	1333	2334	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.30.47	1334	2335	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.31.28	1335	2336	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.32.50	1337	2338	080104	S2G04,7 Comm Error
15.34.10	1339	2340	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.38.12	1345	2346	080104	S2G04-6 Comm Error
15.38.52	1346	2347	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.40.14	1348	2349	080104	S2G01, 3, 6 Comm error
15.41.37	1350	2351	080104	S2G01, 3, 4, 5, 7 Comm error
15.43.01	1352	2353	080104	S2G06 Comm Error
15.44.23	1354	2355	080104	S2G03 Comm Error
15.45.05	1355	2356	080104	S2G01, 3, 4, 6 Comm error
15.45.47	1356	2357	080104	S2G06 Comm Error
15.46.30	1357	2358	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.47.11	1358	2359	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.48.37	1360	2361	080104	S2G05, 7 Comm Error
15.49.19	1361	2362	080104	S2G05 timing error @ 2.9 ms
15.50.01	1362	2363	080104	S2G01, 3, 4, 5 Comm error
15.52.09	1365	2366	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.52.49	1366	2367	080104	S2G01, 5 Comm Error
15.53.32	1367	2368	080104	S2G05, 7 Comm Error
15.54.15	1368	2369	080104	S2G01, 4, 5, 6, 7 Comm error
15.54.58	1369	2370	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.56.28	1371	2372	080104	S2G01, 3, 4, 5, 6, 7 Comm error
15.57.10	1372	2373	080104	S2G01, 3, 5, 6, 7 Comm error
15.59.24	1375	2376	080104	S2G05, 7 Comm Error
16:00:54	1377	2378	080104	S2G04, 5, Comm error
16:01:39	1378	2379	080104	S2G07, Comm error
16:02:23	1379	2380	080104	S2G01, Comm error
16:03:51	1381	2382	080104	S2G04, Comm error
16:05:20	1383	2384	080104	S2G05, Comm error
16:06:05	1384	2385	080104	S2G01, 5, Comm error
16:06:50	1385	2386	080104	S2G01, 3, 4, 5, 6, 7 Comm error
16:07:35	1386	2387	080104	S2G05, Comm error
16:08:20	1387	2388	080104	S2G05, Comm error
16:09:50	1389	2390	080104	S2G01, 3, 5, 6, 7 Comm error

16:12:01	1392	2393	080104	S2G05, Comm error
16:12:45	1393	2394	080104	S2G05, Comm error
16:13:28	1394	2395	080104	S2G01, 3, 4, 5, 6, 7 Comm error
16:14:58	1396	2397	080104	S2G03, 4, 5, 6, 7 Comm error
16:15:44	1397	2398	080104	S2G01, Comm error
16:16:29	1398	2399	080104	S2G01, 3, 4, 5, 7 Comm error
16:17:57	1400	2401	080105	reel change #080105
16:19:31	1402	2403	080105	S2G05, Comm error
16:20:15	1403	2404	080105	S2G05, Comm error
16:20:58	1404	2405	080105	S2G01, 3, 4, 5, 6, 7 Comm error
16:21:43	1405	2406	080105	S2G01, 3, 4, 5, 6, 7 Comm error
16:22:28	1406	2407	080105	S2G01, Comm error
16:23:13	1407	2408	080105	S2G01, Comm error
16:24:43	1409	2410	080105	S2G01, 3, 4, 5, 6, 7 Comm error
16:28:29	1414	2415	080105	S2G01, 3, 4, 5, 6, 7 Comm error
16:29:14	1415	2416	080105	S2G01, 5 Comm error
16:29:58	1416	2417	080105	S2G03, 4, 6, 7 Comm error
16:35:08	1423	2424	080105	S2G05, Comm error
16:36:37	1425	2426	080105	S2G04, Comm error
16:37:23	1426	2427	080105	S2G07, Comm error
16:38:08	1427	2428	080105	S2G01, 3, 4, 5 Comm error
16:38:52	1428	2429	080105	S2G06, 7 Comm error
16:39:37	1429	2430	080105	S2G04, 5, 6, 7 Comm error
16:40:22	1430	2431	080105	S2G01, 3, 4, 5, 6, 7 Comm error
16:41:06	1431	2432	080105	S2G01, 6, 7 Comm error
16:41:51	1432	2433	080105	S2G01, 3, 4, 5, 7 Comm error
16:44:04	1435	2436	080105	S2G03, 7 Comm error
16:44:48	1436	2437	080105	S2G01, Comm error
16:46:55	1439	2440	080105	S2G05, Comm error
16:48:17	1441	2442	080105	S2G03, 4, 5 Comm error
16:49:41	1443	2444	080105	S2G05, Comm error
16:51:47	1446	2447	080105	S2G01, 4, 5, 6 Comm error
16:53:53	1449	2450	080105	S2G05, Comm error
16:54:35	1450	2451	080105	S2G03, 4, 7 Comm error
16:55:59	1452	2453	080105	S2G04, 6, 7 Comm error
16:56:42	1453	2454	080105	S1G02 TIMING ERROR, S2G03 comm error
16:59:31	1457	2458	080105	S2G07, Comm error
17:00:56	1459	2460	080105	S2G07, Comm error
17:03:46	1463	2464	080105	S2G05, Comm error
17:05:53	1466	2467	080105	S1G02 TIMING ERROR @ -3.2 MS
17:06:35	1467	2468	080105	S1G02 TIMING ERROR @ 2.9 MS
17:08:00	1469	2470	080105	S2G05, 6 Comm error
17:13:34	1477	2478	080105	S2G06, 7 Comm error
17:14:16	1478	2479	080105	S2G05, Comm error
17:19:14	1485	2486	080105	S2G05, 6 Comm error
17:19:56	1486	2487	080105	S2G04, Comm error
17:21:22	1488	2489	080105	S2G03, 4, 5, 6, 7 Comm error
17:22:05	1489	2490	080105	S2G03, 4, 5, 6, 7 Comm error

