

RECORDING LOG

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RV ConradAND RV'S HAIYANG 4CRUISE 26-12AREA China MarginLINE NO. 588LINE TYPE WACDPSOURCE airgun arrayDFS IV 28 CHANNELSFORMAT: 9T ^{SEG 3}BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH m. m.	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
296	1502	8729	001	100 200	30 20	4	20	0	Start Line 588 WACDP
296	1532	8729	061	95 190					
296	1532	8730	062	95 190					DT1=52 DT2=41 DT3=38 DT4=37 DT5=44 DT6=40
296	1605	8730	124	110 228					
296	1606	8731	125	110 225	30	4	20	0	DT1=40, 40, 44, 40, 40, 44
296	1635	8731	185	100	30	4	20	0	DT1=40, 40, 40, 40 (DT2=45), DT7=40
296	1635	8732	186	100					
296	1705	8732	247	200					DT=40 except DT6+2=45
296	1705	8733	248	200					
296	1736	8733	308	240					DT=40 ALL
296	1736	8734	309	240					
296	1806	8734	370	260					DT=40 except DT2+6=45
296	1806	8735	371	260					
296	1838	8735	431	280					
296	1838	8736	432	280					DT6=52 DT5=40 DT4=40 DT3=39 DT2=45 DT1=40
296	1909	8736	493	290					
296	1909	8738	494	290					DT6=43 DT5=39 DT4=40 DT3=39 DT2=45 DT1=40
296	1939	8739	554	340					
296	1939	8738	555	340					DT6=50 DT5=40 DT4=40 DT3=42 DT2=45 DT1=40

R/V CONRADAND R/V'S HAIYANG #4CRUISE 26-12AREA CHINA MARGINLINE NO 588LINE TYPE WACOP SOURCE AIRGUNS-4DFS IV 23 CHANNELSFORMAT: SEGBBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FTH (m)	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
296	2010	8738	616	355	30	4	20	0	DT 6=57, DT 5=DT 3=DT 1=40, ^{DT 2=45} DT 2=45 , DT 4=40
296	2010	8739	617	355					
296	2041	8739	677	345	30	4	20	0	DT 6=47, DT 5=40, DT 4=40, DT 3=40, DT 2=45, DT 1=40
296	2041	8740	678	345					
296	2112	8740	739	350	30	4	20	0	45 40 37 37 44 42
296	2112	8741	740	350					
296	2143	8741	800	390	30	4	20	0	
296	2143	8742	801	390					50 42 41 44 46 42
296	22:13	8742	862	415	30	4	20	0	
296	22:13	8743	863	415					48 42 40 38 43 38
296	22:44	8743	923	455					
296	22:44	8744	924	455	30	4	20	0	47 38 37 39 45 40
296	23:15	8744	985	515					
296	23:15	8745	986	515	30	4	20	0	40 39 38 40 44 40
296	23:45	8745	1047	570					
296	23:45	8746	1048	570	30	4	20	0	45 40 38 40 45 40
297	00:16	8746	1109	645					I FOUND THE TAPE ID# AT 8749 WHILE THIS TAPE WAS ON. NOT SURE WERE MISTAKE WAS MADE.
297	00:16	8746	1109	645	30	4	20	0	40 38 37 40 44 40
297	00:16	8750	1110	645					TAPE ID# IS 8750

R/V CONRADAND R/V'S HAIYANG #4CRUISE 26-12AREA CHINA MARGINLINE NO. 588LINE TYPE WACOASOURCE AIR-GUNS - 4DFS IV 18 CHANNELSFORMAT: SEG BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
297	0047	8747	1170	700	30	4	20	0	6-40 5-40 4-38 3-42 2-46 1-39
297	0047	8748	1171						TAPE 10# 15 8751 (A)
297	0118	8748	1232	675	20	4	20	0	6-48 5-38 4-34 3-38 2-44 1-38
297	0118	8749	1233						TAPE 10# 15 8751 (B)
297	0148	8749	1293	900	30	4	20	0	6-48 5-41 4-37 3-39 2-40 1-42
297	0140	INCREASED DEPTH OF STREAMER TO 50 FEET							TAPE 10# 15 8751 (C)
297	0048	8750	1294						A SHIP CROSSING OVER STREAMER (TURNED AWAY)
297	0219	8750	1355	970	30	4	20	0	6-46 5-40 4-36 3-39 2-45 1-40
297	0219	8751	1356						TAPE 10# 15 8751 (D)
297	0250	8751	1416	820	30	4	20	0	6-43 5-38 4-37 3-40 2-45 1-40
297	0250	8752	1417	820					TAPE 10# 15 8752 OK!!
297	0321	8752	1478						6-44 5-39 4-37 3-40 2-45 1-40
297	0321	8753	1479	800	30	4	20	0	GOING TO 3 GUN OPERATION FOR MAINTANANCE
297	0351	8753	1539						354 BACK ON 4 GUNS
297	0351	8754	1540	850	30	4	20	0	6-45 5-36 4-40 3-40 2-45 1-43
297	0422	8754	1601						
297	0422	8755	1602	980	30	4	20	0	6-46 5-42 4-40 3-41 2-45 1-40
297	0453	8755	1602						
297	0453	8756	1663	960	30	4	20	0	6-40 5-42 4-40 3-45 2-47 1-45

RV Cirad
 CRUISE 26-12
 LINE NO 588

 AND RV'S Haiyang #4
 AREA China Margin
 LINE TYPE WACDP SOURCE Airguns-4

 DFS IV 3 CHANNELS
 FORMAT: SEG B
 BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
297	0524	8756	1724		30	4	20	0	6-45 5-44 4-42 3-44 2-45 1-43
10/24	0524	8757	1725	1090					launched sonobouy 0552 ~1782 file count (sonobouy #1)
	0554	8757	1785		30	4	20	0	6-40 5-40 4-40 3-43 2-
	0554	8758	1786	1155					
	0625	8758	1847		30	4	20	0	
	0625	8759	1848	1070					
	0656	8759	1908		30	4	20	0	
	0656	8760	1909	1105					File 1916 large sin waves towards end of recording?
	0727	8760	1970		30	4	20	0	
	0727	8761	1971	1240					
	0757	8761	2032		30	4	20	0	6-35 5-40 4-40 3-47 2-47 1-45
	0757	8762	2033	1205					
	0828	8762	2094		30	4	20	0	
	0828	8763	2095	1230					
	0859	8763	2155		30	4	20	0	
	0859	8764	2156	1280					6-44 5-40 4-39 3-43 2-46 1-40
	0929	8764	2217		30	4	20	0	
10/24	0930	8765	2218	1360					6-41 5-41 4-39 3-44 2-48 1-43
297	1000	8765	2278		30	4	20	0	

RV CUNRADAND RV'S HAIYANG #4DFS IV 3 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEGBLINE NO. 588LINE TYPE WACDPSOURCE AIR GUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FTH M	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
10/24									
297	1000	8766	2279	1475	30	4	20	0	6-39 5-39 4-36 3-42 2-45 1-40
297	1030	8766	2340						
297	1030	8767	2341	1710	30	4	20	0	6-39 5-40 4-40 3-43 2-45 1-41
297	1102	8767	2401						
297	1102	8768	2402	2230	30	4	20	0	6-39 5-40 4-39 3-39 2-41 1-43
297	1133	8768	2463						
297	1133	8769	2464	2375	30	4	20	0	6-45 5-40 4-35 3-40 2-41 1-42
297	1203	8769	2524						
297	1203	8770	2525	2390	30	4	20	0	6-53 5-44 4-40 3-42 2-46 1-39
297	1234	8770	2586						
297	1234	8771	2587	2385	30	4	20	0	6-39 5-38 4-37 3-41 2-47 1-42
297	1305	8771	2648						
297	1305	8772	2649	2400	30	4	20	0	6-39 5-38 4-38 3-43 2-47 1-40
297	1336	8772	2710						
297	1336	8773	2711	2455	30	4	20	0	6-39 5-40 4-37 3-42 2-46 1-40
297	1407	8773	2771						LOST ABOUT 11 SHOTS "It wasn't my fault!" "honest"
297	1418	8774	2782	2455	30	4	20	0	6-42 5-40 4-37 3-40 2-46 1-41
297	1449	8774	2837						
297	1449	8775	2838	2580	30	4	20	0	6-38 5-39 4-38 3-43 2-47 1-41

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RV CONRADAND R/V'S HAIYANG #4DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEC BLINE NO. 588LINE TYPE WACDPSOURCE AIR GUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
297	1520	8775	2899						PARITY & SYNC ERRORS 2894-2897
297	1520	8776	2900	2740	30	4	20	0	6-38 5-40 4-37 3-43 2-46 1-40
297	1550	8776	2960						
297	1550	8778	2961	2780	30	4	20	0	6-45 5-42 4-42 3-43 2-47 1-41
297	1622	8777	3023						
297	1622	8778	3024						6-40 5-40 4-35 3-41 2-46 1-40
297	1651	8778	3084	2900					
297	1651	8779	3085						6-40 5-40 4-38 3-42 2-46 1-42
297	1723	8779	3146	2970					
297	1723	8780	3147						6-40 5-40 4-35 3-42 2-45 1-40
297	1754	8780	3207	3020					
297	1754	8781	3208						6-40 5-40 4-37 3-42 2-45 1-41
297	1824	8781	3269	3070					
297	1824	8782	3270						6-40 5-40 4-35 5-42 2-46 1-42
297	1855	8782	3330						
297	1855	8783	3331						6-40 5-40 4-35 3-40 2-45 1-41
297	1925	8783	3391						
297	1925	8784	3392	3100					6-46 5-42 4-35 3-41 2-45 1-41
297	1955	8784	3452						

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R/V CONRADAND R/V'S HAIYANG 4DFS IV 40 CHANNELSCRUISE RC 26-12AREA CHINA MARGINFORMAT: SEGBLINE NO. 588LINE TYPE WACDPSOURCE AIR GUN ARRAYBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FMT (m)	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
297	1955	8788	3453	3030	30	4	20K	0	6-45 5-40 4-35 3-43 2-46 1-42
297	2027	8785	3514	3030	30	4	20K	0	
297	20:27	8786	3515	3215	30	4	20K	0	53 40 30 37 45 40
297	2057	8786	3575	3265					
297	2057	8787	3576	3265	11	11	11	11	49 40 32 43 45 39
297	2078	8787	3637	3387					40 35
2967	2128	8788	3638	3387	"	"	"	"	45 40 35 43 43 47 40
2967	2128	8788	3648	3343					
2967	2159	8789	3649	3343					40 39 35 42 47 43
2967	22:30	8789	3760	3495					
297	22:30	8790	3761	3495					47 40 35 40 45 40
297	2300	8790	3821	3500					> missed 2 shots
297	2302	8791	3822	3500					47 42 34 42 47 44
297	2342	8791	3884	3525					last 4 shots
297	2342	8792	3885						
297	2400	8792	3932						BROKE OFF LINE LOST 2 AIR GUNS

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PAGE NO. (7)BRV CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE RC26-12AREA CHINA MARGINFORMAT: SEGBLINE NO. 589LINE TYPE CDPSOURCE BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
			<u>3933</u>						
<u>10/27</u>	<u>1700</u>	<u>8793</u>	<u>433</u>	<u>2645</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	<u>6-47 5-40 4-43 3-44 2-55 1-46</u>
<u>300</u>	<u>1733</u>	<u>8793</u>	<u>4034</u>						<u>ch 40 sick #ch 39 leakage in common file # 945</u>
	<u>1733</u>	<u>8794</u>	<u>4035</u>	<u>2645</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	<u>very low amp. on monitor</u>
	<u>1808</u>	<u>8794</u>	<u>4136</u>						
	<u>1808</u>	<u>8795</u>	<u>4137</u>	<u>2605</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>1842</u>	<u>8795</u>	<u>4238</u>						
	<u>1842</u>	<u>8796</u>	<u>4239</u>	<u>2590</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>1915</u>	<u>8796</u>	<u>4340</u>						
	<u>1915</u>	<u>8797</u>	<u>4341</u>	<u>2565</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>1950</u>	<u>8797</u>	<u>4441</u>						
	<u>1950</u>	<u>8798</u>	<u>4442</u>	<u>2475</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>2024</u>	<u>8798</u>	<u>4553</u>						<u>6-27, 5-37, 4-44, 3-46, 2-57, 1-47</u>
	<u>2024</u>	<u>8799</u>	<u>4654</u>	<u>2460</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>2057</u>	<u>8799</u>	<u>4644</u>						<u>6-30, 537, 4-44, 3-47, 2-57, 1-47</u>
	<u>2057</u>	<u>8800</u>	<u>4645</u>	<u>2500</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
	<u>2138</u>	<u>8800</u>	<u>4746</u>						<u>6-35, 5-40, 4-43, 3-47, 2-56, 1-46</u>
<u>✓</u>	<u>2138</u>	<u>8801</u>	<u>4747</u>	<u>2270</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	
<u>300</u>	<u>2204</u>	<u>8801</u>	<u>4847</u>						<u>6-30, 5-37, 4-43, 3-46, 2-56, 1-46</u>
<u>10/27</u>	<u>2204</u>	<u>8802</u>	<u>4848</u>	<u>2005</u>	<u>20</u>	<u>4</u>	<u>12</u>	<u>0</u>	

