Ship/Cruise No./Leg: LASER II RV RUSSELL

Chief Scientist: JUTER PENLAND

Area: COASTAL LOUISIANA

Operator(s): WEST McFARLEN

COPY

85045TAP

104328

RUSS LACOSS2
85045

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	SA Tape No.'s	Data roll	Comments	Na
SOL L-29	0920	85-6-26	180	1000	DATASONICS 3.5 KHz Geopulse/EG&G @ 200j	1/8 1/8	.5 FIRE RATE .5 FIRE RATE	2 KHz 200-2000	1	1	DelNorte Phone w/12" spacing HP 3968A tape DATASONICS SBT 220, TSS TVG AMP	NORT Norm
L-29	0937			900							RPM DOWN TO 900	
L-29	1044	85-06-26	180	1000	" "	"	"	"	1	1	RPM TO 1000	
L-29	1206	85-06-26	180°	4.8 KT 1000	" "			"			BELT change EPC 3200	
L-29	1240	85-06-26	180°	900	DATASONICS 3.5 KHz Geopulse/EG&G @ 200j	1/8 1/8	.5 FIRE RATE .5 FIRE RATE	2 KHz band 200-2000 Hz	1	1	Speed DOWN TO 900 RPM	NOR Lor
L-29	1248	85-06-26	180°	1000	"			"	1	1	Speed up to 1000 Rpm	
L-29	1310	85-06-26	180°	1000	"	1/8 1/8	.5 sec .5 sec	"	2	1	Change To Mag Tape #2	
L-29	1500	85-06-26	180°	1000	"	1/4 1/4	.52 sec .52 sec	"	2	1	Depth Increases: Sweep change to 1/4 Trigger rate = .52 w/ .26 sec delay	NOR Lor
L-29	1529	85-06-26	180°	950°	DATASONICS 3.5 KHz Geopulse/EG&G @ 200j	1/4 1/4	.52 fire .52 fire	2 KHz 200-2000 Hz	2	1	RPM reduced to 950	"
L-29	1700	85-06-26	180	950	"		.52 sec fire .52 sec fire	"	2	2	change to DATA Roll # 2	"
L-29	1715	85-06-26	180	950	"	1/4 1/4	.52 sec fire .52 sec fire	"	3	2	Change to Mag Tape # 3	"
L-29	1751	85-06-26	180°	950	DATASONICS 3.5 KHz Geopulse/EGG @ 200j	1/8 1/4	.52 sec fire .52 sec fire	2 KHz 200-2000 Hz	3	2	Remove Bathymetry Ch. 2 from DATASONICS DET OUT @ 1/8 sweep for Record expansion	N L
EOL L-29	1800	85-06-26	180	950	DATASONICS 3.5 Geopulse @ 200J EGG	1/8 1/4	.52 sec fire	2 KHZ 200-2000 HZ	3	2	EOL L-29	N L
SOL L-30	1802	85-06-26	270	950°					3	2	SOL L-30	
EOL L-30	1916	85-06-26	270	950					3	2	EOL L-30	
SOL L-31	1917	85-06-26	000°	950	" " " "	1/8 / 1/4	.52 sec fire	2. KHZ 200-2000 HZ	3	2	SOL L-31	
L-31	2035	85-06-26	000°	950	" "	"	"	" "	3	2	BELT change on EPC 3200	
L-31	2115	85-06-26	000°	950	" "	"	"	"	4	2	Changed to Mag TAPE # 4	
L-31	2159	85-06-26	000	950	" "	"	"	"	4	2	Added BATH DATA TO DATASONICS	
L-31	2210		000	1000							SPEED 1000 RPM. 5.1 KTS NOT SURE WHEN RPM WENT TO 1000	

Ship/Cruise No./Leg: LASER II R.J. RUSSELL Chief Scientist: SUTER - Portland

Area: COASTAL LA. Operator(s): WEST - McFARLAN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
L-31	2258	85.06.26	000°	3.6KT 1050	"	"	"	"	4	2	RPM UP TO 1050 SPEED WAS DOWN TO 3.6KT	NO LOR
	2311	85.06.26	000	1050	DATASONICS 3.5 KHZ ORE GEOPULSE 200J	1/8/1/8	.50 SEC FINE	2KHZ 260-2000	4	2		
L-31	0000	85.06.27	000°	1050	"	"	"	"	4	2	Geopulse off for SAND - Seaweed REMOVAL	
L-31	0045	85-06-27	000	1050	"	1/8 1/8	.50 Sec fine .50 Sec fine	"	4	2	Increase to 1050 Rpm	
L-31	0100	85-06-27	000	1100	"	1/8 "	.5 sec "	"	4	2	Increase to 1100 Rpm	
L-31	0120 0122	85-06-27	000	1100	"	1/8 1/8	.5 sec .5 sec	"	5	2	Change to Mag Tape #5	
L-31	0250 0252	85-06-27	000	1100	DATASONICS 3.5 KHZ GEOPULSE/~~ESG~~ #4 200J	1/8 1/8	.5 sec fine .5 sec fine	2KHZ BAND 200-2000 Hz	5	2	Change Belt on DPC 3200	NO LOR
L-31	0335	85-06-27		1100	~~DATASONICS~~ 3.5 ORE GEOPULSE 200J	1/8 1/8	.50 sec .50 sec	2KHZ 500-2000 Hz	5	2	*NOTE ~~[illegible]~~ Increase of low cutoff of K-H to 500	
L-31	0415	85-06-27		1100	"	"	"	"	5	3	Change to DATA Roll #3	NO LOR
L-31	0525-0527	85-06-27		1100	"	1/8 1/8	.5 sec .5 sec	2KHZ 500-2000	6	3	Change to Mag Tape #6	
EOL L-31	0610	178-0610 85-06-27	000°	1100	"	1/8/1/8	.5 sec	2KHZ 500-2000	6	3	End of Line L-31	
											Pick up Gear : Run West	
SOL L-32	178 0807	85.06.27	180°	1000 4.4KT	DATASONICS 3.5 ORE Geopulse	1/8/1/8	.5 sec	2KHZ 500-2000	6	3	SOL L-32 1000 RPM	
EOL L-32	0826	85.06.27	180	1000 4.4	"	"	"	"	6	3	EOL - L-32	
											~~Pick up Gear Running East~~	
SOL L-33	178 1015	85.06.27	090°	1000	"	"	"	"	6	3	SOL - L-33 RPM 1000	
L-33	1030		090	950					6	3	RPM TO 950	
L-33	1049	85.06.27	107°	950	"	"	"	"	6	3	C/C TO 107°	
L-33	1114	85.06.27	107°	900	"	"	"	"	6	3	Reduce RPM TO 900	
L-33	1117		090°	900	"	"	"	"	6	3	C/C TO 090°	