17:23:29	1491	2492	080105	S2G04, Comm error
17:24:55	1493	2494	080105	S2G04, Comm error
17:25:37	1494	2495	080105	S2G01, 6, 7 Comm error
17:27:46	1497	2498	080105	S2G06, Comm error
17:32:48	1504	2505	080105	S2G05, Comm error
17:33:31	1505	2506	080105	S2G04, Comm error
17:34:15	1506	2507	080105	S2G05, Comm error
17:34:59	1507	2508	080105	S2G05, Comm error
17:35:42	1508	2509	080105	S2G04, 5 Comm error
17:36:26	1509	2510	080105	S2G03, 7 Comm error
17:37:09	1510	2511	080105	S2G05, Comm error
17:38:37	1512	2513	080105	S2G01, Comm error
17:39:21	1513	2514	080105	S2G05, Comm error
17:40:48	1515	2516	080105	S2G03, 4, 6 Comm error
17:41:31	1516	2517	080105	S2G04, 5 Comm error
17:42:14	1517	2518	080105	S2G01, 3, 5, 7 Comm error
17:44:23	1520	2521	080105	S2G01, Comm error
17:46:31	1523	2524	080105	S2G06, 7 Comm error
17:47:57	1525	2526	080105	S2G01, 3, 6 Comm error
17:52:14	1531	2532	080105	S2G03, 5 Comm error
17:52:56	1532	2533	080105	S2G03, 7 Comm error
17:58:34	1540	2541	080105	S2G06 Comm error
18:00:42	1543	2544	080105	S2G05 Comm error
18:01:24	1544	2545	080105	S2G07 Comm error
18:02:07	1545	2546	080105	S2G05 Comm error
18:02:49	1546	2547	080105	S2G05 Comm error
18:03:31	1547	2548	080105	S2G03 Comm error
18:06:17	1551	2552	080105	S2G05 Comm error
18:08:23	1554	2555	080105	S2G03 Comm error
18:09:48	1556	2557	080105	S2G05 Comm error
18:09:48	1558	2559	080105	S2G01,3,4,5,6 Comm error
18:11:58	1559	2560	080105	S2G05 Comm error
18:14:52	1563	2564	080105	S2G06, 7 Comm error
18:16:20	1565	2566	080105	S3G02 Delta Timing at 2.4 ms
18:17:47	1567	2568	080105	S2G05 Comm error
18:19:15	1569	2570	080105	S2G05 Comm error
18:19:58	1570	2571	080105	S2G01, 5 Comm error
18:21:24	1572	2573	80105	String02; S2G05
18:21:24	1572	2573	80105	String02; S2G06
18:21:24	1572	2573	80105	String02; S2G07
18:22:07	1573	2574	80105	String02; S2G01
18:22:07	1573	2574	80105	String02; S2G04
18:22:07	1573	2574	80105	String02; S2G05
18:21:24	1573	2574	80105	String02; S2G06
18:21:24	1573	2574	80105	String02; S2G07
18:21:24	1576	2577	80105	String02; S2G01
18:22:07	1576	2577	80105	String02; S2G03
18:22:07	1576	2577	80105	String02; S2G04

18:22:07	1577	2578	80105	String02; S2G01
18:21:24	1577	2578	80105	String02; S2G05
18:21:24	1578	2579	80105	String02; S2G05
18:21:24	1581	2582	80105	String02; S2G01
18:22:07	1581	2582	80105	String02; S2G03
18:22:07	1581	2582	80105	String02; S2G04
18:22:07	1581	2582	80105	String02; S2G05
18:21:24	1581	2582	80105	String02; S2G06
18:21:24	1588	2589	80105	String02; S2G01
18:21:24	1588	2589	80105	String02; S2G03
18:22:07	1588	2589	80105	String02; S2G04
18:22:07	1588	2589	80105	String02; S2G05
18:22:07	1588	2589	80105	String02; S2G06
18:21:24	1588	2589	80105	String02; S2G07
18:21:24	1592	2593	80105	String02; S2G05
18:21:24	1604	2605	80105	String02; S2G04
18:22:07	1604	2605	80105	String02; S2G05
18:22:07	1604	2605	80105	String02; S2G06
18:22:07	1604	2605	80105	String02; S2G07
18:21:24	1605	2606	80105	String02; S2G01
18:21:24	1605	2606	80105	String02; S2G05
18:21:24	1610	2611	80105	String02; S2G05
18:22:07	1612	2613	80105	String02; S2G05
18:22:07	1613	2614	80105	String02; S2G04
18:22:07	1613	2614	80105	String02; S2G05
18:21:24	1613	2614	80105	String02; S2G06
18:21:24	1614	2615	80105	String02; S2G04
18:21:24	1614	2615	80105	String02; S2G05
18:22:07	1614	2615	80105	String02; S2G06
18:22:07	1615	2616	80105	String02; S2G01
18:22:07	1616	2617	80105	String02; S2G05
18:21:24	1618	2619	80105	String02; S2G05
18:21:24	1621	2622	80105	String02; S2G05
18:21:24	1625	2626	80105	String02; S2G01
18:22:07	1625	2626	80105	String02; S2G03
18:22:07	1625	2626	80105	String02; S2G04
18:22:07	1625	2626	80105	String02; S2G05
18:21:24	1625	2626	80105	String02; S2G07
18:21:24	1629	2630	80105	String02; S2G07
18:21:24	1631	2632	80105	String02; S2G05
18:22:07	1634	2635	80105	String02; S2G05
18:22:07	1636	2637	80105	String02; S2G01
18:22:07	1636	2637	80105	String02; S2G03
18:21:24	1643	2644	80105	String02; S2G05
18:21:24	1644	2645	80105	String02; S2G01
18:21:24	1644	2645	80105	String02; S2G03
18:22:07	1644	2645	80105	String02; S2G05
18:22:07	1644	2645	80105	String02; S2G06

18:22:07	1646	2647	80105	String02; S2G05
18:21:24	1647	2648	80105	String02; S2G01
18:21:24	1647	2648	80105	String02; S2G04
18:21:24	1647	2648	80105	String02; S2G05
18:22:07	1648	2649	80105	String02; S2G04
18:22:07	1648	2649	80105	String02; S2G05
18:22:07	1648	2649	80105	String02; S2G06
18:21:24	1648	2649	80105	String02; S2G07
18:21:24	1649	2650	80105	String02; S2G06
18:21:24	1650	2651	80105	String02; S2G05
18:22:07	1655	2656	80105	String02; S2G05
18:22:07	1656	2657	80105	String02; S2G01
18:22:07	1656	2657	80105	String02; S2G03
18:21:24	1658	2659	80105	String02; S2G04
18:21:24	1658	2659	80105	String02; S2G05
18:21:24	1659	2660	80105	String02; S2G07
18:22:07	1660	2661	80105	String02; S2G05
18:22:07	1661	2662	80105	String02; S2G03
18:22:07	1661	2662	80105	String02; S2G05
18:21:24	1666	2667	80105	String02; S2G01
18:21:24	1666	2667	80105	String02; S2G04
18:21:24	1666	2667	80105	String02; S2G05
18:22:07	1666	2667	80105	String02; S2G07
18:22:07	1667	2668	80105	String02; S2G03
18:22:07	1667	2668	80105	String02; S2G05
18:21:24	1668	2669	80105	String02; S2G05
18:21:24	1668	2669	80105	String02; S2G06
18:21:24	1668	2669	80105	String02; S2G07
18:22:07	1670	2671	80105	String02; S2G01
18:22:07	1670	2671	80105	String02; S2G05
18:22:07	1671	2672	80105	String02; S2G01
18:21:24	1671	2672	80105	String02; S2G04
18:21:24	1674	2675	80105	String02; S2G07
18:21:24	1676	2677	80105	String02; S2G07
18:22:07	1677	2678	80105	String02; S2G04
18:22:07	1677	2678	80105	String02; S2G07
18:22:07	1680	2681	80105	String02; S2G05
18:21:24	1681	2682	80105	String02; S2G03
18:21:24	1681	2682	80105	String02; S2G05
18:21:24	1683	2684	80105	String02; S2G01
18:22:07	1683	2684	80105	String02; S2G03
18:22:07	1683	2684	80105	String02; S2G04
18:22:07	1683	2684	80105	String02; S2G05
18:21:24	1683	2684	80105	String02; S2G06
18:21:24	1683	2684	80105	String02; S2G07
18:21:24	1686	2687	80105	String02; S2G05
18:22:07	1691	2692	80105	String01; S1G02
18:21:24	1695	2696	80105	String02; S2G06