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R/V CONRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 589LINE TYPE CDPSOURCE AIRGUNSDFS IV 8 CHANNELSFORMAT: SEGBBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
300	22:39	8802	4949	20	20	4	12	0	
	22:39	8803	4950	2200					6-33, 5-37, 4-45, 3-47, 2-56, 1-47
	23:12	8803	5051	2070	"	"	"	"	
	23:12	8804	5052	2070					6-35, 5-36, 4-45, 3-47, 2-57, 1-47
✓	23:46	8804	5153	2100	20	4	12	0	
300	23:46	8805	5154	2200					6-25, 5-35, 4-44, 3-45, 2-57, 1-45
28 OCT 85 301	00:18	8805	5230	1200	20	4	12	0	DFS IV MISSING SHOTS - BECAUSE DATA LOGGER ON WRONG MOD.
301	00:18	8806	5231	1200					6-36, 5-38, 4-44, 3-47, 2-58, 1-48
	00:57	8806	5333	2250	20	4	12	0	{FROM SP-5231 TO 5318 RANDOMISER NOT ON.}
	00:57	8807	5334	2250					6-38 5-38 4-43 3-47 2-58 1-46
	01:31	8807	5432	2760	20	4	12	0	
	01:31	8808	5433	2760					6-39 5-39 4-44 3-47 2-58 1-47
	02:04	8808	5534	2100	20	4	12	0	
	02:04	8809	5535	2100					6-38 5-40 4-44 3-48 2-57 1-48
	02:38	8809	5635	2150	20	4	12	0	
	02:38	8810	5636	2150					6-37 5-39 4-44 3-48 2-57 1-48
	03:12	8810	5738	3745	20	4	12	0	
	03:12	8811	5739	3745					6-38 5-40 4-44 3-48 2-58 1-47
	03:46	8811	5838	3745	20	4	12	0	

RV CONRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 589LINE TYPE CDPSOURCE AIRGUNSDFS IV 18 CHANNELSFORMAT: SEG. BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
301	03:46	8812	5839	3745	20	4	12	0	6-36 5-42 4-45 3-48 2-57 1-47
10/28	0420	8812	5940						
	0420	8813	5941	3580	20	4	12	0	6-36 5-40 4-44 3-47 2-58 1-47
	0453	8813	6041						
	0453	8814	6042	3535	20	4	12	0	6-36 5-40 4-44 3-47 2-58 1-47
	0526	8814	6144						
	0526	8815	6145	3450	20	4	12	0	6-35 5-40 4-45 3-45 2-48 1-58
	0603	8815	6245						
	0603	8816	6246	3485	20	4	12	0	6-38 5-40 4-45 3-48 2-57 1-48
	0636	8816	6347						
	0636	8817	6348	3490	20	4	12	0	6-34 5-38 4-43 3-47 2-57 1-47
	0709	8817	6448						
	0709	8818	6449	3490	20	4	12	0	6-38 5-41 4-47 3-47 2-57 1-47
	0742	8818	6550						
	0742	8819	6551	3485	20	4	12	0	6-37 5-40 4-44 3-47 2-57 1-47
✓	0816	8819	6651						
	0816	8820	6652	3510	20	4	12	0	6-36 5-40 4-44 3-48 2-57 1-47
301	0852	8820	6753						
10/28	0852	8821	6754	3520	20	4	12	0	6-37 5-40 4-44 3-47 2-57 1-47

R/V CONRADAND R/V'S DFS IV CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG.BLINE NO 589LINE TYPE CDPSOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
301 10/28	0924	8821	6854		20	4	12	0	
	0924	8822	6855	3525					6-37 5-40 4-45 3-50 2-58 1-47
	0958	8822	6956						
	0958	8823	6957	4280	20	4	12	0	6-36 5-40 4-45 3-50 2-58 1-46
	1032	8823	7058						
	1032	8824	7059	4290	20	4	12	0	6-38 5-42 4-45 3-50 2-58 1-48
	1106	8824	7160						
	1106	8825	7161	4296	20	4	12	0	6-38 5-42 4-45 3-49 2-58 1-49
	1140	8825	7261						
	1140	8826	7262	4295	20	4	12	0	6-39 5-42 4-45 3-48 2-58 1-48
	12:13	8826	7363						
	12:13	8827	7364	4288	20	4	12	0	6-40 5-42 4-45 3-49 2-58 1-47
	12:47	8827	7464						
	12:47	8828	7465	4290	20	4	12	0	6-40 5-42 4-44 3-49 2-58 1-48
	13:21	8828	7566						
	13:21	8829	7567	4298	20	4	12	0	6-40 5-42 4-45 3-48 2-58 1-48
	13:54	8829	7567						
↓	13:54	8830	7668	4300	20	4	12	0	6-40 5-42 4-45 3-50 2-58 1-47
	14:28	8830	7768						

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JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
28 OCT 85 301	14:28	8831	7769	4200	20	4	12	0	6-39 5-40 4-42 3-45 2-53 1-43
	15:02	8831	7869						
301	15:02	8832	7870	4300	20	4	12	0	6-42 5-41 4-42 3-44 2-54 1-44
	15:36	8832	7970						
301	15:36	8833	7972	4303	20	4	12	0	6-38 5-40 4-41 3-44 2-54 1-43
	16:10	8833	8073						
301	16:10	8834	8074	4305	20	4	12	0	6-39 5-40 4-40 3-43 2-53 1-43
	16:44	8834	8175						
301	16:44	8835	8176	4305	20	4	12	0	6-40 5-40 4-41 3-44 2-54 1-43
	17:18	8835	8275						
301	17:18	8836	8276	4305	20	4	12	0	6-40 5-40 4-41 3-44 2-54 1-44
	17:52	8836	8377						
301	17:52	8837	8378	4305	20	4	12	0	6-40 5-40 4-43 3-44 2-54 1-44
	18:24	8837	8477						
301	18:24	8838	8478	4305	20	4	12	0	6-39 5-39 4-40 3-44 2-53 1-43
	18:58	8838	8579						
301	18:58	8839	8580	4305	20	4	12	0	6-40 5-40 4-42 3-45 2-53 1-43
	19:32	8839	8679						
301	19:32	8840	8680	4305	20	4	12	0	6-40 5-40 4-40 3-45 2-53 1-43

RECORDING LOG

PAGE NO. (12)RV CONRADAND R/V'S /DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEF-BLINE NO. 589LINE TYPE CDP SOURCE AIRGUNSSFI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
301	2006	8840	8781		20	4	12	0	
	2006	8841	8782	4315					6-40 5-40 4-41 3-45 2-53 1-42
	2040	8841	8882						
	2040	8842	8883	4310	20	4	12	0	6-39 5-39 4-38 3-46 2-54 1-43
	2114	8842	8984						
	2114	8843	8985	4310	20	4	12	0	6-39 5-41 4-45 3-49 2-55 1-45
	2138	8843	9060						BAD TAPE 3/17/86
	2138	8844	9061	4310	20	4	12	0	6-38 5-39 4-43 3-45 2-53 1-44
	2213	8844	9162						
	2213	8845	9163	4310	20	4	12	0	6-37 5-40 4-43 3-45 2-53 1-45
	2245	8845	9263						1
	2245	8846	9264	4310	20	4	12	0	6-37 5-39 4-42 3-45 2-53 1-44
	2320	8846	9365						
	2320	8847	9366	4310	20	4	12	0	6-35 5-40 4-43 3-43 2-53 1-44
✓	2354	8847	9466						
301	2354	8848	9467	4120	20	4	12	0	6-38 5-40 4-43 3-46 2-53 1-44
29 OCT 302	00:28	8848	9568						
	00:28	8849	9568	4320	20	4	12	0	6-38 5-40 4-42 3-45 2-53 1-43
	01:01	8849	9669						

RECORDING LOG

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R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEGS.BLINE NO. 589LINE TYPE CDPSOURCE AIRGUNSBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
302	01:01	8850	9670	4302	20	4	12	0	6-37 5-39 4-41 3-45 2-54 1-44
	01:35	8850	9771						
	01:35	8851	9772	2700	20	4	12	0	6-38 5-40 4-42 3-45 2-54 1-43
	02:09	8851	9872						
	02:09	8852	9873	900	20	4	12	0	6-37 5-40 4-42 3-45 2-54 1-43
	02:43	8852	9974						
	02:43	8853	9975	2550	20	4	12	0	6-35 5-39 4-42 3-45 2-53 1-43
	03:17	8853	10077						
	03:17	8854	10078	3525	20	4	12	0	6-36 5-40 4-43 3-46 2-54 1-45
	03:51	8854	10178						
	03:51	8855	10179	4175	20	4	12	0	6-32 5-48 4-42 3-45 2-54 1-43
302	04:24	8855	10278						
	04:24	8856	10279	4405	20	4	12	0	6-37 5-40 4-41 3-45 2-54 1-43
	04:58	8856	10380						
	04:58	8857	10381	4400	20	4	12	0	6-35 5-38 4-41 3-45 2-53 1-43
	05:32	8857	10481						
	05:32	8858	10482	4365	20	4	12	0	6-35 5-39 4-41 3-45 2-53 1-43
	06:05	8859	10583						
302	06:05	8859	10584	4367	20	4	12	0	6- 5- 4- 3- 2- 1-

RECORDING LOG

PAGE NO. (14)

RV CONRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 589LINE TYPE CDPSOURCE AIRGUNSDFS IV 4 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
302	06:38	8859	10683						
	06:38	8860	10684	4367	20	4	12	0	6-35 5-40 4-41 3-45 2-53 1-43
	07:13	8860	10785						
302	07:13	8861	10786	3990	20	4	12	0	6-34 5-40 4-40 3-45 2-52 1-42
	07:47	8861	10886						
	07:47	8862	10887	4370	20	4	12	0	6-35 5-40 4-41 3-45 2-53 1-44
	08:21	8862	10988						
302	08:21	8863	10989	4370	20	4	12	0	6-40 5-42 4-42 3-45 2-55 1-45
	08:55	8863	20090						LABORQUE SB RECOVER ON AUX 1
	08:55	8864	20091	4370	20	4	12	0	6-39 5-39 4-41 3-45 2-53 1-43
302	09:28	8864	11192						
	09:28	8865	11193	4370	20	4	12	0	6-35 5-40 4-40 3-45 2-53 1-44
	10:03	8865	11292						
302	10:03	8866	11293	4370	20	4	12	0	6-39 5-42 4-43 3-45 2-50 1-44
	10:36	8866	11394						
	10:36	8867	11395	4365	20	4	12	0	6-37 5-40 4-42 3-45 2-53 1-44
	11:10	8867	11495						
	11:10	8868	11496	4365	20	4	12	0	6-39 5-40 4-40 3-45 2-53 1-43
302	11:44	8868	11597						

