

THE UNIVERSITY OF TEXAS AT AUSTIN
INSTITUTE FOR GEOPHYSICS
R.V. FRED H. MOORE

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MULTICHANNEL SEISMIC ACQUISITION LOG

CRUISE FM3507

LINE 9

PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME \geq	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357001	04:21:57	00001	00001	8	2	34	20	0	1481		
357002	05:02:11	00121	0121	8	2	44	20	0	1620	while making neartrace copy got input trace error = 305	
357003	05:42:02	00241	00241	8	2	42	20	0	1725	- completed neartrace copy of REF#(357002)	
357004	06:22:02	00361	00361	8	2	37	20	0	1560		
357005	07:02:02	00481	00481	8	2	36	20	0	1631		
357006	07:42:02	00601	00601	8	2	42	20	0	1646	shot #655, 656 no good due to low air pressure	
357007	08:02:02	00721	00721	8	2	39	20	0	1458	657, 658, 659, 660, 661, 662 663, 664 not fired	
357007	08:41:42	00780	00780	8	2	39	20	0	1237	channel 65 noisy	
357007	09:01:00	00840	00840	8	2	39	20	0	1121		
357008	09:01:00	00841	00841	8	2	39	20	0	1121		
357008	09:21:00	00900	00900	8	2	39	20	0	1074		
357008	09:40:00	00960	00960	8	2	39	20	0	582		
357009	09:40:00	00961	00961	8	2	39	20	0	582		
357009	10:02:00	01021	01021	8	2	39	20	0	620		
357009	10:21:38	01080	01080	8	2	39	20	0			

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REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH <u>meters</u>	REMARKS	OP
357010	10:21:39	1081	1081	8	2	39	20	0	1116		
357010	10:42:00	1141	1141	8	2	39	20	0	1094		
357010	11:01:50	1200	1200	8	2	39	20	0	1219		
357011	11:01:50	1201	1201	8	2	39	20	0	1219		
357011	11:31:47	1289	1289	8	2	39	20	0	1365		
357011	11:42:22	1320	1320	8	2	39	20	0	1421		
357012	11:42:22	1321	1321	8	2	39	20	0	1421		
357012	12:02:16	1381	1381	8	2	39	20	0	1417.5		
357012	12:22:00	1440	1440	8	2	39	20	0	1384		
357013	12:22:00	1441	1441	8	2	39	20	0	1384		
357013	12:42:28	1501	1501	8	2	39	20	0	1338		
357013	13:02:08	1560	1560	8	2	39	20	0	1269		
357014	13:02:08	1561	1561	8	2	39	20	0	1269		
357014	13:21:42	1621	1621	8	2	39	20	0	1260		
357014	13:42:00	1680	1680	8	2	39	20	0	938		

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PROJECT BONIN ARC - STUDENT

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PROJECT BONIN ARC - STUDENT CRUISE

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	PSI* (AVG)	REMARKS	OP
357020	18:28:07	0001	0001	8	2	39	20	0	1650		* AVERAGE PRESSURE	
357020	18:47:47	0060	0060	8	2	39	20	0	1946		OF GUN JUST BEFORE FIRING	
357020	19:07:48	0126	00126	8	2	39	20	0	2053	1900		
357021	19:07:49	0127	0127	8	2	39	20	0	2053	1880		
357021	19:28:20	0182	0182	8	2	39	20	0	2063	1960		
357021	19:47:50	0240	0240	8	2	39	20	0	2078	1965		
357022	19:48:10	0241	0241	8	2	39	20	0	2072	1967		
357022	20:08:00	0301	0301	8	2	39	20	0	2110	1965		
357022	20:27:50	0360	0360	8	2	39	20	0	2119	1970		
357023	20:28:00	0361	0361	8	2	39	20	0	2119	1965		
357023	20:41:45	0401	0401	8	2	39	20	0	2119	1970		
357023	21:08:00	0486	0480	8	2	39	20	0	2143	1970		
357024	21:08:10	0481	0481	8	2	39	20	0	2143	1975		
357024	21:28:00	0541	0541	8	2	39	20	0	2141	1940		
357024	21:48:00	0660	0600	8	2	39	20	0	2138	1945		