18:21:24	1695	2696	80105	String02; S2G07
18:21:24	1699	2700	80105	String02; S2G04
19:55:14	1704	2705	80105	S2G01, S2G03-S2G07 Comm Error
19:58:09	1708	2709	80105	S2G03 Comm error
19:58:53	1709	2710	80105	S2G06 Comm error
19:59:37	1710	2711	80105	S2G01 Comm error
20:00:21	1711	2712	80105	S2G07 Comm error
20:01:49	1713	2714	80105	S2G01, S1G04, S1G05 comm error
20:03:15	1715	2716	80105	S2G01, S1G03-S1G07 Comm error
20:04:00	1716	2717	80105	S2G04 - S2G06 Comm error
20:04:43	1717	2718	80105	S2G01 Comm error
20:05:26	1718	2719	80105	S2G01, S2G03-S2G07 Comm error
20:06:10	1719	2720	80105	S2G05 Comm error
20:06:53	1720	2721	80105	S1G02 Timing error; S2G01, S2G03-S2G07 Comm error
20:07:36	1721	2722	80105	S1G02 Timing error
20:07:36	1722	2723	80105	S2G01, S2G03-S2G07 Comm error
20:09:45	1724	2725	80105	S2G06, S2G07 Comm error
20:11:11	1726	2727	80105	S2G03 Comm error
20:11:54	1727	2728	80105	S2G04-S2G07 Comm error
20:12:37	1728	2729	80105	S2G01, S2G03-S2G07 Comm error
20:13:09	1729	2730	80105	S2G06 Comm error
20:14:02	1730	2731	80105	S2G03 Comm error
20:15:28	1732	2733	80105	S2G05-S2G07 Comm error
20:16:11	1733	2734	80105	S2G05 Comm error
20:17:38	1735	2736	80105	S2G01, S2G03 Comm Error
20:18:21	1736	2737	80105	S2G03, S2G04 Comm Error
20:19:04	1737	2738	80105	S2G05 Comm error
20:19:48	1738	2739	80105	S2G03-S2G07 Comm error
20:21:55	1741	2742	80105	S2G05-S2G07 Comm error
20:22:38	1742	2743	80105	S2G03-S2G07 Comm error
20:23:21	1743	2744	80105	S2G04 Timing error
20:27:42	1749	2750	80105	S2G01, S2G03, S2G05, S2G07 Comm error
20:28:26	1750	2751	80105	S2G04 Timing error
20:29:54	1752	2753	80105	S2G05 Comm error
20:31:22	1754	2755	80105	S2G05 Comm error
20:35:48	1760	2761	80105	S2G05, S2G06 Comm Error
20:38:47	1764	2765	80105	S2G07 Comm error
20:40:17	1766	2767	80105	S2G05 Comm error
20:41:01	1767	2768	80105	S2G03 Comm error
20:41:46	1768	2769	80105	S2G03-S2G07 Comm error
20:42:31	1769	2770	80105	S2G01 Comm error
20:44:44	1772	2773	80105	S2G05 Comm error
20:45:28	1773	2774	80105	S2G01, S2G03, S2G05, S2G06 Comm error
20:46:55	1775	2776	80105	S2G01, S2G03, S2G06 Comm error
20:47:40	1776	2777	80105	S2G04, S2G06, S2G07 Comm Error
20:50:37	1780	2781	80105	S2G05 Comm error
20:54:19	1785	2786	80105	S2G05-S2G07 Comm error

Time UTC	FILE	SP	Tape	Description
22:45	2	1010	080106	SOL (Volume = 6420)
22:45:50	4	1012	080106	S1G02 Timing error
22:47:27	9	1017	080106	S1G02 Timing error
22:48:05	11	1019	080106	S2G03, S2G06 Comm error
22:52:16	24	1032	080106	S1G02 Timing error
22:54:19	30	1038	080106	S2G03 Comm error
22:54:40	31	1039	080106	S2G05 Comm error
22:56:42	37	1045	080106	S2G05 Comm error
23:01:10	50	1058	080106	S2G01 Comm error
23:04:20	59	1067	080106	S2G04-S2G07 Comm error
23:11:15	78	1086	080106	S2G04, S2G05 Comm error
23:12:41	82	1090	080106	S2G07 Comm error
23:14:50	88	1096	080106	S2G01, S2G05 Comm error
23:37:41	151	1159	080106	S1G02 Timing error
23:42:42	165	1173	080106	S2G05 Comm error
23:59:31	212	1220	080106	S2G01, S2G07 Comm error
23:59:53	213	1221	080106	S2G03, S2G04 Comm error
00:03:25	223	1231	080106	S2G01, S2G03-S2G07 Comm error
00:05:13	228	1236	080106	S2G05 Comm error
00:07:01	233	1241	080106	S2G05 Comm error
00:08:05	236	1244	080106	S2G05 Comm error
00:08:27	237	1245	080106	S2G01 Comm error
00:08:48	238	1246	080106	S2G05 Comm error
00:14:07	253	1261	080106	S2G03, S2G05, S2G07 Comm error
00:16:15	259	1267	080106	S2G01 Comm error
00:24:31	282	1290	080106	S2G05 Comm error
00:26:19	287	1295	080106	S2G05 Comm error
00:52:31	362	1370	080106	S2G05 Comm error
01:06:40	403	1411	080106	S2G05 Comm error
01:07:01	404	1412	080106	S2G03 Comm error
01:07:22	405	1413	080106	S2G05 Comm error
01:11:12	416	1424	080106	S2G01 Comm error
01:11:32	417	1425	080106	S2G01, S2G03, S2G04, S2G05 Comm error
01:12:56	421	1429	080106	S1G02 timing error @ -2.3 ms
01:13:17	422	1430	080106	S1G02 timing error @ 2.7 ms
01:14:41	426	1434	080106	S2G05 Comm error
01:15:23	428	1436	080106	S1G02 timing error @ -2.3 ms
01:16:47	432	1440	080106	S2G06, S2G07 Comm error
01:18:11	436	1444	080106	S2G03, S2G05 Comm error
01:18:31	437	1445	080106	S2G05 Comm error
01:18:52	438	1446	080106	S2G01, S2G03 Comm error
01:20:15	442	1450	080106	S2G03 Comm error
01:20:36	443	1451	080106	S2G05, S2G06, S2G07 Comm error
01:21:17	445	1453	080106	S2G01 Comm error
01:21:39	446	1454	080106	S2G07 Comm error
01:21:59	447	1455	080106	S2G03, S2G04, S2G07 Comm error
01:22:20	448	1456	080106	S2G05 Comm error