RECORDING LOG

PAGE NO. 1151RV CUNRADAND R/V'S ✓CRUISE 26-12AREA CHINA MARGINLINE NO. 589LINE TYPE LDPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-13BPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
302	11:44	8869	11598	4365	20	4	12	0	6-35 5-40 4-41 3-45 2-58 1-43
	12:17	8869	11698						
	12:17	8870	11699	4365	20	4	12	0	6-37 5-42 4-42 3-44 2-54 1-43
	12:17	8870	11699						
	12:51	8870	11800						
	12:51	8871	11801	4365	20	4	12	0	6-31 5-39 4-42 3-45 2-53 1-43
	13:25	8871	11901						
	13:25	8872	11902	4240	20	4	12	0	6-38 5-41 4-41 3-44 2-53 1-43
	13:59	8872	12004						
	13:59	8873	12005	4355	20	4	12	0	6-36 5-40 4-42 3-45 2-54 1-44
	14:32	8873	12105						
	14:32	8874	12106	4368	20	4	12	0	6-39 5-40 4-41 3-45 2-53 1-43
	15:06	8874	12207						
	15:06	8875	12208	4367	20	4	12	0	6-39 5-42 4-42 3-44 2-53 1-43
	15:40	8875	12308						
	15:40	8876	12309	4365	20	4	12	0	6-39 5-40 4-41 3-45 2-54 1-43
✓	16:14	8876	12410						
	16:14	8877	12411	4365	20	4	12	0	6-40 5-41 4-41 3-45 2-54 1-44
302	16:47	8877	12511						

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AND R/V'S _____

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE CDP SOURCE AIRGUNS

BPI 1650[illegible]

RECORDING LOG

PAGE NO. 117R/V CONRADAND R/V'S /CRUISE 26-12AREA CHINA MARGINLINE NO. 589LINE TYPE CDPSOURCE AIRGUNSDFS IV 78 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
302	21:52	8887	13424	4270	20	4	12	0	6-35 5-45 4-42 3-46 2-55 1-45
	22:26	8887	13524						
	22:26	8888	13525	4130	20	4	12	0	6-39 5-42 4-43 3-46 2-53 1-44
	23:00	8888	13626						
302	23:00	8889	13627	3900	20	4	12	0	6-39 5-43 4-43 3-45 2-54 1-44
	23:34	8889	13726						
	23:34	8890	13727	3800	20	4	12	0	6-32 5-40 4-43 3-45 2-54 1-44
303	0006	8890	13828						
	0006	8891	13829	3600	20	4	12	0	6-34 5-40 4-42 3-47 2-54 1-44
	0040	8891	13929						
	0040	8892	13930	3300	20	4	12	0	6-36 5-40 4-42 3-47 2-53 1-44
	01:14	8892	14031						
	01:14	8893	14032	2990	20	4	12	0	6-34 5-39 4-41 3-46 2-54 1-44
	01:47	8893	14132						
	01:47	8894	14133	2780	20	4	12	0	6-31 5-40 4-43 3-47 2-54 1-44
	02:21	8894	14234						
	02:21	8895	14235	2625	20	4	12	0	6-35 5-38 4-43 3-47 2-53 1-44
	02:55	8895	14335						
	02:55	8896	14336	2550	20	4	12	0	6-35 5-39 4-43 3-48 2-54 1-44

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE CDP SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG. B

BPI 1600[illegible]

RECORDING LOG

PAGE NO. 119R/V CONRAD

AND R/V'S _____

DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 590LINE TYPE CDP SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
303	05:10	8900	14742	2820	20	4	12	0	START LINE 590. 6-47 5-47 4-44 3-46 2-54 1-45
	05:44	8900	14843						
	05:44	8901	14844	2820	20	4	12	0	6-35 5-40 4-41 3-46 2-54 1-44
	06:18	8901	14944						
	06:18	8902	14945	2810	20	4	12	0	6-35 5-41 4-42 3-47 2-54 1-44
	06:52	8902	15046						
	06:52	8903	15047	2805	20	4	12	0	6-35 5-40 4-40 3-46 2-53 1-44
	07:24	8903	15147						
	07:24	8904	15148	2800	20	4	12	0	6-34 5-40 4-41 3-46 2-54 1-44
	08:00	8904	15249						
	08:00	8905	15250	2810	20	4	12	0	6-36 5-41 4-42 3-42 2-54 1-44
	08:34	8905	15350						
	08:34	8906	15351	2815	20	4	12	0	6-30 5-40 4-42 3-47 2-55 1-43
	09:07	8906	15452						
	09:07	8907	15453	2800	20	4	12	0	6-35 5-42 4-42 3-46 2-54 1-45
	09:41	8907	15553						
	09:41	8908	15554	2725	20	4	12	0	6-38 5-42 4-42 3-42 2-54 1-45
	10:15	8908	15656						
303	10:15	8909	15657	2300	20	4	12	0	6-38 5-42 4-43 3-48 2-55 1-45

A circular diagram with a dashed outer boundary and a solid inner boundary. The circle is divided into five segments by radial lines. The segments are labeled with percentages: 10% at the top, 20% on the right, 30% at the bottom, 20% on the left, and 10% at the top-left. The segments are shaded with different patterns: the top segment has horizontal lines, the right segment has vertical lines, the bottom segment has diagonal lines, the left segment has a grid pattern, and the top-left segment has a wavy pattern.

20.

R/U LDNRAD

AND R/V'S

CRUISE 16-12

AREA china margin

LINE NO 590

LINE TYPE CDP

SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG-13

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. (21)R/V CONRADAND R/V'S ✓CRUISE 26-12AREA CHINA MARGINLINE NO. 591LINE TYPE CDPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-13BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
303	11:46	8910	15740	2175	20	4	12	0	START THIS LINE 591. 6-40, 43, 42, 48, 55, 1-45
	12:21	8910	15843						
	12:21	8911	15844	2500	20	4	12	0	6-39 5-42 4-42 3-47 2-54 1-44
	12:55	8911	15846						MISSED 1 SHOT BETWEEN TAPE CHANGE
	12:55	8912	15947	2250	20	4	12	0	6-39 5-42 4-42 3-47 2-55 1-45
	13:29	8912	16048						
	13:29	8913	16049	2100	20	4	12	0	6-37 5-42 4-44 3-47 2-54 1-44
	14:03	8913	16149						
	14:03	8914	16150	2750	20	4	12	0	6-39 5-42 4-43 3-47 2-55 1-45
	14:37	8914	16251						
	14:37	8915	16252	2580	20	4	12	0	6-39 5-42 4-44 3-47 2-55 1-45
	15:10	8915	16352						
	15:10	8916	16353	2140	20	4	12	0	6-39 5-42 4-43 3-47 2-54 1-44
	15:44	8916	16454						
	15:44	8917	16455						A SCREW UP ON 8917 (LOST 2 SHOTS)
	15:49	8917	16462						
	15:49	8918	16462	2280	20	4	12	0	6-38 5-42 4-43 3-45 2-55 1-44
	16:22	8918	16563						
	16:22	8919	16564	2390	20	4	12	0	6-39 5-40 4-42 3-46 2-55 1-44

RECORDING LOG

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R/V CONRADAND R/V'S /CRUISE 26-12AREA CHINA MARGINLINE NO. 591LINE TYPE CDPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
303	16:56	8919	16664						
	16:56	8920	16665	2430	20	4	12	0	6-40 5-42 4-42 3-46 2-55 1-44
	17:30	8920	16766						
	17:30	8921	16767	2538	20	4	12	0	6-40 5-42 4-43 3-47 2-55 1-45
	18:03	8921	16868						
303	18:03	8922	16868	2350	20	4	12	0	6-40 5-42 4-43 3-46 2-55 1-45
	18:37	8922	16969						
	18:37	8923	16970	2545	20	4	12	0	6-40 5-43 4-43 3-45 2-55 1-46
	19:11	8923	17071						
303	19:11	8924	17072	2100	20	4	12	0	6-40 5-44 4-43 3-46 2-55 1-45
	19:44	8924	17173						
	19:44	8925	17174	2305	20	4	12	0	6-40 5-44 4-45 3-47 2-55 1-44
	20:19	8925	17273						
	20:19	8926	17274	2410	20	4	12	0	6-40 5-42 4-42 3-46 2-55 1-44
	20:52	8926	17375						
	20:52	8927	17376	1950	20	4	12	0	6-40 5-42 4-42 3-46 2-55 1-44
	21:26	8927	17475						
	21:26	8928	17476	2160	20	4	12	0	6-45 5-45 4-42 3-45 2-55 1-43
	21:00	8928	17577						

RV CONRADAND R/V'S /CRUISE 26-12AREA CHINA MARGINLINE NO 591LINE TYPE CDPSOURCE AIRGUNSDFS IV 40 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH M.	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS					
303	22:00	8929	17578	2280	20	4	12	0	6-45	5-43	4-43	3-46	2-51	1-45
	22:33	8929	17678											
	22:33	8930	17679	2370	20	4	12	0	6-45	5-43	4-43	3-45	2-50	1-45
	23:08	8930	17780											
	23:08	8931	17781	2520					6-45	5-42	4-42	3-45	2-50	1-44
	23:42	8931	17881											
	23:42	8932	17882	2585					6-46	5-43	4-44	3-46	2-55	1-43
st. 31, 485	304	0016	8932	17984										
	0016	8933	17985	2760	"	"	"	"	6-44	5-40	4-41	3-45	2-54	1-44
	0049	8933	18085											
	0049	8934	18086	2620					6-44	5-41	4-42	3-46	2-55	1-44
	0123	8934	18187						6-45	5-42	4-42	3-45	2-55	1-44
	0123	8935	18188	2400	20	4	12	0						
	0157	8935	18288											
	0157	8936	18289	2505	20	4	12	0	6-39	5-40	4-42	3-45	2-55	1-44
	0230	8936	18390											
	0230	8937	18391	3300	20	4	12	0	6-38	5-40	4-42	3-45	2-54	1-44
	0304	8937	18491											
	0304	8938	18492	4020	20	4	12	0	6-37	5-40	4-42	3-46	2-54	1-44

RECORDING LOG

PAGE NO. 34R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG BLINE NO. 591LINE TYPE CDPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
304	0338	8938	18593						
	0338	8939	18594		20	4	12	0	
	0411	8939	18694						
	0411	8940	18695	3615	20	4	12	0	6-34 5-40 4-42 3-46 2-54 1-45
	0446	8940	18796						
304	0446	8941	18797	3615	20	4	12	0	6-34 5-41 4-44 3-48 2-55 1-45
	0519	8941	18896						
	0519	8942	18897	3615	20	4	12	0	6-31 5-39 4-42 3-47 2-55 1-44
	0553	8942	18998						
	0553	8943	18999	3615	20	4	12	0	6-31 5-39 4-43 3-46 2-54 1-44
	0627	8943	19100						
304	0627	8944	19101	3525	20	4	12	0	6-32 5-38 4-42 3-46 2-54 1-44
	0701	8944	19201						
	0701	8945	19202	3615	20	4	12	0	6-35 5-41 4-42 3-47 2-54 1-44
	0734	8945	19302						
	0734	8946	19303	3615	20	K	12	0	6-32 5-40 4-41 3-46 2-54 1-44
	08:08	8946	19404						
	08:08	8947	19405	4365					6-34 5-40 4-42 3-47 2-54 1-45
	08:42	8947	19505						

RV UNRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 571LINE TYPE CDPSOURCE AIRGUNSDFS IV 28 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
304	0842	8948	19506	4360	20	4	12	0	6-31 5-41 4-42 3-42 2-53 1-44
	0916	8948	19607						
	0916	8949	19608	4365	20	4	12	0	6-32 5-40 4-42 3-47 2-55 1-45
	0950	8949	19708						
	0950	8950	19709	4365	20	4	12	0	6-33 5-45 4-42 3-47 2-54 1-44
	1024	8950	19810						
304	1024	8951	19811	4370	20	4	12	0	6-31 5-40 4-42 3-48 2-55 1-44
	1057	8951	19911						
	1057	8952	19912	4370	20	4	12	0	6-31 5-42 4-43 3-48 2-55 1-44
	1131	8952	20014						STOP FOR RAPID STREAMER
304	1352	8953	20016	4365	20	4	12	0	6-50 5-40 4-43 3-43 2-53 1-43
	1426	8953	20116						
	1426	8954	20117	4365	20	4	12	0	6-40 5-40 4-43 3-45 2-54 1-43
	1459	8954	20218						
	1459	8955	20218	4365	20	4	12	0	6-37 5-35 4-42 3-45 2-51 1-44
	1533	8955	20318						
	1533	8956	20319	4365	20	4	12	0	6-31 5-33 4-43 3-45 2-54 1-45
	1607	8956	20420						

