

RECORDING LOG

PAGE NO. ...

R/V COLLIER

AND R/V'S _____

CRUISE 2901AREA 3 CORNERSLINE NO. 727

LINE TYPE _____ SOURCE _____

DS240
DFS IV 240 CHANNELSFORMAT: SEC 7BPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
007	1842	001	001	4705	28	4	15	0	START MCS 2901. 1901Z. SHOT TIME TO 27 SEC.
009	1912	002	066	4800	27	4	15	0	Time may be off
009	1941	003	131	4840	27	4	15	0	
009	2015	004	193	4905	27	4	15	0	rebooting system (File # 197)
009	2044	005	262	4868	27	4	15	0	
009	2114	006	327	4895	27	4	15	0	
009	2143	007	392	4899	27	4	15	0	Tape got crunched & wrinkled 1/4 into tape
009	2211	008	457	4901	27	4	15	0	
009	2241	009	522	4900	27	4	15	0	
009	2310	010	587	4885	27	4	15	0	
009	2339	011	652	4389	27	4	15	0	
010	0010	012	717	4247	27	4	15	0	
010	0038	013	782	3852	27	4	15	0	
010	0108	014	847	2904	27	4	15	0	
010	0137	015	912	3209	27	4	15	0	tape error messages
010	0157	016	956	3152	27	4	15	0	
010	0226	017	1021	2685	27	4	15	0	
010	0255	018	1086	2237	27	4	15	0	
010	0324	019	1151	2142	27	4	15	0	

RECORDING LOG

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R/V CONRAD

AND R/V'S _____

10 gun array 4846 total shot volume

DSS 240

BPS IV 240 CHANNELS

CRUISE 2901AREA 3 CORNERSFORMAT: SEGYLINE NO ENAP 2

LINE TYPE _____

SOURCE _____

BPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
010	0354	020	1216	1733	27	4	15	0	
010	0423	021	1281	1420	27	4	15	0	
010	0452	022	1346	920	27	4	15	0	at 0450 stopped firing gun #10
010	0522	023	1411	820	27	4	15	0	at 0507 stopped firing guns #7-9
010	0551	024	1476	826	27	4	15	0	at 0522 #7-9 back in; #10 in for repair
010	0622	025	1541	660	27	4	15	0	missed 4 fires at 0551 due to tape load error
		025	1551						ON PP ABORTED.
010	0627	26	1552	610	27	4	15	0	START
010	0658	27	1617 151	151	27	4	15	0	It failed for 2 minutes 5 shots lost at BOT (short tape)
010	0707	28	1635	133	27	4	15	0	Guns 7-10 off at 0726
010	0737	30	1701	121	27	4	15	0	5 shots lost at BOT, #29 destroyed, no data
010	0804	30	1766	116	27	4	15	0	All guns on at 0743
010	0836	32	1830	111	27	4	15	0	
010	0905	33	1896	115	27	4	15	0	Clock data may be lost on file headers up to 1918 No data logged from 0906-0916
010	1009	34	1961	114	27	4	15	0	
010	1004	35	2026	115	27	4	15	0	
010	1032	36	2091	107	27	4	15	0	
010	1106	37	2156	101	27	4	15	0	Time might be off.
010	1131	38	2221	102	27	4	15	0	

LOG

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R/V CONRAD

AND R/V'S _____

CRUISE 2961

AREA 3 CORNERS

LINE NO ENAPZ

LINE TYPE_____

SOURCE _____

DFS IV 240 CHANNELS

FORMAT: SE G X

BFI 6750

[illegible]

R/V CONRADAND R/V'S —CRUISE 2901AREA CHILEMARGINLINE NO ENAPILINE TYPE —SOURCE 10 GUN ARRAY 4846 cu in.DFS IV 240 CHANNELSFORMAT: SEG YBPT 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
010	1744	40	0001	144	27	4	12	0	Start ENAPI line
010	1820	41	0080	137	27	4	12	0	
010	1855	42	0159	157	27	4	12	0	
010	1930	43	238	186	27	4	12	0	
010	2006	44	317	242	27	4	12	0	
010	2041	45	396	313	27	4	12	0	
010	2117	46	475	358	27	4	12	0	
010	2153	47	554	390	27	4	12	0	
010	2228	48	633	394	27	4	12	0	shot time changed to 26 sec at 2240 (4846 cu in)
010	2305	49	712	437	26	4	12	0	
010	2337	50	4291	401	26	4	12	0	
010	0012	51	870	492	26	4	12	0	
011	0046	52	949	650	26	4	12	0	
011	0120	53	1028	874	26	4	12	0	
011	0154	54	1102	1202	26	4	12	0	
011	0228	55	1186	1533	26	4	12	0	
011	0303	56	1265	1619	26	4	12	0	
011	0337	57	1344	2130	26	4	12	0	
011	0411	58	1423	2899	26	4	12	0	

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AND R/V'S _____

AREA CHILE MARGIN

LINE TYPE_____

SOURCE 10 GUN ARRAY 4846 cubic/inch

DFS IV 240 CHANNELS

FORMAT: SEG Y

BPI 6250

[illegible]

RECORDING LOG

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RV CONRADAND RV'S

DSS 240

DFS IV 240 CHANNELSCRUISE 2901AREA BHILE MARGINFORMAT: SEA YLINE NO ENAP3LINE TYPE SOURCE BPI 6250

729

Jan -
am
Jan
Jan
January

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
11-88	18:53	75	2704	4918	20	4	12	0	18:57 change to 18 sec.
11-88	19:17	76	2783	4908	18 ^a	4	12	0	
11-88	19:40	77	2862	4908	18	4	12	0	
11-88	20:04	78	2941	4900	18	4	12	0	
11-88	20:28	79	3020	4901	18	4	12	0	
011	2052	80	3099	4901	18	4	12	0	
011	2115	81	3178	4899	18	4	12	0	
011	2139	82	3257	4897	18	4	12	0	
011	2205	83	3336	4858	18	4	12	0	
011	2227	84	3415	4826	18	4	12	0	
011	2250	85	3494	4846	18	4	12	0	
011	2314	86	3573	3984	18	4	12	0	
011	2338	87	3652	3982	18	4	12	0	
012	0002	88	3731	4403	18	4	12	0	
012	0025	89	3810	3815	18	4	12	0	
012	0049	90	3889	3769	18	4	12	0	
012	0112	91	3968	4008	18	4	12	0	
012	0136	92	4047	4017	18	4	12	0	
012	0200	93	4126	2768	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Chile marginLINE NO. ENAP 3
729

LINE TYPE _____ SOURCE _____

DFS IV 240 CHANNELSFORMAT: SEGYBPI 6950

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
012	0223	94	4205	3006	18	4	12	0	
012	0247	95	4284	2140	18	4	12	0	
012	0311	96	4263	2370	18	4	12	0	
012	0335	97	4442	2270	18	4	12	0	
012	0358	98	4521	2177	18	4	12	0	
012	0422	99	4600	2194	18	4	12	0	
012	0446	100	4679	2409	18	4	12	0	
012	0510	101	4758	2414	18	4	12	0	(2414)
012	0533	102	4837	2397	18	4	12	0	
012	0557	103	4916	2425	18	4	12	0	
012	0620	104	4995	2444	18	4	12	0	
012	0645	105	5074	3470	18	4	12	0	
012	0708	106	5153	2268	18	4	12	0	
012	0732	107	5232	2180	18	4	12	0	change drive from D to C
012	0756	108	5311	1951	18	4	12	0	5 shots lost at BOT reading C now
012	0820	109	5390	1689	18	4	12	0	
012	0845	110	5469	1474	18	4	12	0	
012	0908	111	5548	1348	18	4	12	0	switch to B
012	0932	112	5627	1113	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Chile MarginLINE NO BNAP 3

LINE TYPE _____

SOURCE _____

DFS IV 240 CHANNELSFORMAT: SECFBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
012	0956	113	5706	1055	18	4	12	0	
012	1020 1029	114	5785	1108	18	4	12	0	10 24 - 1028 AS 0010 code multiple ^{gives}
012	1045	115	5864	1074	18	4	12	0	also NAV DATA INCOMPLETE could not restart
012									No seismic records from 10:42 to 10:59
									No other data from 10:50 to 10:56
012	1109	116	5943	1227	18	4	12	0	
012	1132	117	6022	1164	18	4	12	0	
012	1156	118	6101	958	18	4	12	0	
012	1220	119	6180	733	18	4	12	0	
012	1244	120	6259	566	18	4	12	0	
012	1307	121	6338	510	18	4	12	0	multiple DC offsets (AS0010)
012	1331	122	6417	444	18	4	12	0	"
012	1355	123	6496	417	18	4	12	0	13:55 - 13:52 to 14:01 ^{logger out} data missing
012	1419	124	6575	434	18	4	12	0	
012	1442	125	6654	446	18	4	12	0	
012	1506	126	6733	435	18	4	12	0	
012	1530	127	6812	402	18	4	12	0	
012	1553	128	6891	356	18	4	12	0	
012	1617	129	6970	283	18	4	12	0	

R/V CONRAD

AND R/V'S _____

DFS IV 240 CHANNELSCRUISE 2901AREA CHILE MARGINFORMAT: SEGYLINE NO. ENAP 3

LINE TYPE _____

SOURCE _____

BPT 6250729 + 730

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FPI METERS	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
012	1641	130	7049	276	18	4	12	0	
012	1705	131	7129	237	18	4	12	0	
012	1728	132	7207	200	18	4	12	0	
012	1752	133	7286	180	18	4	12	0	
012	1816	134	7365	158	18	4	12	0	
012		135			18	4	12	0	1831 guns off, end ENAP 3
012	1955	135A	135	122	18.4	4	12	0	FILE # SET TO 135 @ BOL INSTEAD of 0001, wrong density
012	2019	136A	214	120	18	4	12	0	restart 135, wrong density, tape marked out
012	2848	137							Tapes 135A & 136A are from recordings before restart of ENAP 4
013	0840	135	001	116	18	4	12	0	Restart of ENAP 4 begins with Tape 135
013	0904	136	080	125	18	4	12	0	
013	0928	137	159	134	18	4	12	0	
013	0952	138	238	144	18	4	12	0	
013	1015	139	317	156	18	4	12	0	
013	1039	140	396	185	18	4	12	0	
013	1103	141	475	235	18	4	12	0	
013	1126	142	554	276	18	4	12	0	
013	1150	143	633	483	18	4	12	0	12:05 SLOWED SPEED DUE TO SHIP TRAFFIC - GUNS @ 80
013	1214	144	712	564	18	4	12	0	CABLE @ 80' IN FRONT - INC SPEED TO 3.0 K. @ 1207

RV Conrad

AND R/V'S _____

CRUISE 2901AREA Chile MarginLINE NO. ENAP4

LINE TYPE _____

SOURCE _____

DFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
013	1238	145	791	938	18	4	12	0	1220, ship 1/2 mi. off bow
013	1301	146	870	1018	18	4	12	0	1312 1224 INC SPEED TO SURVEY SPEED COURSE 260°
013	1325	147	949	837	18	4	12	0	
013	1349	148	1028	1115	18	4	12	0	
013	1412	149	1107	1380	18	4	12	0	
013	1436	150	1186	1424	18	4	12	0	
013	1500	151	1265	1558	18	4	12	0	
013	1524	152	1344	1495	18	4	12	0	
013	1548	153	1423	2250	18	4	12	0	
013	1611	154	1502	2544	18	4	12	0	
013	1635	155	1581	3016	18	4	12	0	
013	1659	156	1660	3953	18	4	12	0	
013	1723	157	1739	3870	18	4	12	0	
013	1742	158	1818	4387	18	4	12	0	
013	1810	159	1897	4545	18	4	12	0	
013	1833	160	1976	4619	18	4	12	0	
013	1858	161	2055	4675	18	4	12	0	
013	1921	162	2134	4678	18	4	12	0	
013	1944	163	2213	4678	18	4	12	0	

