

Ship/Cruise No./Leg: RJ RUSSELL LASER #1Chief Scientist: SUTER, Penland.

COPY

Area: \_\_\_\_\_

Operator(s): WEST, M<sup>c</sup> FARLEN85044 TAP  
104327

Line	Time	Y-M-D	Course	Speed	Seismic system	Sweep	Program/ Scale	Filter Lo-High	SA Tape No.'s	Data roll	Comments	Ne
		85-06-07	RANDOM	NO.	DATASONICS 3.5KHZ 1/2 sec. line	1/8	1/2 sec. line	2KHZ	1	1	-6db. .5ms pulse toward 5' below surface INITIAL SET UP.	RUSS LASER 1 #85044
		85-06-07			ORR-GEOPULSE ELE. <del>200 J.</del> 200 J.	1/8	1/2 sec. line	200-2000HZ	1	1		
L-1	1505	85-06-07	267	1000 RPM							SOL L-1	
L-1	1543 1545										READJUST Hydrophone input.	
L-1	1729 1748	85-06-07							1	1	Reset NORTHSTAR-	
L-1	1808	85-06-07		1000	" "	1/8 1/8	1/2 sec line	2KHZ 200-2000HZ	1	1	ON LINE L-1 J.W.	
L-1	1859	85-06-07	267	1100	" "	" "	" "	" "	2	1	changed to MAG TAPE #2	
EOL L1	1903										EOL-L-1	
SOL L-2	1904	85-06-07	280	1100	" "	" "	" "	" "	2	1	SOL L-2	
	1840	85-06-07		1100							speed up to 1100 RPM - 3.5 SKT	
L-2	2000	85-06-07	280	1100	" "	" "	" "	" "	2	1	ON LINE L-2	
L-2	2100	85-06-07	280	1100	" "	" "	" "	" "	2	1	ON LINE L-2	
EOL L-2	2250										EOL L-2	
SOL L3	2252	85-06-07	180	1100	" "	" "	" "	" "	3	1	SOL L-3 changed to TAPE 3	
L-3	2306	85-06-07	180	1000	" "	" "	" "	" "	3	1	RPM DOWN TO 1000	
L-3	2313	85-06-07	180	900	" "	" "	" "	" "	3	1	RPM DOWN TO 900	
	2335										Slowed TO ADJUST	DATASONICS TO
L-3	2343										PULLED DATASONICS ON BOARD TO	
L-3	0000	85-06-08	180	900	" "	" "	" "	" "	3	2	Pulled in GEOPULSE + Phase (rough cont)	
End-L-2	0000	85-06-08	180	900	" "	" "	" "	" "	3	2	change in transects - Change to Roll	

Ship/Cruise No./Leg: LASER I R.V. RUSSELLChief Scientist: JUTER

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
L-4	0202	85-06-08	180	1000	DANSONICS 3.5 kHz ORE GEOPULSE 200j	1/8 1/8	1/2 sec REP 1/2 sec REP	2 kHz 200-2000 Hz	3	2	Changed Reel for better conditions. SOL L-4
L-4	0212	85-06-08	180	1000	"	"	"	"	3	2	Change Reel on 3200 Recorder
EOL L-4	0301	85-06-08	180	1000	"	1/8 1/8	1/2 sec 1/2 sec	2 kHz 200-2000 Hz	3	2	EOL L-4
SOL L-5	0303	85-06-08	88	1000 rpm	"	"	"	"	3	2	SOL L-5
EOL L-5	0320	85-06-08	88	1000 rpm	"	1/8 1/8	1/2 sec REP " " "	2 kHz 200-2000 Hz	3	2	EOL L-5
SOL L-6	0321	85-06-08	0	1000 rpm	"	1/8 1/8	1/2 sec 1/2 sec	"	3	2	SOL L-6
EOL L-6	0401	85-06-08	0	1000 rpm	DANSONICS 3.5 kHz ORE GEOPULSE 200j	1/8 1/8	1/2 sec FIRE 1/2 sec FIRE	2 kHz BANDWIDTH 200-2000 Hz	3	2	END OF LINE L-6
SOL L-7	0404	85-06-08	110	1000 rpm	"	1/8	1/2 sec	2 kHz 200-2000 Hz	3	2	START OF LINE L-7
L-7	0413	85-06-08	110	950	"	"	"	"	3	2	Reduce rpm to 950
EOL L-7	0423	85-06-08	110	950	"	1/4 1/2	1/2 sec FIRE 1/2 sec FIRE	"	3	2	END OF LINE L-7
SOL L-8	0425	85-06-08	180	950	"	1/8 1/8	1/2 sec FIRE 1/2 sec FIRE	2 kHz 200-2000 Hz	3	2	START OF LINE L-8
L-8	0442	85-06-08	180	900	DANSONICS 3.5 kHz ORE GEOPULSE 200j	1/8 1/8	1/2 sec FIRE 1/2 sec FIRE	2 kHz 200-2000 Hz	3	2	RPM DECREASE TO 900
L-8	0453	85-06-08	180	900	"	"	"	"	3	2	EOT. 1946'
L-8	0455	85-06-08	180	900	"	1/8 1/8	1/2 sec FIRE " "	"	4	2	Change to MAG Tape 4
EOL L-8	0534	85-06-08	180	900	"	1/8 1/8	"	"	4	2	EOL L-8 GOOD SECTION REEL
SOL L-9	0536	85-06-08	090	900	"	1/8 "	"	"	4	2	START OF L-9
EOL L-9	0551	85-06-08	090	900	"	"	"	"	4	2	END OF LINE L-9
SOL L-10	0553	85-06-08	000	900	"	"	"	"	4	2	Start of line L-10
EOL L-10	0716	85-06-08	000	900	"	"	"	"	4	2	EOL - L-10
SOL - L-11	0718	85-06-08		900	"	"	"	"	4	2	SOL - L-11