RECORDING LOG

PAGE NO. 126R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 591LINE TYPE CDPSOURCE AIR GUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
304	16:07	8957	20421	4225	20	4	12	0	6-33 5-34 4-44 3-47 2-52 1-45
	16:41	8957	20521						6
	16:41	8958	20522	4225	20	4	12	0	6-31 5-32 4-45 3-47 2-53 1-45
	17:15	8958	20623						
	17:15	8959	20624	4228	20	4	12	0	6-31 5-35 4-45 3-46 2-53 1-45
	17:49	8959	20724						
304	17:49	8960	20725	4227	20	4	12	0	6-31 5-32 4-44 3-46 2-53 1-44
	18:22	8960	20826						
	18:22	8961	20827	4227	20	4	12	0	6-39 5-40 4-44 3-46 2-53 1-44
	18:56	8961	20927						
	18:56	8962	20928	4000	20	4	12	0	6-39 5-36 4-44 3-45 2-52 1-45
	19:30	8962	21030						
304	19:30	8963	21031	4195	20	4	12	0	6-36 5-34 4-44 3-46 2-53 1-44
	20:04	8963	21131						
	20:04	8964	21132		20	4	12	0	6-37 5-37 4-44 3-45 2-47 1-44
	20:38	8964	21233						
	20:38	8965	21234	4322	20	4	12	0	6-35 5-34 4-43 3-45 2-52 1-44
	21:12	8965	21334	1					
	21:12	8966	21335	4270					6-35 5-35 4-45 3-46 2-52 1-44

RECORDING LOG

PAGE NO. 124R/V CONRADAND R/V'S ✓CRUISE 26-12AREA CHINA MARGINLINE NO. 591LINE TYPE CDPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
304	21:46	8966	21435						
	21:46	8967	21436	4250	20	4	12	0	6-31 5-33 4-44 3-45 2-52 1-43
	22:19	8967	21536						
	22:19	8968	21537	4312	20	4	12	0	6-37 5-35 4-43 3-44 2-51 1-43
	22:53	8968	21638						
304	22:53	8969	21639	4310	20	4	12	0	6-37 5-36 4-44 3-45 2-53 1-43
	23:28	8969	21739						
	23:28	8970	21740	4290	20	4	12	0	6-36 5-35 4-43 3-43 2-52 1-44
305	00:00	8970	21841						
1 NOV 85	00:00	8971	21842	4295	20	4	12	0	6-37 5-35 4-42 3-45 2-52 1-43
	00:34	8971	21942						
	00:34	8972	21943	4308	20	4	12	0	6-34 5-35 4-42 3-44 2-52 1-44
	01:08	8972	22045						
	01:08	8973	22046	4275	20	4	12	0	6-35 5-35 4-42 3-44 2-52 1-44
	01:42	8973	22146						MISSED 1 SHOT BETWEEN TAPES
	01:42	8974	22147	4305	20	4	12	0	6-31 5-33 4-42 3-43 2-52 1-43
	02:16	8974	22248						
	02:16	8975	22249	4300	20	4	12	0	6-34 5-35 4-42 3-44 2-51 1-42
	02:50	8975	22349						

RECORDING LOG

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RV CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG, BLINE NO 591LINE TYPE CDPSOURCE AIR-GUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
305	02:50	8976	22350	4300	20	4	12	0	6-32 5-34 4-40 3-44 2-42 1-43
	03:24	8976	22451						
	03:24	8977	22452	4290	20	4	12	0	6-31 5-32 4-40 3-44 2-52 1-42
	03:58	8977	22552						
	03:58	8978	22553	4290	20	4	12	0	6-34 5-34 4-39 3-44 2-52 1-43
	04:32	8978	22654						
305	04:32	8979	22655	4230	20	4	12	0	6-31 5-35 4-41 3-44 2-52 1-43
	05:05	8979	22754						
	05:05	8980	22755	4275	20	4	12	0	6-31 5-34 4-41 3-44 2-52 1-44
	05:39	8980	22856						
	05:39	8981	22857	4290	20	4	12	0	6-34 5-35 4-40 3-42 2-52 1-44
	06:12	8981	22956						
305	06:12	8982	22957	3975	20	4	12	0	6-31 5-35 4-40 3-45 2-52 1-44
	06:45	8982	23054						
	06:45	8983	23060	3525	20	4	12	0	6-30 5-34 4-40 3-44 2-52 1-44
	07:20	8983	23160						
	07:20	8984	23161	3155	20	4	12	0	6-34 5-36 4-42 3-46 2-52 1-44
	07:54	8984	23262						
	07:54	8985	23263		20	4	12	0	6-33 5-36 4-41 3-46 2-52 1-44

RECORDING LOG

PAGE NO. (29)R/V CONRADAND R/V'S ✓DFS IV 48 CHANNELSCRUISE RC-26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 591LINE TYPE CDPSOURCE AIRGUNSSPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
305	8:28	8985	26363						FILE COUNT IN LOG OFF BY 3000
	9:28	8986	26364	3200	20	4	12	0	6-35 5-36 4-41 3-46 2-52 1-45
	9:02	8986	26465						
	9:02	8987	26466	2600	20	4	12	0	6-31 5-33 4-38 3-45 2-53 1-45
	9:36	8987	26566						
	9:36	8988	26567	2775	20	4	12	0	6-33 5-34 4-39 3-46 2-53 1-44
	10:09	8988	26668						
	10:09	8989	26669	3040	20	4	12	0	6-31 5-35 4-41 3-41 2-52 1-42
	10:43	8989	26768						
	10:43	8990	26769	3190	20	4	12	0	6-31 5-35 4-40 3-45 2-52 1-44
	11:17	8990	26870						
	11:17	8991	26871	2120	20	4	12	0	6-32 5-36 4-40 3-45 2-53 1-44
	11:51	8991	26971						6
	11:51	8992	26972	2060	20	4	12	0	6-31 5-35 4-41 3-45 2-52 1-43
	12:24	8992	27075						MISSED 5
	12:24	8993	27076						MISSED 5 SHOTS - TAPE SCREENED UP
	12:28	8993	27080						
	12:28	8994	27081	2320	20	4	12	0	6-29 5-30 4-40 3-45 2-51 1-43
	13:01	8994	27182						

RECORDING LOG

PAGE NO. (30)R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE RC 26-12AREA CHINA MARGINFORMAT: SEG. BLINE NO. 591LINE TYPE CDPSOURCE AIRGEUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
305	13:01	8995	27183	2130	20	4	12	0	6-29 5-34 4-44 3-49 2-54 1-44
	13:35	8995	27283						
	13:35	8996	27284	2160	20	4	12	0	6-34 5-40 4-45 3-49 2-54 1-47
	14:09	8996	27385						
	14:09	8997	27386	2565	20	4	12	0	6-34 5-40 4-41 3-40 2-55 1-46
	14:43	8997	27486						
	14:43	8998	27487	2925	20	4	12	0	6-39 5-39 4-45 3-48 2-54 1-44
	15:16	8998	27588						
	15:16	8999	27588	3490	20	4	12	0	6-35 5-40 4-45 3-48 2-54 1-45
	15:50	8999	27680						
305	15:50	9000	27691	3000	20	4	12	0	6-35 5-40 4-45 3-49 2-54 1-45
	16:24	9000	27792						
	16:24	9001	27793	3750	20	4	12	0	6-36 5-41 4-45 3-49 2-54 1-46
	16:59	9001	27892						
	16:59	9002	27893	3730	20	4	12	0	6-38 5-40 4-45 3-49 2-54 1-46
	17:31	9002	27994						
	17:31	9003	27995	3725	20	4	12	0	6-36 5-40 4-46 3-49 2-54 1-45
	18:06	9003	28094						
305	18:06	9004	28095	3710	20	4	12	0	6-39 5-40 4-45 3-49 2-54 1-46

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AND R/V'S.

AREA CHINA MARGIN

LINE TYPE COP

SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEF-B

BPI 1600[illegible]

RECORDING LOG

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AND R/V'S _____

CRUISE RC-26-12AREA CHINA MARGINLINE NO. 592LINE TYPE CDPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
306	00:09	9011	28741	2175	20	4	12	0	6-24 5-23 4-5 3-6 2-14 1-23 (WOW!!)
	00:43	9011	28841						STREAMER IS AT SURFACE, SIGNAL IS VERY NOISY.
	00:43	9012	28842	2580	20	4	12	0	6-27 5-23 4-12 3-7 2-14 1-21
	01:17	9012	28943						SLOWED SPEED
	01:17	9013	28944	2100	20	4	12	0	6-44 5-49 4-58 3-58 2-56 1-54
	01:50	9013	29045						
	01:50	9014	29046	2602	20	4	12	0	6-39 5-34 4-37 3-43 2-50 1-57
	02:25	9014	29147						
	02:25	9015	29148	2615	20	4	12	0	6-40 5-33 4-34 3-39 2-53 1-53
	02:58	9015	29248						
	02:58	9016	29249	1820	20	4	12	0	6-38 5-36 4-29 3-33 2-46 1-53
	03:32	9016	29350						
	03:32	9017	29351	2460	20	4	12	0	6-47 5-44 4-29 3-25 2-36 1-44
	04:06	9017	29451						
	04:06	9018	29452	1815	20	4	12	0	6-55 5-35 4-45 3-15 2-35 1-52
	04:39	9018	29553						
	04:39	9019	29554	2170	20	4	12	0	6-25 5-35 4-49 3-63 2-63 1-69
	05:13	9019	29653						
	05:13	9020	29654	2435	20	4	12	0	6-29 5-20 4-15 3-10 2-15 1-32

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE COP SOURCE AIRGUNS

DFS IV 78 CHANNELS

FORMAT: SEG-B

BPI. 1600[illegible]

RECORDING LOG

PAGE NO. 34RV WNRADAND R/V'S DFS IV 40 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 593LINE TYPE WALDP SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
307	07:05	9023C	29885	2140	30	4	20	0	6-35 5-37 4-41 3-49 2-62 1-56
	07:34	9023	29985						
	7:34	9024	29986		30	4	20	0	6-37 5-39 4-48 3-54 2-66 1-59
	7:45	9024	29964						
	7:45	9025	29965	2800	30	4	20	0	6-35 5-39 4-45 3-51 2-62 1-55
	8:16	9025	30027						
	8:16	9026	30028	2550	30	4	20	0	6-30 5-30 4-40 3-48 2-61 1-53
	8:47	9026	30089						
	8:47	9027	30090	2485	30	4	20	0	6-30 5-30 4-38 3-48 2-62 1-53
	9:18	9027	30151						
	9:18	9028	30152	2950	30	4	20	0	6-35 5-36 4-45 3-50 2-60 1-53
	9:49	9028	30213						
	9:49	9029	30214	2080	30	4	20	0	6-38 5-37 4-40 3-47 2-64 1-55
	10:20	9029	30274						
	10:20	9030	30275	2010	30	4	20	0	6-37 5-36 4-43 3-46 2-63 1-55
	10:51	9030	30336						
	10:51	9031	30337	1785	30	4	20	0	6-36 5-37 4-44 3-47 2-62 1-54
	11:21	9031	30397						
	11:21	9032	30398	1760	30	4	20	0	6-35 5-38 4-45 3-47 2-60 1-53

RECORDING LOG

PAGE NO. (35)RV SWRADAND R/V'S HAI YANG 4DFS IV ✓ CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-13LINE NO. 593LINE TYPE _____ SOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
307	11:52	9032	30459						
	11:52	9033	30460	1500	30	46	20	0	6-39 5-39 4-44 3-48 2-60 1-54
	12:08	9033	30488						PARITY ERRORS & SYNC-STARTED REWINDING
	12:08	9034	30487	1330	30	4	20	0	6-40 5-35 4-40 3-48 2-58 1-53
	12:38	9034	30548						
	12:38	9035	30549	1200	30	4	20	0	6-34 5-31 4-40 3-45 2-60 1-54
	12:56	9035	30583						
307	14:43	9036	30584	NEW LINE 594					
	15:13	9036	30645						
	15:13	9037	30646	1170	30	4	20	0	6-39 5-22 4-12 3-14 2-35 1-20
	15:44	9037	30706						
	15:44	9038	30707	1165	30	4	20	0	6-39 5-25 4-9 3-19 2-32 1-32
	16:02	9038	30739						
	16:02	9039	30740	1165	30	4	20	0	6-36 5-24 4-24 3-24 2-40 1-40
	16:33	9039	30800						
	16:33	9040	30801	1170	30	4	20	0	6-12 5-18 4-10 3-12 2-10 1-28
	17:02	9040	30862						
307	17:02	9041	30863	1170	30	4	20	0	6-28 5-18 4-10 3-10 2-24 1-26
	17:33	9041	30923						