Ship/Cruise No./Leg: LASER II RJ RUSSELL

Chief Scientist: PETER KENLAND

Area: COASTAL LA.

Operator(s): WEST McFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N
L-33	1122	85-06-27	090°	800	DATASONICS 3.5KHZ ORE Geopulse @ 200J	1/8 / 1/8	.5 sec fire	2KHZ 500-2000	6	3	Reduce RPM to 800	
L-33	1150	85-06-27	075°	800	"	"	"	"	6	3	C/C to 075°	
L-33	1234	85-06-27	080°	800	"	1/8 1/8	.5 sec Fire .5 sec	"	6	3	C/C to 080°	
L-33	1247 1249	85-06-27	080°	800	"	1/8 1/8	.5 sec fire .5 sec fire	2 KHZ 500-2000 Hz	6	3	Belt change on EPC 3200	NOR LOR
L-33	1308	85-06-27	071	800	"	1/8 1/8	.5 sec fire .5 sec fire	"	6	3	C/C to 071	
L-33	1315 1316	85-06-27	071	800	"	1/8 1/8	.5 sec fire .5 sec fire	"	7	3	Change to Mag Tape #7	NOR LOR
L-33	1354	85-06-27	076	800	DATASONICS 3.5KHZ ORE GEOPULSE 200j	1/8 1/8	.5 sec fire .5 sec fire	2KHZ 500-2000Hz	7	3	C/C to 076°	"
L-33	1455	85-06-27	060	800	"	"	"	"	7	3	C/C to 060°	"
L-33	1608	85-06-27	050	800	"	"	"	"	7	3	C/C to 050°	LOR NOR
EOL L-33	1721 1722	178 85-06-27	050	800	"	1/8 1/8	.5 sec fire .5 sec fire	2KHZ 500-2000Hz	8	3	EOL L-33 Change to Mag Tape #8	
SOL L-34	1722	178 85-06-27	140	800	"	"	"	"	8	3	SOL L-34	
L-34	1727	85-06-27	140	900	DATA SONICS 3.5 KHZ ORE Geopulse 200j	1/8 1/8	.50 sec fire .50 sec fire	2KHZ 500-2000Hz	8	3	RPM increase to 900	LOR NOR
L-34	1820	85-06-27	140	900°	" "	1/8 1/8	.50 sec fire .50 sec fire	2KHZ 500-2000Hz	8	3	ON LINE L-34	
EOL L34	178 1859	85-06-27	140	900	" "	1/8 1/8	.50 sec fire .50 sec fire	"	8	4	EOL L-34 Change to data roll #4	
SOL L35	1902	85-06-27	225	900	" "	1/8 1/8	"	"	8	4	~~START ON LINE L-35~~	
L-35	1912	85-06-27	225°	1000	" "	"	"	"	8	4	RPM to 1000	
EOL L-35	178 2013	85-06-27	225°	1000	" "	"	"	"	8	4	EOL L-35	
SOL L-36	2015	85-06-27	320°	1000	" "	"	"	"	8	4	SOL L-36	
EOL L-36	2103	85-06-27	320	1000			"	"	8	4	EOL L-36 Weather	
											END OF NAV TAPE #	

Ship/Cruise No./Leg: L/SEIS # R/V ROSSELLA

Area: LA COAST

Operator(s): WEST McFARLEN

Line	Time,	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
SOL L-37	1917	179 85-06-28	145	950	DATASONICS 3.5 KHz ORE GEOPULSE @ 200 J	1/8 1/8	.50 sec Fire .50 sec Fire	2 KHz BAND 500-2000 Hz	9	4	S.O.L. LINE L-37 Change to Mag #9	LOMA NORT
EOL L-37	2026	85-06-28	145	95	"	"	"	"	9	4	EOL L-37	
SOL L-38			56°						9	4	SOL L-38	
EOL-L-38	2043	85.06.28	56	950	"	"	"	"	9	4	EOL-L-38	
SOL-L-39	2046	85.06.28	326 326	950	"	"	"	"	9	4	SOL-L-39	
L-39	2120	TO 2145	326	950	"	"	"	"	9	4	LORAN "C" DOWN CHAIN COUPLE OFF - STORM	
EOL L-39	179 2200	85-06-28	326	950	"	"	"	"	9	4	EOL L-39	
SOL-L-40	179 2202	85.06.28	050	950	"	"	"	"	9	4	SOL L-40	
SOL-L-41	2224	85.06.28	143	950	"	"	"	"	9	4	SOL-L-41	
L-41	2315	85.06.28	143	950	"	"	"	"	10	4	Changed to MAG TAPE # 10	NO
EOL-L-41	2326		143	950	"	"	"	"	10	4	EOL L-41	
SOL L-42	2328	85-06-28	065	950	"	"	"	"	10	4	SOL L-42	
EOL L-42	2337	85 06 28	065	950	"	"	"	"	10	4	EOL L-42	
SOL L-43	2339	85.06.28	330	950	"	"	"	"	10	4	SOL L-43	
L-43	0000	85.06.29	330	950	"	"	"	"	10	4	ON LINE L-43	
EOL L43	180 0039	85.06.29	330	950	"	"	"	"	10	4	EOL L-43	
SOL-L-44	0039	85.06.29	050°	950	"	"	"	"	10	4	SOL L-44	
EOL L44	0106	85-06-29	050	950	"	"	"	"	10	4	EOL L-44	
SOL L45	0107	85-06-29	135	950	"	1/8 1/8	.5 sec Fire .5 sec Fire	2 KHz 500-2000 Hz	10	4	SOL L-45	
L 45	0110 0111	85-06-29	135	950	DATASONICS 3.5 KHz ORE GEOPULSE 200 J	1/8 1/8	.50 sec Fire .50 sec Fire	2 KHz 500-2000 Hz	10	4	Belt Change 3200	NO LOA