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LINE 8

PROJECT BONINARC

REEL NUMBER	TIME Z	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	<u>PST</u> REMARKS	OP
357025	21:48:23	0601	0601	8	2	39	20	0	2138	1950	
357025	22:08:04	0661	0661	8	2	39	20	0	1763	1955	
357025	22:28:00	0720	0720	8	2	39	20	0	1744	1930	
357026	22:28:10	0721	0721	8	2	39	20	0	1744	1940	
357026	22:48:05	0781	0781	8	2	39	20	0	1791	1950	
357026	23:07:40	0840	0840	8	2	39	20	0	1969	1940	
357027	23:07:50	0841	0841	8	2	39	20	0	1969	1920	
357027	23:28:22	0901	0901	8	2	39	20	0	2276	1933	
357027	23:48:02	0960	0960	8	2	39	20	0	2280	1930	
357028	23:48:12	0961	0961	8	2	39	20	0	2280	1935	
357028	00:08:31	1021	1021	8	2	39	20	0	2280	1930	
357028	00:28:40	1080	1080	8	2	39	20	0	2280	1950	
357029	00:28:50	1081	1081	8	2	39	20	0	2280	1955	
357029	00:48:19	1141	1141	8	2	39	20	0	2278	1960	
357029	01:07:40	1200	1200	8	2	39	20	0	2273	1965	

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PROJECT BONIN ARC

REEL NUMBER	TIME Σ	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH (m)	REMARKS	OP
357030	0108:00	1201	1201	8	2	39	20	0	2269	1965	
357030	0127:38	1260	1260	8	2	39	20	0	2280	1975	
357030	0147:39	1320	1320	8	2	39	20	0	2280	1970	
357031	0147:59	1321	1321	8	2	39	20	0	2280	1975	
357031	0207:39	1380	1380	8	2	39	20	0	2282	1970	
357031	0227:39	1440	1440	8	2	39	20	0	2288	1960	
357032	0227:59	1441	1441	8	2	39	20	0	2288	1960	
357032	0247:39	1500	1500	8	2	39	20	0	2288	1960	
357032	0307:39	1560	1560	8	2	39	20	0	2280	1960	
357033	0307:59	1561	1561	8	2	39	20	0	2280	1960	
357033	03:27:47	1620	1620	8	2	39	20	0	2213	1950	(Due to a failure in logge. Bad shot headers 17 records 1590-1600)
357033	03:47:47	1680	1680	8	2	39	20	0	2138	1945	
357034	03:48:07	1681	1681	8	2	39	20	0	2138	1945	
357034	04:07:47	1740	1740	8	2	39	20	0	2109	1950	
357034	4:27:46	1800	1800	8	2	39	20	0	2081	1945	

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LINE 1

PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
<u>357036</u>	<u>0429-</u>	<u>0001</u>	<u>0001</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>4500m</u>	<u>1 gun - 2000 psi</u>	<u>MP</u>
<u>357036</u>	<u>0442-</u>	<u>0061</u>	<u>0061</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>4830</u>	<u>1 gun - 1996 psi</u>	<u>"</u>
<u>357036</u>	<u>0457</u>	<u>0120</u>	<u>0120</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>4950</u>	<u>1 gun - 1993</u>	<u>MP</u>
<u>357037</u>	<u>0457</u>	<u>0121</u>	<u>0121</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>4950</u>	<u>1 gun 1983</u>	<u>MP</u>
<u>357037</u>	<u>0511</u>	<u>0180</u>	<u>0180</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>5119</u>	<u>0510 - 2 guns - 2000</u>	<u>MP</u>
<u>357037</u>	<u>0524</u>	<u>0240</u>	<u>0240</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>5250</u>	<u>2012 psi</u>	<u>MP</u>
<u>357038</u>	<u>0524</u>	<u>0241</u>	<u>0241</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>14</u>	<u>4.0</u>	<u>5363</u>	<u>2005</u>	<u>MP</u>
<u>357038</u>	<u>0540</u>	<u>0301</u>	<u>0301</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5513</u>	<u>1 to 6 sec delay 2023</u>	<u>MP</u>
<u>357038</u>	<u>0554</u>	<u>0360</u>	<u>0360</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5557</u>	<u>psi 1980</u>	<u>MP</u>
<u>357039</u>	<u>0554</u>	<u>0361</u>	<u>0361</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5557</u>	<u>1965</u>	<u>MP</u>
<u>357039</u>	<u>0610</u>	<u>420</u>	<u>420</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5595</u>	<u>1995</u>	<u>MP</u>
<u>357039</u>	<u>0627</u>	<u>480</u>	<u>480</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5610</u>	<u>1970</u>	<u>MP</u>
<u>357040</u>	<u>0627</u>	<u>481</u>	<u>481</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5610</u>	<u>1980</u>	<u>MP</u>
<u>357040</u>	<u>0642</u>	<u>540</u>	<u>540</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>	<u>5603</u>	<u>1932</u>	<u>MP</u>
<u>357040</u>	<u>0658</u>	<u>600</u>	<u>600</u>	<u>8</u>	<u>2</u>	<u>48</u>	<u>16</u>	<u>6.0</u>		<u>2040</u>	

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LINE 1

PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	PSI	REMARKS	OP
357041	0658	601	601	8	Z	43	16	6.0	5602	2030		
357041	0714	660	660	8	Z	43	16	6.0	5464	2030		
357041	0730	720	720	8	Z	43	16	6.0	5284	2020		
357042	0730	721	721	8	Z	43	16	6.0	5284	2022		
357042	0746	780	780	8	Z	43	16	6.0	5663	2080		
357042	0758	820	820	8	Z	43	16	6.0	5805	1970	Gun pressure dropped	
357042	0804	840	840	8	Z	43	16	6.0	5805	1970	to < 1800 PSI, switched	
357043	0805	841	841	8	Z	42	17	7.0	5805	1970	to new gun	
357043	0819	900	900	8	Z	42	17	7.0	5805	1970	← changed Rep rate and	
357043	0836	960	960	8	Z	42	17	7.0	5805	1970	time delay. REP RATE = 175	
357043	0836	960	960	8	Z	42	17	7.0	5805	1970	TIME DELAY: 7 sec	
357044	0836	961	961	8	Z	42	17	7.0	5805	1970	* Shots 846, 847 affected (NO GOOD)	
357044	0841	970-976	977-978	8	Z	42	17	7.0	5805	1970	2010 PSI	
357044	0853	1020	1020	8	Z	42	17	7.0	6926	1995	Malfunction on gun C7, switched to C8	
357044	0910	1080	1080	8	Z	42	17	7.0	7013	1985	* Shots 970-976 not fired	
357045	0910	1081	1081	8	Z	42	17	7.0	7013	1990		

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LINE

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PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	<u>P</u> <u>2</u>	REMARKS	OP
357045	09:28	1140	1140	8	Z	42	17	7	PDR	<u>6</u> <u>5</u>	Shot 1142 may be affected by REP/	
357045	09:29	1142	1142	8	Z	40	18	8	LOST		TIME DELAY change	
357045	09:31	1155-	1155	8	Z	40	18	8	sig		- Gun firing but reading misfire	
357045	09:37	1172	1172	8	Z	40	18	8	nal		pressure OK	
357045	09:45	1173	1173	8	Z	40	18	8	7624		* guns turned off (shot count stopped)	
357045	09:52	1197	1197	8	Z	40	18	8	7598		- resumed firing (1850 PSI)	
357045	09:54	1200	1200	8	Z	40	18	8			09:52 Guns firing early 09:53 OK 1940 PST	
357046	09:54	1201	1201	8	Z	40	18	8	7594	1940		
357046	10:13	1260	1260	8	Z	40	18	8	7678	2010		
357046	10:29	1320	1320	8	Z	40	18	8		2015		
357047	10:29	1321	1321	8	Z	40	18	8		2010		
357047	10:49	1380	1380	8	Z	40	18	8		1985		
357047	11:06	1440	1440	8	Z	40	18	8		1950	1445-1460 pressure low 1700-1800 psi	
357048	11:06	1441	1441	8	Z	40	18	8		1955		
357048	11:24	1500	1500	8	Z	40	18	8		1930		

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LINE 2

PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357052	1501-1521	0001	0001	8	2	47	20	8	7890	1990	M E
357052	1521 Z	0060	0060	8	2	47	20	8	7890	1995	
357052	1540 Z	0120	0120	8	2	47	20	8	9300	A66 no fine 2019	
357053	1540 Z	0121	121	8	2	47	20	8	9300	2006	
357053	1600 Z	180	180	8	2	47	20	8	8663	psi 2022	✓
357053	1621 Z	240	240	8	2	47	20	8	8250	2027	
357054	1621 Z	241	241	8	2	47	20	8	8250	2027	
357054	1640 Z	300	300	8	2	47	20	8	7800	1979	
357054	1700 Z	360	360	8	2	47	20	8	7575	1973	
357055	1700	361	361	8	2	47	20	8	7575	1975	
357055	17:20 Z	420	420	8	2	47	20	8	7522	1973	
357055	17:40	480	480	8	2	47	20	8	7162	1968	
357056	17:40	481	481	8	2	47	20	8	7162	1973	
357056	1801	540	540	8	2	47	20	8	7056	1973	
357056	18:20	600	600	8	2	47	20	8	6885	1883	

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357057	1820	601	601	8	2	37	20	8	6885	1883	
357057	1840	660	660	8	2	37	20	7	6877	Deep water delay 1971 Δ'd @ 638	
357057	1900	720	720	8	2	37	20	7	6540	1977	
357058	1900	721	721	8	2	37	20	7	6540	1977	
357058	1920:00	780	780	8	2	37	20	7	6188	1970	
357058	1940	840	840	8	2	37	20	7	5903	1965 814-833 : 6.0 delay 813 : 0.0 delay	
357059	1940	841	841	8	2	37	20	7	5903	2000	
357059	2000	900	900	8	2	37	20	7	5775	1890	
357059	2020	960	960	8	2	37	20	7	5719	1960	
357060	2020	961	961	8	2	37	20	7	5719	1990	
357060	2040	1020	1020	8	2	37	20	7	5580	1980	
357060	2100	1080	1080	8	2	37	20	7	5561	1980	
357061	2100	1081	1081	8	2	37	20	7	5561	1990	
357061	2120	1140	1140	8	2	37	20	7	5512	1980	
357061	2140	1200	1200	8	2	37	20	7	5475	1980	

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LINE 2

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REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357062	2140	1201	1201	8	2	37	20	7	(m)	1970	
357062	2200	1260	1260	8	2	37	20	7		1970	
357062	2220	1320	1320	8	2	37	20	7		1980	
357063	2220	1321	1322	8	2	37	20	7		1980 RECORD# / SHOT# SINCE ?	
357063	2240	1380	1381	8	2	37	20	7	4958	1970	
357063	2300	1440	1441	8	2	37	20	7	4718	1429: 0.05 delay 1430: Δ to 5.05 delay 1438: Δ to 4.05 delay	
357064	2300	1441	1442	8	2	37	20	4	4718		
357064	2321	1500	1501	8	2	37	20	4	4388	1970	
357064	23:41	1560	1561	8	2	37	20	4	4144	1970	
357065	23:41	1561	1562	8	2	37	20	4	4144	1970	
357065	00:02	1620	1621	8	2	37	20	4	3975	1980	
357065	00:20	1680	1681	8	2	37	20	4	3788	1940	
357066	00:20	1681	1682	8	2	37	20	4	3788	1875	
357066	00:40	1740	1741	8	2	37	20	4	3675	1980	
357066	01:01	1800	1801	8	2	37	20	4	3534	1970	

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LINE 2

PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357067	0101	1801	1802	8	2	37	20	4	3543	1750	
357067	0120	1860	1861	8	2	37	20	4	3465	1950 CHANGE DELAY TO 2050 (1800)	
										GAP IN SHOOTING - LOST GUNS 0130	
357067	0144	1920	1920	8	2	37	20	2	3368	1980 SHOT# = RECORD#	
357068	0144	1921	1921	8	2	37	20	2	3368	1980 - SHOT 1887 not fired	
357068	0204	1980	1980	8	2	37	20	2	3285	1980	
357068	0224	2040	2040	8	2	37	20	2	3188	1980	
357069	0224	2041	2041	8	2	37	20	2	3188	1980	
357069	0244	2100	2100	8	2	37	20	2	3090	1980	
357069	0304	2160	2160	8	2	37	20	2	3015	1980	
357070	0304	2161	2161	8	2	37	20	2	3015	1985	
357070	0323	2220	2220	8	2	37	20	2	3000	1990	
357070	0344	2280	2280	8	2	37	20	2	2910	1990	
357071	0344	2281	2281	8	2	37	20	2	2910	1985	
357071	0404	2340	2340	8	2	37	20	2	2812	1995	

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PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357071	04:24	2400	2400	8	2	37	20	2	2730	1990 - AVERAGE AIR PRESSURE JUST BEFORE GUNS FIRE	
357072	04:24	2401	2401	8	2	37	20	2	2730	1990	
357072	04:45	2460	2460	8	2	37	20	2	2730	1985	
357072	05:04	2520	2520	8	2	37	20	2	2475	1995	
357073	05:04	2521	2521	8	2	37	20	2	2475	1995	
357073	05:24	2580	2580	8	2	37	20	2	2460	1990	
357073	05:44	2640	2640	8	2	37	20	2	2370	1990	
357074	05:44	2641	2641	8	2	37	20	2	2370	1990	
357074	06:04	2700	2700	8	2	37	20	2	2422	2000	
357074	06:24	2760	2760	8	2	37	20	2	2730	2000	
357075	06:24	2761	2761	8	2	37	20	2	2730	2000	
357075	06:44	2820	2820	8	2	37	20	2	2709	1995	
357075	07:04	2880	2880	8	2	37	20	2	2719	1995	
357076	07:04	2881	2881	8	2	37	20	2	2719	1990	
357076	07:24	2940	2940	8	2	37	20	2	2685	1995	

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REEL NUMBER	TIME Σ	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357076	0744	3000	3000	8	2	37	20	2	2634	2000	
357077	0744	3001	3001	8	2	37	20	2	2634	1996	
357077	0804	3060	3060	8	2	37	20	2	2629	1995	
357077	0824	3120	3120	8	2	37	20	2	2597	1968	
357078	0824	3121	3121	8	2	37	20	2	2597	1968	
357078	0844	3180	3180	8	2	37	20	2	2559	1965	
357078	0904	3240	3240	8	2	37	20	2	2554	1964	
357079	0904	3241	3241	8	2	37	20	2	2554	1965	
357079	0924	3300	3300	8	2	37	20	2	2542	1966	
357079	0944	3360	3360	8	2	37	20	2	2524	1968	
357080	0944	3361	3361	8	2	37	20	2	2524	1968	
357080	1004	3420	3420	8	2	37	20	2	2484	1970	
357080	1024	3480	3480	8	2	37	20	2	2443	1970	
357081	1024	3481	3481	8	2	37	20	2	2443	1970	
357081	1036	3517	3517	8	2	37	20	2	2449	1969	

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PROJECT BONIN ARC / Student Cruise XI

REEL NUMBER	TIME _z	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH (m)	REMARKS	OP
357082	10.36	3518	3518	8	2	37	20	2	2449	1969	
357082	10.56	3577	3577	8	2	37	20	2	2419	1968	
357082	11.16	3637	3637	8	2	37	20	2	2400	1970	
357083	11.16	3638	3638	8	2	37	20	2	2400	1970	
357083	11.36	3697	3697	8	2	37	20	2	2378	1960 shots 3648, 3650 missed.	
357083	11.56	3757	3757	8	2	37	20	2	2338	1920	
357084	11.56	3758	3758	8	2	37	20	2	2338	1920	
357084	12.16	3817	3817	8	2	37	20	2	2310	1950	
357084	12.36	3877	3877	8	2	37	20	2	2282	1955	
357085	12.36	3878	3878	8	2	37	20	2	2282	1955	
357085	12.56	3937	3937	8	2	37	20	2	2250	2000	
357085	13.16	3996	3996	8	2	37	20	2	2213	2000	
357086	13.16	3997	3997	8	2	37	20	2	2213	2000	
357086	13.36	4056	4056	8	2	37	20	2	2183	1990	
357086	13.56	4116	4116	8	2	37	20	2	2171	1990	

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LINE 3

PROJECT Bonin Arc / Student Cruise X₃

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357091	1646	4601	4600	8	2	37	20	2	1893	1350	
357091	1706	4660	4659	8	2	37	20	2	1856	1300	
357091	1726	4720	4719	8	2	37	20	2	1815	1295	
357092	1726	4721	4720	8	2	37	20	2	1815	1220	
357092	1746	4780	4779	8	2	37	20	2	1777	shot 4770 - starboard gun back on line pressure increasing	
357092	1806	4840	4839	8	2	37	20	2	1680	2021	
357093	1806	4841	4840	8	2	37	20	2/0	1680	1984 (from shot 4872) delay zero	
357093	1826	4900	4899	8	2	37	20	0	1642	2004	
357093	1846	4960	4959	8	2	37	20	0	1601	2051	
357094	1846	4961	4960	8	2	37	20	0	1601	2052	
357094	1906	5020	5019	8	2	37	20	0	1583	2042	
357094	1925	5080	5079	8	2	37	20	0	1479	2050	
357095	1925	5081	5080	8	2	37	20	0	1479	2050	
357095	1945	5140	5139	8	2	37	20	0	1376	2050	
357095	2005	5200	5199	8	2	37	20	0	1594		

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PROJECT Bonin Arc/Student Cruise

REEL NUMBER	TIME _Z	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357096	2005	5201	5200	8	2	37	20	0	1594	2047	
357096	2025	5260	5259	8	2	37	20	0	1763	2057	
357096	2045	5320	5319	8	2	37	20	0	1950	1982	
357097	2045	5321	5320	8	2	37	20	0	1950	1976	
357097	2105	5380	5379	8	2	37	20	0	2269	1980	
357097	2125	5440	5439	8	2	37	20	0	2280	1990	
357098	2125	5441	5440	8	2	37	20	0	2280	2060	
357098	2145	5500	5499	8	2	37	20	0	2291	2057	
357098	2205	5560	5559	8	2	37	20	0	2259	2056	
357099	2205	5561	5560	8	2	37	20	0	2259	2058	
357099	2225	5620	5619	8	2	37	20	0	2231 ¹⁹⁰	2056	
357099	2245	5680	5679	8	2	37	20	0	2235 ¹⁹²	2056	
357100	2245	5681	5680	8	2	37	20	0	2235	2058	
357100	2305	5740	5739	8	2	37	20	0	2231	2055	
357100	2327	5803	5802	8	2	37	20	0	2231	2054	

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PROJECT Bonin Arc/Student Cruise

REEL NUMBER	TIME \geq	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH (m)	REMARKS	OP
357101	2327	5804	5803	8	2	37	20	0	2231	2059	
357101	2346	5863	5862	8	2	37	20	0	2231	2060	
357101	0006	5923	5922	8	2	37	20	0	2100	2035	
357102	0006	5924	5923	8	2	37	20	0	2100	2035	
357102	0242	5983	5982	8	2	37	20	6	2231	guns shutdown 0024 Last recorded shot is 5979	
357102	0302	6042	6041	8	2	37	20	0	2203	2010 WE MAY HAVE 2 5979 SHOTS	
357103	0302	6043	6042	8	2	37	20	0	2203	2000	
357103	0322	6103	6102	8	2	37	20	0	2081	1980	
357103	0342	6163	6162	8	2	37	20	0	2212	1990	
357104	0342	6164	6163	8	2	37	20	0	2212	1970	
357104	0402	6223	6222	8	2	37	20	0	2040	1980	
357104	0422	6283	6282	8	2	37	20	0	1927	1985	
357105	0422	6284	6283	8	2	37	20	0	1927	1985	
357105	0442	6343	6342	8	2	37	20	0	1927	1985	
357105	0502	6403	6402	8	2	37	20	0	1897	1990	

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PROJECT BONIN ARC/STUDENT CRUISE

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LINE 4

PROJECT BONIN ARC/Student Cruise

REEL NUMBER	TIME \geq	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357110	12 04	0001	0001	8	2	37	20	0	1622	First 3 or 4 shots may be messed up since not timed correctly.	
357110	12 24	0060	0060	8	2	37	20	0	1547	1950	
357110	12 43	0120	0120	8	2	37	20	0	1523	1930	
357111	12 43	0121	0121	8	2	37	20	0	1523	1930	
357111	13 03	0180	0180	8	2	37	20	0	1322	1980	
357111	13 23	0240	0240	8	2	37	20	0	1515	1980	
357112	1323	0241	0241	8	2	37	20	0	1515	1990	
357112	1343	0300	0300	8	2	37	20	0	1478	1980	
357112	1403	0360	0360	8	2	37	20	0	1492	1910 } TEMPORARY LOW PRESSURE	
357113	1403	0361	0361	8	2	37	20	0	1492	1910 } BACK TO 1970	
357113	1423	0420	0420	8	2	37	20	0	1725	1980	
357113	1443	0480	0480	8	2	37	20	0	1440	1980	
357114	1443	0481	0481	8	2	37	20	0	1440	1970	
357114	1503	0540	0540	8	2	37	20	0		1980	
357114	1524	0600	0600	8	2	37	20	0			

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LINE 4

PROJECT Borini Arc / STUDENT CRUISE XL

REEL NUMBER	TIME <u>z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357115	1524	601	601	8	2	37	20	0	1515	1981	M
357115	1544	660	660	8	2	37	20	0	1582	1983	
357115	1604	720	720	8	2	37	20	0	1575	1970	E
357116	1604	721	721	8	2	37	20	0	1575	1950	
357116	1623	780	780	8	2	37	20	0	1942	1963	P
357116	1643	840	840	8	2	37	20	0	2705	1934	
357117	1643	841	841	8	2	37	20	0	2205	1939	
357117	1703	900	900	8	2	37	20	0	2220	1940	
357117	1723	960	960	8	2	37	20	0	2220	1943	
357118	1723	960	960	8	2	37	20	0	2220	1944	
357118	1743	960	960	8	2	37	20	0	2212	1938	
357118	1803	1080	1080	8	2	37	20	0	2175	1945	
357119	1803	1081	1081	8	2	37	20	0	2175	1949	
357119	1823	1140	1140	8	2	37	20	0	2205	1949	
357119	1843	1200	1200	8	2	37	20	0	2190	1943	

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LINE 4

PROJECT BONIN ARC # / STUDENT CRUISE SI

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	PSI	REMARKS	OP
357120	1843	1201	1201	8	2	37	20	0	2190	1943		
357120	19:13	1260	1260	8	2	37	20	0	2205	1955		
357120	19:23	1320	1320	8	2	37	20	0	2220	1950		
357121	19:23	1321	1321	8	2	37	20	0	2220	1949		
357121	19:43	1380	1380	8	2	37	20	0	2263	1954		
357121	20:03	1440	1440	8	2	37	20	0	2276	1953		
357122	20:03	1441	1441	8	2	37	20	0	2276	1961		
357122	20:23	1500	1500	8	2	37	20	0	2276	1955		
357122	20:43	1560	1560	8	2	37	20	0	2212	1958		
357123	20:43	1561	1561	8	2	37	20	0	2216	1955		
357123	21:03	1620	1620	8	2	37	20	0	1158	1960		
357123	21:23	1680	1680	8	2	37	20	0	1170	1960		
357124	21:23	1681	1681	8	2	37	20	0	1170	1960		
357124	21:43	1740	1740	8	2	37	20	0	1890	1952		
357124	22:03	1800	1800	8	2	37	20	0	1354	1950		

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LINE 4

PROJECT student Cruise
(n)

REEL NUMBER	TIME Z	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357125	22:03	1801	1801	8	2	37	20	0	1354	1950	
357125	22:23	1860	1860	8	2	37	20	0	1473	1930	
357125	22:43	1920	1920	8	2	37	20	0	1623	1928	
357126	22:43	1921	1921	8	2	37	20	0	1623	1930	
357126	23:03	1980	1980	8	2	37	20	0	1628	1900	
357126	23:23	2040	2040	8	2	37	20	0	1635	1920	
357127	23:23	2041	2041	8	2	37	20	0	1635	1902	
357127	23:43	2100	2100	8	2	37	20	0	1659	1700 gun pressure dropped shook bad gun.	
357127	00:03	2160	2100	8	2	37	20	0	1701		
357128	00:03	2161	2161	8	2	37	20	0	1701		
357128	00:23	2220	2220	8	2	37	20	0	1719		
357128	00:43	2280	2280	8	2	37	20	0	1823		
357129	00:43	2281	2281	8	2	37	20	0	1823		
357129	00:55	2313	2313	8	2	37	20	0	1884	End of line 4	
					2						

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LINE 5

PROJECT BONIN ARC II STUDENT CRUISE

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357130	0423	0001	0001	8	2	31	25	0	1755	1- ITB, in shot - thru #5 streamer front noise (6-24)	AIR PRESS. 1920.
357130	0446	0060	0060	8	2	31	25	0	1706	1915	
357130	0510	0120	0120	8	2	31	25	0	1620	1915	
357131	0510	0121	0121	8	2	31	25	0	1620	1935	
357131	0536	0180	0180	8	2	31	25	0	1550	177 pressure drop 1400-1500. First array in array misfires continuously	
357131	06:00	0240	0240	8	2	31	25	0	1516	1980	
357132	06:00	0241	0241	8	2	31	25	0	1516	1980	
357132	0625	0300	0300	8	2	31	25	0	1500	1970.	
357132	0650	0360	0360	8	2	31	25	0	1453	1950. (A+ shot 349 array A replaced by array B)	
357133	0650	0361	0361	8	2	31	25	0	1453	1924	
357133	0715	0420	0420	8	2	31	25	0	1378	1924	
357133	0740	0480	0480	8	2	31	25	0	1209	1925	
357134	0741	0481	0481	8	2	31	25	0	1209	1928	
357134	0805	0540	0540	8	2	31	25	0	778		
357134	0811	0553	0553	8	2	31	25	0	701	TAPE stopped recording prematurely only 74 shots on tape	

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LINE 5

PROJECT BONIN ARC STUDENT CRUISE

REEL NUMBER	TIME	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357135	08:16	564	555	8	2	31	25	0	750	short tape, only 36 shots,	
357135	08:35	608	594	8	2	31	25	0	1247		
357136	08:36	609	600	8	2	31	25	0	1247		
357136	09:01	668	659	8	2	31	25	0	2212	1921	
357136	09:26	728	719	8	2	31	25	0	2231	1925	
357137	09:26	739	720	8	2	31	25	0	2231	1923	
357137	09:51	788	779	8	2	31	25	0	1969	1917	
357137	10:15	848	839	8	2	31	25	0	1612	1915	
357138	10:15	849	840	8	2	31	25	0	1612	1915	
357138	10:41	908	899	8	2	31	25	0	1650	1850	
357138	11:06	968	959	8	2	31	25	0	1706	1900	
357139	11:06	969	960	8	2	31	25	0	1706	1920	
357139	11:31	1028	1019	8	2	31	25	0	1843	1925	
357139	11:56	1088	1079	8	2	31	25	0	1800	1900	
357140	11:56	1089	1080	8	2	31	25	0	1800	1900	

Times may be slightly off.

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LINE 5

PROJECT BONIN ARC

REEL NUMBER	TIME <u>Z</u>	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357140	12.21	1148	1139	8	2	31	25		1706	1850	
357140	12.45	1208	1199	8	2	31	25		1388	1860	
357141	12.45	1209	1200	8	2	31	25		1388	1900	
357141	1314	1268	1259	8	2	31	25	0	1359	1910	(60)
357141	13.35	1328	1319	8	2	31	25	0	1346	1910	1
357142	1335	1329	1320	8	2	31	25	0	1346	1910	
357142	1400	1389	1380	8	2	31	25	0	1346	1910	
357142	1425	1448	1439	8	2	31	25	0	1331	MAY HAVE MISSED SHOTS @ ~34017405 FOLLOWED BY HIGHER PRESSURE, 1970	
357143	1425	1449	1440	8	2	31	25	0	1331	1970	
357143	1450	1508	1499	8	2	31	25	0	1299	1970	
357143	1516	1568	1559	8	2	31	25	0	1265	1910 ~1560 shooting press ~1900 1570-1930	
357144	1516	1569	1560	8	2	31	25	0	1265	1910	
357144	1540	1629	1620	8	2	31	25	0	1397	1960	
357144	1606	1688	1679	8	2	31	25	0	1340	1960	
357145	1606	1689	1680	8	2	31	25	0	1340	1960	

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REEL NUMBER	TIME _z	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357147	0157	0001	0001	8	2	32	24	0	1397	DELAYED START DUE TO COS SCREWUP. 1940	
357147	0220	0060	0060	8	2	32	24	0	1125	1920 FLAKY GUN PRESSURE READING	
357147	0244	0120	0120	8	2	32	24	0	1218	STREAMER RUNNING DEEP DUE TO LOW SHIP SPEED THROUGH WATER 1930	
357148	0244	0121	0121	8	2	32	24	0	1218	1920	
357148	0310	0180	0180	8	2	32	24	0	1129	1900	
357148	0330	0240	0240	8	2	32	24	0	1172	1900	
357149	0340	0245	0243	8	2	32	24	0	1153	- Had to stop shooting - tape drive malfunctioned. 1860	
357149	0401	0305	0303	8	2	32	24	0	1073	1890	
357149	0425	0365	0363	8	2	32	24	0	1050	1910	
357150	0425	0366	0364	8	2	32	24	0	1050	1930	
357150	0450	0425	0423	8	2	32	24	0	984	1920	
357150	0514	0485	0483	8	2	32	24	0	885	1920 Seobuoy data - Auxiliary channel 1.	
357151	0514	0486	0484	8	2	32	24	0	885	1930	
357151	0537	0545	0543	8	2	32	24	0	932	1920	
357151	0601	0605	0603	8	2	32	24	0	1038	1890	

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REEL NUMBER	TIME	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357152	0601	0606	0604	8	2	32	24	0	1039	1910	
357152	0625	0665	0663	8	2	32	24	0	853	1907	
357152	0649	0725	0723	8	2	32	24	0	1136	1905	
357153	0649	0726	0724	8	2	32	24	0	1136	1900	
357153	0713	0785	0783	8	2	32	24	0	1209	1909	
357153	0737	0845	0843	8	2	32	24	0	1418	1910	
357154	0737	0846	0844	8	2	32	24	0	1418	1905	
357154	0801	0905	0903	8	2	32	24	0	1463	1908	
357154	0825	0964	0962	8	2	32	24	0	1500		
357155	0825	0965	0963	8	2	32	24	0	1500	1910	
357155	0849	1024	1022	8	2	32	24	0	1763	1902	
357155	0913	1084	1082	8	2	32	24	0	2123	1880	
357156	0913	1085	1083	8	2	32	24	0	2123	1881	
357156	0937	1144	1142	8	2	32	24	0	2138	1908	
357156	1001	1204	1202	8	2	32	24	0	2128	1905	

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PROJECT BONIN ARC/STUDENT CRUISE

REEL NUMBER	TIME	SHOT #	REC #	RLEN	SAMP RATE	FOLD	REP RATE	TIME DELY	WATER DEPTH	REMARKS	OP
357157	1001	1205	1203	8	2	32	24	0	2128	1880	
357157	1025	1264	1262	8	2	32	24	0	2059	1868	
357157	1049	1324	1322	8	2	32	24	0	2123	1890	
357158	1049	1325	1323	8	2	32	24	0	2123	1890	
357158	1113	1384	1382	8	2	32	24	0	1269	1900	
357158	1137	1444	1442	8	2	32	24	0	1185	1880	
357159	1137	1445	1443	8	2	32	24	0	1185	1900	
357159	1201	1504	1502	8	2	32	24	0	1181	1910	
357159	1225	1564	1562	8	2	32	24	0	1166	1890	
357160	1225	1565	1563	8	2	32	24	0	1166	1890	
357160	1249	1624	1622	8	2	32	24	0	1196	1900 1300 we switched arrays From port to starboard.	
357160	1313	1684	1682	8	2	32	24	0	1275	1920	
357161	1313	1685	1683	8	2	32	24	0	1275	1910	
357161	1337	1744	1742	8	2	32	24	0	1363	1940	
357161	1401	1804	1802	8	2	32	24	0	1429	1940	

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