RECORDING LOG

PAGE NO. (36)RV CONRADAND R/V'S HAI YANG 4DFS IV 48 CHANNELSCRUISE 06-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 594

LINE TYPE _____

SOURCE AIRGUNSBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
307	17:33	9042	30924	1150	30	4	20	0	6-24 5-15 4-5 3-5 2-5 1-5
	18:04	9042	30985						
	18:04	9043	30986	1225	30	4	20	0	6-21 5-20 4-10 3-10 2-10 1-25
	18:35	9043	31047						
	18:35	9044	31048	1290	30	4	20	0	6-20 5-15 4-10 3-10 2-15 1-20
	19:06	9044	31109						
	19:06	9045	31110	1250	30	4	20	0	6-26 5-20 4-15 3-20 2-25 1-26
	19:37	9045	31170						
307	19:37	9046	31171	1240	30	4	20	0	6-20 5-15 4-10 3-10 2-10 1-30
	20:07	9046	31232						
	20:07	9047	31233	1190	30	4	20	0	6-20 5-25 4-0 3-4 2-7 1-15
	20:38	9047	31293						
	20:38	9048	31294	1197	30	4	20	0	6-26 5-17 4-0 3-4 2-3 1-14
	21:09	9048	31355						
	21:09	9049	31356	1255	30	4	20	0	6-22 5-15 4-0 3-3 2-8 1-15
	21:40	9049	31416						
	21:40	9050	31417	1365	30	4	20	0	6-25 5-20 4-0 3-3 2-3 1-5
	22:11	9050	31478						
307	22:11	9051	31479	1380	30	4	20	0	6-20 5-15 4-3 3-2 2-5 1-10

RECORDING LOG

PAGE NO. 137RV. CONRADAND R/V'S HAI YANG 4DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 594

LINE TYPE. _____

SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
307	22:42	9051	31539						
	22:42	9052	31540	1470	30	4	20	0	6-25 5-17 4-3 3-5 2-18 1-15
	23:13	9052	31600						
	23:13	9053	31602	1665	30	4	20	0	6-30 5-20 4-2 3-0 2-0 1-0
	23:45	9053	31662						
307	23:45	9054	31663	1760	30	4	20	0	6-25 5-15 4-3 3-2 2-5 1-3
308	00:15	9054	31724						
	00:15	9055	31725	1852	30	4	20	0	6-26 5-25 4-20 3-5 2-25 1-45
	00:47	9055	31786						8
	00:47	9056	31787	2020	30	4	20	0	6-26 5-27 4-20 3-15 2-47 1-70
	01:17	9056	31848						
	01:17	9057	31849	2245	30	4	20	0	6-30 5-18 4-8 3-17 2-50 1-62
	01:48	9057	31909						
	01:48	9058	31910	2520	30	4	20	0	6-30 5-28 4-8 3-6 2-12 1-42
	02:18	9058	31970						
	02:18	9059	31972	2730	30	4	20	0	6-25 5-22 4-7 3-5 2-10 1-15
	02:50	9059	32034						
	02:50	9060	32035	3130	30	4	20	0	6-22 5-30 4-5 3-10 2-7 1-5
	03:21	9060	32096						

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AND R/V'S HAI YANG 4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE _____ SOURCE AIRGUNS

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. 39RV CONRADAND RV'S HAIYANG-4DFS IV 76 CHANNELSCRUISE RC 26-12AREA CHINA MARGINFORMAT: SECBLINE NO. 595LINE TYPE COPSOURCE AIRGUNSBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
309	0243	9063	001	1790	30	4	20	0	6-52 5-56 4-55 3-62 2-80 1-65
5 NOV 85	0313	9063	060						
	0313	9064	061						TAPE 9064 recorded 2 shots + then took a tea break, a longgggg one.
		"	062		30				
	0314	9065	063	1790	30	4	20	0	6-60 5-58 4-60 3-61 2-80 1-65
	03:45	"	123						
	03:45	9066	124	1890	30	4	20	0	6-59 5-59 4-52 3-59 2-79 1-63
	04:16	9066	185						
	04:16	9067	186	1820	30	4	20	0	6-60 5-60 4-56 3-60 2-79 1-65
	04:47	9067	246						
	04:47	9068	247	1860	30	4	20	0	6-52 5-62 4-62 3-62 2-79 1-66
	05:18	9068	308						
	05:18	9069	309	1940	30	4	20	0	6-55 5-62 4-62 3-65 2-80 1-66
	05:49	9069	369						
	05:49	9070	370	2055	30	4	20	0	6-40 5-49 4-49 3-57 2-74 1-57
	06:20	9070	431						
	06:20	9071	432	2125	30	4	20	0	6-46 5-51 4-51 3-61 2-80 1-62
	06:50	9071	492						0-4 RECORP Conrad shots (06:27)
	06:50	9072	493	2255	30	4	20	0	6-45 5-60 4-60 3-65 2-80 1-67

RECORDING LOG

PAGE NO. (40)

R/V CONRADAND R/V'S HAIYANG-4DFS IV 48 CHANNELSCRUISE RC-26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 595LINE TYPE COPSOURCE AIRGUNISBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
309	07:21	9072	554						
	07:21	9073	555	2525	30	4	20	0	6-41 5-51 4-50 3-55 2-72 1-60
	07:52	9073	615						
	07:52	9074	616	2535	30	4	20	0	6-50 5-55 4-50 3-56 2-70 1-56
	08:23	9074	677						
	08:23	9075	678	2590	30	4	20	0	6-45 5-55 4-50 3-55 2-72 1-55
	08:59	9075	738						At 08:26 0-4 START SHOOTING
	08:59	9076	739	2552	30	4	20	0	6-46 5-55 4-50 3-56 2-70 1-56
	09:30	9076	800						
	09:30	9077	801	2475	30	4	20	0	6-41 5-46 4-50 3-55 2-71 1-60
	10:00	9077	861						
	10:00	9078	862	2385	30	4	20	0	6-50 5-57 4-55 3-57 2-69 1-55
	10:31	9078	923						
	10:31	9079	924	2265	30	4	20	0	6-52 5-58 4-52 3-53 2-73 1-60
	11:02	9079	984						
	11:02	9080	985	2225	30	4	20	0	6-51 5-57 4-53 3-54 2-71 1-56
	11:33	9080	1047						
	11:33	9081	1048	2135	30	4	20	0	6-50 5-58 4-54 3-58 2-70 1-55

RECORDING LOG

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RV CONRADAND RV'S HAI YANG-4CRUISE RC-26-12AREA CHINA MARGINLINE NO. 595LINE TYPE COPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
309	12:03	9082	1109	2120	30	4	20	0	6-46 5-55 - 4-55 3-60 2-70 1-55
	12:34	9082	1170						
	12:34	9083	1171	2082	30	4	20	0	6-47 5-57 4-54 3-58 2-72 1-54
	13:05	9083	1231						
	13:05	9084	1232	2050	30	4	20	0	6-53 5-57 4-55 3-57 2-70 1-58
	13:36	9084	1293						
	13:36	9085	1294	1388	30	4	20	0	6-55 5-54 4-55 3-58 2-70 1-57
	14:06	9085	1354						
	14:06	9086	1355	1675	30	4	20	0	6-48 5-56 4-52 3-57 2-71 1-58
	14:37	9086	1416						
	14:37	9087	1417	1790	30	4	20	0	6-47 5-56 4-53 3-54 2-69 1-60
	15:08	9087	1477						
	15:08	9088	1478	1840	30	4	20	0	6-53 5-57 4-55 3-54 2-70 1-53
	15:39	9088	1539						
	15:39	9089	1540	1925	30	4	20	0	6-47 5-55 4-53 3-55 2-71 1-55
	16:10	9089	1600						
	16:10	9090	1601	1810	30	4	20	0	6-44 5-55 4-54 3-57 2-71 1-54
	16:39	9090	1662						
309	16:39	9091	1663	1740	30	4	20	0	6-64 5-58 4-50 3-54 2-70 1-53

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DFS IV 48 CHANNELS

FORMAT: SEG-B

BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
309	17:11	9091	1723						
	17:11	9092	1724	1695	30	4	20	0	6-54 5-58 4-54 3-56 2-70 1-54
	17:42	9092	1785						
	17:42	9093	1786	1690	30	4	20	0	6-54 5-58 4-54 3-57 2-71 1-55
	18:12	9093	1846						
	18:12	9094	1847	1450	30	4	20	0	6-48 5-56 4-54 3-57 2-71 1-54
	18:43	9094	1908						
	18:43	9095	1909	1370	30	4	20	0	6-50 5-56 4-54 3-56 2-71 1-55
	19:14	9095	1969						
	19:14	9096	1970	1325	30	4	20	0	6-55 5-57 4-54 3-55 2-70 1-53
	19:45	9096	2032						
	19:45	9097	2033	1285	30	4	20	0	6-52 5-54 4-56 3-55 2-71 1-54
	20:15	9097	2093						
	20:15	9098	2094	1263	30	4	20	0	6-55 5-56 4-52 3-56 2-70 1-54
	20:46	9098	2155						
	20:46	9099	2156	1280	30	4	20	0	6-53 5-58 4-53 3-54 2-69 1-52
	21:17	9099	2216						
	21:17	9100	2217	1310	30	4	20	0	6-54 5-53 4-48 3-53 2-67 1-54
	21:48	9100	2278						

RECORDING LOG

PAGE NO. (43)

R/V CONRADAND R/V'S HAI YANG 4CRUISE RC-26-12AREA CHINA MARGINLINE NO. 595LINE TYPE LOPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SE4-BBPI. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
309	21:48	9101	2279	1300	30	4	20	0	6-50 5-55 4-54 3-56 2-70 1-55
	22:18	9101	2339						
	22:18	9102	2340	1325	30	4	20	0	6-46 5-55 4-53 3-57 2-71 1-53
	22:49	9102	2401						at 22:10 0-4 stop shooting
	22:49	9103	2402	—	30	4	20	0	6-50 5-55 4-52 3-56 2-70 1-55
	23:10	9103	2462						at 23:16 0-4 start shooting
	23:20	9104	2463	1390	30	4	20	0	6-47 5-55 4-50 3-55 2-70 1-54
	23:51	9104	2524						
	23:51	9105	2525	1275	30	4	20	0	6-55 5-57 4-52 3-57 2-72 1-54
310	00:21	9105	2585						
	00:21	9106	2586	1540	30	4	20	0	6-50 5-56 4-52 3-58 2-70 1-56
	00:52	9106	2647						
	00:52	9107	2648	1500	30	4	20	0	6-57 5-56 4-50 3-52 2-69 1-52
	01:23	9107	2708						
	01:23	9108	2709	1840	30	4	20	0	6-52 5-57 4-55 3-57 2-72 1-56
	01:53	9108	2769						
	01:53	9109	2770	2080	30	4	20	0	6-52 5-57 4-52 3-55 2-71 1-54
	02:24	9109	2830						
	02:24	9110	2831	2115	30	4	20	0	6-60 5-57 4-50 3-52 2-68 1-55

RECORDING LOG

PAGE NO. (44)RV CONRADAND R/V'S HAI YANG - 4DFS IV 78 CHANNELSCRUISE RC 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 595LINE TYPE COPSOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
310	02:54	9110	2891						
	02:54	9111	2892	2035	30	4	20	0	6-52 5-55 4-50 3-56 2-70 1-54
	03:25	9111	2952						
	03:25	9112	2953	1980	30	4	20	0	6-59 5-57 4-54 3-57 2-70 1-56
	03:56	9112	3015						
	03:56	9113	3016	1970	30	4	20	0	6-54 5-50 4-52 3-55 2-70 1-55
	04:26	9113	3076						
	04:26	9114	3077	2660	30	4	20	0	6-50 5-56 4-52 3-55 2-70 1-55
	04:57	9114	3138						
	04:57	9115	3139	2115	30	4	20	0	6-62 5-57 4-50 3-54 2-70 1-54
	05:27	9115	3199						
	05:27	9116	3200	2115	30	4	20	0	6-55 5-58 4-52 3-55 2-70 1-55
	05:59	9116	3261						
	05:59	9117	3262	2080	30	4	20	0	6-41 5-55 4-52 3-55 2-70 1-55
	06:29	9117	3322						
	06:29	9118	3323	2135	30	4	20	0	6-43 5-54 4-52 3-57 2-71 1-55
	07:01	9118	3384						
	07:01	9119	3385	2160	30	4	20	0	6-40 5-53 4-52 3-57 2-70 1-56
310	07:31	9119	3448						