01:22:40	449	1457	080106	S2G05 Comm error
01:23:21	451	1459	080106	S2G05, S2G06, S2G07 Comm error
01:24:03	453	1461	080106	S2G07 Comm error
01:25:45	458	1466	080106	S2G05 Comm error
01:27:07	462	1470	080106	S2G01, S2G07 Comm error
01:28:29	466	1474	080106	S2G05 Comm error
01:33:15	480	1488	080106	S2G01 Comm error
01:34:57	485	1493	080106	S2G05 Comm error
01:36:17	489	1497	080106	S2G06, S2G07 Comm error
01:39:43	499	1507	080106	S2G01, S2G05 Comm error
01:40:24	501	1509	080106	S2G05 Comm error
01:40:45	502	1510	080106	S2G05 Comm error
01:43:09	509	1517	080106	S2G05 Comm error
01:43:29	510	1518	080106	S2G01 Comm error
01:44:53	514	1522	080106	S2G01, S2G04 Comm error
01:48:19	524	1532	080106	S2G03 Comm error
01:48:39	525	1533	080106	S2G05, S2G06, S2G07 Comm error
01:50:24	530	1538	080106	S2G01, 3, 4, 5, 6, 7 Comm error
01:50:45	531	1539	080106	S2G04, 5, 6 Comm error
02:03:19	567	1575	080106	S1G02 timing error @ -2.5 ms; S2G05 Comm error
02:08:15	581	1589	080106	S2G03, S2G05 Comm error
02:11:03	589	1597	080106	S2G07 Comm error
02:25:18	601	1609	080106	S2G05 Comm error
02:16:01	603	1611	080106	S2G04, 5, 6, 7 Comm error
02:19:13	612	1620	080106	S2G05 Comm error
02:20:39	616	1624	080106	S2G05 Comm error
02:21:22	618	1626	080106	S2G05 Comm error
02:23:08	623	1631	080106	S2G01 Comm error
02:23:29	624	1632	080106	S2G05 Comm error
02:24:53	628	1636	080106	S2G06 Comm error
02:30:47	645	1653	080106	S2G07 Comm error
02:31:49	648	1656	080106	S2G05 Comm error
02:32:30	650	1658	080106	S2G05 Comm error
02:37:24	664	1672	080106	S2G05 Comm error
02:38:07	666	1674	080106	S2G01, 4, 6 Comm error
02:42:05	677	1685	080106	S2G07 Comm error
02:50:15	700	1708	080107	Reel Change
02:57:13	719	1727	080107	S2G05 Comm error
03:07:22	747	1755	080107	S2G05 Comm error
03:07:43	748	1756	080107	S2G04 Comm error
03:08:05	749	1757	080107	S2G05 Comm error
03:08:26	750	1758	080107	S2G04, 5, 6 Comm error
03:11:41	759	1767	080107	S2G04 Comm error
03:16:22	772	1780	080107	S2G04, 5 Comm error
03:21:26	786	1794	080107	S2G01 Comm error
03:22:31	789	1797	080107	S2G05 Comm error
03:24:19	794	1802	080107	S2G04, 5 Comm error
03:38:32	833	1841	080107	S2G01 Comm error

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080108	080108	FGSP	1011
SP #	1011	1536	LGSP	1536

Line	MGL0908_11A
Sequence	025
Direction	22.4

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/16/09	07/16/09
Time UTC	04:44	08:28
Volume (cu in.)	6420	6420
Streamer Depth (m)	9	9
Wind (kts)	16 NE	25N
Sea State (ft)	3-5	3-5
Water Depth (m)	5854	6086.5

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 22 37.76235 N 124 27.07391 E
EOL Pos 22 51.32360N 124 31.69391E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080109	080110	FGSP	1010
SP #	1010	2250	LGSP	2250

Line	MGL0908_32
Sequence	026
Direction	180

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/16/09	07/16/09
Time UTC	09:21	18:01
Volume (cu in.)	6420	5450
Streamer Depth (m)	12	12
Wind (kts)	24@N	28.9 @ SW
Sea State (ft)	3-5ft	3-5
Water Depth (m)	5974.4	5674.2

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 22 48.29700N 124 32.50643E
Cable Set 13 meters
EOL 22 16.08044N 124 31.91386E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
09:21:43	1	1010	080109	SOL Volume=6420
09:57:11	89	1098	080109	S4G01 Timing Error
09:58:02	91	1100	080109	S4G01 Timing Error
10:46:14	208	1217	080109	SP Number jump from 1217 to 1260 in shot log record
10:46:52	209	1260	080109	
10:51:13	219	1270	080109	S1G02 Timing Error
11:00:58	242	1293	080109	S1G02 Timing Error
11:01:24	243	1294	080109	S1G02 Timing Error
11:12:45	271	1322	080109	S2G05 Timing Error
11:18:28	286	1337	080109	S1G02 Timing Error
11:29:06	313	1364	080109	S1G02 Timing Error
11:29:27	314	1365	080109	S1G02 Timing Error
11:29:50	315	1366	080109	S1G02 Timing Error
12:27:10	454	1505	080109	S1G02 Timing Error @ -3.0 ms
12:27:36	455	1506	080109	S1G02 Timing Error @ 2.7 ms
12:38:19	480	1531	080109	S1G02 Timing Error @ -2.3 ms
12:38:42	481	1532	080109	S1G02 Timing Error @ 2.1 ms
13:01:48	535	1586	080109	S1G02 Timing Error @ -2.2 ms
13:12:04	559	1610	080109	S1G02 Timing Error @ -2.2 ms
13:12:56	561	1612	080109	S3G02 timing error @ -2.1 ms
13:16:24	569	1620	080109	S2G04 timing error @ -6.2 ms
13:17:14	571	1622	080109	S2G04 timing error @ 4.6 ms
13:19:27	576	1627	080109	S3G02 timing error @ -2.2 ms
13:23:50	586	1637	080109	S4G01 Timing Error @ 2.6 ms
13:27:14	594	1645	080109	S1G02 Timing Error @ -2.6 ms
13:31:43	604	1655	080109	S1G02 Timing Error @ -2.1 ms
13:32:33	606	1657	080109	S1G02 Timing Error @ 2.2 ms
14:04:14	678	1729	080109	S1G02 Timing Error @ -2.4 ms
14:14:25	700	1751	010110	Reel Change
14:16:00	703	1754	010110	S4G01 Timing Error @ 2.3 ms
14:30:49	736	1787	010110	S1G02 Timing erroe @ -2.4 ms
14:31:42	738	1789	010110	S3G02 Timing erroe @ 2.3 ms
14:44:25	765	1816	010110	S4G01 Timing Error @ 2.2 ms
14:53:44	785	1836	010110	S4G01 Timing Error @ -2.1 ms
14:54:35	787	1838	010110	S4G01 Timing Error @ 2.1 ms
15:25:19	854	1905	010110	S3G02 timing error @ -2.1 ms
15:26:11	856	1907	010110	S3G02 timing error @ 2.2 ms
15:39:17	885	1936	010110	S4G01 Timing Error @ -2.2 ms
15:40:44	888	1939	010110	S1G02 Timing erroe @ -2.3 ms
15:51:24	911	1962	010110	S4G01 Timing Error @ -2.3 ms
16:19:32	971	2022	010110	S3G02 timing error @ 2.3 ms
16:20:57	974	2025	010110	S3G02 timing error @ -2.6 ms
16:28:47	992	2043	010110	S3G02 timing error @ 2.4 ms
16:30:13	995	2046	010110	S2G06 timing error @ -6.3 ms
16:31:56	999	2050	010110	S2G06 timing error @ 4.9 ms
16:32:26	1000	2051	010110	S2G06 timing error @ 5.1 ms
16:32:51	1001	2052	010110	S2G06 timing error @ -2.7 ms