Ship/Cruise No./Leg: LASER II

Area: LA. COASTAL AREA

Chief Scientist: SUTER PENLAND

Operator(s): WEST McFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N
EOL L-45	0116	85-06-29	135	950	DATASONICS 3.5 KHz ORE GEOPULSE 200j	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	10	4	END of LINE L-45	Lo No
SOL L46	0117	85-06-29	065	950	"	"	"	"	10	4	START of LINE L-46	
L46	0159	85-06-29	090	950	"	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	10	4	C/C TO 090°	"
EOL L46	180 0247	85-06-29	090	950	"	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	10	4	END of LINE L-46	"
SOL L47	0250	85-06-29	180	950	"	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	10	4	START of LINE L-47	"
~~EOL L47~~	~~03~~	~~85-06-29~~	~~180~~	950	"	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz				
~~SOL L48~~	~~03~~	~~85-06-29~~		~~950~~	DATASONICS 3.5 KHz ORE GEOPULSE @ 200j	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz				
L-47	0317 0318	85-06-29	180	950	"	1/8 1/8	"	"	11	4	Change to Mag Tape # 11	N Lo
EOL L-47	180 0340	85-06-29	180	950	"	1/8 1/8	"	"	11	4	END of LINE L-47	
SOL L-48	0342	85-06-29	090	950	"	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	11	4	START of LINE L-48	
EOL L-48	0352	85-06-29	090	950	"	1/8 1/8	"	2 KHz 500-2000 Hz	11	4	END of LINE L-48	
SOL L-49	0353	85-06-29	000	950	"	1/8 1/8	"	2 KHz 500-2000 Hz	11	4	START of LINE L-49	
L-49	0356	85-06-29	000	950	"	"	"	"	11	5	Change to DATA Roll #5	No Lo
EOL L-49	180 0511	85-06-29	000	950	"	"	"	"	11	5	END of LINE L-49	
SOL L50	0512	85-06-29	090	950	DATASONICS 3.5 KHz ORE Geopulse 200j	1/8 1/8	.50 sec fire .50 sec fire	2 KHz 500-2000 Hz	11	5	~~Start of LINE L-50~~	
EOL L-50	0526	85-06-29	090	950	"	"	"	"	11	5	END of LINE L-50 ☆	
SOL L-51	0527	85-06-29	180	950	"	1/8 1/8	"	"	11	5	Start of LINE L-51 0556 Deepen Towfish .3m	
EOL L-51	0631	85-06-29	180	950	"	"	.50 sec fire .50 sec fire	"	11	5	END of LINE L-51	
SOL L-52	0634	85-06-29	090	950	DATASONICS 3.5 KHz ORE GEOPULSE 200j	"	"	2 KHz 500-2000 Hz	11	5	START of LINE L-52	
EOL L-52	0641	85-06-29	090	950	"	1/8 1/8	"	"	11	5	END of LINE L-52	M N L

Ship/Cruise No./Leg: LASER II R J RUSSELL

Chief Scientist: SUTER PENLAND

Area: LA COASTAL AREA

Operator(s): WEST MCFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N
SOL L-53	0645	85-06-29	000	950	DATASONICS 3.5KHz 1/8	1/8	.50 sec fire .50 sec fire	2 KHz 500-2000Hz	11	5	Start of Line L-53	NOR LOA
L-53	0720	85.06.29	000	950	" "	"	"	"	12	5	changed to Mag TAPE # 12	"
EOL L-53	0802	85.06.29	000	950	"	"	"	"	12	5	BELT change EPC 3200	"
SOL L-54	0804	"	096°	950	"	"	"	"	12	5	SOL L-54	"
EOL L-54	0815	"	096	950					12	5	EOL - L-54	"
SOL L-55	0816	"	186°	950	"	"	"	"	12	5	SOL L-55	"
EOL L-55	0914	"	186°	950	"	"	"	"	12	5	EOL L-55	"
SOL L-56	0917	85.06.29	017	950	"	"	"	"	12	5	SOL L-56	"
EOL L-56	1030	85.06.29	017	950	"	"	"	"	12	5	EOL L-56	"
SOL L-57	1032	85.06.29	120	950	"	"	"	"	12	5	SOL L-57	"
EOL L-57	1038	85.06.29	120	950	"	"	"	"	12	5	EOL L-57	"
SOL L-58	1039	85.06.29	195	950	"	"	"	"	12	5	SOL L-58	"
L-58	1051	85.06.29	195	900	"	"	"	"	"	"	Speed ~5.8 knots Reduced RPM TO 900	"
L-58	1125	85.06.29	195	900	"	"	"	"	13	5	changed to Mag TAPE #13	"
EOL L-58	1146	85.06.29	195	900	"	"	"	"	13	5	EOL L-58	
SOL L-59	1149	85.06.29	125	900	"	"	"	"	13	5	SOL L-59	"
EOL L-59	1205	85-06-29	125	900	DATASONICS 3.5KHz 1/8 ORE Geopulse 200J	1/8	"	"	13	5	End of Line L-59	NOR LOA
SOL L-60	1206	85-06-29	012	900	"	"	.50 sec fire .50 sec fire	2KHz 500-2000Hz	13	5	Start of Line L-60	
L-60	1217	85-06-29	012	1000	"	"	"	2KHz 500-2000Hz	13	5	RPM increase to 1000	"
EOL-L60	1330	"	012	"	"	"	"	"	13	5	End of Line L-60	