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AND R/V'S MAI YANG-4

AREA CHINA MARGIN

LINE TYPE COP SOURCE AIRGUNS

DFS IV 8 CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

RECORDING LOG

PAGE NO

R/V CONRAD

AND R/V S. HAI YANG-4

CRUISE RC26-12

AREA CHINA MARGIN

LINE NO 596

LINE TYPE ESP*

SOURCE

DART LOG-ON
SER TO Connors
ONLY

DFS IV 4X CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

R/V CONRADAND R/V'S HAI YANG - 4DFS IV 2 CHANNELSCRUISE RC26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 597LINE TYPE ESP#4ASOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
310	14:33	9132	189						
	16:00	9133	190	2225	60	4	39	10	START SHOOTING AGAIN (NEW LINE)
	16:30	9133	229						6-40. 5-41 4-46 3-46 2-65 1-50
	16:30	9134	220	2130	60	4	39	10	6-46 5-42 4-45 3-47 2-64 1-50
	17:00	9134	249						1625 changed type delay 10sec to 8sec
	17:00	9135	250	2180	60	4	39	10	6-44 5-42 4-46 3-47 2-65 1-51
	17:30	9135	279						
	17:30	9136	280	3000	60	4	39	10	6-52 5-46 4-48 3-47 2-65 1-50
	18:00	9136	309						1709 changed delay 8sec - 5sec
	18:00	9137	310	3100	60	4	39	10	6-46 5-44 4-46 3-48 2-63 1-51
	18:30	9137	339						1815 changed delay 5sec - 0sec
	18:30	9138	340	2500	60	4	39	10	6-50 5-45 4-45 3-45 2-64 1-50
	19:00	9138	369						
	19:00	9139	370	2525	60	4	39	10	6-52 5-45 4-45 3-48 2-65 1-50
	19:30	9139	399						
	19:30	9140	400	2580	60	4	39	10	6-54 5-46 4-45 3-46 2-67 1-53
	20:00	9140	429						
	20:00	9141	430	2550	60	4	39	10	6-52 5-44 4-45 3-47 2-66 1-52
310	20:30	9141	459						

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AND R/U'S _____

DFS IV 40 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG. -B

LINE TYPE CDP SOURCE AIRGUNS

BFI 1600

[illegible]

R/V CONRADAND R/V'S HAIYANG 4CRUISE RC 26-12AREA CHINA MARGINLINE NO. 599LINE TYPE ESP SOURCE AIR GUNSDFS IV 8 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
311	06:00	9158	1485	2790	60	4	39	10	START LINE 599
	06:30	9158	1514					8	6-47 5-41 4-46 3-54 2-70 1-55
	06:30	9159	1515	2785	60	4	39	8	6-54 5-44 4-49 3-55 2-72 1-54
	07:00	9159	1544						delay change 10-8sec 0622
	07:00	9160	1545	2800	60	4	39	8/5	6-50 5-41 4-50 3-55 2-72 1-56
	07:30	9160	1574						delay change 8-5sec 0710
	07:30	9161	1575	2880	60	4	39	5	6-56 5-45 4-50 3-56 2-72 1-56
	08:00	9161	1604						
	08:00	9162	1605	2880	60	4	39	5	6-58 5-47 4-50 3-55 2-71 1-55
	08:30	9162	1634						8:20 change delay 5→0 Sec
	08:30	9163	1635	2910	60	4	39	5/0	6-57 5-46 4-51 3-54 2-69 1-53
	09:00	9163	1664						
	09:00	9164	1665	2992	60	4	39	0	6-56 5-46 4-50 3-55 2-70 1-56
	09:30	9164	1694						
	09:30	9165	1695	3075	60	4	39	0	6-56 5-47 4-50 3-55 2-72 1-56
	10:00	9165	1724						
	10:00	9166	1725	3120	60	4	39	0	6-55 5-45 4-50 3-55 2-71 1-57
	10:30	9166	1754						
311	10:30	9167	1755	3127	60	4	39	0	6-55 5-45 4-48 3-54 2-70 1-56

R/V IRADAND R/V'S HAI YANG-4DFS IV. 2 CHANNELSCRUISE RL26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 599LINE TYPE ESP SOURCE AIRGUNS.BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
311	11:00	9167	1784						
	11:00	9168	1785	3125	60	4	39	0	6-55 5-45 4-50 3-55 2-72 1-56
	11:30	9168	1814						
	11:30	9169	1815	3077	60	4	39	0	6-59 5-47 4-51 3-55 2-71 1-55
	12:00	9169	1844						
	12:00	9170	1845	3075	60	4	39	0	6-60 5-50 4-51 3-59 2-72 1-54
	12:06							5	CHANGED DELAY TO 5 SEC. @ 1880 LANES
	12:30	9170	1874						
	12:30	9171	1875	3042	60	4	39	5	6-60 5-52 4-51 3-57 2-73 1-58
	13:00	9171	1904						
	13:00	9172	1905	3030	60	4	39	5	6-60 5-53 4-50 3-56 2-72 1-56
	13:17							8	CHANGED DELAY TO 8 SEC. @ 1392 LANES
	13:30	9172	1934						
	13:30	9173	1935	3060	60	4	39	8	6-64 5-55 4-52 3-56 2-73 1-57
	14:00	9173	1964						
	14:00	9174	1965	3098	60	4	39	8	6-65 5-53 4-51 3-57 2-72 1-58
	14:04							10	CHANGED DELAY TO 10 SEC @ 1751 LANES
	14:30	9174	1994						
	14:30	9175	1995	3130	60	4	39	8	6-70 5-57 4-50 3-55 2-69 1-54

RECORDING LOG

PAGE NO. (52)R/V CONRADAND R/V'S HAI YANG-KDFS IV 8 CHANNELSCRUISE RC26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 599/600LINE TYPE ESP/COP SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
311	14:45	9175	2010		60	4	39	10	END OF ESP [#] 3 END LINE, 599
	/			/				/	
	15:15	9176	2011		20	4	12	0	NED LINE: 600
	15:49	9176	2113						
	15:49	9177	2114	3210	20	4	12	0	6-51 5-50 4-51 3-55 2-72 1-55
	16:23	9177	2214						
	16:23	9178	2215	3350	20	4	12	0	6-56 5-54 4-51 3-56 2-71 1-55
	16:57	9178	2317						
	16:57	9179	2318	3410	20	4	12	0	6-59 5-51 4-51 3-56 2-72 1-54
	17:31	9179	2418						
	17:31	9180	2419	3485	20	4	12	0	6-57 5-55 4-55 3-58 2-74 1-57
	18:06	9180	2520						
	18:06	9181	2521	3525	20	4	12	0	6-59 5-53 4-51 3-56 2-71 1-56
	18:40	9181	2621						
	18:40	9182	2622	3525	20	4	12	0	6-68 5-56 4-51 3-54 2-71 1-53
	19:13	9182	2723						
	19:13	9183	2724	3585	20	4	12	0	6-48 5-45 4-54 3-57 2-73 1-56
	19:47	9183	2824						
	19:47	9184	2825	3605	20	4	12	0	6-48 5-50 4-54 3-56 2-72 1-56

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AND R/V'S HAI YANG-4

AREA CHINA' MARGIN

LINE TYPE COP

SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG-B

BFI 1600[illegible]

RECORDING LOG

PAGE NO. (50)R/V CONRAAND R/V'S HAI YANG-4CRUISE R26-12AREA CHINA MARGIN-4LINE NO. 601LINE TYPE ESP-2 SOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
311	20:45	9186	2955	3560	60	4	39	10	START LINE 601
	21:15	9186	2984						21:09 change delay 10→8 Sec
	21:15	9187	2985	3535	60	4	39	8	6-36 5-35 4-46 3-53 2-68 1-52
	21:45	9187	3014						
	21:45	9188	3015	3585	60	4	39	8/5	6-35 5-38 4-50 3-55 2-70 1-50
	22:15	9188	3044						21:50 change delay 8→5 Sec
311	22:15	9189	3045	3580	60	4	39	5	6-43 5-45 4-48 3-52 2-71 1-53
	22:45	9189	3074						
	22:45	9190	3075	3565	60	4	39	5/0	6-50 5-38 4-48 3-51 2-69 1-51
	23:15	9190	3104						22:52 change delay 5→0 Sec
	23:15	9191	3105	3553	60	4	39	0	6-48 5-45 4-49 3-50 2-68 1-47
	23:45	9191	3134						
	23:45	9192	3135	3540	60	4	39	0	6-50 5-52 4-53 3-55 2-70 1-49
312	00:15	9192	3164						
	00:15	9193	3165	3512	60	4	39	0	6-49 5-54 4-52 3-57 2-70 1-50
	00:45	9193	3194						00:31 MID-POINT OF ESP*2
	00:45	9194	3195	3490	60	4	39	0	6-60 5-60 4-52 3-55 2-70 1-51
	00:47	9194	3197						
	00:48	9195	3198						MISSED 1 SHOT

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AND R/U'S HAI YANG - 4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG B

LINE TYPE ESP-2 SOURCE AIR-GUNS

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. (56)

R/V CONRADAND R/V'S HAIYANG 4DFS IV 43 CHANNELSCRUISE C26-12AREA CHINA MARGINFORMAT: SEGBLINE NO. 602LINE TYPE CDPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
NOV 85 312	05:15	9203	3435	3365	20	4	12	0	6-44 5-50 4-51 3-57 2-71 1-55
	05:29	9203	3474						
	05:29	9204	3475	3485	20	4	12	0	6-42 5-50 4-52 3-56 2-71 1-48
	06:03	9204	3578						
	06:03	9205	3579	3175	20	4	12	0	6-40 5-50 4-53 3-57 2-71 1-50
	06:38	9205	3679						
	06:38	9206	3680	3125	20	4	12	0	6-39 5-49 4-52 3-56 2-71 1-49
	07:12	9206	3782						
	07:12	9207	3783	3380	20	4	12	0	6-39 5-50 4-52 3-57 2-71 1-50
	07:46	9207	3883						
	07:46	9208	3884	3475	20	4	12	0	6-38 5-51 4-55 3-60 2-72 1-49
	08:19	9208	3985						
	08:19	9209	3986	3584	20	4	12	0	6-40 5-51 4-53 3-57 2-70 1-49
	08:53	9209	4087						
	08:53	9210	4088	3600	20	4	12	0	6-39 5-51 4-58 3-58 2-71 1-50
	09:26	9210	4190						
	09:26	9211	4191	3680	20	4	12	0	6-39 5-51 4-54 3-59 2-72 1-49
	10:01	9211	4291						
312	10:01	9212	4292	3720	20	4	12	0	6-39 5-50 4-54 3-60 2-71 1-48

RECORDING LOG

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R/V CONRAD

AND R/V'S

CRUISE RLN-12

AREA CHINA MARGIN

LINE NO 602

LINE TYPE CDP SOURCE AIRGUNS

DFS IV ES CHANNELS

FORMAT: SEG-13

BPI 1600[illegible]

RV CONRADAND RV'S HAI YANG-4CRUISE R26-12AREA CHINA MARGINLINE NO. 604LINE TYPE ESPSOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-13BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
312	11:00	9213	4380	3745	60	4	39	108	11:00 Start line 604
	11:30	9213	4409						
	11:30	9214	4410	3740	60	4	39	8	6-59 5-56 4-50 3-53 2-71 1-48
	12:00	9214	4439						
	12:00	9215	4440	4735	60	4	39	8	6-58 5-50 4-50 3-52 2-72 1-51
	12:03							5	CHANGED DELAY TO 5 SECONDS @ 1403 LANES
	12:30	9215	4469						
	12:30	9216	4470	3735	60	4	39	5	6-56 5-52 4-51 3-54 2-71 1-50
	13:00	9216	4499						
	13:00	9217	4500	3735	60	4	39	5	6-58 5-52 4-51 3-54 2-70 1-50
	13:15							0	CHANGED DELAY TO 0 SECONDS @ 884 LANES
	13:30	9217	4529						
	13:30	9218	4530	3732	60	4	39	0	6-55 5-47 4-52 3-58 2-73 1-52
	14:00	9218	4569						
	14:00	9219	4560	3733	60	4	39	0	6-53 5-46 4-49 3-56 2-72 1-54
	14:30	9219	4589						
	14:30	9220	4590	3735	60	4	39	0	6-54 5-48 4-50 3-55 2-72 1-51
	15:05	9220	4618						MISSED (about) 5 SHOTS DATA LOGGER DOWN @ 1450
	15:05	9221	4619	3737	60	4	39	0	6-54 5-48 4-50 3-55 2-72 1-51