Time UTC	FILE	SP	Tape	Description
18:03:56	1	2751	080111	SOL; S2G04 Timing Error @ 2.6 ms; S1G04 Timing Error @ 6.1 ms
18:10:20	8	2758	080111	S2G05 Delta Timing at 2.9 ms
18:12:46	11	2761	080111	S3G05 Delta Timing at 2.9 ms
18:30:50	33	2783	080111	S2G05 Delta Timing at 2.5 ms
18:42:58	47	2797	080111	S3G02 Delta Timing at -2.3 ms
19:08:36	77	2827	080111	S3G02 Delta Timing at 2.6 ms
19:19:45	91	2841	080111	S1G02 Delta Timing at -3.0 ms
20:07:09	149	2899	080111	S2G04, S2G05 Timing Error
20:10:35	153	2903	080111	S1G02 Delta Timing at 2.2 ms
20:27:48	172	2922	080111	S3G02 Delta Timing at 2.3 ms
20:33:01	178	2928	080111	S2G04 Delta Timing at -2.2 ms
20:34:47	180	2930	080111	S2G04 Delta Timing at 2.1 ms
20:59:54	208	2958	080111	S3G02 Delta Timing at -2.2 ms
21:14:37	224	2974	080111	S3G02 Delta Timing at -2.3 ms, S4G01 Delta Timing at -2.9 ms
21:17:20	227	2977	080111	S3G02 Delta Timing at 2.1 ms
21:40:55	253	3003	080111	S4G01 Delta Timing at 2.6 ms
21:42:54	255	3005	080111	S2G04 Delta Timing at 2.4 ms; S4G01 Delta Timing at -2.6 ms
21:46:00	258	3008	080111	S2G04 Delta Timing at -2.2 ms
21:49:45	262	3012	080111	S2G04 Delta Timing at 4.2 ms
21:50:39	263	3013	080111	S2G04 Delta Timing at 2.6 ms
21:53:39	266	3016	080111	S2G04 Delta Timing at -2.5 ms
21:57:42	270	3020	080111	S3G02 Delta Timing at -2.7 ms
21:59:39	272	3022	080111	S4G01 Delta Timing at -2.3 ms
22:02:36	275	3025	080111	S4G01 Delta Timing at 2.3 ms
22:06:33	279	3029	080111	S2G04 Delta Timing at 2.8 ms
22:08:30	281	3031	080111	S2G04 Delta Timing at -2.5 ms
22:15:29	288	3038	080111	S4G01 Delta Timing at 2.2 ms
22:14:15	316	3066	080111	S3G02 Delta Timing at 2.4 ms
22:54:35	326	3076	080111	S4G01 Delta Timing at -2.3 ms
23:13:28	343	3093	080111	S2G04 Delta Timing at -2.1 ms
23:27:15	356	3106	080111	S4G01 Delta Timing at -2.4 ms
23:32:19	361	3111	080111	S4G01 Delta Timing at 2.2 ms
23:45:31	373	3123	080111	S4G01 Delta Timing at 2.1 ms
23:56:36	383	3133	080111	S3G02 Delta Timing at 2.9 ms
00:13:22	398	3148	080111	S2G04 Delta Timing Error (DTE) @ 2.3 ms; S3G02 DTE @ -2.4 ms
00:14:26	399	3149	080111	S4G01 DTE @ 2.2 ms
00:15:32	400	3150	080111	S2G04 DTE @ -2.1 ms
00:17:38	402	3152	080111	S4G01 DTE @ -2.3 ms
00:33:46	417	3167	080111	S4G01 DTE @ -2.2 ms
00:36:54	420	3170	080111	S2G05 DTE @ -2.5 ms
00:41:05	424	3174	080111	S2G05 DTE @ 2.9 ms
00:45:18	428	3178	080111	S3G02 DTE @ 2.1 ms
01:01:02	443	3193	080111	S3G02 DTE @ 2.3 ms
01:03:00	445	3195	080111	S3G04 DTE @ -2.5 ms
01:05:03	447	3197	080111	S4G01 DTE @ -2.1 ms
01:13:29	455	3205	080111	S2G04 DTE @ 3.1 ms
01:14:33	456	3206	080111	S2G04 DTE @ -2.5 ms

01:16:35	458	3208	080111	S2G04 DTE @ -2.1 ms; S2G05 DTE @ 2.1 ms
01:17:38	459	3209	080111	S4G01 DTE @ -2.4 ms
01:20:50	462	3212	080111	S3G02 DTE @ -2.1 ms
01:30:07	471	3221	080111	S4G01 DTE @ -3.0 ms
01:32:19	473	3223	080111	S4G01 DTE @ 2.5 ms
01:40:02	480	3230	080111	S4G01 DTE @ -3.2 ms
01:44:19	484	3234	080111	S3G02 DTE @ 3.0 ms
01:58:23	497	3247	080111	S2G05 DTE @ 3.4 ms
02:00:48	499	3249	080111	S4G01 DTE @ 2.5 ms
02:02:00	500	3250	080111	S3G02 DTE @ -2.1 ms
02:05:14	503	3253	080111	S2G05 DTE @ -3.5 ms; S3G02 DTE @ 2.3 ms
02:06:11	504	3254	080111	S2G05 DTE @ -3.7 ms
02:21:55	519	3269	080111	S3G02 DTE @ 2.5 ms
02:34:49	531	3281	080111	S2G04 DTE @ 2.4 ms; S2G05 DTE @ 3.0 ms
02:35:55	532	3282	080111	S3G02 DTE @ 2.1 ms
02:37:03	533	3283	080111	S2G05 DTE @ -3.5 ms; S4G01 DTE @ -2.5 ms
02:52:59	548	3298	080111	S4G01 DTE @ 2.1 ms
02:55:11	550	3300	080111	S4G01 DTE @ -2.8 ms
03:03:42	558	3308	080111	S3G10 DTE @ 2.1 ms
03:09:07	563	3313	080111	S2G04 DTE @ 2.3 ms
03:14:10	568	3318	080111	SIG02 DTE @ -2.1 ms
03:24:42	578	3328	080111	SIG02 DTE @ -2.1 ms
03:25:44	579	3329	080111	S4G01 DTE @ -2.5 ms
03:35:32	588	3338	080111	S4G01 DTE @ 2.4 ms
03:36:38	589	3339	080111	S4G01 DTE @ -2.4 ms
03:37:45	590	3340	080111	S4G01 DTE @ -2.4 ms
03:38:52	591	3341	080111	S3G07, 8, 9, 10 NO FIRE
03:39:57	592	3342	080111	S3G01, 2, 3, 4, 6, 7, 8, 9, 10 no fire
03:45:13	597	3347	080111	S2G05 DTE @ 2.7 ms
03:54:10	605	3355	080111	S4G01 DTE @ 2.8 ms
03:58:29	609	3359	080111	S2G05 DTE @ 2.3 ms
04:02:01	612	3362	080111	S4G01 DTE @ 2.2 ms
04:13:29	621	3371	080111	S2G05 DTE @ 2.1 ms
04:14:42	622	3372	080111	S2G05 DTE @ -2.8 ms
04:31:09	637	3387	080111	S3G02 DTE @ 2.3 ms
04:33:15	639	3389	080111	S4G01 DTE @ 2.1 ms
04:34:21	640	3390	080111	S1G02 DTE @ 2.1 ms
04:37:38	643	3393	080111	S3G02 DTE @ -2.2 ms
04:40:53	646	3396	080111	S3G02 DTE @ 2.4 ms
05:01:39	665	3415	080111	S2G04, 5 DTE 2.3, 2.9 ms
05:03:41	667	3417	080111	S2G04, 5 DTE -2.5, -2.6 ms
05:09:14	672	3422	080111	S2G04, 5 DTE 2.2, 2.8 ms
05:13:30	676	3426	080111	S1G02 DTE @ 2.2 ms/S2G05 DTE @ -2.6 ms
05:34:12	695	3445	080111	S2G04 DTE @ 2.5 ms
05:41:06	701	3451	080112	Reel change; S3G02 DTE @ -2.8 ms
06:00:50	719	3469	080112	start of streamer noise
06:11:36	729	3479	080112	S2G05 DTE @ 2.2 ms
06:13:53	731	3481	080112	S3G02 DTE @ 2.3 ms