R/V CONRAD

AND R/V'S _____

CRUISE 2901AREA CHILE MARGINLINE NO. ENAP 4
730

LINE TYPE _____ SOURCE _____

DFS IV 290 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
013	20:08	164	2292	4671	18	4	12	0	
013	20:32	165	2371	4055	18	4	12	0	
013	20:56	166	2450	4653	18	4	12	0	
013	21:20	167	2529	4639	18	4	12	0	
013	21:43	168	2608	4714	18	4	12	0	
013	22:07	169	2687	4613	18	4	12	0	
013	22:31	170	2766	4569	18	4	12	0	
013	22:54	171	2845	4532	18	4	12	0	
013	23:18	172	2924	4525	18	4	12	0	End ENAP 4, 2339
013	—	173	—	—	18	4	12	0	BPI 1600 BPI Test on data log
014	0058	174	0001	4469 4497	18	4	12	0	Start ENAP 5
014	0118	175	0080	4499	18	4	12	0	
014	0142	176	0159	4603	18	4	12	0	
014	0205	177	0238	4636	18	4	12	0	
014	0238	178	0317	4593	18	4	12	0	
014	0253	179	0396	4600	18	4	12	0	
014	0318	180	0475	4613	18	4	12	0	
014	0341	181	0554	4617	18	4	12	0	
014	0404	182	0634	4223	18	4	12	0	

R/V CONRAD

AND R/V'S _____

CRUISE 2901AREA CHILE MARGINLINE NO. ENAP 5

LINE TYPE _____

SOURCE _____

DFS IV 240 CHANNELSFORMAT: SEG YBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
014	0428	183	0712	4626	18	4	12	0	END OF TAPE WRINKLED (1-2 meters)
014	0452	184	0791	4629	18	4	12	0	
014	0515	185	0870	4630	18	4	12	0	
014	0539	186	0949	4636	18	4	12	0	
014	0603	187	1028	4638	18	4	12	0	
014	0627	188	1107	4642	18	4	12	0	
014	0656	189	1186	4638	18	4	12	0	
014	0714	190	1265	4597	18	4	12	0	
014	0737	191	1344	4526	18	4	12	0	
014	0801	192	1423	4564	18	4	12	0	
014	0825	193	1502	4251	18	4	12	0	
014	0848	194	1582	3476	18	4	12	0	
014	0912	195	1660	4224	18	4	12	0	
014	0936	196	1739	3472	18	4	12	0	
014	0958	197	1818	2902	18	4	12	0	These shots lost 1818-1845 recorded at 1600 BPI tape drive error
014	1008	198	1846	2934	18	4	12	0	
014	1032	199	1925	2984	18	4	12	0	TE errors
014	1056	200	2004	3008	18	4	12	0	
014	1119	201	2083	2989	18	4	12	0	

RECORDING LOG

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 DFS IV 240 CHANNELS
 FORMAT: SEGY
 BPI 6250
R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Chile marginLINE NO. ENAP5
731

LINE TYPE _____

SOURCE 10 argons

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
014	1143	202	2162	2889	18	4	12	0	
014	1206	203	2241	2496	18	4	12	0	
014	1230	204	2320	2016	18	4	12	0	
014	1254	205	2399	1591	18	4	12	0	
014	1318	206	2478	1300	18	4	12	0	
014	1341	207	2557	1321	18	4	12	0	multiple tape errors (2570 end) ^{switch} drives
014	1346	208	2571	1316	18	4	12	0	
014	1409	209	2650	1345	18	4	12	0	"nav data incomplete", ^{possible data gap} rec 2687-2688
014	1433	210	2729	1307	18	4	12	0	
014	1457	211	2808	1073	18	4	12	0	
014	1521	212	2887	628	18	4	12	0	Multiple tape errors
014	1544	213	2966	529	18	4	12	0	
014	1608	214	3045	442	18	4	12	0	
014	1632	215	3124	445	18	4	12	0	
014	1655	216	3203	286	18	4	12	0	
014	1719	217	3282	247	18	4	12	0	
014	1743	218	3361	242	18	4	12	0	
014	1807	219	3440	232	18	4	12	0	
014	1830	220	3519	224	18	4	12	0	

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AND R/V' S.

AREA CHILE MARGIN

LINE TYPE_____

SOURCE 10 airguns

DFS IV 240 CHANNELS

FORMAT: SEG 4

EPI 6250

[illegible]

RV Conrad

AND R/V'S _____

CRUISE 2901AREA Chile MarginLINE NO. ENAP6
732

LINE TYPE _____

SOURCE 10 arginsDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
015	0021	231	0001	86	18	4	12	0	Start ENAP 6, cable still in turn
015	0044	232	0080	105	18	4	12	0	
015	0108	233	0159	177	18	4	12	0	
015	0132	234	0238	125	18	4	12	0	
015	0155	235	0317	135	18	4	12	0	
015	0219	236	0396	138	18	4	12	0	
015	0243	237	0475	148	18	4	12	0	
015	0307	238	0554	156	18	4	12	0	
015	0330	239	0633	168	18	4	12	0	Lots of errors NAV DAT ERRORS @END
015	0334	240	0712	353	18	4	12	0	NAV DATA ERRORS → FILE 0753
015	0418	241	0791	606	18	4	12	0	MORE NAV DATA ERRORS INTERSPERSED
015	0441	242	0870	782	18	4	12	0	
015	0506	243	0949	906	18	4	12	0	
015	0529	244	1028	1035	18	4	12	0	
015	0553	245	1107	1224	18	4	12	0	
015	0617	246	1186	1343	18	4	12	0	CRINKLED TAPE ~ 2 meters from end
015	0640	247	1265	1600	18	4	12	0	AS0010 error file 1294-
015	0704	248	1344	1728	18	4	12	0	
015	0727	249	1423	1921	18	4	12	0	

R/V CONRAD

AND R/V'S _____

CRUISE 2901AREA CHILE MARGINLINE NO. ENAP6
732

LINE TYPE _____

SOURCE 10 Air GunsDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
015	07:51	250	1502	1957	18	4	12	0	
015	08:15	251	1581	1942	18	4	12	0	
015	08:39	252	1660	1916	18	4	12	0	
015	09:02	253	1739	1883	18	4	12	0	
015	09:26	254	1818	1806	18	4	12	0	
015	09:50	255	1897	1764	18	4	12	0	
015	10:13	256	1976	1965	18	4	12	0	
015	10:37	257	2055	2099	18	4	12	0	
015	11:01	258	2134	2210	18	4	12	0	
015	11:24	259	2213	2559	18	4	12	0	
015	11:48	260	2292	3307	18	4	12	0	
015	12:12	261	2371	3305	18	4	12	0	
015	12:35	262	2450	3172	18	4	12	0	
015	12:59	263	2529	3094	18	4	12	0	
015	13:23	264	2608	3788	18	4	12	0	
015	13:47	265	2687	3921	18	4	12	0	
015	14:10	266	2766	4337	18	4	12	0	
015	14:34	267	2845	4397	18	4	12	0	
015	14:58	268	2924	4394	18	4	12	0	

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R/U. CONRAD

AND R/V'S _____

CRUISE 2901

AREA CHILE MARGIN

LINE NO ENAP 6

LINE TYPE_____

SOURCE _____

DFS IV 240 CHANNELS

DFS IV 240 CHANNELS

FORMAT: SE6Y

BPI 6250

[illegible]

R/V ConradAND R/V'S —CRUISE 2901AREA Seabeam Survey AreaLINE NO. Chile 1
733LINE TYPE —SOURCE argun 3661 in³DFS IV 240 CHANNELSFORMAT: SEG-YBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
020	0407	277	0001	215	18	4	12	0	Nav log tape on, OFF AGAIN
020	0430	278	0080	276	18	4	12	0	
020	0454	279	0159	133	18	4	12	0	~0500 Gun #7 NOT FIRING
020	0520	280	0238	145	18	4	12	0	File 0196, then "ACQUISITION CODE = 8020"
020	0544	281	0317	139	18	4	12	0	resume file 0197 - several fires missed (~5min?)
020	0608	282	0396	281	18	4	12	0	resume NAV DATA at file 0204
020	0631	283	0475	445	18	4	12	0	
020	0655	284	0554	871	18	4	12	0	0651 #7 REPAIRED.
020	0719	285	0633	1025	18	4	12	0	
020	0743	286	0712	1217	18	4	12	0	
020	0806	287	0791	1497	18	4	12	0	
020	0830	288	0870	1569	18	4	12	0	
020	0854	289	0949	1791	18	4	12	0	
020	09:17	290	1028	1935	18	4	12	0	
020	09:41	291	1107	2153	18	4	12	0	
020	10.05	292	1186	2466	18	4	12	0	Time lost in headers for 5min ending with SP 1439
020	10:29	293	1265	3646	18	4	12	0	
020	10.52	294	1344	3307	18	4	12	0	
020	11:16	295	1423	3314	18	4	12	0	parity errors files 1492-1495

NAV 22-8-82

R/V ConradAND R/V'S —DFS IV 240 CHANNELSCRUISE 2901AREA Survey AreaFORMAT: SEGYLINE NO Chile 1LINE TYPE —SOURCE 3661 m³ argonBPT: 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FATH	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
020	1140	296	1502	3281	18	4	12	0	
020	1203	297	1581	3279	18	4	12	0	
020	1229	298	1660	3300	18	4	12	0	
020	1251	299	1739	3327	18	4	12	0	
020	1314	300	1818 3334	3334	18	4	12	0	
020	1338	301	1897	3340	18	4	12	0	
020	1402	302	1976	3345	18	4	12	0	
020	1426	303	2055	3342	18	4	12	0	
020	1451	304	2134	3342	18	4	12	0	
020	1514	305	2202	3312	18	4	12	0	START CHILE 2 734 734
020	1537	306	2292	3341	18	4	12	0	TAPES 304 - 322 ON DELTIV FEB 2000
020	1601	307	2371	3224	18	4	12	0	
020	1624	308	2450	2719	18	4	12	0	
020	1648	309	2525 2463	2403	18	4	12	0	FILE COUNT 2529
020	1712	310	2608	1817	18	4	12	0	
020	1735	311	2687	1980	18	4	12	0	
020	1759	312	2766	793	18	4	12	0	
020	1823	313	2845	1080	18	4	12	0	
020	1847	314	2924	1286	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Survey areaLINE NO CHILE 2

LINE TYPE _____

SOURCE 3661 m³ airgunDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

734, 735, 736

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
020	19:10	315	3003	1366	18	4	12	0	1845 PRESSURE TO 1400 PSI / COMPRESSOR DOWN
020	19:34	316	3082	1140	18	4	12	0	
020	19:57	317	3161	787	18	4	12	0	
020	20:21	318	3240	447	18	4	12	0	5 shots lost @ BOT
020	20:46	319	3319	190	18	4	12	0	
020	21:10	320	3398	144	18	4	12	0	
020	21:34	321	3477	130	18	4	12	0	
020	21:58	322	3556	129	18	4	12	0	↓ 734
020	22:07	322	3728	140	18	4	12	0	EOT # 322 - LSP ³⁷⁹⁸ 3728 - EOL CHILE 2
020	22:30	323	0001	150	18	4	12	0	BOL CHILE 2A - FSP 0001 (NOTED 3560 ON TAPE) RESET
020	22:53	324	0080	153	18	4	12	0	↓ 735 TAPES 323-325 ON DLTV FEB 2000
020	23:17	325	0159	150	18	4	12	0	End Chile 2A @ 23:30, file 0209
020	23:51	326	0001	134	18	4	12	0	BOL CHILE 3 @ 23:51, FN ^{CABLE IN TURN} 0001 HDG = 272°
021	00:15	327	0080	135	18	4	12	0	↑ 736
021	00:39	328	0159	151	18	4	12	0	
021	01:02	329	0238	165	18	4	12	0	
021	01:26	330	0317	305	18	4	12	0	let out 2 turns of streamer
021	01:50	331	0396	694	18	4	12	0	to bring depths down
021	02:14	332	0475	937	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Survey AreaLINE NO. Chile 3