LOG

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R/V CONRAD

AND R/U'S HAI YANG - 4

CRUISE RC26-12

AREA CHINA MARGIN

LINE NO 604

LINE TYPE ESP SOURCE AIRGUNS

DFS IV 70 CHANNELS

FORMAT: SEG-B

BPI 1600[illegible]

RECORDING LOG

PAGE NO. (60)

R/V CONRADAND R/V'S CRUISE RC-26-12AREA CHINA MARGINLINE NO 605LINE TYPE CDPSOURCE AIRGUNSDFS IV 28 CHANNELSFORMAT: SEG-1BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
312	19:45	9230	4869	3750	20	4	12	0	6-53 5-40 4-47 3-53 2-72 1-50
	20:20	9230	4972						
	20:20	9231	4973	3730	20	4	12	0	6-52 5-39 4-47 3-53 2-71 1-48
	20:53	9231	5074						
	20:53	9232	5075	3718	20	4	12	0	6-50 5-40 4-46 3-54 2-70 1-49
	21:27	9232	5176						
	21:27	9233	5177	3695	20	4	12	0	6-60 5-45 4-48 3-50 2-70 1-46
	2201	9233	5277						
312	2201	9234	5278	3680	20	4	12	0	6-57 5-45 4-48 3-54 2-72 1-47
	2235	9234	5379						
	2235	9235	5380	3655	20	4	12	0	6-57 5-45 4-50 3-53 2-71 1-46
	23:09	9235	5480						
	23:09	9236	5481	3640	20	4	12	0	6-55 5-46 4-50 3-52 2-70 1-46
	23:43	9236	5582						
	23:43	9237	5583	3625	20	4	12	0	6-57 5-45 4-49 3-53 2-71 1-49
313	00:16	9237	5683						
	00:16	9238	5684		20	4	12	0	6-65 5-48 4-50 3-54 2-72 1-49
	00:50	9238	5785						END OF LINE 605
		9239							

RECORDING LOG

PAGE NO.

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R/V CONRAD

AND R/V'S

DFS IV Y8 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 606LINE TYPE COPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
313	0054	9239	5786	3520	20	4	12	0	MISSED ~ 10 SHOTS / START LINE 606
	01:27	9239	5886						
	01:27	9240	5887	3825	20	4	12	0	6-59 5-52 4-52 3-55 2-72 1-50
	02:00	9240	5986						
	02:00	9244	5987	3515	20	4	12	0	6-57 5-52 4-52 3-54 2-71 1-49
	02:34	9241	6088						
	02:34	9242	6089	3152	20	4	12	0	6-58 5-48 4-51 3-54 2-72 1-50
	03:08	9242	6190						
	03:08	9243	6191	3040	20	4	12	0	6-57 5-50 4-51 3-55 2-71 1-50
	03:42	9243	6292						
	03:42	9244	6293	3280	20	4	12	0	6-58 5-50 4-52 3-54 2-72 1-49
	04:16	9244	6394						
	04:16	9245	6395	3225	20	4	12	0	6-63 5-47 4-50 3-53 2-72 1-49
	04:50	9245	6495						
	04:50	9246	6496	3190	20	4	12	0	6-53 5-44 4-50 3-55 2-72 1-47
	05:24	9246	6599		20				
	05:24	9247	6500	3155	20	4	12	0	6-51 5-51 4-51 3-54 2-71 1-50
	05:58	9247	6700						
313	05:58	9248	6701	3040	20	4	12	0	6-54 5-51 4-51 3-53 2-71 1-47

RECORDING LOG

PAGE NO. (62)R/V CONRADAND R/V'S —DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 606LINE TYPE CDPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
313	06:32	9248	6802						
	06:32	9249	6803	2995	20	4	12	0	6-57 5-55 4-52 3-54 2-72 1-49
	07:06	9249	6903						
	07:06	9250	6904	2940	20	4	12	0	6-54 5-54 4-54 3-55 2-71 1-47
	07:40	9250	7006						
	07:40	9251	7007	2885	20	4	12	0	6-56 5-55 4-54 3-57 2-71 1-48
	08:13	9251	7107						
	08:13	9252	7108	2475	20	4	12	0	6-54 5-55 4-53 3-56 2-73 1-50
	08:48	9252	7210						
	08:48	9253	7211	2500	20	4	12	0	6-52 5-54 4-52 3-55 2-72 1-47
	09:21	9253	7311						
	09:21	9254	7312	2470	20	4	12	0	6-50 5-55 4-54 3-56 2-73 1-50
	09:55	9254	7413						
	09:55	9255	7414	2425	20	4	12	0	6-50 5-54 4-54 3-56 2-73 1-48
	10:29	9255	7514		7				
	10:29	9256	7515	2115	20	4	12	0	6-51 5-55 4-54 3-55 2-70 1-49
	11:03	9256	7616						
	11:03	9257	7617	1900	20	4	12	0	6-55 5-56 4-55 3-57 2-73 1-48
313	11:35	9257	7712						

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AREA CHINA MARGIN

LINE TYPE CDP SOURCE AIRGUNS

DFS IV 40 CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

PAGE NO. 14

PAGE NO 62.

AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE CDP SOURCE AIRGUNS

PAGE NO (62)

DFS IV 48 CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. 64R/V CONRADAND R/V'S HAI YANG 4DFS IV 18 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG. BLINE NO. 607LINE TYPE ESP-S SOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
313	13:58	9261	7976	1157	60	4	39	8	1st SHOT @ 14:02 / START LINE 607
	14:29	9261	8008						
	14:29	9262	8009	1220	60	4	39	8	6-45 5-49 4-50 3-52 2-71 1-50
	15:00	9262	8094						
	15:00	9263	8040	1105	60	4	39	8	6-41 5-50 4-50 3-51 2-71 1-52
	15:30	9263	8069					5	15:15 CHANGED DELAY TO 5 SECONDS @ 1030 LANES
	15:30	9264	8070	1150	60	4	39	8	6-35 5-48 4-50 3-51 2-72 1-52
	16:00	9264	8099					0	15:33 CHANGED DELAY TO 0 SECONDS @ 889 LANES
	16:00	9265	8100	1200	60	4	39	0	6-35 5-45 4-47 3-48 2-71 1-50
	16:30	9265	8129						
	16:30	9266	8130	1280	60	4	39	0	6-40 5-50 4-50 3-50 2-70 1-50
	17:00	9266	8159						
	17:00	9267	8160	1355	60	4	39	0	6-45 5-48 4-48 3-49 2-70 1-50
	17:30	9267	8189						
	17:30	9268	8190	1475	60	4	39	0	6-44 5-49 4-49 3-49 2-70 1-50
	17:36	9268	8195						
	17:36	9269	8196	1510	60	4	39	0	6-36 5-46 4-50 3-50 2-71 1-50
	18:06	9269	8225						
313	18:06	9270	8226	1700	60	4	39	0	6-38 5-46 4-50 3-50 2-70 1-50

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AND R/V'S HAI YANG - 4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE ESP-S SOURCE AIRGUNS

BRI 1600

[illegible]

PAGE NO. (66)

AND R/V'S.

AREA CITINA MARGIN

LINE TYPE LDP

SOURCE AIRGUNS

DFS IV 60 CHANNELS

FORMAT: SEG-13

BFI 1600[illegible]

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AND R/V'S _____

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG: B

LINE TYPE CDP SOURCE AIRGUNS

BFI 1600

[illegible]

R/V CONRADAND R/V'S HAI YANG -4DFS IV 8 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO 610LINE TYPE ESP-6SOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH m	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
314	0630	9290	0001	620	60	4	39	10	1430L ESP6
	07:02	9290	0030						6-42 5-40 4-40 3-42 2-68 1-52
	07:02	9291	0031	680	60	4	39	10/8	6-40 5-40 4-40 3-40 2-68 1-49
	07:32	9291	0060						scale change on delay 10-8sec 1717Z
	07:32	9292	0061	675	60	4	39	8/5	6-40 5-40 4-40 3-40 2-67 1-50
	08:02	9292	0090						7:58 change delay 8→5sec
	08:02	9293	0091	640	60	4	39	5	6-40 5-43 4-40 3-40 2-67 1-49
	0832	9293	0120						
	0832	9294	0121	660	60	4	39	5/0	6-40 5-39 4-40 3-40 2-62 1-47
	0902	9294	0150						8:55 change delay 5→0sec
	0902	9295	0151	675	60	4	39	0	6-39 5-40 4-41 3-42 2-68 1-50
	0920	9295	0167						
	0920	9296	0168	650	60	4	39	0	6-40 5-41 4-42 3-43 2-70 1-51
	0954	9296	0198						
	0954	9297	0198	720	60	4	39	0	6-39 5-43 4-38 3-41 2-68 1-50
	1024	9297	0228						
	1024	9298	0229	770	60	4	39	0	6-42 5-45 4-39 3-41 2-70 1-49
	1054	9298	0258						
	1054	9299	0259	855	60	4	39	0	6-40 5-44 4-40 3-42 2-69 1-50

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AND R/V'S HAI YANG-4

AREA CHINA MARGIN

LINE TYPE ESP-6

SOURCE AIRGUNS

DFS IV 5 CHANNELS

FORMAT: SEG-B

BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
314	11:24	9299	0288						
	11:24	9300	0289	950	60	4	39	0	6-50 5-45 4-40 3-40 2-69 1-47
	11:54	9300	0318						
	11:54	9301	0319	970	60	4	39	0	6-46 5-45 4-40 3-40 2-67 1-48
	12:11							5	927 LINES CHANGED DELAY TO 5 SECONDS
	12:24	9301	0318						
	12:24	9302	0349	980	60	4	39	5	6-48 5-47 4-40 3-41 2-68 1-50
	12:54	9302	0378						
	12:54	9303	0379	1200	60	4	39	5	6-48 5-49 4-41 3-41 2-70 1-50
	13:24	9303	0400						13002 CHANGED DELAY TO 8 SECONDS @ 1343 LINES
	13:24	9304	0409	1650	60	4	39	5	6-50 5-47 4-41 3-42 2-69 1-52
	13:54	9304	0438					10	1349 CHANGED DELAY TO 10 SECONDS
	13:54	9305	0459	1575	60	4	39	10	6-52 5-50 4-40 3-40 2-69 1-50
	14:24	9305	0468					10	
	14:24	9306	0469		60	4	39	10	6-47 5-44 4-38 3-42 2-69 1-52
	14:45	9306	0490						END LINE 610
	14:51	9307	0500		60	4	39		

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AND R/U'S _____

AREA CHINA MARGIN

LINE TYPE CDP SOURCE AIR-GUNS

DFS IV 42 CHANNELS

FORMAT: SEG B

BRI 1600

[illegible]

RECORDING LOG

PAGE NO. (71)

R/V CONRADAND R/V'S HAI YANG-4DFS IV 2 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 612LINE TYPE ESP-7 SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
314	19:00	9313	1091	1970	60	4	39	10	START LINE 612
	19:30	9313	1120						delay change 10-8 sec 1942Z (1942Z)
	19:30	9314	1121	1830	60	4	39	10/8	6-55 5-48 4-40 3-40 2-68 1-50
	20:00	9314	1150						
	20:00	9315	1151	1360	60	4	39	8/5	6-56 5-49 4-42 3-40 2-67 1-50
	20:30	9315	1180						20:27 change delay 8→5 Sec
	20:30	9316	1181	1025	60	4	39	5	6-55 5-48 4-42 3-40 2-69 1-49
	20:41	9316	1286						
	20:41	9317	1287	870	60	4	39	5	6-55 5-49 4-38 3-40 2-68 1-51
	21:11	9317	1216						
	21:11	9318	1217	800	60	4	39	5/0	6-47 5-40 4-40 3-40 2-68 1-50
	21:41	9318	1246						21:32 change delay 5→0 Sec
	21:41	9319	1247	800	60	4	39	0	6-47 5-45 4-40 3-40 2-68 1-50
	22:11	9319	1276						
	22:11	9320	1277	825	60	4	39	0	6-48 5-46 4-42 3-41 2-67 1-50
	22:41	9320	1306						
	22:41	9321	1307	690	60	4	39	0	6-64 5-51 4-40 3-40 2-65 1-49
	23:11	9321	1336						
314	23:11	9322	1337	620	60	4	39	0	6-59 5-48 4-38 3-40 2-68 1-49