Time UTC	FILE	SP	Tape	Description
14:48:08	1	3336	080113	SOL MGL0908_20B, S1G05 DTE @ -2.4 ms
15:19:29	35	3370	080113	S2G05 DTE @ 2.2 ms
15:24:40	41	3376	080113	S2G05 DTE @ -2.4 ms
15:30:44	48	3383	080113	S2G05 DTE @ 2.3 ms
15:39:48	58	3393	080113	S4G01 DTE @ -2.2 ms
15:40:38	59	3394	080113	S2G04 DTE @ 2.4 ms
15:41:27	60	3395	080113	S1G02 DTE @ -2.6 ms
15:42:14	61	3396	080113	S1G02 DTE @ 2.9 ms
15:43:04	62	3397	080113	S2G04 DTE @ -2.1 ms
15:52:56	73	3408	080113	S2G04 DTE @ 2.9 ms, S2G05 DTE @ 5.1 ms
15:58:23	79	3414	080113	S2G05 DTE @ -3.8 ms
16:21:52	106	3441	080113	S2G05 DTE @ 3.2 ms
16:23:45	108	3443	080113	S2G05 DTE @ -2.8 ms
16:54:24	144	3479	080113	S2G04 DTE @ 2.8 ms
17:13:08	165	3500	080113	S2G04 DTE @ 2.3 ms
18:41:18	270	3605	080113	S2G04 DTE @ -3.0 ms
19:00:52	294	3629	080113	S2G04 DTE @ -2.1 ms
19:12:28	309	3644	080113	S1G02 DTE @ -2.4 ms
19:21:14	320	3655	080113	S2G04 DTE @ 2.3 ms
19:39:00	343	3678	080113	S2G04 DTE @ -2.3 ms
19:39:50	344	3679	080113	S2G04 DTE @ -2.7 ms
20:46:22	428	3763	080113	S2G04 DTE @ 2.5 ms, S2G05 DTE @ 2.4 ms
21:22:30	474	3809	080113	S2G04 DTE @ -3.1 ms
21:23:59	476	3811	080113	S2G04 DTE @ 2.7 ms
21:27:08	480	3815	080113	S2G04 DTE @ 2.1 ms, S2G05 DTE @ 2.2 ms
21:33:26	488	3823	080113	S2G05 DTE @ -2.1 ms
21:55:13	515	3850	080113	S1G02 DTE @ -2.5 ms
21:56:05	516	3851	080113	S2G05 DTE @ 2.1 ms
22:34:06	563	3898	080113	S2G05 DTE @ 2.1 ms
22:44:01	575	3910	080113	S2G04 DTE @ 2.3 ms
22:45:37	577	3912	080113	S1G02 DTE @ -2.2 ms
23:00:37	595	3930	080113	S4G01 DTE @ 2.1 ms
23:11:58	608	3943	080113	S2G04 DTE @ 2.1 ms
23:19:27	617	3952	080113	S2G04 DTE @ -2.3 ms
00:07:02	672	4007	080113	S2G04 DTE @ 2.6 ms
00:30:03	700	4035	080113	Reel Change #080114
00:48:25	723	4058	080114	S2G05 DTE @ 2.3 ms
00:49:54	725	4060	080114	S2G04 DTE @ -2.5 ms
01:08:06	748	4083	080114	S2G05 DTE @ 4.0 ms
01:19:10	762	4097	080114	S1G02 DTE @ -2.4 ms
01:20:02	763	4098	080114	S1G02 DTE @ 2.2 ms
01:22:29	766	4101	080114	S2G05 DTE @ -2.6 ms
01:51:39	802	4137	080114	S1G02 DTE @ -3.1 ms
01:52:28	803	4138	080114	S1G02 DTE @ 3.2 ms
02:11:17	826	4161	080114	S2G04 DTE @ 3.0 ms
02:37:49	858	4193	080114	S2G04 DTE @ 2.8 ms, S2G05 DTE @ 4.8 ms
02:39:24	860	4195	080114	S2G04 DTE @ -3.5 ms, S2G05 DTE @ -3.6 ms

02:46:52	869	4204	080114	S2G04 DTE @ 2.8 ms
02:50:10	873	4208	080114	S2G04 DTE @ -2.6 ms
03:00:47	886	4221	080114	S4G01 DTE @ 2.2 ms
03:15:19	904	4239	080114	S2G04 DTE @ -2.2 ms
03:22:32	913	4248	080114	S2G04 DTE @ 2.4 ms
03:31:09	923	4258	080114	S2G05 DTE @ -2.3 ms
03:34:27	927	4262	080114	S2G04 DTE @ -2.4 ms
03:57:01	954	4289	080114	S1G02 DTE @ -3.4 ms
04:26:40	989	4324	080114	S2G04 DTE @ -2.5 ms
04:32:37	996	4331	080114	S1G02, S2G04 DTE @ -2.2, 6.1 ms
04:33:27	997	4332	080114	S1G02 DTE @ 2.2 ms
04:46:34	1012	4347	080114	S2G05 DTE @ 2.1 ms
06:03:17	1102	4437	080114	S4G01 DTE @ 2.2 ms
07:09:03	1178	4513	080114	S4G01 DTE @ 2.7 ms
07:38:05	1213	4548	080114	S2G05 DTE @ 3.3 ms
07:38:53	1214	4549	080114	S2G05 DTE @ -2.1 ms
07:42:06	1218	4553	080114	S1G02 DTE @ -2.5 ms
07:45:17	1222	4557	080114	S1G02 DTE @ -3.0 ms
07:46:04	1223	4558	080114	S1G02 DTE @ 3.0 ms
08:01:13	1241	4576	080114	S4G01 DTE @ 2.2 ms
09:53:39	1377	4712	080114	S2G05 DTE @ 3.3 ms
10:06:25	1393	4728	080114	S2G05 DTE @ -2.1 ms
10:12:25	1400	4735	080115	Reel Change
10:23:35	1413	4748	080115	S4G01 DTE @ 2.1 ms
11:53:44	1523	4858	080115	S4G02 DTE @ -2.2 ms
12:00:10	1531	4866	080115	S2G05 DTE @ 3.6 ms
12:02:28	1534	4869	080115	S2G05 DTE @ -2.9 ms
12:18:26	1555	4890	080115	S2G04 DTE @ 3.9 ms
15:08:49	1787	5122	080115	S2G05 DTE @ 2.4 ms
15:23:52	1808	5143	080115	S2G05 DTE @ 2.6 ms
15:55:48	1852	5187	080115	S2G05 DTE @ -2.2 ms
18:39:48	2083	5418	080115	S2G05 DTE @ 3.4 ms
18:42:45	2087	5422	080115	S2G05 DTE @ -2.9 ms
18:51:54	2100	5435	080116	Reel Change #080116
19:02:24	2114	5449	080116	S2G01 DTE @ -3.3 ms
19:05:23	2118	5453	080116	S2G01 DTE @ 2.2 ms
19:06:53	2120	5455	080116	S1G02 DTE @ -3.3 ms
19:07:37	2121	5456	080116	S1G02 DTE @ 2.1 ms
21:47:13	2340	5675	080116	S2G06 DTE @ 5.8 ms
21:48:42	2342	5677	080116	S2G06 DTE @ -4.1 ms
21:55:15	2351	5686	080116	S2G05 DTE @ 2.3 ms
22:46:31	2422	5757	080116	S1G02 DTE @ -2.8 ms
22:47:14	2423	5758	080116	S1G02 DTE @ 2.6 ms
23:24:50	2475	5810	080116	S2G05 DTE @ 2.2 ms
01:11:55	2621	5956	080116	S1G02 DTE @ -2.6 ms
02:33:54	2725	6060	080116	S1G02 DTE @ -2.1 ms
03:03:49	2761	6096	080116	S2G05 DTE @ 5.9 ms
03:04:39	2762	6097	080116	S2G05 DTE @ -4.1 ms