Ship/Cruise No./Leg: LASER II RJ RUSSELL Chief Scientist: SUTER PENLAND

Area: LA COASTAL Operator(s): WEST McFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
SOL L-61	1331	85-06-29	120	1000	DATASONICS 3.5 KHz ORE GEOPULSE @ 200 J	1/8 1/8	.50 sec fire .50 sec fire	2KHz 500-2000Hz	13	5	START of LINE L-61	NORTH LOAD
EOL L-61	1340	85-06-29	120	1000	"	1/8 1/8	.50 sec fire .50 sec fire	2KHz 500-2000Hz	13	5	END of LINE L-61	
SOL L-62	1341	85-06-29	190	1000	"	"	"	2KHz 500-2000Hz	13	5	START of LINE L-62	"
L-62	1358 1359	85-06-29	190	1000	DATASONICS 3.5K ORE GEOPULSE 200 J	"	"	"	13	5	Change belt on 3200	"
EOL L-62	1452	85-06-29	190	1000	"	1/8 1/8	"	"	13	5	END of LINE L-62	
SOL L-63	1453	85-06-29	095	1000	"	"	.50 sec fire .50 sec fire	"	13	5	START of LINE L-63	NORTH LOAD
EOL L-63	1503	85-06-29	095	1000	"	"	"	2KHz 500-2000Hz	13	5	END of LINE L-63	
SOL L-64	1504	85-06-29	013	1000	DATASONICS 3.5K ORE Geopulse 200 J	"	"	"	13	5	START of LINE L-64	
L-64	1510 1511	85-06-29	013	1000	"	1/8 1/8	"	"	13	6	Change EPC 3200 Data Roll #6	
L-64	1530 1532	85-06-29	013	1000	"	"	.50 sec fire .50 sec fire	"	14	6	Change to Mag Tape 14 clean Degauss	
EOL L-64	1602	85-06-29	013	1000	"	"	"	2KHz 500-2000Hz	14	6	END of LINE L-64	
SOL L-65	1603	85-06-29	110	1000	DATASONICS 3.5 KHz ORE GEOPULSE 200 J	"	"	"	14	6	START of LINE L-65	LO NOR
EOL L65	1610	85-06-29	110	1000	"	1/8 1/8	"	"	14	6	END of LINE L-65	
SOL L66	1611	85-06-29	187	1000	"	"	.50 sec fire .50 sec fire	"	14	6	START of LINE L-66	
EOL L-66	1626	85-06-29	187	1000	"	"	"	2KHz 500-2000Hz	14	6	END of LINE L-66	
SOL L-67	1727	85-06-29	090	1000	DATASONICS 3.5 KHz ORE GEOPULSE 200 J	"	"	"	14	6	START of LINE L-67	NO LO
EOL L-67	1740	85-06-29	090	1000	"	1/8 1/8	"	"	14	6	END of LINE L-67	
SOL L-68	1741	85-06-29	010	1000	"	"	.50 sec fire .50 sec fire	"	14	6	START of LINE L-68	
					"	"	"	2KHz 500-2000Hz				
					DATASONICS 3.5 KHz ORE GEOPULSE 200 J	"	"	"				NO GO

Ship/Cruise No./Leg: LASER II R J RUSSELL Chief Scientist: SUTER PENLAND

Area: COASTAL LA. Operator(s): WEST M'FARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
L-68	1805	85.06.29	010	1000	ONTASONICS 3.5 ORE boopulse 200J.	Y/0 Y/0	.50 sec fine .50 sec fine	2KHZ 500-2000	14	6	ONLINE L-68	M
EOL L-68	1845	85.06.29	010	1000	"	"	"	"	14	6	EOL L-68	"
SOL L-69	1846	85.06.29	090	1000	"	"	"	"	14	6	SOL L-69	"
EOL L-69	1852	85.06.29	090	1000	"	"	"	"	14	6	EOL L-69	"
SOL L-70	1854	85.06.29	187	1000	"	"	"	"	14	6	SOL L-70	
L-70	1935	85.06.29	187	1000	"	"	"	"	15	6	Changed to MAG TAPE # 15	"
EOL L-70	2000	85.06.29	187	1000		"			15	6		"
SOL L-71	2001	85.06.29	115	1000	"	"	"	"	15	6		"
	2005	85.06.29	115	1500					15	6	SHUT DOWN PORT ENGINE STARBOARD AT 1500 RPM	"
EOL L-71	2007	85.06.29	115	1500					15	6		"
SOL L-72	2010	85.06.29	007	1500	"	"	"	"	15	6		"
L-72	2016	85.06.29	007	1500					15	6	BELT CHANGE ON EPC 3200	
L-72	2020								15	6	SLOWED FOR ENGINE MAINT.	
L-72	2023	85.06.29	007	1500	"	"	"	"	15	6	Speed up to 1500 ON STAR. ENGINE	
EOL L-72	2107	85.06.29	007	1500	"	"	"	"	15	6	EOL L-72	
SOL L-73	2112	85.06.29	095	1500	"	"	"	"	15	6	SOL L-73	
EOL L-73	2118	85.06.29	095	1500	"	"	"	"	15	6	EOL L-73	
SOL L-74	2120	85.06.29	185	1500	"	"	"	"	15	6	SOL L-74	
EOL L-74	2215	85.06.29	185	1500					15	6	EOL L-74	
SOL L-75	2218	85.06.29	100°	1500					15	6	SOL L-75	

Ship/Cruise No./Leg: RJ RUSSEL LASER II Chief Scientist: SUTER: PENLAND.