LINE TYPE _____

SOURCE 3661 m³ argonsDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
021	0237	333	0554	1110	18	4	12	0	
021	0301	334	0633	1070	18	4	12	0	
021	0325	335	0712	1221	18	4	12	0	FILE # 0712
021	0348	336	0791	1217	18	4	12	0	
021	0412	337	0870	912	18	4	12	0	
021	0436	338	0949	876	18	4	12	0	
021	0500	339	1028	1714	18	4	12	0	FILE # 1028 TIME 0500 D = 1714
021	0523	340	1107	2360	18	4	12	0	TIME 0523 FILE # 1107 D = 2360 m
021	0547	341	1186	3179	18	4	12	0	
021	0611	342	1265	3325	18	4	12	0	lost some NAV DATA
021	0635	343	1344	3325	18	4	12	0	INTERMITTENT NAV DATA
021	0658	344	1423	3322	18	4	12	0	
	0705		1460	3323	18	4	12	0	END CHILE 3.
021	0750	345	0001	3312	18	4	12	0	start Chile 3A. 737
021	0812	346	0080	3322	18	4	12	0	
021	0836	347	0159	3319	18	4	12	0	
021	0900	348	0238	3289	18	4	12	0	
021	0923	349	0317	2879	18	4	12	0	
021	0947	350	396	2514	18	4	12	0	

RECORDING LOG

R/V Conrad

AND R/V'S _____

CRUISE 2901 737 AREA _____LINE NO. CHILE 3A LINE TYPE _____SOURCE 3661 in³ ArgonDFS IV 290 CHANNELSFORMAT: SEGYBPI 6250CHILE 4 738

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
021	1011	351	775	7126	18	4	12	0	END 4 CHILE 3A 737
021	1042	352 352	001 001	1725	18	4	12	0	START CHILE 4 738
021	1105	353	0080	1520	18	4	12	0	
021	1129	354	0159	1068	18	4	12	0	
021	1153	355	0238	826	18	4	12	0	
021	1216	356	0317	1114	18	4	12	0	
021	1240	357	0396	962	18	4	12	0	
021	1304	358	0475 0475	937	18	4	12	0	
021	1328	359	0554	940	18	4	12	0	streamer riding high - migrating
021	1351	360	0633	1418	18	4	12	0	bubble starting @ bird ~32
021	1415	361	0712	1660	18	4	12	0	"
021	1439	362	0791	1913	18	4	12	0	"
021	1503	363	0870	2159	18	4	12	0	"
021	1526	364	0949	1948	18	4	12	0	"
021	1550	365	1028	1951	18	4	12	0	"
021	1613	366	1107 1107	2682	18	4	12	0	file #1107
021	1638	367	1186	1899	18	4	12	0	
021	1701	368	1265	1788	18	4	12	0	
021	1725	369	1344	2233	18	4	12	0	738 FINAL FILE #1357 END CHILE 4

RECORDING LOG

PAGE NO. 3

R/V CONRAD AND R/V'S _____CRUISE 8901 ⁷³⁹ AREA _____LINE NO. CHILE 5 LINE TYPE _____CHILE 6 ⁷⁴⁰ SOURCE 3661 in³ AirgunDFS IV 240 CHANNELSFORMAT: SEG YBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH M	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
021	1734	370	0001	2235	18	4	12	0	CHILE 5 starts 739
021	1758	371	0080	1864 1455	18	4	12	0	DEPTH 1455m
	1821								END CHILE 5 ⁷³⁹ STREAMER FLOATING
									CHILE 6 doesn't exist (LATER)
022	0354	372	0001	3286	18	4	12	0	(1600 bpi) start CHILE 6 740
022	0402	373	0031	3283	18	4	12	0	
022	0426	374	0111	3231	18	4	12	0	
	0			3226					
022	0450	375	0191	2860	18	4	12	0	
022	0514	376	0271	2515	18	4	12	0	
022	0538	377	0351	2278	18	4	12	0	
022	0602	378	0431	2137	18	4	12	0	END CHILE 7 740
022	0626	379	0511	1714	18	4	12	0	
022	0645	379	0001	1184	18	4	12	0	START CHILE 6
022	0645	379	0001	1184	18	4	12	0	START CHILE 6 741
022	0710	380	0081	1016	18	4	12	0	
022	0734	381	1601	826	18	4	12	0	

R/V CONRADAND R/V'S —CRUISE 2901AREA —LINE NO. CHILE 6/8LINE TYPE —SOURCE 3661 m³ AirgunDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH (M)	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
022	07:58	382	0241	923	18	4	12	0	
022	08:22	383	0321	1029	18	4	12	0	
022	08:45	384	0401	1206	18	4	12	0	
022	09:11	385	0481	1093	18	4	12	0	
022	09:34	386	0561	878	18	4	12	0	
022	09:58	387	0641	1227	18	4	12	0	
022	10:22	388	0721	1591	18	4	12	0	
022	10:46	389	0801	1761	18	4	12	0	
022	11:10	390	0881	1345	18	4	12	0	
022	11:34	391	0961	1011	18	4	12	0	
022	11:58	392	1041	1044	18	4	12	0	
022	12:22	393	1121	915	18	4	12	0	
022	12:46	394	1201	892	18	4	12	0	lost files (3 records)
022	12:51	395	1208	873	18	4	12	0	
022	13:13	396	1288	846	18	4	12	0	
022	13:37	397	1368	812	18	4	12	0	missed files - nav data incomplete
022	14:05	398	1448	1851	18	4	12	0	1406 shutting guns down
022	18:35	399	0001	275	18	4	12	0	start Chile 8 1823 = 742
022	18:47	400	0081	264	18	4	12	0	

R/V CONRAD

AND R/V'S _____

CRUISE 2901

AREA _____

LINE NO CHILE 8

LINE TYPE _____

SOURCE 3661 m³ ArgonDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FT MTRS	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
D22	1912	401	161	261	18	4	12	0	
022	1936	402	241	220	18	4	12	0	
022	2000	403	321	165	18	4	12	0	
022	2024	404	401	148	18	4	12	0	
022	2048	405	481	140	18	4	12	0	
022	2112	406	561	129	18	4	12	0	
022	2136	407	641	124	18	4	12	0	
022	2200	408	720	127	18	4	12	0	
022	2224	409	801	269	18	4	12	0	END of CHILES 742
022	2248	410	802	18	4	12	0	0	
022	2304	410	0001	135	18	4	12	0	Begin CHILE 743 S.P. #0002 the CABLE in TURN
022	2328	411	0081	127	18	4	12	0	write error - missing 5 files @ beginning
022	2354	412	0161	117	18	4	12	0	
023	0018	413	0241	119	18	4	12	0	
023	0042	414	0321	116	18	4	12	0	
023	0106	415	0401	113	18	4	20	0	
023	0130	416	0481	124	18	4	20	0	
023	0154	417	0561	138	18	4	20	0	
023	0218	418	0641	177	18	4	20	0	

R/V ConradAND R/V'S —CRUISE 2901AREA —LINE NO Chile 9
743LINE TYPE —SOURCE 3661 m³ airgunsDFS IV 240 CHANNELSFORMAT: SEGYBPT. 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
023	0242	419	0721	242	18	4	20	0	
023	0306	420	0801	308	18	4	20	0	
023	0330	421	0881	363	18	4	20	0	
023	0354	422	0961	540	18	4	20	0	
023	0418	423	1041	660	18	4	20	0	
023	0442	424	1121	801	18	4	20	0	
023	0506	425	1201	873	18	4	20	0	
023	0530	426	1281	1039	18	4	20	0	
023	0554	427	1361	1280	18	4	20	0	
023	0618	428	1441	1707	18	4	12	0	File count = 1441
023	0642	429	1521	2219	18	4	12	0	
023	0706	430	1601	2599	18	4	12	0	
023	0730	431	1681	2569	18	4	12	0	
023	0754	432	1761	3249	18	4	12	0	
023	0818	433	1841	3327	18	4	12	0	
023	0842	434	1921	3322	18	4	12	0	
023	0906	435	2001	3313	18	4	12	0	
023	0930	436	2081	3302	18	4	12	0	
023	0954	437	2161	3071	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901

AREA _____

LINE NO CHILE 9/10/11

LINE TYPE _____

SOURCE 3661 m³ airgunsDFS IV 240 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
023	10:18	438	2241	2911	18	4	12	0	
023	10:42	439	2321	2517	18	4	12	0	files lost end of tape - nav data incomplete
									End Chile 9 @ 1106Z 743
023	11:28	440	0001	3018	18	4	12	0	START Chile 10 744
023	11:52	441	0081	3019	18	4	12	0	partial data, file 91, streamer telemetry
023	12:18	442	0161	3020	18	4	12	0	problems
023	12:42	443	0241	3035	18	4	12	0	
023	13:06	444	0321	4491	18	4	12	0	
023	13:30	445	0401	3236	18	4	12	0	
023	13:54	446	0481	3090	18	4	12	0	1355 dead gun #6
023	14:18	447	0561	2856	18	4	12	0	ROL CHILE 10 - S.P# 744
023	14:42	448	0641	2707	18	4	12	0	
023	15:01	448	0001	2586	18	4	12	0	ROL CHILE 11 ⁷⁴⁵ cable in turn, BOL SP = 0002
023	15:25	449	0081	2719	18	4	12	0	1518 - Gun #6 working
023	15:49	450	0161	2679	18	4	12	0	TAPES 448-462 ON DLTIV FEB 2000
023	16:13	451	0241	3090	18	4	12	0	
023	16:37	452	0321	3267	18	4	12	0	
023	17:02	453	0401	3224	18	4	12	0	
023	17:25	454	0481	2728	18	4	12	0	

R/V CONRADAND R/V'S —DFS IV 240 CHANNELSCRUISE 2901AREA —FORMAT: SEGYLINE NO. CHILE 11/12LINE TYPE —SOURCE 3661 in³ airgunBPT. 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
023	1749	455	0501 455	2269	18	4	12	0	FILE COUNT 0561
023	1813	456	0641	2169	18	4	12	0	
023	1837	457	0721	1766	18	4	12	0	
023	1901	458	0801	1585	18	4	12	0	
023	1925	459	0881	1036	18	4	12	0	
023	1949	460	0961	450	18	4	12	0	
023	2013	461	1041	166	18	4	12	0	
023	2037	462	1121	169	18	4	12	0	END of CHILE 11 745
023	2247	463	0001	197	18	4	12	0	Files 1-9 shot failed BEGIN LINE CHILE 12 @ S.P. 0001 IN TURN @ 60L
023	2311	464	0081	209	18	4	12	0	lost first 2 records → 746
023	2336	465	0161	442	18	4	12	0	
024	0000	466	0241	905	18	4	12	0	
024	0024	467	0321	1380	18	4	12	0	
024	0048	468	0401	1796	18	4	12	0	missing files in 0439-0446 → sens. pgm stopped
024	0113	469	0481	2064	18	4	12	0	" " 0478-0481 "
024	0136	470	0561	2157	18	4	12	0	
024	0200	471	0641	2489	18	4	12	0	
024	0224	472	0721	2610	18	4	12	0	
024	0248	473	0801	3157	18	4	12	0	

R/V CONRAD

AND R/V'S _____

DFS IV 240 CHANNELSCRUISE 2901

AREA _____

FORMAT: SEG7LINE NO. CHILE 12
CHILE 13.

LINE TYPE _____

SOURCE 0801BPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
024	0312	474	0881	3300	18	4	12	0	
024	0336	475	0961	3272	18	4	12	0	
024	0400	476	1041	3232	18	4	12	0	
024	0424	477	1121	3237	18	4	12	0	
024	0448	478	1201	3255	18	4	12	0	END CHILE 12 ⁷⁴⁶
024	⁰⁵⁰⁵ 0448	479A	001	3214	18	4	12	0	BEGIN CHILE 13. ⁷⁴⁷ TAPE 479A } 2 # 479 TAPES.
024	0529	^{479B} 480	0081	2850	18	4	12	0	TAPE 479B }
024	0553	480	0161	2690	18	4	12	0	479B should have been 480, but mislabeled at
024	0617	481	0241	2652	18	4	12	0	start of the line.
024	0641	482	0321	2625	18	4	12	0	
024	0705	482	0400						END CHILE 13 ⁷⁴⁷
024	0725	483	001	2614	18	4	12	0	BEGIN CHILE 14 @ 0725 ⁷⁴⁸
024	0748	484	081	2580	18	4	12	0	
024	0812	485	0161	3078	18	4	12	0	
024	0836	486	241	3162	18	4	12	0	
024	0900	487	321	2617	18	4	12	0	
024	0924	488	401	2239	18	4	12	0	
024	0948	489	481	1853	18	4	12	0	
024	1012	490	561	1724	18	4	12	0	

R/V Conrad

AND R/V'S _____

DFS IV 236 CHANNELSCRUISE 2901

AREA _____

FORMAT: SEGYLINE NO. CHILE 14/15/16 LINE TYPE _____ SOURCE _____BPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
024	1036	491	641	1676	18	4	12	0	
024	1100	492	721	1595	18	4	12	0	
024	1124	493	0801	876	18	4	12	0	
024	1150	494	0881	261	18	4	12	0	
024	1212	495	0961	180	18	4	12	0	
024	1236	496	1041	168	18	4	12	0	748
024	1300	497	1121	179	18	4	12	0	END LINE CHILE 14 (13:10 Z)
024	1317	498	0001	177	18	4	12	0	START LINE CHILE 15 749
024	1341	499	0081	178	18	4	12	0	
024	1405	500	0161	177	18	4	12	0	
024	1429	501	0241	175	18	4	12	0	
024	1453	502	0321	173	18	4	12	0	END LINE Chile 15 749
024	1515	503	0001	171	18	4	12	0	START LINE Chile 16 750
024	1539	504	0081	190	18	4	12	0	
024	1603	505	0161	422	18	4	12	0	
024	1627	506	0241	669	18	4	12	0	
024	1657	507	0321	934	18	4	12	0	
024	1715	508	0401	1245	18	4	12	0	
024	1739	509	0481	1544	18	4	12	0	

R/V CONRADAND R/V'S CRUISE 2901AREA LINE NO. CHILE 16LINE TYPE SOURCE 750, 751DFS IV 236 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
024	1803	510	0561	1690	18	4	12	0	
024	1827	511	0641	1834	18	4	12	0	
024	1851	512	0721	1924	18	4	12	0	
024	1914	513	801	2288	18	4	12	0	
024	1938	514	881	2993	18	4	12	0	
024	2002	515	981	2913	18	4	12	0	
024	2027	516	1041	2441	18	4	12	0	
024	2058	517	1121	2340	18	4	12	0	
024	2114	518	1201	2445	18	4	12	0	End of CHILE 16 750 <u>751</u>
024	2221	519	001	2506	18	4	12	0	First shot has wrong shot point # on tape. Start CHILE 17
024	2244	520	051	2490	18	4	12	0	at SP 56 Begin turning onto CHILE 17 CSE 072°
024	2308	521	0161	2442	18	4	12	0	lost first 2 files (TAPE LABEL 521) does not exist
024	2334	522	0245	2641	18	4	12	0	
024	2358	523	0325	2862	18	4	12	0	
025	0022	524	0405	3032	18	4	12	0	
025	0046	525	0485	2624	18	4	12	0	
025	0110	526	0565	2255	18	4	12	0	
025	0134	527	0645	1627	18	4	12	0	
025	0158	528	0725	870	18	4	12	0	

RECORDING LOG

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R/V Conrad

AND R/V'S _____

CRUISE 2901

AREA _____

LINE NO Chile 17

LINE TYPE _____

SOURCE # TUNED ARRAY 10 A/CDFS IV 236 CHANNELSFORMAT: SEGYBPI 6250

751, 752, 753

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM m	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
025	0223	529	0805	700	18	4	12	0	
025	0246	530	0885	484	18	4	12	0	
025	0311	531	0965	241	18	4	12	0	
025	0334	532	1045	191	18	4	12	0	
025	0338	532	1125	—	OK				END CHILE 17 751 last file 1125 on tape 532
025	0407	533	001	167	18	4	12	0	BEGIN CHILE 18 (STILL IN TURN) 752
025	0431	534	0081	155	18	4	12	0	
025	0455	535	0161	150	18	4	12	0	0515 START TURN TO 255°
025	0519	535	0241	134	18	4	12	0	END CHILE 18 752 last file 241 on tape 535
025	0528	536	001	242	18	4	12	0	BEGIN CHILE 19 - 753
025	0552	537	0081	960	18	4	12	0	
025	0616	538	0161	1501	18	4	12	0	
025	0639	539	0241	1832	18	4	12	0	
025	0703	540	321	1848	18	4	12	0	
025	0728	541	0401	1612	18	4	12	0	
025	0752	542	0481	1673	18	4	12	0	
025	0816	543	0561	2115	18	4	12	0	
025	0839	544	0641	2609	18	4	12	0	
025	0903	545	0721	2847	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901

AREA _____

LINE NO CHILE 19

LINE TYPE _____

SOURCE _____

DFS IV 236 CHANNELSFORMAT: SEGYBPT 6250

JULIAN DATE <i>January</i>	TIME GMT	TAPE #	FILE COUNT	DEPTH M	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
025	0927	546	0801	2799	18	4	12	0	
025	0951	547	0881	2790	18	4	12	0	
025	1015	548	0961	2676	18	4	12	0	
025	1039	549	1041	2587	18	4	12	0	END CHILE 19 ⁷⁵³ @ 1044 Last file on tape 1057
025	1058	550	001	2752	18	4	12	0	START CHILE 20 754
025	1122	551	008L	2806	18	4	12	0	
025	1146	552	0161	2769	18	4	12	0	
025	1210	553	0244	2706	18	4	12	0	
025	1234	554	0321	2634	18	4	12	0	
025	1258	555	0401	2534	18	4	12	0	
025	1322	556	0481	2221	18	4	12	0	
025	1346	557	0561	1700	18	4	12	0	
025	1410	558	0641	440	18	4	12	0	~1400 GUN #8 NOT FIRING
025	1434	559	0721	166	18	4	12	0	
025	1458	560	0801	137	18	4	12	0	END CHILE 20 754
025	1558	561	0001	1002	18	4	12	0	START CHILE 21 755
025	1623	562	0081	1625	18	4	12	0	
025	1646	563	0161	1470	18	4	12	0	
025	1710	564	0241	1113	18	4	12	0	1711 GUN #8 WORKING AGAIN

R/V CONRAD

AND R/V'S _____

CRUISE 2901

AREA _____

LINE NO CHILE 21
755

LINE TYPE _____

SOURCE _____

DFS IV 236 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
025	1734	565	0321	1037	18	4	12	0	
025	1758	566	0401	524	18	4	12	0	
025	1822	567	0481	969	18	4	12	0	
025	1846	568	0561	1609	18	4	12	0	
025	1910	569	0641	1654	18	4	12	0	
025	1934	570	721	1629	18	4	12	0	
025	1958	571	801	1549	18	4	12	0	
025	2022	572	881	1384	18	4	12	0	
025	2046	573	961	1441	18	4	12	0	
025	2110	574	1041	1588	18	4	12	0	
025	2134	575	1121	1860	18	4	12	0	
025	2158	576	1201	1682	18	4	12	0	
025	2222	577	1281	1884	18	4	12	0	
025	2249	578	1361	2071	18	4	12	0	9 shot lost at BOT
025	2312	579	1441	2078	18	4	12	0	
025	2337	580	1521	2043	18	4	12	0	
026	0000	581	1601	2087	18	4	12	0	
026	0025	582	1681	2174	18	4	12	0	
026	0049	583	1761	2179	18	4	12	0	0054 END ZINE CHILE 21 755

CRUISE 2401

AREA

TRIPLE JUNCTION

DFS IV

LINE NO. CHILE 22

LINE TYPE

SOURCE AIR GUNSFORMAT: SLBPI 6250756, 757, 758

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
026	0056	584		2179					0056 END LINE CHILE 22
026	0035	584	0001	3249	18.0	4	12.0	0	^{756 FSP FIN 2008 - RESET - 1} Begin Line CHILE 22 C. S.P. 0001 1 Comp Pressure ^{off line}
026	0224	585	0081	3098	18	4	12	0	S.P. 0008 Gun #1 off line - Reduced Pressure (Comp. ^{Back to}
026	0248	586	0161	2736	18	4	12	0	S.P. 102 Gun #1 online -
026	0313	587	0241	2713	18	4	12	0	0320 - GUNS 5 & 6 back on
026	0336	588	0321	2584	18	4	12	0	
026	0401	589	0401	2650	18	4	12	0	
026	0425	590	0481	2577	18	4	12	0	
026	0449	591	0561	2414	18	4	12	0	
026	0512	592	0641	2231	18	4	12	0	
026	0536	593	0721	2156	18	4	12	0	
026	0600	594	0801	2048	18	4	12	0	
026	0624	595	0881	1964	18	4	12	0	
026	0641	596	001	1834	18	4	12	0	START CHILE 23 757
026	0706	597	0081	1479	18	4	12	0	
26	0730	598	0161	1178	18	4	12	0	END CHILE 23 757
026	0801	599	001	1260	18	4	12	0	BEGIN CHILE 24 758
026	0825	600	81	1370	18	4	12	0	
026	0913	601	121	1111	18	4	12	0	

CRUISE 2901AREA Triple Jet

BPS 1

LINE NO CHILE 24/25/26LINE TYPE 758, 759, 760SOURCE Airguns

FORMAT: =

BPI 6258

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
026	0937	603	391	1214	18	4	12	0	
26	1001	604	401	1596	18	4	12	0	
26	1025	605	481	1451	18	4	12	0	
026	1042	606	001	1616	18	4	12	0	END CHILE 24 FILE 502 758
026	1106	607	0081	1948	18	4	12	0	BEGIN CHILE 25 - 759
026	1130	608	0161	2028	18	4	12	0	
026	1154	609	0241	2419	18	4	12	0	
026	1218	610	0321	2737	18	4	12	0	
026	1242	611	0401	2862	18	4	12	0	
026	1306	612	0481	3263	18	4	12	0	
026	1330	613	0561	3293	18	4	12	0	
026	1354	614	0641	3352	18	4	12	0	
026	1418	615	0721	3072	18	4	12	0	
026	1442	616	0801	2878	18	4	12	0	S.P. 2592 - Guns 1, 5, 6, 10 OFFLINE - 2 Comp. on line.
026	1506	617	0881	2937	18	4	12	0	
026	1527	618	0001	3090	18	4	12	0	SOL CHILE 26 760
026	1551	619	0081	3249	18	4	12	0	
026	1615	620	0161	3236	18	4	12	0	
026	1640	621	0241	3259	18	4	12	0	

CRUISE - 101

AREA Kume JunctionLINE NO. CHILE 27

LINE TYPE _____

SOURCE Airgun

FORMAT: -

BPI 621

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
026	1709	622	001	3271	18	4	12	0	76/START CHILE 27 ONLY 5 A/G ON LINE.
026	1732	623	0081	3298	18	4	12	0	
026	1757	624	0161	3285	18	4	12	0	
026	1820	625	0241	3270	18	4	12	0	
026	1844	626	0321	3240	18	4	12	0	
026	1908	627	0401	3156	18	4	12	0	
026	1932	628	0481	3256	18	4	12	0	Depth 3256
026	1956	629	0561	3276	18	4	12	0	
026	2020	630	640	3348	18	4	12	0	
026	2045	631	721	3250	18	4	12	0	2050 RECONNECTED TO LOGGER AFTER WINDOW SEIZURE
026	2108	632	801	3288	18	4	12	0	
026	2132	633	881	3302	18	4	12	0	
026	2156	634	961	3243	18	4	12	0	
026	2220	635	1041	3102	18	4	12	0	
026	2244	636	1121	3042	18	4	12	0	File count 1121
026	2308	637	1201	2960	18	4	12	0	
026	2332	638	1281	3082	18	4	12	0	
026	2356	639	1361	3089	18	4	12	0	
027	0020	640	1441	3035	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Triple JunctionLINE NO Chile 27

LINE TYPE _____

SOURCE argyusDFS IV 236 CHANNELSFORMAT: SEGYBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
027	0044	641	1521	2971	18	4	12	0	
027	0109	642	1601	2622	18	4	12	0	
027	0132	643	1681	2533	18	4	12	0	
027	0156	644	1761	2631	18	4	12	0	
027	0220	645	1841	2141	18	4	12	0	
027	0244	646	1921	2211	18	4	12	0	
027	0308	647	2001	2107	18	4	12	0	
027	0333	648	2081	1518	18	4	12	0	
027	0356	649	2161	636	18	4	12	0	
027	0420	650	2241	1314	18	4	12	0	END CHILE 27 761
027	0443	651	2027 ⁰⁰¹	2027	18	4	12	0	BEGIN CHILE 28 762 STILL TURNING. REFINED AIR PRESSURE
027	0507	652	0081	1422	18	4	12	0	
027	0534	653	0161	1320	18	4	12	0	LOST 5 SHOTS AT START OF TAPE
027	0559	654	0241	1862	18	4	12	0	
027	0624	655	0321	2815	18	4	12	0	
027	0648	656	0401	2930	18	4	12	0	
027	0711	657	481	2954	18	4	12	0	
027	0740	658	001	2964	18	4	12	0	
027	0811	659	091	2975	18	4	12	0	

R/V Conrad

AND R/V'S _____

CRUISE 2401AREA Triples JetDFS IV 236 CHANNELSFORMAT: SEGYLINE NO. CHILE 30, 31

LINE TYPE _____

SOURCE ArgonsBPI 6250

764, 765

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
027	0812	660	001	3036	18	4	12	0	BEGIN CHILE 30 764
027	0906	661	081	3113	18	4	12	0	
027	0930	662	161	3307	18	4	12	0	
027	0954	663	241	2392	18	4	12	0	
027	1018	664	321	2548	18	4	12	0	
027	1012	665	401	3165	18	4	12	0	
027	1106	666	0481	3324	18	4	12	0	
027	1130	667	0561	3388	18	4	12	0	
027	1154	668	0641	3314	18	4	12	0	
027	1218	669	0721	2250	18	4	12	0	
027	1242	670	0804	1403	18	4	12	0	End Chile 30 764
027	1311	671	0001	644	18	4	12	0	start Chile 31 765
027	1335	672	0081	1973	18	4	12	0	
027	1359	673	0161	2667	18	4	12	0	
027	1423	674	0241	2854	18	4	12	0	
027	1447	675	0321	3239	18	4	12	0	
027	1511	676	0401	3339	18	4	12	0	
027	1535	677	0481	3257	18	4	12	0	
027	1559	678	0561	3235	18	4	12	0	

CRUISE 2901AREA Tropic Junction

DPS IC

LINE NO

CHILE 31

LINE TYPE

SOURCE AirgunsFORMAT: -BPI 625765, 766, 767

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
027	1623	679	0641	3272	18	4	12	0	
027	1647	680	0721	3375	18	4	12	0	
027	1711	681	0801	3446	18	4	12	0	
027	1735	682	0881	2451	18	4	12	0	
027	1759	683	0961	3472	18	4	12	0	EOL CHILE 31 at 1759z 765
027			104						1840-GUN 5 OUT OF WATER
027	1853	684	0001		18	4	12	0	SOL CHILE 32 766
027	1917	685	81	3471	18	4	12	0	
027	1941	686	161	3464	18	4	12	0	
027	2005	687	241	3486	18	4	12	0	
027	2029	688	321	3506	18	4	12	0	
027	2053	689	401	3491	18	4	12	0	
027	2117	690	481	3468	18	4	12	0	END CHILE 32 766
027	2132	691	001		18	4	12	0	START CHILE 33 767
027	2157	692	80	3422	18	4	12	0	
027	2221	693	161	3403	18	4	12	0	
027	2245	694	241	3332	18	4	12	0	
027	2310	695	0324	3050	18	4	12	0	
027		696	0401		18	4	12	0	

CRUISE 2701 767 AREA Triple Junction
 LINE NO Chile 33 LINE TYPE _____ SOURCE 10 AG ARRAY
CHILE 34 768

FORMAT: _
 BPI 625

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
027	2357	697	0481	2225	18	4	12	0	
028	0022	698	0561	1822	18	4	12	0	
028	0045	699	0641	1437	18	4	12	0	
028	0110	700	0721	1465	18	4	12	0	
028	0133	701	0801	1405	18	4	12	0	
028	0157	702	0881	1479	18	4	12	0	
028	0222	703	0961	1400	18	4	12	0	
028	0245	704	1041	1307	18	4	12	0	
028	0309	705	1121	1224	18	4	12	0	
028	0334	706	1201	1106	18	4	12	0	
028	0357	707	1281	817	18	4	12	0	
028	0422	708	1361	735	18	4	12	0	
028	0445	709	1441	588	18	4	12	0	
028	0510	710	1521	423	18	4	12	0	1529 - GUN #5 OUT OF WATER END CHILE 33 FILE 1622
028	0534	711	1601	-	-	-	-	-	END CHILE 33 FILE 1622 767
028	0549	712	001	149	18	4	12	0	START CHILE 34 768
"	0612	713	0081	136	18	4	12	0	RECORD AT 1600 BPI
028	0623	714	0111	154	18	4	12	0	
028	0646	715	0191	143	18	4	12	0	ABORTED NO DATA

CRUISE 2901AREA TRIPLE JUNCTION

FORMAT:

LINE NO CHILE 34/35

LINE TYPE _____

SOURCE 10 AG ARRAYBPI 625L768/769

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
028	0650	716 716	205	140	18	4	12	0	STARTED LATE ABOUT 20 SHOTS MISSED
028	0713	718 718	283	134	18	4	12	0	Total = 717
028	0733	718	001	145	18	4	12	0	FIRING AT REDUCED PRESSURE CAN 5 OUT
028	0754	719	081	1143	18	4	12	0	
028	0820	720	161	—	18	4	12	0	
028	0844	721	241	1231	18	4	12	0	
028	0808	722	321	1791	18	4	12	0	
028	0932	723	401	1943	18	4	12	0	
028	0956	724	481	2117	18	4	12	0	
028	1020	725	582	—	18	4	12	0	
028	1044	726	641	2222	18	4	12	0	
028	1109	727	721	2888	18	4	12	0	
028	1133	728	0801	1369	18	4	12	0	
028	1157	729	0881	1060	18	4	12	0	
028	1221	730	0961	1413	18	4	12	0	
028	1244	931	1041	2241	18	4	12	0	
028	1304	732	1121	2267	18	4	12	0	
028	1332	733	1201	2614	18	4	12	0	
028	1357	734	1281	2828	18	4	12	0	

CRUISE 8501AREA T.R. PL E JUNCTIONFORMAT: LINE NO CHILE 35LINE TYPE SOURCE 10 AG ARRAYBPT 6250769

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
028	1421	735	1361	3184	18	4	12	0	
028	1445	736	1441	2330	18	4	12	0	
028	1509	737	1521	3141	18	4	12	0	
028	1533	738	1601	3389	18	4	12	0	1637 - GUN #5 WORKING AGAIN
028	1557	739	1681	2987	18	4	12	0	
028	1621	740	1761	3493	18	4	12	0	GMT 1621Z
028	1645	741	1841	3549	18	4	12	0	
028	1709	742	1921	3594	18	4	12	0	
028	1733	743	2001	3401	18	4	12	0	
028	1757	744	2081	3737	18	4	12	0	
028	1821	745	2161	3733	18	4	12	0	EOL CHILE 35 @ 1837 769
028	1857	746	0001	3796	18	4	12	0	SOL Chile 36 770
028	1920	747	080	3759	18	4	12	0	
028	1944	748	161	3736	18	4	12	0	
028	2008	749	241	3712	18	4	12	0	
028	2033	750	321	3721	18	4	12	0	EOL CHILE 36 @ 2045Z 770
028	2053	751	0001	3742	18	4	12	0	BEGIN CHILE 37 CABLE IN TURN
028	2117	752	080	3748	18	4	12	0	
028	2141	753	161	3732	18	4	12	0	

R/V ConradAND R/V'S CRUISE 2901AREA Triple JunctionDFS IV 236 CHANNELSFORMAT: SEGYLINE NO. CHILE36/
770, 771/37LINE TYPE MCSSOURCE 10 AGBPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH (M)	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
28	2205	754	241	3561	18	4	12	0	
28	2229	755	321	3177	18	4	12	0	
28	2253	756	401	3410	18	4	12	0	
28	2317	757	0481	3413	18	4	12	0	
028	2342	758	0561	3403	18	4	12	0	
028	0006	759	0641	3141	18	4	12	0	
029	0029	760	0721	3005	18	4	12	0	
029	0053	761	0801	3219	18	4	12	0	
029	0117	762	0881	2582	18	4	12	0	
029	0142	763	0961	1982	18	4	12	0	
029	0205	764	1041	1875	18	4	12	0	
029	0229	765	1121	1859	18	4	12	0	
029	0254	766	1204	2375	18	4	12	0	
029	0318	767	1284	2401	18	4	12	0	
029	0342	768	1361	1822	18	4	12	0	
029	0406	769	1441	712	18	4	12	0	
029	0430	770	1521	1031	18	4	12	0	
029	0453	771	1601	1446	18	4	12	0	
029	0517	772	1681	1852	18	4	12	0	

CRUISE 2901AREA TRIPLE JUNCTION

DPS IN

FORMAT: -LINE NO. CHILE 37LINE TYPE MCSSOURCE 10 A6 ARRAYBPI 6250771, 772, 773

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
029	0542	773	1761	2449	18	4	12	0	
029	0606	774	1841	1899	18	4	12	0	
029	0630	775	1921	1839	18	4	12	0	
029	0654	776	2001	1657	18	4	12	0	
029	0717	777	2081	1068	18	4	12	0	
029	0741	778	2161	828	18	4	12	0	
029	0805	779	2241	798	18	4	12	0	
029	0829	780	2321	399	18	4	12	0	END CHILE 37 FILE 2400 771
029	0911	781	001	110	18	4	12	0	BEGIN CHILE 38 772
029	0935	782	081	115	18	4	12	0	
029	0959	783	161	110	18	4	12	0	
029	1023	784	241	107	18	4	12	0	
029	1027	785	255	108	18	4	12	0	
29	1051	786	336	89	18	4	12	0	Tapes 787 & 788 do not exist.
029	1054	789	347	91	18	4	12	0	Shots 335 - 346 lost TD problems
029	1118	790	0427	83	18	4	12	0	
029	1142	791	0507	118	18	4	12	0	End Chile 38 772
029	1204	792	95	18	4	12	0		
	1223	793	98	98	18	4	12	0	BEGIN CHILE 39 TAPE 792 773

CRUISE 1002-901AREA TRIPLE JUNCTIONLINE NO. CHILE 39
773LINE TYPE SOURCE 3861 m³ ARRANFORMAT: BPI 6250

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
029	1223	792	001	98	18	4	12	0	BEGIN CHILE 39 773
029	1247	793	0081	429	18	4	12	0	multiple tape errors - switch drives
029	1250	794	0093	379	18	4	12	0	time is off
029	1314	795	0173	1128	18	4	12	0	mult. T.E. - switch drives
029	1317	796	0181	1069	18	4	12	0	
029	1341	797	0261	1329	18	4	12	0	
029	1405	798	0341	1477	18	4	12	0	
029	1429	799	0421	1444	18	4	12	0	
029	1453	800	0501	1449	18	4	12	0	
029	1517	801	0581	1446	18	4	12	0	
029	1541	802	0661	1382	18	4	12	0	
029	1605	803	0741	1210	18	4	12	0	
029	1629	804	0821	939	18	4	12	0	
029	1653	805	0901	1035	18	4	12	0	
029	1718	806	0981	1082	18	4	12	0	
029	1741	807	1061	1708	18	4	12	0	
029	1805	808	1141	2170	18	4	12	0	
029	1829	809	1221	2431	18	4	12	0	
"	1853	810	1301	2540	18	4	12	0	

CRUISE 2901AREA TRIPLE JUNCTIONDFS IV 4FORMAT: SEBPT 6250LINE NO CHILE 39LINE TYPE 773, 774, 775SOURCE 3661 in³ Area

JULIAN DATE JAN	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
029	19:17	811	1381	2912	18	4	12	0	1856 GUN #5 OFF
029	19:41	812	1461	3678	18	4	12	0	
029	20:05	813	1541	3123	18	4	12	0	
029	20:29	814	1621	1428	18	4	12	0	depth 1428
029	20:53	815	1701	3570	18	4	12	0	
029	21:17	816	1781	3693	18	4	12	0	
029	21:41	817	1861	3844	18	4	12	0	LSP 1923
029	22:07	818	0001	3830	18	4	12	0	BOL CHILE 40 CABLE IN TURN 774
029	22:31	819	0081	3839	18	4	12	0	
029	22:55	820	0161	3843	18	4	12	0	
029	23:20	821	0241	7055	18	4	12	0	- BOL CHILE 40 @ SP. 271 - E/N 271 023202
029	23:34	822	221 0001	3844	18	4	12	0	BOL CHILE 41 @ S.P. 0001 - TXBT # A 775
029	23:58	823	0081	3504	18	4	12	0	
030	00:22	824	0161	3737	18	4	12	0	
030	00:46	825	0241	3473	18	4	12	0	
030	01:10	826	0321	3112	18	4	12	0	
030	01:34	827	0401	2684	18	4	12	0	
030	01:58	828	0481	2084	18	4	12	0	
030	02:22	829	0561	1893	18	4	12	0	

CRUISE 2901AREA Triple Junction

DFS IV-

FORMAT: SEBPT 6250LINE NO Chile 41

LINE TYPE _____

SOURCE 3661 m³ array775, 776

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH (M)	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
030	0246	830	0641	2076	18	4	12	0	03 of 2 Gun # 8 off line 5 shots
030	0310	831	0721	1833	18	4	12	0	
030	0334	832	0801	897	18	4	12	0	
030	0358	833	0881	702	18	4	12	0	
030	0422	834	0961	1080	18	4	12	0	
030	0446	835	1041	1281	18	4	12	0	
0030	0522	836	001	1305	18	4	12	0	END CHILE 41 FILE 1120 775 BEGIN CHILE 42 - 776
030	0545	837	0081	1264	18	4	12	0	
030	0609	838	0161	1304	18	4	12	0	
030	0633	839	0241	1405	18	4	12	0	
030	0657	840	0321	1580	18	4	12	0	
030	0721	841	401	1637	18	4	12	0	
030	0745	842	481	1666	18	4	12	0	
030	0809	843	561	1954	18	4	12	0	
030	0833	844	641	1248	18	4	12	0	
030	0857	845	721	1774	18	4	12	0	
030	0921	846	801	2007	18	4	12	0	
030	0945	847	881	1998	18	4	12	0	
030	10:09	848	961	2125	18	4	12	0	

CRUISE 2901AREA Trip Junction

FORMAT: .

LINE NO CHILE 42/43/44 LINE TYPE _____SOURCE 3661 in A/GBPI 6252776, 777, 778

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
30	1033	849	1041	2139	18	4	12	0	
30	1057	850	1121	2091	18	4	12	0	
30	1121	851	1201 1142	1942	18	4	12	0	
30	1145	852	1281	-	18	4	12	0	End Chile 42 776
30	1225	853	001	1125 1125	18	4	12	0	SOL Chile 43 777 Depth ~ 1700 m
30	1247	854	0081	1212	18	4	12	0	End Chile 43 777
30	1305	855	001	1591	18	4	12	0	SOL Chile 44 778
30	1330	856	0080	1454	18	4	12	0	
30	1354	857	0161	1503	18	4	12	0	
30	1418	858	0241	1562	18	4	12	0	
30	1442	859	0321	1517	18	4	12	0	
30	1506	860	0401	1593	18	4	12	0	
30	1530	861	0481	1403	18	4	12	0	
30	1555 1600	862	0561	1450	18	4	12	0	
30	1618	863	0641	2084	18	4	12	0	
30	1643	864	0721	1646	18	4	12	0	
30	1706	865	0801	536	18	4	12	0	
30	1730	866	0881	373	18	4	12	0	
30	1754 1800	867	0961	363	18	4	12	0	time 1754z

CRUISE 2901AREA TRIPLE JUNCTIONFORMAT: -LINE NO. CHILE 44
778LINE TYPE SOURCE 3661 in ³ airgun arrayBPI 625-

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
30	1818	868	1041	914	18	4	12	0	
30	1842	869	1121	955	18	4	12	0	Finish [CHILE 44 778
30	1922	870	0001	939	18	4	12	0	First 57 m tape is 1254 second is 001 779
30	1946	871	0081	1271	18	4	12	0	
30	2010	872	161	1263	18	4	12	0	EOL CHILE # 45 @ S.P. 226 , LEN 226 779
30	2046	873	001	1240	18	4	12	0	ROL CHILE # 46 @ S.P. 0001 780 CABLE IN TURN
30	2100	874	0081	1417	18	4	12	0	
30	2134	875	0161	1580	18	4	12	0	
30	2158	876	0241	1557	18	4	12	0	
30	2223	877	0321	1774	18	4	12	0	
30	2246	878	0401	1532	18	4	12	0	
30	2310	879	0481	1600	18	4	12	0	
30	2334	880	0561	1839	18	4	12	0	
30	2358	881	0641	1929	18	4	12	0	
30	0022	882	0721	1971	18	4	12	0	
31	0046	883	0801	2028	18	4	12	0	
31	0112	884	0881	2055	18	4	12	0	
31	0134	885	0961	2081	18	4	12	0	
31	0158	886	1041	2196	18	4	12	0	

R/V ConradAND R/V'S —CRUISE 2901AREA Triple Junction 2LINE NO SCSC BeamLINE TYPE —SOURCE 80 in³ water gunDFS IV 1 CHANNELSFORMAT: SEGYBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
031	2345	906	0796	2634	12	2	10	0	^{F 796 SP 0814} tape 905 - test tape
032	0015	907	0946	2782	12	2	10	0	^{F 797 SP 0001} switch tapes, - test data recovery
032	0253	908	1734	2633	12	2	10	0	
032	0530	909	2521	3285	12	2	10	0	
032	0810	910	3308	2489	12	2	10	0	
032	1045	911	4095	3297	12	2	10	0	
032	1323	912	4882	3309	12	2	10	0	
032	1601	913	5669	2915	12	2	10	0	
032	1839	914	6456	1990	12	2	10	0	
032	2115	915	7243	3252	12	2	10	0	
032	2352	916	8030	1515	12	2	10	0	
033	0230	917	8817	3025	12	2	10	0	
033	0509	918	9604	307	12	2	10	0	
033	0745	919	0392	3285	12	2	10	0	
033	1055	920	1179	1720	12	2	10	0	
033	1331	921	1766	2610	12	2	10	0	
033	1608	922	2753	1686	12	2	10	0	No data from 17:51 to 18:00 (Seismicity No data file)
033	1846	923	3540	1524	12	2	10	0	File count = 3540 18:02
033	2124	924	4327	2500	12	2	10	0	

R/V ConradAND R/V'S -CRUISE 2901AREA Triple Junction 2LINE NO. SCSC BeamLINE TYPE -SOURCE 80 in³ ~~argon~~ waterDFS IV 1 CHANNELSFORMAT: SEGYBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
34	0000	925	5114	1387	12	4	10	0	
34	0238	926	5901	2478	12	4	10	0	
34	0516	927	6687	2297	12	4	10	0	
34	07:53	928	7473	2070	12	4	10	0	
34	10:30	929	8259	3036	12	4	10	0	
34	1307	930	9045	1328	12	4	10	0	
34	1544	931	9831	1228	12	4	10	0	0000 = 10000
34	1821	932 932	0618	1982	12	4	10	0	Tape # = 932
34	2100	933	1404	1834	12	4	10	0	
34	2316	934	2170 2360	2360	12	4	10	0	
35	0213	935	2976	1029	12	4	10	0	
35	0450 0450	936	3762	2861	12	4	10	0	
35	0728	937	4548	2331	12	4	10	0	
35	1000	938	5334	1645	12	4	10	0	
35	1242	939	6120	2473	12	4	10	0	lost 8 files
35	1520	940	6906	1016	12	4	10	0	
35	1758	941	7692	2496	12	4	10	0	
35	2036	942	8478	1486	12	4	10	0	
35	2312	943	9264	2699	12	4	10	0	

R/V Conrad

AND R/V'S _____

CRUISE 2901AREA Triple JunctionLINE NO. SCSC Beam LINE TYPE _____SOURCE 80 in³ water gunDFS IV 1 CHANNELSFORMAT: SEG YBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	
36	0149	944	0050	2650	12	4	10	0	
36	0426	945	08	2026	12	4	10	0	
36	0430	946	855	2006	12	4	10	0	TRIMMAD! PROPS ABORTED
36	0707	947	1640	1724	12	4	10	0	ON DRIVE B (ADD1)
36	0945	948	2425	2468	12	4	10	0	
36	1221	949	3210	3045	12	4	10	0	
36	1458	950	3995	534	12	4	10	0	
36	1735	951	4780	1382	12	4	10	0	File count = 4780
36	2012	952	5565	3298	12	4	10	0	
36	2249	953	6360	2464	12	4	10	0	
37	0130	954	2145	2635	12	4	10	0	MISSED 10 FILE #11 @ BOT. DUE TO XPT PROB VOID TAPE
037	0133	955	7157	2601	12	4	10	0	12 FILES BAD ON 0 DRIVE - A TO DRIVE A.
037	0409	956	7942	1985	12	4	10	0	TAPE 957 959, 55 56 NOT RECORDED, LABEL PRINTED
037	0647	957	8727	1686	12	4	10	0	TAPE 958 PROBLEM NO MISSING DATA.
37	0923	960	9510	2007	12	4	10	0	
37	1200	961	0298	1553	12	4	10	0	
37	1437	962	1083	3330	12	4	10	0	
37	1715	963	1868	3418	12	4	10	0	From 18:44 to 18:57 No DATA
37	1951	964	2653	3231	12	4	10	0	

AREA: TRIPLE JUNC
 SEG Y
 REELS: 10-1145
 FILES: 145-146
 CLIENT: CANDE
 DIGITON INC.

 JOB# RC2901 0956
 DATE: 037 88
 SP: 036520-036531
 SAMPLE RATE: 1600
 PARTY: YES

RECORDING LOG

PAGE NO. 10

R/U normal

AND R/U'S _____

CRUISE 2901

AREA Triple Jet.

LINE NO SCSC DEAM

LINE TYPE_____

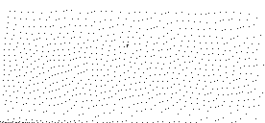
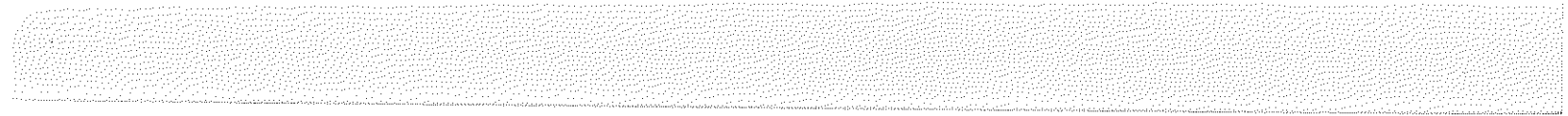
SOURCE 80 m³ Water/gas

DFS IV 1 CHANNELS

FORMAT: SETG

BFI 1600

[illegible]



CRUISE 401 LINE 37 NUMBER OF SHIPS 1 THIS SHIP _____
 CDP _____ COP _____ AIRGUNS ✓ EXPLOSIVES _____

RECEIVING SHIPS CONRAD _____
 NUMBER OF TRACES _____
 GROUP SPACING _____
 SHOOTING SHIPS CONRAD _____
 SHOT INTERVAL _____
 APPROXIMATE SHOT TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>9 JAN 88</u>	<u>1842</u>	<u>36.20'S</u>	<u>74 38'W</u>	<u>001</u>	<u> </u>
END LINE	<u>10 Jan 88</u>	<u>1155</u>	<u>36.19'S</u>	<u>73 04'W</u>	<u>038</u>	<u> </u>
Restart same line	10 JAN 88	1218				

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 3101LINE ENAP 2

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP _____

727AIRGUNS ☒

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 10 JAN 8812:18:4736 19' S73 01' W39END LINE 10 JAN 8812:30:5636 19 S73 00' W39

Restart of ENAP 2 line

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE 2901LINE ENAP 1NUMBER OF SHIPS 1

THIS SHIP _____

CDP _____

COP 728

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

Caribad

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

Caribad

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

010174435 57.572 51.540

END LINE

011132735 53.974 32.774

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CDP _____

COP _____

729

AIRGUNS _____

NUMBER OF SHIPS _____

THIS SHIP CONRAD

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 11 JAN 8618:5336 12.69774 25.50275END LINE 12 JAN 8818:3137 46.86373 45.324134

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE 2901LINE ENAP4NUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 730AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

Conrad

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

13 Jan. 198808:42:3037° 55.273573° 42.956W135001

END LINE

14 Jan 198823:3937° 54.979575° 01.806W172

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CDP _____

COP _____

731

AIRGUNS _____

NUMBER OF SHIPS _____

THIS SHIP Conrad

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

Conrad

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

14 Jan 198800:5537°58.321575°01.517W174

END LINE

15 Jan 88~ 23:0039°16.01673°34.288230

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE NA 707LINE ENAPGNUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 732AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

—

—

—

—

GROUP SPACING

—

—

—

—

SHOOTING SHIPS

Conrad

SHOT INTERVAL

—

—

—

—

APPROXIMATE SHOT

TIME (SEC)

18

—

—

—

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

15 Jan 88602039° 16.01673° 34.288231

END LINE

15 Jan 88182839 14.98175 20.874276

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901 LINE Chile 1 NUMBER OF SHIPS 1 THIS SHIP Conrad
 CDP _____ COP 733 AIRGUNS ✓ EXPLOSIVES _____

RECEIVING SHIPS Conrad _____
 NUMBER OF TRACES _____
 GROUP SPACING _____
 SHOOTING SHIPS Conrad _____
 SHOT INTERVAL _____
 APPROXIMATE SHOT TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>020</u>	<u>04:08</u>	<u>44 14.902</u>	<u>75 07.109</u>	<u>277</u>	<u>—</u>
END LINE	<u>* 20 JAN 87</u>	<u>0925</u> 12	<u>44° 19' 5"</u>	<u>75° 54' W</u>	<u>304 305?</u>	<u>—</u>

NOTE THIS LINE INCLUDED AN ~~END POINT~~ TURN & RAN TO LINE CHILE 2.
 DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901 CHILE LINE 2 NUMBER OF SHIPS _____ THIS SHIP CONRAD
 CDP _____ COP 734 AIRGUNS ✓ EXPLOSIVES _____

RECEIVING SHIPS _____
 NUMBER OF TRACES _____
 GROUP SPACING _____
 SHOOTING SHIPS _____
 SHOT INTERVAL _____
 APPROXIMATE SHOT TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>20 JAN 88</u>	<u>1450Z</u>	<u>44° 27' S</u>	<u>75° 54' W</u>	<u>305</u>	
END LINE	<u>"</u>	<u>2207Z</u>	<u>44° 25' S</u>	<u>75° 08' W</u>	<u>322</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901

CHILL

LINE 2ANUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP ~~734~~ 735AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES _____

GROUP SPACING _____

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT

TIME (SEC) _____

	DATE _____	TIME GMT _____	LATITUDE _____	LONGITUDE _____	DATATAPE NO. _____	LOGTAPE NO. _____
START LINE	<u>20 JUN 88</u>	<u>2218</u>	<u>44° 25'S</u>	<u>75° 08'W</u>	<u>323</u>	_____
END LINE	<u>"</u>	<u>2332</u>	<u>44° 32'S</u>	<u>75° 08'W</u>	<u>325</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

RECEIVING SHIPS

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 20 JAN 882352Z44° 32' S75° 09' W3265END LINE 21 JAN 88070544° 34' S75° 55' W344

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC 2901LINE CRILE 3ANUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 737

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES _____

GROUP SPACING _____

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT

TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>21 JAN 88</u>	<u>0749</u>	<u>44° 36' 5</u>	<u>75° 54' W</u>	<u>345</u>	_____
END LINE	<u>21 Jan 88</u>	<u>10:40</u>	<u>44° 37' 9</u>	<u>75° 37' W</u>	<u>351</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC 2901LINE CHILE 4NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 738

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES _____

GROUP SPACING _____

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT

TIME (SEC) _____

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 21 Jan 8810:4244° 37' 7S77° 37' W352END LINE 21 JAN 88~173044° 12.575° 35.9369DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC29-01LINE CHILE 5NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 739

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES _____

GROUP SPACING _____

→ LINE ABORTED ←

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT
TIME (SEC) _____

DATE _____

TIME
GMT _____

LATITUDE _____

LONGITUDE _____

DATATAPE
NO. _____LOGTAPE
NO. _____START LINE 021173444 13.17675 32.347370END LINE 21 JAN 881821~ 44 16.03~ 75 32.87371DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CDP _____

COP _____

740

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

Conrad[There is no Chilean] LATER

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

022035344 20.01475 48.582372

END LINE

022060244 21.13475 33.320378

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC2901 CHILEG shot after CHILE 7
 LINE CHILE 06 NUMBER OF SHIPS 1 THIS SHIP CONRAD
 CDP _____ COP 741 AIRGUNS _____ EXPLOSIVES _____

RECEIVING SHIPS	_____	_____	_____	_____
NUMBER OF TRACES	_____	_____	_____	_____
GROUP SPACING	_____	_____	_____	_____
SHOOTING SHIPS	_____	_____	_____	_____
SHOT INTERVAL	_____	_____	_____	_____
APPROXIMATE SHOT TIME (SEC)	_____	_____	_____	_____

	DATE _____	TIME GMT _____	LATITUDE _____	LONGITUDE _____	DATATAPE NO. _____	LOGTAPE NO. _____
START LINE	<u>022</u>	<u>0645</u>	<u>44 21.738</u>	<u>75 33.334</u>	<u>379</u>	_____
END LINE	<u>022</u>	<u>1030</u>	<u>44 39.1</u>	<u>75 33.907</u>	<u>398</u>	_____

↑
?

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901 LINE CHILE8 NUMBER OF SHIPS 1 THIS SHIP CONRAD
 CDP _____ COP 742 AIRGUNS 3661 coin EXPLOSIVES _____

RECEIVING SHIPS	_____	_____	_____	_____
NUMBER OF TRACES	_____	_____	_____	_____
GROUP SPACING	_____	_____	_____	_____
SHOOTING SHIPS	_____	_____	_____	_____
SHOT INTERVAL	_____	_____	_____	_____
APPROXIMATE SHOT TIME (SEC)	_____	_____	_____	_____

	DATE _____	TIME GMT _____	LATITUDE _____	LONGITUDE _____	DATATAPE NO. _____	LOGTAPE NO. _____
START LINE	<u>022</u>	<u>1823</u>	<u>45 11.446</u>	<u>75 24.324</u>	<u>399</u>	_____
END LINE	<u>022</u>	<u>2247</u>	<u>45 23.8</u>	<u>75 02.2</u>	<u>409</u>	_____

DISTANCES WHERE APPLICABLE

SHIP _____	AIRGUN TO 1ST RECEIVER _____	MINIRANGER TO AIRGUNS _____	ANTENNA TO 1ST RECEIVER _____	RADIST TO AIRGUNS _____	ANTENNA TO 1ST RECEIVER _____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901LINE CHILE 9NUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 743

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

SHOOTING SHIPS

Conrad

SHOT INTERVAL

18.0 sec

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 022225845 24.575.01.847910END LINE 0231106245° 41' S76° 18' W439

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE 2901LINE CN10010NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 744

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES 236GROUP SPACING 12.5m

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT
TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>023</u>	<u>1129Z</u>	<u>45° 42'S</u>	<u>76° 18' W</u>	<u>440</u>	
END LINE	<u>023</u>	<u>1443Z</u>	<u>45° 57'S</u>	<u>76 08' W</u>	<u>447</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901LINE Chile IINUMBER OF SHIPS 1THIS SHIP Consad

CDP _____

COP 745AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT

TIME (SEC) _____

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

0231501S 45 57.38W 76° 07.00448

END LINE

0232056S 45 49.875 26.2462

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901LINE CHILE 12NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 746AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT

TIME (SEC) _____

DATE _____

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

02322 47S 45 41 312W 75 29 697463

END LINE

024045645° 51.93'S76° 07.76'W477DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE C2901LINE Chile 13NUMBER OF SHIPS 1THIS SHIP RU RD Cervail

CDP _____

COP 747AIRGUNS X

EXPLOSIVES _____

RECEIVING SHIPS _____

NUMBER OF TRACES 230GROUP SPACING 12.5

SHOOTING SHIPS _____

SHOT INTERVAL _____

APPROXIMATE SHOT
TIME (SEC) _____

DATE _____

TIME
GMT _____

LATITUDE _____

LONGITUDE _____

DATATAPE
NO. _____LOGTAPE
NO. _____START LINE 24 JAN 880505Z45° 52'S76° 08'W979END LINE 24 JAN 880705Z46° 01'S76° 04'W982

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC2901LINE C.NILE 14NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 748AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

FSAPPROXIMATE SHOT
TIME (SEC)18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 24 JAN 580725Z46° 02' 576° 03 W483END LINE 27 JAN 581259Z?45 53.4575 25.6492

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC2901LINE Chile 15NUMBER OF SHIPS 1THIS SHIP ConRAD

CDP _____

COP 749AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

ConRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

ConRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 24 JAN 8813:17:19S 45 53.97W 75 24.25498END LINE 24 JAN 8815:08S 46 01.76W 75 23.28502

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC2901LINE Chile 16NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 750AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

24 Jan 8815:15S 46° 02'W 75° 23503

END LINE

24 Jan 882124S 46 11.25W 76 00.67518

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE 2901LINE CHILEITNUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 751

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5m

SHOOTING SHIPS

Conrad

SHOT INTERVAL

18.0 sec

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

24 Jan222046 15.24 W75 59.97 S519

END LINE

0358'46 10' 575 25' W532

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CDP _____ COP 752 AIRGUNS _____ THIS SHIP _____
 RECEIVING SHIPS CONRAD EXPLOSIVES _____
 NUMBER OF TRACES 238
 GROUP SPACING 12.5
 SHOOTING SHIPS CONRAD
 SHOT INTERVAL 1
 APPROXIMATE SHOT TIME (SEC) 18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>025</u>	<u>0407</u>	<u>46° 10' S</u>	<u>75° 25' W</u>	<u>533</u>	
END LINE	<u>025</u>	<u>0519</u>	<u>46° 16' S</u>	<u>75° 29' W</u>	<u>535</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER

CRUISE RC2901LINE CHILE 19NUMBER OF SHIPS 1

THIS SHIP _____

CDP _____

COP 753

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>025</u>	<u>0528</u>	<u>46° 16' S</u>	<u>75° 25' W</u>	<u>536</u>	_____
END LINE	<u>025</u>	<u>1044</u>	<u>46 22.136</u>	<u>75 59.68</u>	<u>549</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901LINE CAILE20NUMBER OF SHIPS 1

THIS SHIP _____

CDP _____

COP 754

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5 m

SHOOTING SHIPS

Conrad

SHOT INTERVAL

18 sec

APPROXIMATE SHOT

TIME (SEC)

DATE

30

TIME

GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

025105846 22.9776 00.046550

END LINE

025152076 46 24.38475 30.618560DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE 2901 LINE (HILE 21) NUMBER OF SHIPS 1 THIS SHIP Conrad
 CDP _____ COP 755 AIRGUNS _____ EXPLOSIVES _____

RECEIVING SHIPS CONRAD _____
 NUMBER OF TRACES 236 _____
 GROUP SPACING 12.5 m _____

SHOOTING SHIPS CONRAD _____
 SHOT INTERVAL 18 sec _____
 APPROXIMATE SHOT TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>025</u>	<u>1858</u>	<u>46. 20. 619</u>	<u>75. 30. 515</u>	<u>561</u>	_____
END LINE	<u>026</u>	<u>0053 0053</u>	<u>45 42 05</u>	<u>75 47.1 W</u>	<u>583</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

F NO. 3....

CRUISE 2901 LINE CHILE 22 NUMBER OF SHIPS _____ THIS SHIP CONRAD
 CDP _____ COP 756 AIRGUNS _____ EXPLOSIVES _____

RECEIVING SHIPS CONRAD _____
 NUMBER OF TRACES 236 _____
 GROUP SPACING 12.5m _____

SHOOTING SHIPS CONRAD _____
 SHOT INTERVAL 18 sec _____
 APPROXIMATE SHOT TIME (SEC) _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE		<u>0207</u>	<u>4544.20</u>	<u>7553.4</u>	<u>584</u>	
END LINE	<u>026</u>	<u>0630</u>	<u>4602.755</u>	<u>7546.446</u>	<u>595</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901LINE CHILE 23NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 757

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5m

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

18 sec

APPROXIMATE SHOT

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

0260641Z46° 03' S75° 45' W596

END LINE

026075546° 01' S75° 37' W598

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC 2901LINE CHILE 24NUMBER OF SHIPS 1THIS SHIP Comad

CDP _____

COP 758

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

0280801 Z46° 01' S75° 37' W599

END LINE

26103145 48.57 S75 40.49 W605DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

MULTICHANNEL LINE LOG

F NO. 34

CRUISE RC2901LINE CHILE 25

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP 759

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>026</u>	<u>1042.</u>	<u>45° 48' 15</u>	<u>75° 41' W</u>	<u>606</u>	_____
END LINE	<u>026</u>	<u>1515</u>	<u>545° 53'</u>	<u>W 76° 06'</u>	<u>617</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

P NO. 35...

CRUISE RC 2901LINE Chile 26NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 760AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

DATE

JAN 88TIME
GMT1527

LATITUDE

S 45° 52'

LONGITUDE

W 76° 06'DATATAPE
NO.618LOGTAPE
NO.

START LINE

026

END LINE

0261657S 45° 46'W 76° 02'621

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC 2901LINE CHIE 27NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 761AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

234

GROUP SPACING

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

DATE

Jan 26-88TIME
GMT1709

LATITUDE

S 45° 45.991

LONGITUDE

W 76° 02'DATATAPE
NO.622LOGTAPE
NO.

START LINE

026

END LINE

S 46° 38'75° 43'650

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RL2901LINE CHILE 28NUMBER OF SHIPS 1THIS SHIP Comrad

CDP _____

COP 762

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18'

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>027</u>	<u>0443Z</u>	<u>46° 33' S</u>	<u>75° 44' W</u>	<u>651</u>	
END LINE		<u>0735</u>	<u>46° 27' S</u>	<u>76° 04' W</u>	<u>657</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LOG

F NO. 38...

CRUISE PC2901LINE CHILE29

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP 763

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

027074846° 27'S76° 05'W658

END LINE

027~~0748~~ 0833Z46° 30'S76° 07'W659

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RL 2901LINE CA 14F30

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP 764

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

027084246° 31' S76° 06' W660

END LINE

027130446° 41' S75° 42' W670

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC2901LINE Chile 31NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 765AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

336

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>027</u>	<u>13 11</u>	<u>S 46° 42'</u>	<u>W 75° 43'</u>	<u>671</u>	
END LINE	<u>027</u>	<u>18 17 1823</u>	<u>S 46° 51'</u>	<u>W 76° 09</u>	<u>683</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC 2901LINE Chile 32NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 766AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>027</u>	<u>1853</u>	<u>S 46° 52'</u>	<u>W 76° 10'</u>	<u>684</u>	_____
END LINE	<u>027</u>	<u>2125</u>	<u>S 47° 04.718'</u>	<u>W 76 11-786</u>	<u>690</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

PR NO. 42CRUISE 2907LINE CHILE 33NUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 767AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

Conrad

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>27</u>	<u>2133</u>	<u>S 47° 05' 12"</u>	<u>76° 11' 17"</u>	<u>691</u>	_____
END LINE	<u>28</u>	<u>0540</u>	<u>47° 20' 5"</u>	<u>75° 31' W</u>	<u>711</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE 2901 LINE CHILE 34 NUMBER OF SHIPS 1 THIS SHIP CONRAD
 CDP _____ COP 768 AIRGUNS ✓ EXPLOSIVES _____

RECEIVING SHIPS CONRAD _____
 NUMBER OF TRACES 231 _____
 GROUP SPACING 12.5 _____
 SHOOTING SHIPS CONRAD _____
 SHOT INTERVAL _____
 APPROXIMATE SHOT TIME (SEC) 18 _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>028</u>	<u>0549</u>	<u>S 47° 20.4'</u>	<u>W 75° 30.75'</u>	<u>712</u>	
END LINE	<u>028</u>	<u>0726</u>	<u>47° 28'S</u>	<u>75° 32'W</u>	<u>717</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

F NO. 44..

CRUISE PC2901LINE CH14-35

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP 769

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CANR10

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CANR10

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

	DATE _____	TIME GMT _____	LATITUDE _____	LONGITUDE _____	DATATAPE NO. _____	LOGTAPE NO. _____
START LINE	<u>028</u>	<u>0733</u>	<u>47° 28' S</u>	<u>75° 32' W</u>	<u>718</u>	_____
END LINE	<u>028</u>	<u>1838</u>	<u>S 47° 38</u>	<u>W 76° 47'</u>	<u>745</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

F NO 45....CRUISE RC 2901LINE Chile 36NUMBER OF SHIPS 1THIS SHIP CUNRAD

CDP _____

COP 770AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CUNRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CUNRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>028</u>	<u>1857</u>	<u>S 47° 39'</u>	<u>W 76° 45'</u>	<u>746</u>	_____
END LINE	<u>028</u>	<u>2045</u>	<u>S 47° 47'</u>	<u>W 76 45'</u>	<u>750</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

POST NO. 46CRUISE RC 2901LINE CHILE 37NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 771AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>028 Jan.</u>	<u>2053</u>	<u>47° 47' S</u>	<u>76° 45' W</u>	<u>751</u>	<u>N/A</u>
END LINE	<u>29 JAN 1988</u>	<u>08542</u>	<u>76° 45' W</u> <u>47° 43' S</u>	<u>75° 36' W</u>	<u>780</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

F NO. 47.

CRUISE 2901 LINE CHILE 38 NUMBER OF SHIPS 1 THIS SHIP CONRAD
 CDP _____ COP 772 AIRGUNS ✓ EXPLOSIVES _____

RECEIVING SHIPS CONRAD _____
 NUMBER OF TRACES 236 _____
 GROUP SPACING 12.5 _____
 SHOOTING SHIPS CONRAD _____
 SHOT INTERVAL _____
 APPROXIMATE SHOT TIME (SEC) 18 _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>029 Jan</u>	<u>0911</u>	<u>47° 44'</u>	<u>75° 35'</u>	<u>781</u>	
END LINE	<u>029</u>	<u>1204</u>	<u>547° 56'</u>	<u>W 75° 39'</u>	<u>791</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC 2901LINE Chile 4039NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 773AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

0291220547° 56'W 75° 40'792

END LINE

029 Jan 882141547° 57'W 76° 44'817

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC 2901LINE CHILE 40NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 774AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

Conrad

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

029 Jan 19882207 ZS 47 57.5W 76 45.1818

END LINE

029 Jan 19882304 ZS ~~W~~ 76 48.01.676 46.28202328 Z821

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC2901LINE CHILE 41NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 775AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

36'

GROUP SPACING

125

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT

18

TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

29 JAN 882334822

END LINE

30 JAN 88051148° 03' S76° 04' W835

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

F NO. 51....

CRUISE RC2901LINE CHILE 42

NUMBER OF SHIPS _____

THIS SHIP _____

CDP _____

COP 776

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONADO

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONADO

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>30 Jan 88</u>	<u>0522</u>	<u>48° 02'</u>	<u>76° 03'</u>	<u>836</u>	
END LINE	<u>30 Jan 88</u>	<u>1149</u>	<u>47° 30'</u>	<u>75° 55'</u>	<u>852</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC2901LINE Chile 43NUMBER OF SHIPS 1

THIS SHIP _____

CDP _____

COP 777AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

Conrad

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

	DATE _____	TIME GMT _____	LATITUDE _____	LONGITUDE _____	DATATAPE NO. _____	LOGTAPE NO. _____
START LINE	<u>30 Jan 88</u>	<u>12 23</u>	<u>S 47° 30</u>	<u>W 75° 58'</u>	<u>853</u>	_____
END LINE	<u>30 Jan 88</u>	<u>12 50</u>	<u>S 47° 30</u>	<u>W 76° 01'</u>	<u>854</u>	_____

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CRUISE RC2901LINE Chile 44NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 778AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 030 JAN 881305S 47° 31'W 76° 02'855END LINE 030 Jan 881905S 47° 59W 76 06869

DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER

CRUISE RC 2901LINE CHILE 45NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 779

AIRGUNS _____

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

—

APPROXIMATE SHOT

TIME (SEC)

18

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>030 Jan 88</u>	<u>19:22</u>	<u>S 48.00</u>	<u>W 76.06.8</u>	<u>870</u>	
END LINE	<u>030 JAN 88</u>	<u>20:30</u>	<u>S 48.00</u>	<u>W 75 57.1</u>	<u>872</u>	

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER

CRUISE RC2901LINE CHILE46NUMBER OF SHIPS 1THIS SHIP Conrad

CDP _____

COP 780AIRGUNS ✓

EXPLOSIVES _____

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 030 30 JAN 58204647 59.06775 55.76873END LINE 034034047 26.96275 47.82890

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

MULTICHANNEL LINE LOG

PAGE NO. 2 R..

CRUISE RC2901LINE CHILE 47NUMBER OF SHIPS 1THIS SHIP CONRAD

CDP _____

COP 781AIRGUNS 36 bl in³ a/c

EXPLOSIVES _____

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

236

GROUP SPACING

12.5

SHOOTING SHIPS

SHOT INTERVAL

APPROXIMATE SHOT

TIME (SEC)

18

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 031 JAN 88034847 26.54275 47.831891END LINE 031 Jan 88090247 01.72175 48 983903DISTANCES WHERE APPLICABLE

SHIP

AIRGUN
TO
1ST RECEIVERMINIRANGER
TO
AIRGUNSANTENNA
TO
1ST RECEIVERRADIST
TO
AIRGUNSANTENNA
TO
1ST RECEIVER