03:35:25	2800	6135	080116	Reel Change #080117
04:54:35	2890	6225	080117	S2G05 DTE @ 2.1 ms
06:27:19	2991	6326	080117	S2G04 DTE @ 2.1 ms, S2G05 DTE @ 4.5 ms
07:03:46	3033	6368	080117	S1G04 DTE @ 2.1 ms
08:38:05	3151	6486	080117	EOL

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080121	080127	FGSP	1008
SP #	1008	5895	LGSP	5895

Line	MGL0908_22
Sequence	030
Direction	270

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/20/09	07/21/09
Time UTC	18:20	23:37
Volume (cu in.)	5490	5490
Streamer Depth (m)	9	9
Wind (kts)	4.8 SE	18 SW
Sea State (ft)	2-4	1-3
Water Depth (m)	1832.5	3439.9

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 19 49.79282'N 121 59.79953'E
 Strong rip tide causing turn noise in streamer SP 1900
 Streamer noise gone at SP 1997
 EOL POS 13 49.36661N, 119 39.85192E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
18:20	1	1008	080121	SOL (Volume = 5490)
21:44:10	700	1721	080122	Reel Change
22:28:23	820	1841	080122	S1G02 DTE @ -2.7 ms
22:28:47	821	1842	080122	S1G02 DTE @ 2.3 ms
02:24:25	1400	2421	080123	Reel Change
05:13:17	1727	2748	080123	S1G04 Delta Timing at 2.3 ms
05:24:52	1751	2772	080123	S1G04 Delta Timing at 2.2 ms
05:32:43	1767	2788	080123	S1G04 Delta Timing at 2.3 ms
05:42:09	1786	2807	080123	S1G04 Delta Timing at 2.8 ms
05:48:12	1799	2820	080123	S1G04 Delta Timing at 2.3 ms
05:52:17	1808	2829	080123	S1G04 Delta Timing at 4.0 ms
05:59:23	1823	2844	080123	S1G04 Delta Timing at 2.1 ms
06:31:13	1891	2912	080123	S1G04 Delta Timing at 4.3 ms
06:54:12	1943	2964	080123	S1G04 Delta Timing at 3.1 ms
07:03:51	1965	2986	080123	S1G04 Delta Timing at 5.0 ms
07:38:38	2048	3069	080123	S4G02 Delta Timing at -2.1 ms
07:39:49	2051	3072	080123	S1G04 Delta Timing at 3.4 ms
07:58:33	2100	3121	080124	Reel Change
08:16:17	2147	3168	080124	S4G02-S4G05 No Fire
09:14:17	2303	3324	080124	S4G02 Delta Timing at -2.1 ms
10:28:46	2502	3523	080124	S1G04 Delta Timing at 3.5 ms
10:56:59	2580	3601	080124	S1G04 Delta Timing at 2.3 ms
12:06:02	2771	3792	080124	S1G04 Delta Timing at 2.2 ms
12:16:15	2800	3821	080125	Reel Change
12:22:36	2817	3838	080125	S1G04 Delta Timing at 3.5 ms
12:49:04	2890	3911	080125	S1G02 Delta Timing at -2.4 ms
12:49:25	2891	3912	080125	S1G02 Delta Timing at 2.1 ms
12:49:46	2892	3913	080125	S1G02 Delta Timing at -2.1 ms
13:31:07	3005	4026	080125	S1G04 Delta Timing at 3.1 ms
13:32:11	3008	4029	080125	S1G04 Delta Timing at 2.4 ms
13:33:57	3013	4034	080125	S1G04 Delta Timing at 2.9 ms
14:08:15	3108	4129	080125	S1G02 Delta Timing at -2.6 ms
14:08:37	3109	4130	080125	S1G02 Delta Timing at 2.5 ms
14:35:55	3187	4208	080125	S1G04 Delta Timing at 2.7 ms
15:11:53	3289	4310	080125	S1G04 Delta Timing at 2.8 ms
15:13:40	3294	4315	080125	S1G04 Delta Timing at 2.5 ms
15:15:44	3300	4321	080125	S1G04 Delta Timing at 2.5 ms
15:17:06	3304	4325	080125	S1G04 Delta Timing at 2.7 ms
15:37:38	3363	4384	080125	S1G04 Delta Timing at 2.5 ms
15:38:40	3366	4387	080125	S1G04 Delta Timing at 2.2 ms
15:56:14	3418	4439	080125	S1G04 Delta Timing at 3.3 ms
16:17:59	3483	4504	080125	S1G04 Delta Timing at 2.1 ms
16:19:39	3488	4509	080125	S1G02 Delta Timing at -2.5 ms
16:24	3500	4521	080126	Reel Change
16:30:15	3520	4541	080126	S1G04 Delta Timing at -2:2 ms
16:32:59	3528	4549	080126	S1G04 Delta Timing at 3.2 ms
16:43:50	3559	4580	080126	S1G04 Delta Timing at 3.2 ms

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080128	080132	FGSP	1342
SP #	1342	4515	LGSP	4515

Line	MGL0908_23
Sequence	031
Direction	110

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/22/09	07/22/09
Time UTC	00:07:02	17:38:40
Volume (cu in.)	5490	5130
Streamer Depth (m)	9	9
Wind (kts)	15 SW	20 SW
Sea State (ft)	1-3	1-3
Water Depth (m)	3453.2	1426.3

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 19 47.23421N 119 39.40339E
S4G01 DISABLED AT SP 2521, NEW VOLUME 5130
EOL 19 16.70394N 121 04.19806E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Time UTC	FILE	SP	Tape	Description
00:07:02	3	1342	080128	SOL, Reel Change
00:28:34	50	1389	080128	S1G02 DTE @ 2.2 ms
00:55:37	111	1450	080128	S1G02 DTE @ -2.1 ms
01:08:10	137	1476	080128	S1G02 DTE @ -2.4 ms
01:08:38	138	1477	080128	S1G02 DTE @ 2.5 ms
01:21:44	166	1505	080128	S1G02 DTE @ -2.2 ms
01:22:12	167	1506	080128	S1G02 DTE @ 2.2 ms
02:00:56	260	1599	080128	S1G04 DTE @ 2.4 ms
02:21:39	314	1653	080128	S1G04 DTE @ 2.3 ms
02:35:22	352	1691	080128	S1G02 DTE @ -2.3 ms
02:41:18	368	1707	080128	S1G04 DTE @ 2.1 ms
02:47:44	387	1726	080128	S1G04 DTE @ 2.9 ms
02:57:55	417	1756	080128	S1G04 DTE @ 2.4 ms
03.07.37	446	1785	080128	S4G02 No fire
03.07.56	447	1786	080128	S4G02 No fire
03.08.17	448	1787	080128	S4G02 No fire
03.08.37	449	1788	080128	S4G02 No fire
03.08.57	450	1789	080128	S4G02 No fire
03.09.16	451	1790	080128	S4G02 No fire
03.09.56	453	1792	080128	S4G02 No fire
03.11.17	457	1796	080128	S4G02 No fire
03.11.57	459	1798	080128	S4G02 No fire
03.16.49	473	1812	080128	S4G02 No fire
03.17.10	474	1813	080128	S4G02 No fire
03.18.12	477	1816	080128	S4G02 No fire
03.18.54	479	1818	080128	S4G02 No fire
03.19.14	480	1819	080128	S4G02 No fire
03.19.35	481	1820	080128	S4G02 No fire
03.19.55	482	1821	080128	S4G02 No fire; S1G02 DTE @ 3.0 ms
03.20.16	483	1822	080128	S4G02 No fire
03.20.37	484	1823	080128	S4G02 No fire
03.20.57	485	1824	080128	S4G02 No fire
03.34.36	525	1864	080128	S4G02 No fire
03.49.36	568	1907	080128	S1G02 DTE @ -2.9 ms
03.49.47	569	1908	080128	S1G02 DTE @ 2.4 ms
04.09.28	626	1965	080128	S1G02 DTE @ 2.3 ms
04.10.51	630	1969	080128	S1G02 DTE @ 2.6 ms
04:32:54	696	2035	080128	S1G02 DTE @ -2.1 ms
04:35	700	2045	080129	REEL CHANGE
04.39.38	710	2055	080129	S1G04 DTE @ 2.7 ms
05.03.16	781	2126	080129	S1G02 DTE @ -2.4 ms
05.22.28	839	2184	080129	S1G02 DTE @ -2.1 ms
05.30.19	863	2208	080129	S1G02 DTE @ -2.3 ms
05.30.38	864	2209	080129	S1G02 DTE @ 2.6 ms
06:25:43	1029	2374	080129	S1G02 DTE @ -2.8 ms
06:26:04	1030	2375	080129	S1G02 DTE @ 2.8 ms
06:32:08	1048	2393	080129	S1G02 DTE @ -2.2 ms