Ship/Cruise No./Leg:

LASER I

R V RUSSELL

Chief Scientist:

SUTER PENLAND

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
L-11	0720	85.06.08	090	900R.	DATASONICS Geopulse	1/2	.5 sec line	2KHZ 200-2000	4	2		ME LOG
EOL-L-11	0737	85.06.08	90°	900	"	"	"	"	4	2	EOL-L-11	"
SOL-L-12	0739	85.06.08	180	900°	"	"	"	"	4	2	SOL-L-12	"
L-12	0745	85.06.08	180	900°	"	"	"	"	4	2	CHANGED BRITON 3200	"
L-12	0900	85.06.08	180	900°	"	"	"	"	5	2	CHANGED TO TAPE #5	"
EOL L-12	0905	85.06.08	180	900	"	"	"	"	5	2	EOL-L-12	"
SOL L-13	0907	85.06.08	090	900	"	"	"	"	5	2	SOL-L-13	"
EOL-L-13	0926	85.06.08	090°	900	"	"	"	"	5	2	EOL L-13	"
SOL-L-14	0928	85.06.08	000°	900	"	"	"	"	5	2	SOL L-14	"
L-14	1017	85.06.08	000°	1000	"	"	"	"	5	2	RPM TO 1000	"
EOL L-14	1105	85.06.08	000°	1000	"	"	"	"	5	2	EOL L-14	"
SOL L-15	1108	85.06.08	090°	1000	"	"	"	"	5	2	SOL L-15	"
EOL L-15	1124	85.06.08	090°	1000	"	"	"	"	5	2	EOL L-15	"
SOL L-16	1125	85.06.08	184°	1000	"	"	"	"	5	2	SOL L-16	"
L-16	1201	85.06.08	184	1000	"	"	"	"	5	2	Shorten Geopulse by 10' <sup>Phone</sup>	"
L-16	1217	85.06.08	184	1000	"	"	"	"	5	3	CHANGED TO DATA ROLL #3	"
EOL L-16	1236	85.06.08	184	1000	"	1/8"	.5 sec	2KHZ 200-2000	5	3	EOL L-16	"
SOL L-17	1237	85-06-08	90	1000	"	"	"	"	5	3	SOL L-17	"
EOL L-17	1243	85.06.08	90	1000	"	"	"	"	5	3	EOL L-17	"
					DATASONICS	1/8"	.5 sec	2KHZ	5	2	SOL L-17	"

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

Chief Scientist: SUTHER 'PENNING'

Area: JUNE 85

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
L-18	1302 1305	85-06-08	0	1000	DATASONICS GEO PULSE	1/8 1/8	.5 sec fine .5 sec fine	2KHz 200-2000	6	3	Change to Mag #6 CLEAN DEGAUSE	NO LO
L-18	1313	"	"	900	"	"	"	"	6	3	Reduce RPM to 900	
EOL L18	1409	85-06-08	0	"	"	"	"	"	6	3	END OF LINE L18	
SOL L19	1410	85-06-08	100	900	"	"	"	"	6	3	START OF LINE L19	NO LO
SOL L20	1422	85-06-08	175	900	"	1/8 1/8	.5 " .5 "	"	6	3		
EOL L19	1420	85-06-08	100	900	"	"	"	"	6	3	END OF LINE L19	
SOL L20	1422	85-06-08	175	900	"	1/8 1/8	.5 " .5 "	2KHz 200-2000Hz	6	3	START OF LINE L20	
EOL L20	1539	85-06-08	175	900	"	"	"	"	6	3	END OF LINE L20	
SOL L21	1540	85-06-08	90	900	"	1/8 1/8	.5 " .5 "	"	6	3	START OF LINE L21	NO LO
EOL L21	1603	85-06-08	90	900	"	"	"	"	6	3	END OF LINE L21	NO LO
SOL L22	1605	85-06-08	0	900	"	"	"	"	6	3	START OF LINE L22	
<del>SOL</del> L.22	1608 1611	85-06-08	0	900	"	"	"	"	6	3	CLEAN 3200V Change Belt	
L-22	1708 1709	85-06-08	0	900	DATASONICS GEO PULSE	1/8 1/8	.5 sec fine .5 sec fine	2KHz 200-2000	7	3	Change to Mag Tape #7	
EOL L22	1731	85-06-08	0	900	"	"	"	"	7	3	END OF LINE L-22	
SOL L23	1732	85-06-08	075	900	"	"	"	"	7	3	START OF LINE L-23	
EOL L-23	1804	85-06-08	075	900	"	"	"	"	7	3	END OF LINE L-23	
SOL L-24	1805	85-06-08	175	900	"	1/8 1/8	.5 sec fine	2KHz 200-2000 Hz	7	3	SOL L-24	
L-24	1930	85-06-08	175	800	"	"	"	"	7	3	Reduce RPM to 800	
L-24	2004	85-06-08	175	750	"	"	"	"	7	3	Reduce speed to 750 RPM	
					DATASONICS	1/8 1/8	.5 sec fine	2KHz	7	3	SIDE SCAN IN ABOUT 1950	

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 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
L-24	2037	85-06-07	175	800	DATASONICS GEOPULSE	1/8 1/8	.5 sec FIRE .5 sec FIRE	2 KHz 200-2000	7	3	Back up to speed 800 rpm	Lo No
L-24	2109	85-06-08	175	800	"	"	"	"	8	3	CHANGED TO MAG TAPE #8	
EOL L-24	2130	85-06-08	175	800	"	1/8 1/8	.5 sec FIRE .5 sec FIRE	2 KHz 2000-2000	8	3	EOL - L-24	
SOL L-25	2132	85-06-08	090	800	"	"	"	"	8	3	SOL - L-25	
EOL L-25	2148	85-06-08	090	800	"	"	"	"	8	3	EOL - L-25	
SOL L-26	2151	85-06-08	000°	800	"	"	"	"	8	3	SOL - L-26	
L-26	2254	85-06-08	000°	750	"	"	"	"	8	3	Reduce RPM TO 750	
L-26	2344	85-06-08	000	750	"	"	"	"	8	4	CHANGED TO DATA ROLL #4	
L-26	2344	85-06-08	020°	750	"	"	"	"	8	4	CHANGED BELT ON 3200	
L-26	0010	85-06-08	000°	800	"	"	"	"	8	4	RPM TO 800	
L-26	0113	85-06-09	000°	800	DATASONICS GEOPULSE	1/8 1/8	.5 sec FIRE .5 sec FIRE	2 KHz 200-2000	#9	4	change to Mag Tape #9	N L
EOL L-26	0128	85-06-09	000°	800	"	"	"	"	9	4	EOL L-26	
SOL L-27	0130	85-06-09	090°	800	"	"	"	"	9	4	START OF LINE L-27	
EOL L-27	0149	85-06-09	090°	800	"	"	"	"	9	4	END OF LINE L-27	
SOL L-28	0150	85-06-09	175	800	"	"	"	"	9	4	START OF LINE L-28	
L-28	0152	85-06-09	175	850	"	"	"	"	9	4	RPM increase to 850	
L-28	0245	85-06-09	175	1000	"	"	"	"	9	4	Shut down PORT ENGINE - UP STD. ENGINE to 1000 RPM	
L-28	0308	85-06-09	175	1000	DATASONICS 3.5 KHz GEOPULSE @ 200J.	1/8 1/8	.5 sec FIRE .5 sec FIRE	2 KHz 200-2600 Hz	9	4	Both engines died - attempt OUT OF WATER. 0605 - RETURNING to Coade	
	0605	85-06-09			"	"	"	"	"	"	for repair to problem in starting/chose	