Area: COASTAL LA. Operator(s): WEST M'FARLAN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
EOL L75	2226	85.06.29	100°	1500	DATASONICS 3.5 ORE GEOPULSE 200 J	1/8/1/8	.5sec fire .5sec fire	2KHZ 500-2000	15	6	EOL L-76	NO GO
SOL L76	2228	85·06·29	010°	1500	" "	"	"	"	15	6	SOL L-76	"
L-76	2245	85·06·29	010°	1400	"	"	"	"	15	6	Reduce RPM TO 1400	"
EOL L-76	2322	85·06·29	010°	1400	" "	"	"	"	15	6	EOL L-76	"
SOL L-77	2324	85·06·29	100	1400	" "	"	"	"	16	6	changed TO Mag TAP #16 SOL L-77	"
EOL L-77	2333	85·06·29	100	1400	" "	"	"	"	16	6	EOL L-77	
SOL L-78	2335	85·06·29	185°	1400	" "	"	"	"	16	6	SOL L-78	
EOL L-78	0031	85-06-30	185°	1400	DATASONICS 3.5KHz ORE GEOPULSE 200	"	"	"	16	6	END of LINE L-78	NOR LOR
SOL L-79	0033	85-06-30	100	1400	"	1/8 1/8	"	"	16	6	START of LINE L-79	
EOL L-79	0042	85-06-30	100	1400	"	"	.5sec fire .5sec fire	"	16	6	END of LINE L-79	
SOL L-80	0044	85-06-30	10	1400	"	"	"	2KHz 500-2000Hz	16	6	Start of LINE L-80	
EOL L-80	0137	85-06-30	10	1400	DATASONICS 3.5 kHz ORE GEOPULSE 200J	"	"	"	16	6	END of LINE L-80	NOR LOR
SOL L-81	0138	85-06-30	90	1400	"	1/8 1/8	"	"	16	6	Start of LINE L-81	"
EOL L-81	0150	85-06-30	90	1400	"	"	.50sec fire .50sec fire	"	16	6	END of LINE L-81	"
SOL L-82	0152	85-06-30	187	1400	"	"	"	2KHz [illegible]	16	6	~~Start of line L-82~~	"
L-82	0157 0158	85-06-30	187	1400	DATASONICS 3.5KHz ORE GEOPULSE 200J	"	"	"	16	6	Change 3200 BELT	NOR LOR
L-82	0225	85-06-30	187	1400	"	1/8 1/8	"	"	16	7	Change to DATA Roll #7	"
EOL-82	0244	85-06-30	187	1400	"	"	.50sec fire .50sec fire	"	16	7	END of LINE L-82	
SOL-83	0247	85-06-30	035	1400	"	"	"	2KHz 500-2000Hz	16	7	START of LINE L-83	"
L-83	0325	85-06-30	035	1400	DATASONICS 3.5KHz ORE GEOPULSE 200J	"	"	"	17	7	~~END of LINE L-83~~ Change to Mag 17	NOR LOR

Ship/Cruise No./Leg: RV RUSSELL LASER II

Chief Scientist: SUTER PENLAND

Area: COASTAL LOUISIANA

Operator(s): WEST McFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N
EOL L-83	0330	85-06-30	035	1400	DATASONICS 3.5 KHz GEOPULSE 200j	1/8 1/8	.50 sec fire .50 sec fire	2KHz 500-2000Hz	17	7	END of LINE L-83	LOR NOR
SOL L-84	0332	85-06-30	160	1400	"	1/8 1/8	"	"	17	7	START of LINE L-84	
L-84	0349	85-06-30	160	1300	"	"	.50 sec fire .50 sec fire	"	17	7	Reduce speed to 1300 RPM (3.4 kt)	"
EOL L84	0411	85-06-30	160	1300	"	"	"	2KHz 500-2000Hz	17	7	END of LINE L-84	
SOL L-85	0413	85-06-30	248	1300	DATASONICS 3.5 KHz ORE GEOPULSE 200j	"	"	"	17	7	START of LINE L-85	LOR NOR
EOL L-85	0502	85-06-30	248	1300	"	1/8 1/8	"	"	17	7	END of LINE L-85	
SOL L-86	0503	85-06-30	154	1300	"	"	.50 sec fire .50 sec fire	2KHz 500-2000 Hz	17	7	START of LINE L-86	
L-86	0509	85-06-30	154	1300	"	"	"	2KHz 500-2000 Hz	17	7	EG+G of Trigger (CDU) DOWN	
L-86	0521	85-06-30	154	1300	DATASONICS 3.5 KHz	1/8	.50 sec fire	2KHz	17	7	USING INTERNAL MODE ON Trigger ON DATASONICS SBT 220	
L-86	0526	85-06-30	154	1300	DATASONICS 3.5 KHz GEOPULSE 200j	1/8 1/8	.50 sec fire .50 sec fire	2KHz 500-2000 Hz	17	7	TAPE ON	LOR NOR
EOL L86	0535	85-06-30	154	1300	"	1/8 1/8	"	"	17	7	END of LINE L-86	
SOL L87	0536	85-06-30	154	1300	"	"	.50 sec fire .50 sec fire	"	17	7	START of LINE L-87	
EOL-87	0616	85-06-30	154	1300					17	7	EOL L-87	"
SOL-L88	0617	85-06-30	340°	1300	"	"	"	"	17	7	SOL L-88	"
L-88	0722	85-06-30	340	1300	"	"	"	"	17	7	BELT CHANGE ON EPC 3200	"
L-88	18/0743	85-06-30	340	1300	"	"	"	"	18	7	Change to Mag TAPE # 18	"
EOL L-88	18/0814	85-06-30	340	1300	"	"	"	"	18	7	EOL L-88	
SOL-L-89	18/0815	85-06-30	287	1300	"	"	"	"	18	7	SOL L-89	
L-89	0955	85-06-30	287	1300	"	"	"	"	18	7	BELT CHANGE EPC 3200	
L-89	1108	85-06-30	290	1300	"	"	"	"	18	7	C/C to 290°	

Ship/Cruise No./Leg: RJ RUSSELL LASER

Chief Scientist: SUTER PENLAND

Area: COASTAL LOUISIANA

Operator(s): WEST McFARLEN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N.
EOL L-89	181 1150	85.06.30	290	1300	DATASONICS 3.5KHz ORE GEOPULSE 200j	1/8 1/8	.50sec fire .50sec fire	2KHz 500-2000Hz	19	7	Changed to Mag Tape #19 EOL 89	Lo Nor
SOL L-90	1151	85.06.30	246	1300	"	1/8 1/8	"	"	19	7	START of Line L-90	
L-90	1200	85-06-30	246	1300	"	"	.50sec fire .50sec fire	"	19	7	Moved GEOPULSE TO STARBOARD SIDE TO STEER OUT OF WAKE + REMOVE NOISE	"
EOL L-90	1223	85-06-30	246	1300	"	"	"	2KHz 500-2000Hz	19	7	EOL L-90	"
SOL L-91	1226	85.06.30	105	1300	DATASONICS 3.5KHz ORE GEOPULSE 200j	"	"	"	19	7	SOL L-91	LO NO
L-91	1256	85.06.30	100	1300	"	1/8 1/8	"	"	19	7	c/c to 100°	
L-91	1344	85-06-30	115	1300	"	"	.50 sec fire .50 sec fire	"	19	7	c/c to 115°	"
L-91	1450	85-06-30	108	1300	"	"	"	2KHz 500-2000Hz	19	8	Change EPC 3200 Roll #8	"
L-91	1458	85-06-30	108	1300	DATASONICS 3.5KHz ORE GEOPULSE 200j	"	"	"	19	8	c/c to 108	Lo Nor
L-91	1553 1554	85-06-30	108	1300	"	1/8 1/8	"	"	20	8	Change to Mag Tape #20	"
EOL L-91	1610	85-06-30	108	1300	"	"	.50sec fire .50 sec fire	"	20	8	END of Line L-91	"
SOL L-92	1612	85-06-30	150	1300	"	"	"	2KHz 500-2000Hz	20	8	START of Line L-92	"
L-92	1720	85-06-30	150	1300	DATASONICS 3.5KHz ORE GEOPULSE @ 200j	"	"	"	20	8	Autopilot malfunction	Lo Nor
EOL L92	1802	85-06-30	150	1300	"	1/8 1/8	"	"	20	8	End of Line L-92	"
SOL L93	1804	85-06-30	240	1300	"	"	.50 sec fire .50 sec fire	"	20	8	Start of Line L-93	"
EOL L93	1815	85 06.30	240	1300	" "	"	"	"	20	8	EOL L-93	"
SOL L94	1816	85.06.30	340°	1300	" "	"	"	"	20	8	SOL L-93	"
L-94	1917	85.06.30	340	1300	"	"	"	"	20	8	GEN QUIT — ALL systems off	
L-94	1934	85.06.30	340	1300	"	"	"	"	20	8	All systems back on	"
EOL L-94	1939	85.06.30	340	1300	"	"	"	"	20	8	EOL L-94	"

Ship/Cruise No./Leg: RJ Russell

Chief Scientist: Suter - Penland

Area: Coastal LA.

Operator(s): West - McFarlen

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	N
SOL-L-95	1941	85-06-30	285	1300	DATASONICS 3.5KHz ORE GEOPULSE	1/8 / 1/8	.50 sec fire .50 sec fire	2KHZ 500-2000	20	8	SOL L-95	NO LOR
L-95*	2203	85-06-30	285	1300	"	1/8 1/8	"	"	21	8	ON L-95 * 2013 Change to Mag Tape #2 John P.U.	"
EOL L95	2317	85-06-30	285	1300	"	"	.50 sec fire .50 sec fire	"	21	8	EOL L-95 Pick up Gear. Run West	"
	2318	85-06-30	285	1300	"	"	"	2KHz 500-2000Hz	22	8	Change to Mag Tape #22 Clean Deck	
SOL L-96	0230	85-07-1 ~~85-06-~~	320	1300	DATASONICS 3.5 KHz ORE GEOPULSE 200j	"	"	"	22	8	START of LINE L-96 Datasonics 25ft lower	NO LOR
EOL L-96	182 0418	85-07-01	320	1300	"	1/8 1/8	"	"	22	8	END of LINE L-96	"
SOL L-97	0419	85-07-01	230	1300	"	"	.50 sec fire .50 sec fire	"	22	8	Start of LINE L-97	"
EOL L-97	0503	85-07-01	230	1300	"	"	"	2KHz 500-2000Hz	22	8	END of LINE L-97	
SOL L-98	0504	85-07-01	150	1300	DATASONICS 3.5KHz ORE GEOPULSE 200j	"	"	"	22	8	START of LINE L-98	LO NO
L-98	0525	85-07-01	150	1300	"	1/8 1/8	"	"	22	9	Change to Data Roll #9	
EOL L-98	0608	85-07-01	150	1300	"	"	.50 sec fire .50 sec fire		22	9	END of LINE L-98 ~~Change to Mag #~~	
SOL L-99	182 0610	85-07-01	230	1300	"	"	"	2KHz 500-2000Hz	22	9	START of LINE L-99 0612 Raise Tonfish 25ft	
EOL L-99	0632	85-07-01	230	1300	DATASONICS 3.5KHz ORE GEOPULSE 200j	"	"	"	22	9	END of LINE L-99	NO LO
SOL L-100	182 0634 0634	85-07-01	328	1300	"	1/8 1/8	"	"	23	9	Start of LINE L-100 Change Mag Tape ~~#23~~	
EOL-L-101	0746	85-07-01	328	1300	" "	"	"	"	23	9	~~EOL L-100~~	
SOL-L-101	182 0748	85-07-01	230°	1300	"	"	"	"	23	9	SOL - L-101	
L-101	0814	85-07-01	220°	1300	"	"	"	"	23	9	C/C TO 230°	"
L-101	0831	85-07-01	345°	1300	"	"	"	"	23	9	C/C TO 345	
L-101	0835	85-07-01	250°	1300	"	"	"	"	23	9	C/C TO 250°	
L-101	0851	85-07-01	250	1300	"	"	"	2KHZ 200-2000	23	9	C/ FILTER Geopulse 200-2000	