06:32:28	1049	2394	080129	S1G02 DTE @ 2.1 ms
06:38:43	1068	2413	080129	S1G02 DTE @ -2.3 ms
06:48:11	1096	2441	080129	S1G02 DTE @ -2.2 ms
07:09:24	1155	2500	080129	S4G01, no fire
07:09:45	1156	2501	080129	S4G01, no fire
07:10:27	1158	2503	080129	S4G01, no fire
07:11:09	1160	2505	080129	S4G01 DTE @ 2.9 ms
07:11:30	1161	2506	080129	S4G01 DTE @ -2.6 ms
07:12:54	1165	2510	080129	S4G01, no fire
07:14:58	1171	2516	080129	S4G01, no fire
07:15:18	1172	2517	080129	S4G01 DTE @ 3.1 ms
07:15:38	1173	2518	080129	S4G01, no fire
07:16:19	1175	2520	080129	S4G01 DTE @ 3.9 ms
07:16:40	1176	2521	080129	S4G01 DTE @ -3.2 ms, S4G02 DTE @ 2.8 ms, S4G01 DISABLED, NEW VOLUME 5130
07:37:10	1237	2582	080129	S1G02 DTE @ -2.1 ms
08:02:53	1314	2659	080129	S1G09, no fire
08:03:13	1315	2660	080129	S1G09, no fire
08:08:32	1332	2677	080129	S1G02 DTE @ -2.5 ms
08:08:51	1333	2678	080129	S1G02 DTE @ 2.1 ms
08:29:18	1397	2742	080129	S1G02 DTE @ -2.1 ms
08:30:12	1400	2745	080130	REEL CHANGE
08:42:07	1438	2783	080130	S1G02 DTE @ -2.1 ms
08:42:45	1440	2785	080130	S4G01 DTE @ -3.7 ms
08:43:03	1441	2786	080130	S1G02 DTE @ 2.5 ms
08:49:33	1462	2807	080130	S1G02 DTE @ -2.3 ms
08:51:21	1468	2813	080130	S1G02 DTE @ -2.3 ms
08:51:39	1469	2814	080130	S1G02 DTE @ 2.4 ms
08:53:08	1474	2819	080130	S4G01 DTE @ -3.1 ms
08:58:50	1493	2838	080130	S1G02 DTE @ -2.3 ms
09:19:29	1562	2907	080130	S1G02 DTE @ -3.2 ms
09:22:25	1572	2917	080130	S1G02 DTE @ -2.5 ms
09:22:43	1573	2918	080130	S1G02 DTE @ 2.6 ms
09:29:57	1598	2943	080130	S1G02 DTE @ -2.1 ms
09:43:18	1645	2990	080130	S1G02 DTE @ -2.1 ms
09:58:30	1700	3045	080130	S1G02 DTE @ -2.1 ms
10:02:05	1713	3058	080130	S1G02 DTE @ -3.0 ms
10:02:21	1714	3059	080130	S4G01 DTE @ 3.1 ms
10:03:11	1717	3062	080130	S1G02 DTE @ -2.9 ms
10:09:37	1740	3085	080130	S1G02 DTE @ -2.3 ms
10:09:54	1741	3086	080130	S1G02 DTE @ 2.1 ms
10:20:19	1779	3124	080130	S1G02 DTE @ -3.1 ms
10:20:35	1780	3125	080130	S1G02 DTE @ 3.3 ms
11:04:22	1941	3286	080130	S1G02 DTE @ -2.4 ms
11:04:38	1942	3287	080130	S1G02 DTE @ 2.2 ms
11:10:21	1963	3308	080130	S1G02 DTE @ -2.6 ms
11:10:38	1964	3309	080130	S1G02 DTE @ 2.2 ms
11:33:11	2047	3392	080130	S1G02 DTE @ -2.4 ms
11:47:31	2100	3445	080131	REEL CHANGE

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080133	080133	FGSP	1007
SP #	1007	1658	LGSP	1658

Line	MGL0908_24
Sequence	032
Direction	180

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/22/09	07/22/09
Time UTC	17:40:52	22:22
Volume (cu in.)	5130	5130
Streamer Depth (m)	9	9
Wind (kts)	18.4 SW	5 W
Sea State (ft)	1-3	1-3
Water Depth (m)	1333.9	1902

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL 19 16.56898N 121 04.31443E
 LINE ENDED EARLY - STREAMER DIPPED BELOW 75M DUE TO EXCESSIVE CURRENT
 EOL POS 18 58.92140N, 101 04.14970E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

Observers Log

Vessel	Langseth
Client	Taiger #4
Area	South China Sea
Job Number	MGL0908

Party Chief	Robert Steinhaus
Ch. Observer	Ryan Eaton
Sen. Observer	Mike Tatro
Observers	

	SOL	EOL		
Tape #	080134	080143	FGSP	1132
SP #	1043	2252	LGSP	2252

Line	MGL0908_25
Sequence	033
Direction	263.3

Streamer Parameters				
	1	2	3	4
Length			6000	
Auxiliaries				
Shotpoint Interval:			50	
Offset CS - CNG			193	
Group Interval:			12.5	
Number of channels			0	
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	07/22/09	07/23/09
Time UTC	22:47	06:05
Volume (cu in.)	5130	5130
Streamer Depth (m)	9	9
Wind (kts)	E@22	25.7 SE
Sea State (ft)	1-3	1-3
Water Depth (m)	1512	3379.4

Cable	Erased Channels	Noisy/Weak Channels
1		
2		
3		
4		

ProMax - QC the above channels

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL 18 53.89245N, 121 04.20892E
 SOL Birds 18-22 on the surface
 FGSP SP 1132 Tape 080142
 EOL POS 18 50.02258'N 120 30.03042' E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Line Status:

