

R/V ROBERT D. CONRAD

Cruise: 21-06

Line: 138 No line #

RECORDING LOG

MCS

EEL Not
out.

DFS IV

Format: ~~B~~ Seg B

BPI: 800

S/B 145 S-L F

Recording in channel 22 and Aux 3 only.

Date	Tape #	Shot Point #	Time	Trip Delay	Depth fms	Pop Rate	Samp. Rate	Rec. L.	* N.B. - the output of receiver was then sent to a -15db attenuator, and then to channel 22 and Aux 3.
0 th 1978	58101	001	21:04	0.0	48	20.0	4ms	12000	Note - gain setting changed several times during recording.
	58102	93	2135		48				was 6db for approx 1/2 hr of record - missing shot #187
	58103	186	2207	0.0	48	20.0	4	1600	just shot 328 and SB
	58104	258	2231	11	11	11	11	11	
over the cell at 2336	58105	001	2336	0	48	20	4	12000	For this tape, SB receiver gain set at 0 db, and amplifier output then further attenuated by -15 db. This signal then sent to channel 22 and aux 3.
MAR 5 1978	58156	093	0008	0.0	49	20.0	4ms	16000	Change record length → 16000ms
	58157	124	0018	0.0	49	20.0	4ms	16000	begin next SB sp 123 last shot
	58167	001	0024	0.0	49	20.0	4ms	16000	SB 147: begin
	58178	071	0048	"	50	"	"	"	
	58189	142	0113	"	51	"	"	"	
	581910	212	0136	"	51	"	"	"	
	582011	282	0200	"	51	"	"	"	

②

DFS IV

Format: *Seq B*

Sonobuoy 147 SLF
recording on Channel 22 and aux 3 only

BPI: 800

[illegible]

R/V ROBERT D. CONRAD

Cruise: 21-06

Line: 138

RECORDING LOG

MCS

North Malvinas Basin

DFS IV

Format: seg B

BPI: 800

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth Fm	Pop Rate s	Samp. Rate ms	Rec. L.	Comments
9 March	5810	002 20000	20431	5000	2160	20	4000	4.5	
	"	100	1005				4000	4000/5000	increase record length to 5000ms
	5811	226	1048	5000	2161	20	5000	5.0ms	
	5812	436	1159	"	2164	"	"	"	
		499				"	"		turn on low frequency cut/offs to 18db/oct
	5813	645	1310	5000	2171	"	4	5.0ms	
	5814	854	1421	5000	2174	"	"	"	
	5815	1062	1532	"	2150	"	"	"	
	5816	1271	1644		2125				
	"	1392	1725					4000ms	change record length to 4000ms
	5817	1497	1801		2080			*	Note: at 1844 I noticed that
	"	822*	1914	5000/4500					the shot counter must have jumped
	5818	861 = 1706	1928		1855				back to ≈ 700 something.
	"	887	1937	4500/4000					change TB delay to 4000
	"	949	1957	4000/3500					TB delay to 3500
	5819	1070-1221	2046	25000	1453	20	4	4000ms	change TB to 2500 at sp 1090
	5820	1343	2212	2500	1253	20	4	4000	+TX 1
	"	1498	2305	1500					at sp 1498 change delay TB to 1500, Monitor to
	"	1593	2338						last shot Stop Recording. also 1593

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RECORDING LOG
MCS

FALKLAND PLATEAU

DFS IV

Format: Seg B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay	Depth	Pop Rate	Samp. Rate	Rec. L.	Comments
MAR 19 1978	5821	0000P	1036	-0-	56	20%	4	4000	TPX#1
	5822	243	1159	-0-	58	20	4	4000	guns 2 & 3 gun de blast phones disconnected - gun delays not on header, but guns synchronous
	5823	487	1322	0	72	20	4	4000	
	5824	728	1444	"	172	"	"	"	
	5825	971	1607	0.5	215	"	"	"	
	5826	1213	1730	-0-	255	"	"	"	TPX#2 at 1800 A/E 100
	5827	1454	1842	0.0/0.5	294				SP 1454 Change TB delay to 0.5 sec
	5828	1696	2014	0.5000		20 sec	4	4000	
	5829	1940	2138	"	430	"	"	"	TPX 1
	11	2007	2200					6000	change recording depth to 6000 ms at sp 2007
	5830	2131	2243	1000		20 sec	4	6000	SP 2131 change TB to 1000 Monitor to 15
	5831	2304	2342	1000	573	20 sec	4	6000	
MAR 12, '78		2356	0000	"		"	"	8000	Change record length to 8000 ms
	5832	2448	0031	"	586	"	"	"	
	5833	2582	0117	"	608	"	"	"	
	5834	2712	0201	"	646	"	"	"	air guns off - compressor trouble sp 2712 is last shot tape 5833
	5834	2919	0312	1000	709	20	4	8000	resume recording; missed sp 2713

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DFS IV

Format: *Seg B*

BPI: 800

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Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms.	Depth fms.	Pop Rate sec	Samp. Rate ms	Rec. L. ms	Comments
MAR. 12, 1978	5835	3053	3:57	1000	695	20	4	8000	TPX-1
	5836	3185	0442	"	702	"	"	"	
	5837	3318	0528		712				
	5838	3450	0613		717				
	5839	3584	0659		734				
	"	3588	0700	1000/1500	"				
	5840	3716	0744	1500	763				
	5841	3850	0829	1500	800	20	4	8000	TPX #1
	5842	3983	0915	11		11	11	11	TPX #2
	5843	4117	1000	1500	876	11	11	11	SP 4191 S/B ON AUX#3
	"	4191							S/B ON AUX#3
	5844	4250	1046	1500		20	4	8000	
	5845	4384	1132	2000	865	20	4	8000	change delay TB to 2000 ms SP 4384
	"	4417	1143						COMPRESSOR #2 BACK ON
	5846	4516	1217	2000	881	20	4	8000	
	5847	4649	1302	"	927	"	"	"	
	"	4744	1334	"		"	"	12000	increase record length → 12000 ms
	5848	4769	1343	"	938	"	"	"	
	5849	4861	1414	"		"	"	8000	
		4979	1455		963				blast phone #4 disconnected

RECORDING LOG
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Cruise: 21-06
Line: 139

Falkland Plateau

DFS IV
Format: *Seg B*
BPI: *800*

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fms	Pop Rate sec	Samp. Rate ms	Rec. L. ms	Comments
MAR 12	5850	4994	1500	2000	976	20	4	8000	
1978	5851	5128	1545	"	1000	"	"	"	
	5852	5260	1630	"	1000				
	5853	5393	1716		1030				
	5854	5526	1801		1038				to cut filter settings to 18db/oct.
	"	5585	1822						SB# over. ON Aut 3
	5855	5660	1847		1045				
	5856	5794	1933		1050				
	5857	5925	2018	2000		20	4	8000	
	5858	6057	2103	"	1078	"	"	"	+PX 2 SB# OFF at 2130
	5859	6192	2149	2000	1095	20sec	4ms	8000ms	
	5860	6324	2234	2500	1112	20sec	4ms	8000	change delay +B to 2500 at sp 6329
	5861	6462	2321	"	1122	"	"	"	
3/13	5862	6596	0006	"	1107	"	"	"	
1978	5863	6729	0052	"	1097	"	"	"	
	5864	6864	0138	"	1097	"	"	"	
	5865	7000	0224	"	1100	"	"	"	
	5866	7135	0310	"	1110	"	"	"	
	5867	7272	0357	"	1120	"	"	"	
	5868	7407	0443		1131	"	"	"	

RECORDING LOG

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Falkland Plateau

DFS IV
Format: SEG-B
BPI: 800 BPI

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fms	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
13 March	5869	7544	0530	2500	1140	20	4	8000	TPX-1
1478	5870	7675	0615	"	1155				
	5871	7812	0701		1181				
	"	7942	0746						SB #152 over (reculn Aug 5)
	5872	7946	0747		1181				
	5873	8083	0834	2500	1184	20	4	8000	
	5874	8218	0920	"		"	"	"	
	5875	8354	1006	"	1250	"	"	"	
	5876	8488	1052	"	1285	"	"	"	SB#152 OFF at 1053
	5877	8625	1139	"	1305	"	"	"	TPX 1
	5878	8759	1224	3000	1334	"	"	"	Change trip delay to 3000 ms.
	5879	8895	1311	3000	1351	"	"	"	
		9021	1354						begin recording sonobuoy! bad buoy
	5880	9030	1357	3000	1358	20	4	8000	
		9042	1401	"		"	"	"	begin recording sonobuoy
	5881	9166	1443	"	1371	"	"	"	
	5882	9301	1529	"	1386	"	"	"	
	"	9378	1556						gun #2 off
	5883	9437	1616		1375				
	5884	9573?	1702		1352				TPX-2

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BPI: 800

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Line: 139

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth Fm	Pop Rate	Samp. Rate ms	Rec. L's	Comments
13 Mar 1978	5885	9708	1748	3000	1373	20	4	8000	Note: We have started to use separate tape rewinder
	5886	9843	1834		1400				
	5887	9950	1921		1414				
	"	10005	1930		1				#154 Sonobuoy launched #154
	5888	10115	2007	3000	1430	20	4	8000	^
	5889	10253	2054	"	1450	"	"	"	
	5890	10388	2140	"	1452	"	"	"	
	5891	10524	2227	"	1466	"	"	"	
	"	10577	2245						S/B 154 OFF
	5892	10659	2313	3000	1470	20	4	8000	
	5893	10794	2359	"	1489	"	"	"	
3/14 1978	5894	10930	0045	"	1490	"	"	"	
	5895	11067	0132	"	1480	"	"	"	
	5896	11202	0218	"	1481	"	"	"	
	5897	11338	0304	"	1471	"	"	"	
	5898	11473	0350	"	1466	"	"	"	
	5899	11609	0437		1475				
	5900	11744	0523		1480				
	5901	11878	0609		1472				
	5902	12013	0655		1473				

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth Fm	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
14 March 1978	5903	12147	0740	3000	1485	20	4	8000	S/B # 155 over at 0748
	5904	12283	0827	"	1484	"	"	"	S/B # 155 OFF
	"	12330	0843						S/B # 156 ON AUX 3
	5905	12420	0914	"		"	"	"	
	5906	12555	1000	"	1448	"	"	"	
	5907	12691	1046	"	1428	"	"	"	
	5908	12827	1133	"	1412	"	"	"	TPX #2
	5909	12964	1213	"	1416	"	"	"	
	5910	13100	1306	"	1419	"	"	"	
		13142	1320	"		"	"	"	gun #1 off
	5911	13236	1352	"	1423	"	"	"	
	5912	13371	1438	"	1424	"	"	"	
		13398	1447	"		"	"	"	gun #1 on again
	5913	13509	1525	"	1380	"	"	"	
	5914	13645	1612		1365				
	5915	13782	1658		1406				
	5916	13918	1745	"	1360	"	"	"	
	5917	14055	1831		1295				
	"	14092	1844	300/2500					TB delay changed to 2500 ms
	5918	14191	1918	2500	1200	"	"	"	

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DFS IV

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FM	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/14/78	5918	14244	1955	2500		20	4	8000	SB# 157 over
*	5918 5919	14327	2004	2500	1150	20	4	8000	SB# 157 * Tape ID wrong for 5919 (is 5918)
	5920	14462	2051	"	1128	"	"	"	SB# OVER ON AUX #3
	5921	14597	2137	"	1119	"	"	"	
	"	14646	2152						→ S/B ON AUX #3
	5922	14732	2223	2500	1115	20	4	8000	AT 5919/233 S/B OFF
	5923	14868	2309	"	1108	"	"	"	
	5924	15003	2355	"	1112	"	"	"	
3/15/78	5925	15139	0041	"	1110	"	"	"	
	"	15223	0110	2000		"	"	"	change tape delay to 2000 ms.
	5926	15273	0127	"	1105	"	"	"	
	5927	15407	0213	"	1085	"	"	"	
	5928	15539	0258	"	1076	"	"	"	
	5929	15671	0343	"	1063	"	"	"	
	5930	15803	0428		1050				
	5931	15935	0513		1041				
	5932	16067	0558		1037				0536 A/C 096°
	5933	16200	0643		1037				
	5934	16332	0728		1031				
	5935	16466	0814	2000		20	4	8000	

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DFS IV

Format: SEG-B

BPI: 800

R/V ROBERT D. CONRAD

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Falkland Plateau

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FMS	Pop Rate S	Samp. Rate ms	Rec. L ms	Comments
1978	5936	16598	0859	2000		20	4	8000	
15	11	16614	0905						3/13/159 ON AX 3
15	5937	16732	0945	2000	1038	20	4	8000	TPX 1
	5938	16864	1030	11	1038	11	11	11	
	5939	16998	1116	11	1030	11	11	11	
	5940	17130	1201	11	1004	11	11	11	
		17183	1219	"		"	"	"	SB #159 off
	5941	17263	1246	"	991	"	"	"	
	5942	17395	1331	"	977	"	"	"	
	5943	17527	1416	"	945	"	"	"	
	5944	17659	1501	"	926	"	"	"	
	5945	17793	1547	"	905	"	"	"	
	"	17823	1557	1500		"	"	"	change delay to 1500
	5946	17925	1632	"	896				
	5947	18058	1717		880				
	5948	18190	1802		843				
	5949	18323	1848		815				
	5950	18455	1933		759				
	"	18501		1500 1000					DTB = 1000 ms
	5951	18589	2019	1000	706				Lo cut filter settings to out.

RECORDING LOG

MCS

Falkland Plateau

DFS IV

Format: SE6-B

BPI: 800

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Cruise: C21-06

Line: 139

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FM	Pop Rate S	Samp. Rate ms	Rec. L. ms	Comments
MAR 15 1978	5952	18722	2104	1000		20	4	8000	
	"	18775	2122						S/B #160A ON AUX 3. S/B #160B sp 1883
	5953	18856	2150	1500	765	20	4	8000	change TB to 1500 at sp 18856
	"	18915	2210			18			change Pop Rate to 18 sec at sp 18915
	5954	18988	2232	"	780	18	4	8000	S/B OFF at sp 19065
	5955	19121	2313	"	797	"	"	"	TPX1
	5956	19253	2354	"	810	"	"	"	
3/16/1978	5957	19386	0035	"	851	"	"	"	
	5958	19518	0115	"	862	"	"	"	
	5959	19652	0157	"	886	"	"	"	
	5960	19784	0237	"	913	"	"	"	
	5961	19916	0318	"	992	"	"	"	
	"	19982	0339	2000		"	"	"	change tape delay to 2000 ms.
	5962	20048	0359	"	1020	"	"	"	
	5963	20181	0440		1107				0516
	"	20221	0452	2000 2500					increase Time break delay to 2500 ms
	5964	20315	0521	2500	1161	Low slope from 1306 to 1400	1400		#3 blast phone going bad time breaks. Will remove until I can find problem. Later - problem was #3 gun firing every 100 seconds - pulled from

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RECORDING LOG
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Falkland Plateau

DFS IV

Format: SEG-B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth Fm	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/16/78	5965	20451	0603	2500	1220	18.0	4	8000	#3 gun still out
	5966	20587	0645	"	1263	"	"	"	
	5967	20723	0726		1305	"	"	"	
	"	20802	0752	2500 3000		"	"	"	increase Time break delay to 3000 ms
	5968	20859	0809	3000	1355	18.0	4	8000	
	5969	20996	0851	"	1390	"	"	"	
	5970	21132	0933	"	1440	"	"	"	
	5971	21269	1015	"	1470	"	"	"	
	5972	21405	1057	"	1353	"	"	"	
	5973	21542	1139	3000	1290	18.0	4	8000	
	5974	21678	1221	"	1335	"	"	"	
	5975	21814	1302	"	1425	"	"	"	13:05 Sonobuoy #141 begin recording
	5976	21950	1344	"	1527	"	"	"	
	"	21998	1359	3500		"	"	"	change tape delay to 3500 ms.
	5977	22086	1426	"	1622	"	"	"	
		22193	1459	"	1800	"	"	"	Sonobuoy #161, off
	5978	22222	1508	"	1812	"	"	"	
	"	22273	1524	4000		"	"	"	change delay to 4000 ms.
	5979	22359	1550	"	1878	"	"	"	
	5980	22495	1632	"	1947	"	"	"	

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BPI: 800

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Falkland Plateau

[illegible]

RECORDING LOG

MCS

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DFS IV

Format: Seg B

BPI: 800

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 140

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fms	Pop Rate sec	Samp. Rate ms	Rec. L. ms	Comments
March 17	5993	001	0154	5000	2260	20.0	4	8000	
1978	5994	135	0240	"	2196	"	"	"	
	5995	271	0327	"	2169	"	"	"	
	"	368	0400	5000 4500					Fdd time break changed to 4500 ms
	5996	406	0413	4500	2132	"	"	"	0430 A/C. 228°
	5997	543	0500	"	2099	"	"	"	
	5998	678	0545		2060				
	5999	815	0632		2038				
	6000	950	0718		2029				
	6001	1088	0806	4500	2020	20.0	4	8000	
	6002	1223	0851	"	2015	"	"	"	
	6003	1360	0938	"	2010	"	"	"	
	6004	1495	1024	"	2003	"	"	"	S/B #163 ON AUX #3 SP 1457
	"	1620	1107						S/B # OFF
	"	1628	1110						S/B #164 ON AUX #
	6005	1632	1111	4500	1995	20	4	8000	
	6006	1768	1157	"	1993	"	"	"	TPX-2
		1797	1207	"		"	"	"	SB #164 plot
		1809	1211	"		"	"	"	Sounding #165 on AUX #3
	6007	1904	1244	"	1993	"	"	"	

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DFS IV

Format: SEGB

BPI: 800

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Line: 140

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fms	Pop Rate sec	Samp. Rate ms	Rec. L ms	Comments
March 7	6008	2039	1330	4500	2000	20.0	4	8000	
1978	6009	2175	1416	"	2000	"	"	"	
	6010	2309	1502	"	2005	"	"	"	
	6011	2444	1548	"	2004	"	"	"	
	6012	2579	1634		2012				Some radio noise on this tape
	6013	2715	1720		2018				
	6014	2851?	1807		2018				missed 1 SLT??
	6015	2987	1853		2021				
	6016	3122	1939		2024				
	6017	3258	2026	4500	2027	20.0	4	8000	
	6018	3393	2112	"	2027	"	"	"	
	6019	3530	2159	"	2027	"	"	"	
	"	3620	2229	—	—	—	—	—	slope dB/oct ave to out
	"	3626	2231	—	—	19.0	—	—	change gun: 19.0 ^{FIRING TO 19.05} 19.05
	6020	3665	2244	4500	2027	19.0	4	8000	
	6021	3802	2329	"	2028	"	"	"	
March 10	6022	3937	0012	"	2026	"	"	"	
1978			0030	"		"	"	"	change course to 305°
	6023	4073	0056	"	2011	"	"	"	
	6024	4204	0139	"	1992	"	"	"	

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RECORDING LOG

M C S

Falkland Plateau

DFS IV

Format: SEGB

BPI: 800

to many course changes to avoid ice during the night

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fms	Pop Rate sec	Samp. Rate ms	Rec. L. ms	Comments
March 18 1978	6024	4313	0214						on gun pressure low, gun 3 heavily firing, gun #3 input to black box disconnected; gun 3 off
	6025	4340	0223	4500	1994	19.0	4	8000	(TPX-1) tape 6025 ended - taping continuously - no stop at end of file - no output to UGR also when switching does not recognize reflector
	6026	4376	0235	"	1999	"	"	"	
		4415	0248						channels 18-24 are noisy
	6027	4509	0318	4500	2005	19.0	4	8000	TPX-1 worked OK this time
	6028	4643	0401	4500	1998				
	6029	4775	0445	4500	1979				SP4779 - switched low filter stage
	6030	4912	0529	4500	1978				from out to 18 dB/oct
	6031	5045	0614	4500	1975				0612 A/c
	6032	5183	0657	4500	1915				
	6033	5319	0741		1848				
	"	5332	0745	4500 4000					change TB delay to 4000 ms
	6034	5453	0824	9000		19.0	4	8000	
	11	5469	0829		LAST SHOT	END			LINE #140
					MAR 18 1978				

R/V ROBERT D. CONRAD

Cruise *Re 21-06*Line: *141*RECORDING LOG
M C S*FALKLAND PLATEAU*

DFS IV

Format: *Seq B*BPI: *800*

(18)

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FMS	Pop Rate SEC	Samp. Rate MS	Rec. L. MS	Comments
<i>Mar 8 1979</i>	6035	00001	0839	4000	.	19	4	8000	TPY-1
	6036	135	0923	3500	1708	11	11	11	TB change to 3500 ms.
	6037	271	1006	11	1500	11	11	11	
	6038	405	1050	11	1570	11	11	11	
	11	489	1116			17			
	6039	541	1132	11	1530	11	11	11	
		643	1202	3000		"	"	"	change trip delay to 3000 msec
	6040	675	1211	"	1410	"	"	"	
		787	1244						gun locking - gun #2 off
									gun #2 has fired 3-5 shots - gun
									did not fire and tape remained stationary
									gun #2 impact removed from black box
	6041	815	1252	3000	1357	17	4	8000	
	"	870	1307	"		"	"	"	gun #2 back in action
	"	944	1329	2500		"	"	"	change tape delay → 2500 msec
	6042	948	1331	"	1262	"	"	"	
		968	1336	"		"	"	"	4 guns in operation
	6043	1084	1410	"	1183	"	"	"	
	6044	1218	1449	"	1145	"	"	"	
		1267	1502						

RECORDING LOG

MCS

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 141

Falkland Plateau

DFS IV

Format: SEGB

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate 1/sec	Samp. Rate 1/sec	Rec. L. msec	Comments
March 18	6044	1257	1509	2000		17.0	4	8000	change tape delay to 2000 msec
1978	6045	1352	1528	"	1100	"	"	"	
	6046	1484	1607	"	1081	17.0	1	1	Fire rate increased to 17 some where but don't know at what point
	6047	1617	1645	"	1046	17.0	1	1	Shot 1660 = 1657 SB# 166 over
	6048	1749 1724	1749 1724	1	1005	1	1	1	
	6049	1852	1803	1	950	1	1	1	
	6050	2013	1841	1	915	1	1	1	1845 SB# 166 off
	6051	2147	1920	1	890	1	1	1	
	"	2207	1937	1500		1	1	1	
	6052	2279	1958		869	1	1	1	
	6053	2412	2037	1500	842	17.0	4	8000	
	6054	2544	2116	11	827	11	11	11	
	6055	2677	2154	11	810	11	11	11	
	6056	2809	2233	11	795	11	11	11	
	6057	2942	2311	11	782	11	11	11	
	6058	3074	2350	1500	770	17.0	4	8000	TPX-2
March 19	6059	3207	0028	"	757	"	"	"	
1978	6060	3339	0107	"	746	"	"	"	
	6061	3472	0146	"	706	"	"	"	
	6062	3604	0224	"	730	"	"	"	

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RECORDING LOG

MCS

DFS IV

Format: SEG B

BPI: 800

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 141

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate 1/4 sec	Rec. L. 1/4 sec	Comments
March	6063	3737	0303	1500	744	17.0	4	8000	
19, 1978	6064	3869	0341	"	760	"	"	"	
	6065	4003	0420	"	787	"	"	"	
	6066	4136	0459		771				
	"	4208	0520			18.0			change pop rate to 18 from 17
	6067	4269	0539		890	"			
	6068	4400	0619		920	"			0636 A/C 320°
	6069	4534	0700		948	"			
	"	4558	0708	1500 2000					Increase TIME Break delay to 2000 ms
	6070	4666	0741	2000	928				
	6071	4799	0824	2000	1110	18.0	4	8000	
	6072	4930	0902	"	1160	"	"	"	
	6073	5064	0944	2500	1350				TB to 2500 at 5064
	6074	5199	1025	3000	1410	18.0	4	8000	TB to 3000 at 5199
	6075	5336	1107	"	1463	"	"	"	
	6076	5471	1149	"	1500	"	"	"	
	6077	5607	1231	"	1557	"	"	"	
	"	5704	1301	3500		"	"	"	change tape delay to 3500 msec.
	6078	5741	1312	"	1589	"	"	"	sections 19-24 are noisy
	"	5818	1336	"		19.5	"	"	change pop rate to 19.5 sec.

RECORDING LOG

MCS

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R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 141

Falkland Plateau \Rightarrow Argentine Basin

DFS IV

Format: Seq B

BPI: 800

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
March 19 1978	6079	5877	1355	3500	1619	19.5	4	8000	
	6080	6011	1438	"	1635	20.0	"	"	change pop rate \rightarrow 20.0 sec.
	6081	6148	1525	"	1563	"	"	"	
	6082	6283	1611	"	1586	"	"	"	Heavy seas - noisy record - at SP#
	"	6354	1636	3500 4500	increase	TB delay to	4500 ms	8000	6283 changed low cutoff slope to 36db/100
	6083	6420	1658	4500	2400	20	4	8000	- was 18db/100 1630 - reduced speed to get deeper towing of net
	"	6433	1702	4500 5500					increase TB delay to 5500 ms
	6084	6554	1744	5500	2680	20.0	4	8000	
	"	6618	1804	5500 6000					increase TB delay to 6000 ms
	6085	6690	1830	6000	2987	20	4	8000	
	"	6743	1849	6000 7000					increase TB delay to 7000 ms
	6086	6827	1917	7000	3109	20	4	8000	
	6087	6966	2004	7000	3138	20	4	8000	
	6088	7101	2051	6000	2920	"	"	"	+ TB delay to 6000 ms. at SP. 7101
	6089	7238	2137	"	2960	"	"	"	
	6090	7376	2224	"	3011	"	"	"	
	6091	7512	2311	"	3050	"	"	"	
	6092	7650	2358	"	3143	"	"	"	
March 20 1978	6093	7788	0045	6000	3185	"	"	"	
	6094	7925	0132	"	3116	"	"	"	

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DFS IV

Format: SEG B

BPI: 800

Argentine Basin

[illegible]

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 142

RECORDING LOG

MCS

FALKLAND PLATEAU

DFS IV

Format: Seg B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/20/78	6097	000001	1000	6000	3110	20	4	8000	TPX 1
	6098	136	1048	11	3013	11	11	11	
	6099	273	1135	11	3125	11	11	11	
	6100	410	1222	"	3176	"	"	"	missed shots 408,409
	6101	546	1308	"	3172	"	"	"	
	6102	681	1354	"	3165	"	"	"	
	6103	818	1441	"	3041	"	"	"	
		829	1444	7000		"	"	"	change Tape delay to 7000 msec
	6104	953	1527	"	3147	"	"	"	
	6105	1090	1614	"	3166				
	6106	1225	1700		3025				
	6107	1362	1747						
	"	1412	1804	7000	2854				decrease Time break delay to 6000 ms
	6108	1497	1833	6000	2740				
	6109	1634	1919	6000	2980				
	"	1673	1933	6000/5000					decrease TB delay to 5000 ms
	6110	1770	2006	7000	1970				
	6111	1907	2053	4000	1785	20	4	8000	
	"	1946	2106						Slope dB/octave to 18
	6112	2042	2139	4000	1723	20	4	8000	

R/V ROBERT D. CONRAD
Cruise: RC21-06
Line: 142

RECORDING LOG
MCS

FALKLAND PLATEAU

DFS IV
Format: Seg B
BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/20/78	6113	2179	2226	3500	1625	20	4	8000	
	6114	2315	2312	"	1630	"	"	"	
	6115	2452	2359	"	1604	"	"	"	
3/21/78	6116	2587	0045	"	1560	"	"	"	
	6117	2723	0131	"	1532	"	"	"	
	6118	2857	0217	3000	1464	"	"	"	change tape delay to 3000 msec.
	6119	2993	0303	"		"	"	"	
		3003	0307						gun #2 problem, disconnect inlet
			0334						signal to black box
			0334						gun #2 inboard
	6120	3128	0349	3000	1317	20	4	8000	Heavy seas
	6121	3264	0435	"	1268	"	"	"	
	"	3305	0450	2000					decrease DTB to 2000 ms
	6122	3397	0521	2000	1225				
	"	3447	0538	2000					Increase DTB to 2500 ms
	6123	3531	0607	2500	1210				
	6124	3665	0652	2500	1178				gradually slowing down due
	6125	3800	0738	"	1193				rough seas
	"	3844	0753	"		20/22			pop rate set to 22 sec (4.4 knots average speed)

R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 142

RECORDING LOG

MCS

Falkland Plateau

DFS IV

Format: SEG-B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth FMS	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/21/1978	6126	3935	0828	2500	1250	25	4	8000	change pop rate to 25 sp 3935
	6127	4071	0925	"	1390	25	4	8000	
	6128	4205	1022	"	1280	"	"	"	
	6129	4341	1120	"	1290	"	"	"	
	6130	4476	1217	"	1277	"	"	"	
	6131	4612	1315	"	1267	"	"	"	
	"	4616	1316	2500		22.0	4	8000	change pop rate to 22.0 sec.
	"	4707??	1351						power failure (brief)
	6132	0001	1355	2500	1286	22.0	4	8000	reset, rezero shot counter, resume recording
	6133	137	1446	"	1344	"	"	"	
	"	182	1503	"		"	"	"	gun #2 input disconnected to black box.
	6134	272	1537	"		"	"	"	
	"	284	1541	3000		"	"	"	change tape delay to 3000 msec.
	"	306	1549	"		"	"	"	gun #2, 4 not firing, out inputs removed from black box
	"	334	1600	change	pop rate to 23.0				
	6135	409	1629	3000	1374	23	4	8000	
	6136	544	1722	3000	1415	23	4	8000	

RECORDING LOG

MCS

DFS IV

Format: SE6-B

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 142

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay MSEC	Depth FMS	Pop Rate SEC	Samp. Rate MSEC	Rec. L. MSEC	Comments
2/21/78	6136	544	1722	3000	1415	23	4	8000	
	6137	680	1815	3000	1440	23	4	8000	
	"	789	1858			23 20			change pop rate to 20 sec
	6138	815	1907	3000	1472	20			
	"	885	1931						SB# 167 on Aux 3
	6139	951	1953	3000	1502	20			
	6140	1086	2039	"		20	4	8000	
Mar 21 1978	6141	1222	2126	"	1475	"	"	"	SB# 167 OFF 2207 SP 1345
	6142	1357	2212	"	1465	"	"	"	
	* 6143	1493	2258	"	1442	"	"	"	* MISSED SHOTS FROM 1500 TO 1516, PROBLEM
	6144	1644	2350	"	1442	"	"	"	TRIP
3/22	6145	1779	0036	"	1438	"	"	"	
1978	6146	1913	0121	"	1442	"	"	"	
	6147	2049	0208	"	1407	"	"	"	
	6148	2184	0254	"	1408	"	"	"	
	6149	2320	0340	"	1383	"	"	"	
	6150	2455	0426		1385				
	6151	2592	0513		1442				
	6152	2727	0559		1441				
	6153	2863	0645		1457				SP# 2923, SB# 168 over

R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 142

RECORDING LOG

M C S

Falkland Plateau

DFS IV

Format: SEG-B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fcm	Pop Rate s	Samp. Rate s	Rec. L. s	Comments
3/22/78	6154	2998	0731	3000	1483	20	4	8000	
	6155	3135	0819	11	1660	11	11	8000	4SP 3224 S/B OFF
	11	3239	0854						S/B 169 ON AUX 3
	6156	3270	0904	4000	1830	"	"	11	CHANGE TB TO 4000 4SP 3270
	6157	3407	0951	11	2070	"	11	11	4SP 3416 4000 4000 4000 4000
	6158	3542	1037		2062				S/B 170 ON AUX SP 3543
	11	3579	1050	—	—	—	—	12000	Record length TO 12000
	6159	3647	1113		2060				
	6160	3740	1145	4000	2040	20	4	12000	4000
	11	3760	1151	—	—	—	—	—	GUNS #2,4. BACK ON
	"	3807	1207	4500		20	4	12000	Change pop rate tape delay to 4500 msec.
	6161	3833	1216	"	2018	"	"	"	
	6162	3926	1248	"	2018	"	"	"	
	6163	4019	1320	"	1990	"	"	"	
		4073	1338						sonobuoy 170 off.
	6164	4112	1352	4500	2022	18.0	4	12000	pop. rate → 18.0 sec. (5.3 knots over ground)
	6165	4205	1420	"	1943	"	"	"	
	6166	4299	1449	"	1943	"	"	"	
	"	4319	1455	4000	1808	"	"	"	Change tape delay to 4000 msec
	"	4376	1513	3500	"	"	"	"	Change tape delay to 3500 msec.

RECORDING LOG

M C S

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R/V ROBERT D. CONRAD

DFS IV

Cruise: RC2106

Format: SEGB

Line: 142

Falkland Plateau

BPI: 800

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate #sec	Samp. Rate msec	Rec. L. msec	Comments
3/22	6167	4390	15:17	3500	1602	18.0	4	12000	
1978	"	4476	15:44	"		"	"	"	sonobuoy SB.171 (aux.) on channel no. 3
	6168	4482	15:45	"	1584	"	"	"	
	6169	4575	16:14		1562			"	
	6170	4667	16:42		1528			"	
	6171	4760	17:11		1555			"	
	6172	4852	17:39		1555			"	
	6173	4946	18:08		1540				
	"	4983	18:20			18.0			change pop rate to 20
	6174	5039	18:39		1609	20			18:51 SB#171 finished
	6175	5133	19:11		1615				
	6176	5226	19:43		1636				
	6177	5320	20:15	3500	1606	20	4	12000	
	11	5332	20:19		1550			8000	change record length → 8000
	6178	5450	20:59	3500	1550	20	4	8000	
	6179	5586	21:46	11	1638	11	11	11	
	6180	5721	22:32	11	1660	11	11	11	
	6181	5857	23:18	11	1760	11	11	11	
	11	5952	23:50	4500		"	"	"	
3/23	6182	5992	00:04	"	2240	"	"	"	

1978

Falkland Plateau

Line: 142

BPI: 800

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[illegible]

R/V ROBERT D. CONRAD
Cruise: RC21-06
Line: 143

RECORDING LOG
MCS

Falkland Plateau

DFS IV
Format: SEGB
BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/23 1978	6189	001	13:54	5000	2134	20.0	4	8000	
	"	028	14:03	4500		"	"	"	change tape delay to 4500 ✓
	6190	135	14:40	"	2134	"	"	"	
	"	171	14:52	5000					change tape delay to 5000 msec.
	6191	271	15:26	"	2263	"	"	"	
	"	349	15:53	4500		"	"	"	change tape delay to 4500 msec
	6191	346	16:09	4500 4000		"			" " " 4000 ~ 2
*	6192	405	16:12	4000	1710			8000 4000	Change Rec: L to 4000 ~ 2.
	"	589	17:15	4000 3500				4000	Forget to advance tape ID on 6192.
	"	616	17:24	3500 3000					SP# 589: change time break delay to 3500
*	6193	650	17:36	2000	1170	20	4	4000	SP# 616: change time break delay to 3000
	"	713	17:58	2000 1000					Forget to advance tape ID to correct #
	"	779	18:20	"		20 19			change SP# 713: change TB delay to 1000 ~ 2
	"	877	18:51	1000 1500					change pop rate from 20 to 19
	6194	891	18:56	1500	760	19			change delay time break to 1500 ~ 2
	"	992	19:29	1500 1000					change time break delay to 1000 ~ 2
	6195	1134	20:15	-0-	475	19	4	4000	change TB to 0000, monitor - 0 - 11
	"	1306	21:11	1000					
	6196	1376	21:33	2000	1125				
	11	1523	22:21	1000					change TB delay to 1000 ~ 2.

R/V ROBERT D. CONRAD
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RECORDING LOG MCS

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DFS IV
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BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay MSEC	Depth	Pop Rate Sec	Samp. Rate MSEC	Rec. L. MSEC	Comments
3/23/78	6197	1619	2352	1500	1120	20.0	4	4000	change TB delay to 1500 ms.
	"	1810	2354	2500		"	"	"	" " " " 2500 ms.
3/24/78	6198	1861	0011	"	1374	"	"	"	
	"	1881	0017	"		"	"	8000	change record length to 8000 msec.
	"	1946	0038	3000		"	"	"	change tape delay to 3000 msec.
	6199	2006	0058	"	1375	"	"	"	
	"	2080	0122	2500		"	"	"	change tape delay to 2500 msec
	6200	2140	0141	"		"	"	"	
	"	2169	0150	3000	1504	"	"	"	change tape delay to 3000 msec.
	6201	2275	0225	3500	1625	"	"	"	" " " " 3500 msec.
	"	2310	0236	"		16.5	"	"	change Pop rate to 16.5 (6.kts over ground)
	"	2322	0239	"		17.5	"	"	" " " " 17.5 - pressure
	6202	2408	0305	4000	1759	"	"	"	too low at 16.5 sec.
	"			"		"	"	"	change tape delay to 4000 msec.
	"	2464	0321	"		"	"	"	cut in low filters 18 db/octave, 8 hz
	6203	2545	0345	"	1812	"	"	"	
	6204	2680	0424		1970				
	"	2795	0458						SB# 172 over side
	6205	2816	0504		1930				
	"	2847	0527			17.5 18.5			pop rate to 18.5 sec

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Format: SEG-B

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FM	Pop Rate ^{3 (20)} ms	Samp. Rate ms	Rec. L ms	Comments
3/24/78	6206	2951	0544	4000	1868	18.5	4	8000	
	6207	3087	0626		1813				
	6208	3224	0708		1715				
	6209	3360	0750		1635				
	"	3374	0754	⁴⁰⁰⁰ 3500					decrease TD delay to 3500
	"	3444	?						AIR GUNS OFF - COMPRESSOR TROUBLE
	"	3469	0823			18.0			Resume recording
	6210	3522	0840	2500	1540	18.0	4	8000	
	6211	3659	0922	3000	1455				
	6212	3795	1004	"	1380	"	"	"	
	6213	3932	1046	"	1340	"	"	"	GUN #2 OFF at 1100
	6214	4067	1127	"	1322	"	"	"	
	"	4130	1147	"		"	"	"	S/B 173 ON AUX 3
	6215	4202	1209	"	1308	"	"	"	
	6216	4339	1251	"	1300	"	"	"	
	6217	4470	1331	"	1297	"	"	"	
	"	4554	1357	"		"	"	"	gun 1 & 4 off, inputs to black box disconnected
	6218	4604	1413	2500	1294	"	"	"	change trip delay to 2500 msec.
	6219	4740	1455	"	1286	"	"	"	
	6220	4875	1536	"	1290	"	"	"	

R/V ROBERT D. CONRAD

Cruise: RC21-06

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RECORDING LOG
MCS

Falkland Plateau

note: the point 5
after the pop rate
represents the
average value of
time added by
the randomizer

DFS IV

Format: SEGB

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms.	Pop Rate msec	Samp. Rate msec	Rec. L msec	Comments
3/24/78	6220	5002	1615	2500		18.5 21.5	4	8000	change pop rate to 21.5 average.
	6221	5061	1618	"	1273	21.5			
	6222	5146	1707	"	1270				Heavy seas
	11	5269	1751						S/B # 174A ON AUX 3 (late - No good)
	6223	5282	1756		1260				
	"	5313	1807						SB # 174
	6224	5417	1844		1261				
	6225	5553	1932		1274				
	"	5625	1958			21.5 19.5			change pop rate to 19.5 sec.
	6226	5688	2019						
	6227	5825	2103		1335				
	6228	5960	2147		1342				
	6229	6096	2231		1368				
	6230	6231	2315		1355				
	6231	6367	2359		1346				
	6501	6							
3/25	6232	6501	0043	2500	1326	19.5	4	8000	
1978	6233	6637	0127	"	1299	"	"	"	
	6234	6771	0210	"	1307	"	"	"	
	6235	6907	0254	"	1288	"	"	"	

RECORDING LOG

M C S

DFS IV

Format: SEGB

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 143

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec.	Depth	Pop Rate sec.	Samp. Rate msec.	Rec. I. msec.	Comments
3/25/78	6236	7042	0338	2500	1273	19.5	4	8000	
	"	7169	0400			19.5 18.5			change pop rate to 18.5
	6237	7178	0422		1265	18.5			
	6238	7312	0503		1250				
	6239	7448	0545		1219				~ S.P. #7490: Time Break on beach.
	6240	7583	0627		1194				has been consistent, sending 2ms plus 1ms more than set gun? At 5 working
	"	7715	0707			18.5 21.5	unrec. rate 40	18.5	a current change, this time adjust to 1ms plus 1 sec. Don't know why it's 11ms off set.
	6241	7719	0709		1152	21.5	4	8000	
	6242	7854	0757		1140				
	6240	7885	0808						S/B #17.5 ON BOX 3
	6243	7991	0846		1148				
	11	8108	0928						Guns #1, 4 back ON
	6244	8126	0935						
	6245	8262	1023		1120				
	6246	8392	1110		1220				tox-2
	6247	8529	1159	2500	1246	21.5	4	8000	
	6248	8664	1247	"	1280	"	"	"	
	6249	8801	1336	"	1322	"	"	"	
	6250	8934	1424	"	1339	"	"	"	
		9003	1448	"		"	"	"	sonobucy #176 ^{sent} on channel no. 3

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RECORDING LOG

MCS

DFS IV
Format: SEGB
BPI: 800

R/V ROBERT D. CONRAD
Cruise: RC2106
Line: 143

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec.	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/25/78	6251	9070	15:12	2500	1357	21.5	4	8000	
	6252	9204	16:00	3000	1359	"	"	"	change tape delay to 3000 msec.
	6253	9340	1649	3000	1359	"	"	"	
	6254	9476	1738	"	1350	"	"	"	
	"	9566	1810	"	"	"	"	8000 12000	change Rec L. to 12,000
	6255	9598	1821	"	1340	"	"	12000	
	"	9643	1838	"	"	"	"	12000 8000	change Rec L. to 8000 again
	6256	9712	1902	"	1340	"	"	8000	
	*6257	9849	1951	"	1365	"	"	8000	*Gun #2 firing every few seconds -
	6258	9985	2040	3000	"	21.5	4	8000	will remove blast phone #2 until fixed
	6259	10122	2129	"	1407	"	"	"	also shoot gun 2 off
	6260	10258	2218	4000	2200	"	"	"	change +B delay to 4000
	"	10301	2233	5000	"	"	"	"	change 6000 +B delay to 5000
	"	10325	2242	6000	"	"	"	"	" " " 6000
	6261	10396	2307	7000	3167	"	"	"	
	6262	10532	2356	"	3167	"	"	"	
3/26/78	6263	10668	0044	7500	3195	21.5	4	8000	change tape delay to 7500 msec.
	6264	10803	0133	"	3222	"	"	"	
	6265	10940	0222	"	3206	"	"	"	
	6266	11075	0310	"	3207	"	"	"	

M C S

Falkland Plateau

BPI: 800

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Line: 143

[illegible]

R/V ROBERT D. CONRAD

Cruise: 2106

Line: 144

RECORDING LOG

MCS

Falkland plateau

DFS IV

Format: Seq B

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay	Depth	Pop Rate	Samp. Rate	Rec. L.	Comments
26 12/18	6273	00001	0949	6000	3233	19.5	4	12000	+PX-1
	6274	94	1020	1	3232	1	1	1	
	6275	188	1050	1	3230	1	1	1	
	6276	280	1120	1	3208	1	1	1	
	6277	374	1150	1	3202	1	1	1	
	6278	467	1221	6000	3203	19.5	4	12000	
	6279	561	1251	"	3214	"	"	"	
	6280	653	1321	"	3230	"	"	"	
	6281	746	1351	"	3267	"	"	"	
	6282	838	1421	"	3267	"	"	"	
	6283	932	1452	"	3018	"	"	"	
	6284	1025	1522	"	3160	"	"	"	
	6285	1118	1552	"	3194	"	"	"	
	6286	1211	1622	"	3154	1	1	1	
	"	1278	1643	6000 7000					change DTB to 7000
	"	1287		7000 6000					" " back to 6000
	6287	1304	1652	6000	3177	1	1	1	= SP 1370, put cap back
	6288	1397	1722	"	3195	1	1	1	
	6289	1491	1753	"	3080	"	"	"	
	"	1547				19.5 18.5			change fire rate to 18.5 Hz

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R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 144

RECORDING LOG

MCS

Falkland Plateau

DFS IV

Format: SEG-B

BPI: 800

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fm	Pop Rate s	Samp. Rate ms	Rec. L ms	Comments
3/26/78	6289	1551	1812	6000		18.5	4	12000 8000	change rec length to 8 sec
	6290	1548	1827		3028				
	6291	1648	1842					8000 12000	
	"	1682	1852			18.5 19.5		12000	change pop rate to 19.5 average
	6291	1708	1901		2982	19.5		12000	
	"	1772	1922	6000 5500					change time break delay to 5500
		1785							power turned off accidentally - had to switch to TP2 & change
	6292	1787	1927	5500 5500 5000	2230	Forgot to advance tape IP on tape 6292			missed several shots note: DTB was changed from 5500 to 5000 change DTB to 4000 not recorded
	"	1819	1937	4000					
	6293	1881	1957	4000	1725	19.5			
	6293	1909	2007	3000					
	6294	1974	2024	"	1445		4	12000	
	6295	2068	2058	"		"	"	"	
	6296	2160	2128	"	1400	"	"	"	at SP 2090 S/B #177 ON AUX.3
	6297	2254	2158	"	1391	"	"	"	
	6298	2347	2229	"	1394	"	"	"	
		2413	2250						S/B #178 ON AUX.3
	6299	2441	2259	"	1405	"	"	"	
	6300	2534	2329	3000	1388	19.5	4	12000	
3/27/78	6301	2628	0000	"	1375	"	"	"	

RECORDING LOG

MCS

DFS IV

Format: SEGB

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 144

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L msec	Comments
3/27/78	6302	2720	0030	3000	1341	19.5	4	12000	
	6303	2814	0100	"	1308	"	"	"	
	6304	2907	0130	2500	1282	"	"	"	Change tape delay to 2500 msec.
	6305	3001	0201	"	1252	"	"	"	
	"	3013	0205	"		"	"	"	Synobuoy #178 off
	6306	3094	0231	"	1216	"	"	"	
	6307	3188	0301	"	1197	"	"	"	
	6308	3280	0331	"	1172	"	"	"	
	6309	3373	0401		1174				0424: A/C 208°
	6310	3465	0431		1157				SB#179 over at 0435
	6311	3559	0502		1144				
	6312	3657	0532		1135				
	6313	3744	0602		1124				0615 SB#179 off
	"	3801	0621						SB#180 over at 0621
	6314	3836	0632		1108				
	6315	3929	0702		1093				
	6316	4021	0732		1085				
	"	4071	0748	2500 2000					Change time break delay to 2000 ms
	6317	4114	0802	2000		19.5	4	12000	
	6318	4205	0832	"	1054	"	"	"	

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RECORDING LOG

MCS

DFS IV

Format: SEG B

BPI: 800

R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 144

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay MSC	Depth FMS	Pop Rate SEC	Samp. Rate MSC	Rec. L. MSC	Comments
APR 27 1978	6319	4298	0902	2000	1065	19.5	4	12000	+PX-1
	6320	4389	0931	"	1049	"	"	"	
	6321	4482	1002	"	1048	"	"	"	
	6322	4574	1031	"	1031	"	"	"	
	6323	4667	1101	"	1030	"	"	"	
	6324	4761	1132	"	1046	"	"	"	
	6325	4853	1202	"	1060	"	"	"	
	6326	4944	1231	"	1082	"	"	"	
	"	4978	1243	"		"	"	"	Sandbag #181 on aux.3
	6327	5035	1301	"	1025	"	"	"	
	6328	5126	1330	"	1026	"	"	"	
	6329	5218	1400	"	1019	"	"	"	
	6330	5308	1429	"	1021	"	"	"	
	6331	5400	1459	"	1023	"	"	"	
	6332	5491	1529	"	1022	"	"	"	
	"	5580	1558	"		"	"	"	Sandbag #181 off
	6333	5583	1559	"	1010	"	"	"	
	"	5601	1605	"		"	"	"	SB #182 on aux 3
	6334	5674	1628	"	1015	"	"	"	
	"	5707	1639	"		19.5 18.5	"	"	pop rate to 18.5 see average

RECORDING LOG

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DFS IV

Format: SEG-B

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 144

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth Fm	Pop Rate sec	Samp. Rate ms	Rec. L. ms	Comments
3/27/78	6335	5766	1657	2000	1030	18.5	4	12000	
	6336	5857	1725	"	1027	"	"	"	
	6337	5949	1753	"	996	"	"	"	
	6338	6040	1821	"	1020	"	"	"	
	6339	6132	1850	"	1008	"	"	"	1855 SB# finished
	6340	6223	1918	"	998	"	"	"	
	6341	6315	1946	"	990	"	"	"	
	6342	6406	2014	2000		18.5	4	12000	
	6343	6498	2043	"		"	"	"	
*	6344	6589	2111		972	"	"	"	*TAPE ID WRONG
	6345	6682	2139	"		"		"	
	6346	6779	2208	"	980	"	"	"	
	6347	6867	2236	"	958	"	"	"	
	6348	6959	2305	"	954	"	"	"	
	6349	7051	2333	"	966	"	"	"	
	11	7110	2351						→ Slope db/octave, out
3/28/78	6350	7142	0001	2000	973	18.5	4	12000	
	6351	7234	0029	"	954	"	"	"	
	6352	7325	0057	"	957	"	"	"	
	6353	7418	0126	"	965	"	"	"	missed shot 7417

RECORDING LOG

MCS

Falkland Plateau

DFS IV

Format: SEGB

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 144

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/28/78	6354	7509	0154	2000	962	18.5	4	12000	
	6355	7601	0222	"	953	17.5	"	"	change pop rate to 17.5 sec
	6356	7692	0248	"	953	"	"	"	
	6357	7784	0315	"	957	"	"	"	
	6358	7875	0342	"	958	"	"	"	
	6359	7967	0409	"	958				
	6360	8058	0435		958				0446 SB#186 on aux 3
	"	8118	0453			17.5 19.5			change pop rate to 19.5 sec average
	6361	8150	0503		965	19.5			
	6362	8241	0533		961				
	6363	8333	0602		960				
	6364	8424	0632		964				
	6365	8516	0702		964				
	6366	8607	0731		973				0741 SB*186 finished
	6367	8700	0802		961				0746 SP#651 SB 187 over
	6368	8791	0831		961				
	6369	8884	0901		962				
	6370	8975	0931						
	6371	9067	1001		961				
	6372	9158	1030						

R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 144

RECORDING LOG

MCS

Falkland Plateau

DFS IV

Format: SEG B

BPI: 800 BPI

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Date	Tape #	Shot Point #	Time	Trip Delay	Depth FMS	Pop Rate SEC	Samp. Rate MSC	Rec. L. MSC	Comments
03/28/78	6373	9250	1100	2000	985	19.5	4	12000	TPX.
	11	9265	1105						S/B #184 OFF AIR GUNS #3, 2 OFF
	11	9296	1115						S/B #185 ON AUX 3
	11	9307	1119						GUNS #3, 2 BACK ON
	6374	9342	1130	2000	990	19.5	4	12000	
	6375	9427	1158	"	1002	"	"	"	
	6376	9518	1227	"	1002	"	"	"	
	6377	9610	1257	"	1019	"	"	"	
	"	9641	1307	"		"	"	"	gun #3 off - bring in for repair
	6378	9702	1327	"	1037	"	"	"	
	"	9758	1345	"		"	"	"	gun #3 on
	6379	9794	1357	"	1039	"	"	"	
	6380	9886	1426	"	1049	"	"	"	
	"	9895	1430	"		"	"	"	Sandwich #185 off
	"	9914	1435	"		"	"	"	Sandwich #186 on aux #3
	6381	9978	1456	"	1066	"	"	"	
	6382	10070	1526	"	1057	"	"	"	
	6383	10162	1556	"	1078	"	"	"	
	6384	10253	1626		1086				
	"	=	1650						gun 2 intermittently firing - solar in appears to be open sometimes

R/V ROBERT D. CONRAD

Cruise: C21-06

Line: 144

RECORDING LOG

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Falkland Plateau

DFS IV

Format: SEAB

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth FM	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/28/78	6385	10345	1655	2000	1110	19.5	4	12000	Gan 2 off for repair
	6386	10436	1725	"	1128	"	"	"	Lo cut filter setting to 18 db/oct
	6387	10529	1755		1147				1800 SB finished this was a dud.
	"	10553	1803						1803 SB #186A over on Aux 3d.
	"	10577	1808						1808 SB #188 " "
	6388	10619	1824		1167				1825 Gan 2 on again
	"	10700	1851			19.5 20.5			pop rate to 20.5 sec
	6389	10712	1855		1174	20.5			
	6390	10803	1926		1205	"			
	6391	10895	1957		1210				
	6392	10986	2028	2000	1211				
	"	11041	2047						S/B #188 OFF
	"	11070	2057						S/B #188 ON AUX 3
	6393	11079	2100						
	6394	11170	2131	2000	1260	20.5	4	12000	
	6395	11262	2203		1283				
	6396	11353	2234		1273				
	6397	11445	2305		1290				
	6398	11536	2336		1315				
3/29/78	6399	11628	0007	"	1320	"	"	"	

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 144

RECORDING LOG

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Falkland Plateau

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Format: SEGB

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate	Samp. Rate msec	Rec. L. msec	Comments
3/29/78	6399	11632	0009	3000		20.5	4	12000	trip delay to 3000 msec
	"	11677	0024	"		"	"	"	Sonobuoy #188 off
	"	11691	0028	"		"	"	"	Sonobuoy #188 on aux. channel 3
	6400	11720	0039	"	1411	"	"	"	
	6401	11814	0111	"	1432	"	"	"	
	6402	11906	0142	"	1470	"	"	"	
		11931	0151	"	1470	"	"	"	Gun #2 off; was firing every 2 seconds
	6403	12000	0214	"	1525	"	"	"	
	6404	12092	0246	3500	1586	"	"	"	change tape delay to 3500
	"	12107	0251	"		"	"	"	gun #2 on again
	6405	12185	0317	"	1658	"	"	"	
	"	12198	0322	"		"	"	"	Sonobuoy #189 off
	6 " "	12271	0347	"		"	"	"	sonobuoy #190 on aux #3
	6406	12277	0349	"		"	"	"	
	6406	12283	0351	"	1705	"	"	"	restart tape 6406, missed shots
	6407	12376	0422		1707				12277-12282, TPX-2
	"	12439	0444			20.5 19.5			pop rate to 19.5
	6408	12470	0454		1704	19.5			
	6409	12563	0524		1530				0532 DTB decreased to 3000 ms
	"	1257	0532	3500 2000					0535 SB 190 Fined; off

0536 A/C 2110

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RECORDING LOG

MCS

DFS IV

Format: SEG B

BPI: 800

R/V ROBERT D. CONRAD

Cruise: C21-06

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Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fm	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/29/78	6410 6411	12656 12749	0554	3000	1385	19.5	4	12000	
	"	12831	0624	3000 2500	1313				
	6412	12843	0655	2500	1200				Time Break delay decreased to 2500 ms
	6413	12938	0726	2500	1260				
	"	12964	0736			19.5 18.5			pop rate to 18.5 sec as
	6414	13031	0755	2500	1190	18.5			
*	6414	13081	0810	2000					* change +B to 2000 ms
	"	13091	0813						GUNS # 382 OFF
	6415	13126	0829	2000	1052	18.5	4	12000	
	"	13154	0833						GUNS # 382 Break ON
	6416	13217	0852	"	1050				
	6417	13310	0921	"	935	"	"	"	
	6418	13401	0941	"	917	"	"	"	
	6419	13494	1018	1000	920	"	"	"	change +B to 1000 ms
	6420	13586	1046	"	887	"	"	"	
	6421	13679	1115	"	817	"	"	"	
	6422	13770	1143	"	782	"	"	"	
	"	13846	1206	"		19.5	"	"	change average firing rate to 19.5 sec
	6423	13862	1211	"	725		"	"	

RECORDING LOG

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DFS IV

Format: SEGB

BPI: 800

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R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 144

Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec.	Rec. L. msec.	Comments
3/29/78	6424	13953	1241	1000	514	19.5	4	12000	
	"	13965	1245	500		"	"	"	
				500		"	"	"	
	6425	14046	1311	"	438	"	"	"	
	6426	14137	1340		421	"	"	"	
	6427	14229	1410		283	"	"	"	
	"	14257	1419	000		"	"	"	change tape delay to 00:00
	6428	14321	1440	"	074	"	"	"	
	"	14366	1455	"		"	"	"	Sonobuoy #191 on aux 3
	6429	14413	1510	"	075	"	"	"	
	6430	14504	1539	"	072	"	"	"	
	6431	14596	1609	"	70				
	6432	14687	1639		65				
	"	14758	1702						# SB 191 Finished.
	6433	14779	1709		67				
	6434	14870	1733		66				
	6435	14962	1808		73				
	6436	15053	1838		78				
	6437	15145	1908		82				
	6438	15236	1937		86				

Falkland Plateau

Line: 144

BPI: *fu*

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[illegible]

R/V ROBERT D. CONRAD

Cruise: RC21-06

Line: 145

RECORDING LOG

MCS

Falkland Plateau

shot counter not
zeroed at start of
line.

DFS IV

Format: SEGB

BPI: 800

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Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth fms	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/30/78	6449	16449	01:50	3000	1360	18.5	4	12000	gun #3 input disconnected from Back Box
	6449	16476	01:59	2500		"	"	"	change delay to 2500 msec
	6450	16541	02:19	"	1060	"	"	"	
	"	16581	02:31	2000		"	"	"	change TB → 2000 msec.
	"	16599	02:37	1000		"	"	"	TB → 1000 msec.
	6451	16634	02:48	"	256	"	"	"	
	"	16664	02:57	0000		"	"	"	TB → 0000 msec.
	6452	16725	03:16	"	249	"	"	"	
	6453	16817	03:44	"	247	"	"	"	
	6454	16908	04:12		266				04:13
	"	16919	04:13						Compressor trouble
	6455	17000	04:40		234				guns 2 & 3 off
	6456	17091	05:08		193				compressor fixed
	"	17145	05:26						gun 2 back on, gun 3 still out.
	6457	17183	05:37		138				testing gun 3, fires but too much
	"	17253	05:58			18.5 20.5			time jitter 0558 change pop rate to 20.5 sec
	6458	17274	06:05		92	20.5			
	6459	17366	06:37		75	"			
			06:59						
	6460	17457	07:08		71				gun 3 on again - still fires erratically

RECORDING LOG

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DFS IV

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R/V ROBERT D. CONRAD

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Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fm	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/30/78	6460	17549	0729	0		20.5	4	12000	gun 3 off again - still has jitter
	6461	17549	0739	0	75				
	6462	17640	0810	-0-	73				
	6463	17706	0833	-0-	73		4	12000	
	11	17723	0859	-0-					S/B #192 on H/L 3
	6464	17748	0904	-0-	75	20.5	4	12000	
	6465	17890	0936	-0-	74	11	11	11	
	6466	17981	1007	-0-	61	11	11	11	
	11	18070	1037						S/B #192 OFF
	6467	18079	1038	-0-		11	11	11	
	11	18088	1043						S/B #193 on H/L 3
	6468	18165	1109	-0-	55	11	11	11	
	6469	18257	1141	-0-	50	11	11	11	
	6470	18349	1212	-0-	52	"	"	"	
	"		1222						S/B #193
	"		12:22						S/B #193 off
	18434	18434	12:41						guns 1 & 4 off
	6471	18441	12:44	-0-	66	20.5	4	12000	
	"	18485	12:59	"		"	"	"	all guns firing again
	6472	18532	13:15	"	67	"	"	"	

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Date	Tape #	Shot Point #	Time	Trip Delay ms	Depth fm	Pop Rate s	Samp. Rate ms	Rec. L. ms	Comments
3/30/78	6472	18576	1330	- 0 -		17.5	4	12000	change firing rate to 17.5 sec
	6473	18622	1343	"	75	"	"	"	missed shot #18621
	6474	18713	14:10	"	85	"	"	"	
	6475	18804	14:36	"	122	"	"	"	
	6476	18895	15:03	"	199	"	"	"	
	6477	18987	15:29	"	256	"	"	"	
	6478	10978	15:56	"	321	18.5	4	12000	change tape pop rate to 18.5 sec. av.
	6479	19170	1624		373				
	6480	19261	1652		449				
	6481	19353	1720		426				
	6482	19404	1740		444				
	"	19488	1802			18.5 17.5			pop rate to 17.5 sec average
	6483	19537	1816		470	17.5			
	"	19623	1842	0.0 1.0					increase TB delay to 1 sec
	6484	19628	1843	1.0	833				
	6485	19720	1910	"	950				
	6486	19811	1936		970				
	"	19842	1945						guns 1+4 off - Compressor problems
	"	19877	1955	1.0 2.0					Time break delay changed to 2.0 sec
	6487	19903	2003	2.00	1197				

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Falkland Plateau

Date	Tape #	Shot Point #	Time	Trip Delay msec	Depth FMS	Pop Rate sec	Samp. Rate msec	Rec. L. msec	Comments
3/30/78	6488	19995	2030	2000		18.5	4	12000	
	6489	20087	2059	11	1247	11	11	11	
	6490	20178	2122	11	1246	11	11	11	
	6491	20271	2155	11	1110	11	11	11	
	11	20332	2214	11		11	11	11	Cons #3 & 1 on
	6492	20363	2224	11	973	11	11	11	
	6493	20456	2252	1000	851	11	11	11	*change TB to 1000ms
	6494	20547	2320	11	755	11	11	11	
	6495	20639	2344	11	680	11	11	11	
3/31/78	6496	20730	0017	1000	580	18.5	4	12000	
	6497	20821	0044	500	494	"	"	"	Change TB to 500 msec.
	6498	20912	0113	"	406	"	"	"	
	6499	21004	0141	"	340	"	"	"	
	6500	21095	0209	"	310	"	"	"	
	6501	21187	0237	"	297	"	"	"	
	6502	21278	0305	"	289	"	"	"	
	6503	21370	0334	000	260	19.5	"	"	change TB → 000 msec, pop rate → 19.5
	6504	21460	0403	1	246		1	1	
	6505	21552	0433	1	240		1	1	
	"	21599	0448	1		19.5 20.5	1	1	pop rate to 20.5

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BPI: 800

Line: 145

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