Ship/Cruise No./Leg: RT RUSSELL LASER II Chief Scientist: SUTRA PENLAND

Area: COASTAL LA. Operator(s): WEST M'FARLAN

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	Tape No.	Data roll	Comments	Na
L-101	0910	85.07.01	250	1300	DATASONICS 3.5KHZ ORE-Geopulse @ 200J	1/8 / 1/8	.50 sec fire .50 sec fire	2KHZ 200-2000	23	9	ON LINE L-101	NOA LORA
EOL-L101	182 0939	85.07.01	250	1300	"	"	"	"	23	9	EOL L-101	"
SOL L102	0941	85.07.01	165°	1300	"	"	"	"	23	9	SOL L-102	"
L-102	0947	85.07.01	165	1300	" "	"	"	"	23	9	Belt change EPC 3200	"
EOL L-102	1032	85.07.01	165	1300	" "	"	"	"	23	9	EOL 102 PICK UP HAUL A--TO COCODRIE	"
END OF NAVTAPE #2												
SOL L-103	0056	85-07-03	180		DATASONICS 3.5KHZ ORE GEOPULSE 200J	1/8 1/8	.50 sec fire .50 sec fire	2KHZ 200-2000 Hz	24	9	Change to Tape #24 SOL L-103	NOAA LOR
L-103	0110	85-07-03	180		"	1/8 1/8	"	"	24	9	Fine tuning of Delay UNIT & adj. to improve trigger cycle (program/scale)	"
L-103	0120	85-07-03	180	1000	"	"	.50 sec fire .50 sec fire	"	24	9	Back into duty cycle: will get back on line	"
NOT ON LINE while on Repair	0201							2KHZ 200-2000 Hz	24	9	More trigger CDU problems - waiting to get on line	LORA NOAA
RESTART												
SOL L-103	0204	85-07-03	180	1000	DATASONICS 3.5KHZ ORE GEOPULSE 200J	"	"	"	24	9	RESTART SOL L-103	LORA NOAA
L-103	0321	85-07-03	180	850	"	1/8 1/8	"	"	24	9	RPM to 850	"
L-103	0440	85-07-03	180	850	"	"	.50 sec fire .50 sec fire	"	25	9	Change to Mag Tape #25	"
L-103	0542	85-07-03	180	950	"	"	"	2KHZ 200-2000 Hz	25	9	Increase speed to 950	"
L-103	0715	85-07-03		950	DATASONICS 3.5KHZ ORE GEOPULSE 200J	"	"	"	25	10	Change to DATA ROLL #10	LORA NOAA
					"	1/8 1/8	"	"				
					"	"	.50 sec fire .50 sec fire	"				
L-103	0800	85.07.03	180	950	"	"	"	2KHZ 200-2000 Hz	25	10	ON LINE L103	
L-103	0842	85.07.03	180	950	"	"	"	"	26	10	Change to MAG TAPE #26	

Ship/Cruise #/Leg RJ Russell Laser II | Chief Scientist Sutel Penland

Area Coastal LA. Ship Shoal | Operator(s) The Very Best West McFarland

Line	Time	Y-M-D	CRS	SPD	Seismic System	SWP	PROG/Scale	Filter LO-HIGH	Tape #	Data Roll	Comments	Nav
L103	0843	85.07.03	180	950	DATASONICS 3.5 KHZ ORE GEOPULSE @ 200J	1/8/1/8	.50 sec fire .50 sec fire	2KHZ 200-2000	26	10	ON Line # L103	NORT LORAN
EOL L-103	0935	85.07.03	180	950	"	1/8 1/8	"	"	26	10	EOL L-103	"
SOL L104	0933	85.07.03	090°	950	"	"	.50 sec fire .50 sec. fire	"	26	10	SOL L104	"
	0942	"	090	900	"	"	"	2KHz 200-2000	"	"	Speed ~ 4.5	"
EOL L-104	1032	"	090	900	DATASONICS 3.5 KHz ORE GEOPULSE 200J	"	"	"	26	10	Reduce RPM TO 900 EOL L-104	NORTH LORAN
SOL L-105	1034	85.07.03	000°	900	"	1/8 1/8	"	"	26	10	SOL L-105	"
L-105	1243	85.07.03	000°	900	"	"	.50 sec fire .5 sec. fire	"	27	10	Change TO Mag TAPE # 27	"
L-105	1245	85.07.03	000°	900	"	"	"	2KHZ 500-2000	27	10	changed filter on geopulse to 500-2000	"
L-105	1430	85-07-03	000°	1000	DATASONICS 3.5 KHz ORE GEOPULSE @ 200J	"	"	"	27	10	RPM INCREASE to 1000 change belt on EPC 3200	NORT LORAN
L-105	1543	85-07-03	350°	900	"	1/8 1/8	"	"	27	10	C/C & RPM to 900	"
L-105	1645	85-07-03	350°	900	"	"	.50 sec fire .50 sec fire	"	28	10	Change to Mag Tape 28 Clean Degauss	"
EOL L-105	1723	85-07-03	350°	900	"	"	"	2KHz 500-2000 Hz	28	10	End of Line L-105	"
SOL L-106	1724	85-07-03	090	900	DATASONICS 3.5 KHz ORE GEOPULSE @ 200J	"	"	"	28	10	Start of Line L-106	NORT LORAN
L-106	1729	85-07-03	090	950	"	1/8 1/8	"	"	28	10	RPM [illegible] 950	"
L-106	1825	85.07.03	090	950	" "	"	"	"	28	11	Change TO DATA Roll # 11	"
EOL L106	1848	85.07.03	090	950	" "	"	"	"	28	11	EOL L-106	"
SOL L107	1849	85.07.03	180	950	" "	"	"	"	28	11	SOL L-107	"
L-107	1918	85.07.03	180	900	"	"	"	"	28	11	Reduce RPM TO 900	
L-107	2034	85.07.03	180	950	"	"	"	"	28	11	RPM TO 1950	"

Ship/Cruise #/Leg R/V Russel Laser II | Chief Scientist Sutre Hanland

Area Ship Shoal - Coastal LA. | Operator(s) West McFarlan

Line	Time	Y-M-D	CRS	SPD	Seismic System	SWP	PROG/ Scale	Filter LO-HIGH	Tape #	Data Roll	Comments	Nav
L107	2039	85.07.03	180	1300 ~~1450~~	DATASONICS 3.5KHZ ORE GEOPULSE @ 200J	1/8/1/8	.50 sec fire .50 sec fire	2KHZ 500-2000	28	11	1300 RPM TO STAR - CHECKING PORT ENGINE	NORTH LORAN
L107	2047	85.07.03	180	—	"	1/8 1/8	"	"	29	11	Change TO TAPE # 29	
L107	2050	85.07.03	180	1300	"	"	.50 sec fire .50 sec fire	"	29	11	STAR. ENGINE DOWN PORT ENGINE RUNNING RPM 1300	
L107	2127	85.07.03	180	1300	"	"	"	2KHz 500-2000Hz	29	11	Belt change on EPC 3200	
L107	0052	85-07-04	180	1300	DATASONICS 3.5KHz ORE GEOPULSE 200J	"	"	"	30	11	Change to MAG TAPE #30	NORTH LORAN
EOL L-107	0157	85-07-04	180	1300	"	1/8 1/8	"	"	30	11	END of LINE # L-107	"
SOL L-108	0158	85-07-04	090	1300	"	"	.50 sec fire .50 sec fire	"	30	11	START of LINE L-108	"
L-108	0221	85-07-04	090	1300	"	"	"	2KHz 500-2000 Hz	30	11	Change Belt EPC 3200	"
EOL L-108	0314	85-07-04	090	1300	DATASONICS 3.5KHz ORE GEOPULSE 200J	"	"	"	30	11	END of LINE L-108	NORTH LORAN
SOL L-109	0315	85-07-04	000	1300	"	1/8 1/8	"	"	30	11	START of LINE L-109	
L-109	0453	85-07-04	000	1300	"	"	.50 sec fire .50 sec fire	"	31	11	CHANGE TO MAG. TAPE #31	"
L-109	0525	85-07-04	000	1300	"	"	"	2KHz 500-2000Hz	31	12	CHANGE TO DATA ROLL # 12	"
L-109	0620	85.07.04	000	PORT 1300	" "	1/8/1/8	.50 sec fire .50 sec fire	2KHZ 500-2000 HZ	31	12	ON LINE L109 J.W. ON	"
L-109	0750	85.07.04	000	PORT 1300	" "	"	"	"	31	12	~~BELT CHANGE EPC 3200~~	
EOL L-109	0810	85.07.04	000	1300	" "	"	"	"	31	12	EOL L-109 Pick up Gear	"
	0830	85.07.04	—	—	" "	"	"	"	~~30~~	12	changed to Mag Tape 32	
SOL-L110	1135	85.07.04	230°	1300	" "	"	"	2KHZ 700-2000	32	12	SOL L-110	"
L110	1200	85.07.04	218	1300	" "	"	"	2KHZ 700-2000	32	12	C/C TO 218°	"
L-110	1340	85-07-04	218	1300	"	"	"	"	32	12	Belt Change 3200	"

Ship/Cruise #/Leg LASER II R/V RUSSELL | Chief Scientist SUTER PENLAND

Area COASTAL LOUISIANA | Operator(s) WEST MCFARLEN

Line	Time	Y-M-D	CRS	SPD	Seismic System	SWP	PROG/Scale	Filter LO-HIGH	Tape #	Data Roll	Comments	Nav
L110	1341	85-07-04	218	1300	DATASONICS 3.5 KHz ORE GEOPULSE @ 200J	1/8 1/8	.50sec fire .50sec fire	2KHz 700-2000 Hz	32	12		LORAN NORTH
L110	1435	85-07-04	275	1300	"	1/8 1/8	"	"	32	12	C/C to 275°	"
L110	1500	85-07-04	275	1300	"	"	.50sec fire .50sec fire	"	33	12	CHANGE to MAG Tape 33 Clean Degauss	
L-110	1612	85-07-04	240	1300	"	"	"	2KHz 700-2000Hz	33	12	C/C to 240 to avoid obstacle	"
EOL L110	1623	85-07-04	240	1300	DATASONICS 3.5 KHz ORE GEOPULSE 200J	"	"	"	33	12	END of LINE L-110	LORAN NORTH
SOL L-111	1624	85-07-04	010	1300	"	1/8 1/8	"	"	33	12	START of LINE L-111	"
EOL L-111	1640	85-07-04	010	1300	DATASONICS 3.5 KHz ORE GEOPULSE @ 200J	"	"	"	33	12	END of LINE L-111	LORAN NORTH
SOL L-112	1641	85-07-04	095	1300	"	1/8 1/8	"	"	33	12	START of LINE L-112	"
EOL L-112	1645	85-07-04	095	1300	"	"	.50 sec fire .50 sec fire	"	33	12	END of LINE L-112 Equip off	"