RECORDING LOG

PAGE NO. 73R/V ENRADAND R/V'S HAI YANG-4CRUISE 2612AREA CHINA MARGINLINE NO. 612LINE TYPE ESP-7SOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
314	2341	9322	1366	550	60	4	39	0	6-45 5-43 4-39 3-40 2-67 1-50
	2341	9323	1367						
315	0011	9323	1396						
	0011	9324	1397	552	60	4	39	0	6-45 5-47 4-40 3-41 2-70 1-52
	0041	9324	1426						
	0041	9325	1427	500	60	4	39	0	6-54 5-52 4-44 3-47 2-71 1-52
	01:11	9325	1456						*0107 CHANGED DELAY TO 5 SECONDS @ 875 LANES
	01:11	9326	1457	458	60	4	39	5	6-54 5-52 4-46 3-48 2-70 1-57
	01:41	9326	1486						
	01:41	9327	1487	430	60	4	39	5	6-50 5-50 4-43 3-47 2-73 1-53
	02:11	9327	1516						@0211 CHANGED DELAY TO 8 SECONDS @ 1394 LANES
	02:11	9328	1517	380	60	4	39	8	6-48 5-54 4-47 3-49 2-70 1-53
	02:38	9328	1544						MISSED 1 SHOT (TAPE SCREWED UP)
	02:38	9329	1542	360	60	4	39	8	6-51 5-52 4-44 3-48 2-70 1-53
	03:08	9329	1571						@0301 CHANGED DELAY TO 10 SECONDS @ 1807 LANES
	03:08	9330	1572	350	60	4	39	8/10	6-54 5-52 4-55 3-48 2-70 1-54
	03:38	9330	1601						
	03:38	9331	1602		60	4	39	10	6-50 5-50 4-46 3-49 2-72 1-53
	04:08	9331	1631						

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AND R/V'S HAI YANG-4

AREA CHINA MARGIN

LINE TYPE ESP-7 SOURCE AIRGUNS

DFS IV 8 CHANNELS

FORMAT: SEB-13

BRI 1602[illegible]

RECORDING LOG

PAGE NO. (74)R/V CONRADAND R/V'S HAIYANG 4DFS IV 42 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 613LINE TYPE ESP#7A SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
315	05:30	9333	1645	320	60	4	39	10	START LINE - 613
	06:00	9333	1674						
	06:00	9334	1675	320	60	4	39	10	6-57 5-47 4-40 3-44 2-68 1-50
	06:30	9334	1704						0639 delay change 10-8 sec
	06:30	9335	1705	330	60	4	39	10/8	6-54 5-42 4-44 3-46 2-72 1-51
	07:00	9335	1734						0717 delay change 8-5 sec
	07:00	9336	1735	340	60	4	39	8/5	6-50 5-42 4-42 3-45 2-69 1-50
	07:30	9336	1764						
	07:30	9337	1765	355	60	4	39	5	6-50 5-42 4-40 3-45 2-69 1-51
	08:00	9337	1794						
	08:00	9338	1795	410	60	4	39	5/0	6-50 5-40 4-40 3-45 2-70 1-50
	08:30	9338	1824						08:28 change delay 5-0 sec
	08:30	9339	1825	440	60	4	39	0	6-50 5-40 4-41 3-45 2-70 1-50
	09:00	9339	1854						
	09:00	9340	1855	512	60	4	39	0	6-56 5-44 4-41 3-45 2-70 1-50
	09:30	9340	1884						
	09:30	9341	1885	520	60	4	39	0	6-59 5-46 4-42 3-44 2-67 1-50
	10:00	9341	1914						
	10:00	9342	1915	615	60	4	39	0	6-60 5-47 4-42 3-45 2-70 1-50

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AND R/V'S HAI YANG-4

AREA CHINA MARGIN

LINE TYPE ESP⁹-7A SOURCE AIRGUN

FORMAT: SEG-B

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. (76)

RV CONRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 614LINE TYPE CDP SOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SE6-BBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
315	14:46	9351	2185	1420	20	4	12	0	START LINE 614
	15:18	9351	2286						MISSED 1 SHOT BETWEEN TAPES
	15:18	9352	2287	1190	20	4	12	0	6-45 5-40 4-42 3-47 2-70 1-52
	15:54	9352	2387						
	15:54	9353	2388	975	20	4	12	0	6-44 5-36 4-40 3-46 2-70 1-51
	16:28	9353	2489						
	16:28	9354	2490	800	20	4	12	0	6-46 5-37 4-40 3-46 2-70 1-51
	17:02	9354	2590						
	17:02	9355	2591	640	20	4	12	0	6-40 5-34 4-38 3-44 2-70 1-50
	17:35	9355	2692						
	17:35	9356	2693	560	20	4	12	0	6-42 5-34 4-38 3-40 2-71 1-52
	18:09	9356	2793						
	18:09	9357	2794	450	20	4	12	0	6-47 5-41 4-43 3-45 2-72 1-51
	18:43	9357	2895						
	18:43	9358	2896	300	20	4	12	0	6-47 5-41 4-44 3-45 2-70 1-50
	19:17	9358	2996						
	19:17	9359	2997	250	20	4	12	0	6-45 5-40 4-40 3-45 2-70 1-52
	19:51	9359	3099						
315	19:51	9360	3100	190	20	4	12	0	6-36 5-35 4-40 3-45 2-72 1-54

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE LDP SOURCE AIRGUIN

DFS IV ~~24~~ CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

R/V CONRADAND R/V'S HAI YANG-4CRUISE 26-12AREA CHINA MARGINLINE NO. 615LINE TYPE ESP-8 SOURCE AIRGUINDFS IV 46 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
315	2130	9362	3306	78	60	4	39	10	6-65 5-55 4-43 3-45 2-72 1-53
	22:00	9362	3333						
	22:00	9363	3334	92	60	4	39	10	6-57 5-48 4-43 3-44 2-70 1-53
	2230	9363	3363						
	2230	9364	3364	95	60	4	39	10/8	6-60 5-50 4-42 3-44 2-70 1-55
	2300	9364	3393						22:32 change delay 10 → 8 Sec
	2300	9365	3394	94	60	4	39	8/5	6-60 5-50 4-42 3-44 2-71 1-54
	23:30	9365	3423						23:11 change delay 8 → 5 Sec
	23:30	9366	3424	92	60	4	39	5	6-60 5-46 4-41 3-45 2-71 1-53
316	0000	9366	3453						
	0000	9367	3454	100	60	4	39	5	6-60 5-49 4-41 3-48 2-71 1-56
	00:30	9367	3483						@ 0011 CHANGE DELAY TO 0 @ 892 LINES
	00:30	9368	3484	135	60	4	39	0	6-55 5-44 4-43 3-47 2-71 1-56
	01:00	9368	3513						
	01:00	9369	3514	125	60	4	39	0	6-52 5-43 4-43 3-47 2-72 1-55
	01:30	9369	3530						MISSED 1 SHOT BETWEEN TAPES
	01:30	9370	3534	120	60	4	39	0	6-51 5-42 4-41 3-46 2-70 1-54
	01:48	9370	3560						
	01:48	9371	3561	117	60	4	39	0	6-50 5-42 4-42 3-47 2-72 1-55

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AND R/U'S HAI YANG 4

DFS IV 78 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE ESP-8

SOURCE AIRGUNS

BFI 1600

[illegible]

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AND R/V'S _____

DFS IV 50 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE CDP SOURCE AIRGUNS

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. 181...R/V UNRADAND R/V'S HAI XANG-4CRUISE 26-12AREA CHINA MARGINLINE NO. 617LINE TYPE ESP-9 SOURCE AIRGUNSDFS IV .8 CHANNELSFORMAT: SEG-BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
306	1130	9388	4644	79	60	4	39	10	6-5 5-45 4-43 3-44 2-71 1-55
	1200	9388	4670						
	1200	9389	4671	75	60	4	39	10	6-62 5-52 4-48 3-47 2-71 1-55
	1230	9389	4700						
	1230	9390	4701	72	60	4	39	10	6-60 5-50 4-43 3-46 2-70 1-56
	1300	9390	4730						@1241Z CHANGED DELAY TO 8 SECONDS @1761 LANES
	1300	9391	4731	70	60	4	39	10/8	6-61 5-51 4-44 3-47 2-71 1-55
	1330	9391	4760						@1323 CHANGED DELAY TO 5 SECONDS @1404 LANES
	1330	9392	4761	65	60	4	39	8/5	6-64 5-54 4-45 3-48 2-72 1-55
	1400	9392	4790						
	1400	9393	4791	61	60	4	39	5	6-63 5-51 4-46 3-47 2-71 1-54
	1430	9393	4820						@1427 CHANGED DELAY TO 0 SECONDS @860 LANES
	1430	9394	4821	57	60	4	39	5/0	6-65 5-55 4-48 3-48 2-72 1-57
	1500	9394	4850						
	1500	9395	4851	52	60	4	39	0	6-63 5-52 4-45 3-46 2-72 1-56
	1530	9395	4880						
	1530	9396	4881	48	60	4	39	0	6-60 5-50 4-44 3-45 2-70 1-58
	1600	9396	4910						
316	1600	9397	4911	48	60	4	39	0	6-63 5-50 4-44 3-44 2-70 1-50

RECORDING LOG

PAGE NO. 85R/V CONRADAND R/V'S AAI YANG-4DFS IV 8 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEGT-DLINE NO. 617LINE TYPE ESP-9 SOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
316	16:30	9397	4940						
	16:30	9398	4941	45	60	4	39	0	6-60 5-50 4-45 3-45 2-70 1-51
	17:00	9398	4970						16:40 radical noise en eel-passing ship?
	17:00	9399	4971	44	60	4	39	0	6-63 5-52 4-44 3-44 2-71 1-55
	17:30	9399	5000						delay change 0-5 sec 1731Z
	17:30	9400	5001	44	60	4	39	0	6-61 5-50 4-45 3-45 2-70 1-54
	18:00	9400	5030						
	18:00	9401	5031	42	60	4	39	5	6-60 5-48 4-44 3-45 2-70 1-54
	18:30	9401	5060						delay change 5-8 sec 1835Z
	18:30	9402	5061	49	60	4	39	5/8	6-59 5-49 4-44 3-44 2-70 1-55
	18:50	9402	5081						SHORT TAPES (TAN BASE)
	18:50	9403	5082	40	60	4	39	8/10	6-55 5-45 4-43 3-44 2-70 1-53
	19:20	9403	5111						delay change 8-10 sec 1916Z
	19:20	9404	5112	40	60	4	39	10	6-56 5-46 4-43 3-44 2-70 1-54
	19:26	9404	5118						
	19:26	9405	5119	38	60	4	39	10	6-52 5-43 4-43 3-44 2-71 1-55
	19:56	9405	5148						
	19:56	9405	5149	38	60	4	39	10	6-51 5-43 4-43 3-44 2-70 1-54
	20:15	9406	5166						END LINE 617

RECORDING LOG

PAGE NO. 83R/V CONRADAND R/V'S CRUISE 26-12AREA CHINA MARGINLINE NO. 618LINE TYPE CDPSOURCE AIRGUNSDFS IV 28 CHANNELSFORMAT: SEG-13BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
316	20:50	9407	5167	39	20	4	12	0	6-64 5-52 4-44 3-45 2-71 1-56
	21:25	9407	5268						
	21:25	9408	5269	43	20	4	12	0	6-65 5-52 4-45 3-45 2-72 1-55
	21:58	9408	5369						
	21:58	9409	5370	55	20	4	12	0	6-55 5-45 4-42 3-44 2-72 1-55
	22:32	9409	5471						
	22:32	9410	5472	65	20	4	12	0	6-57 5-47 4-43 3-44 2-72 1-55
	23:06	9410	5572						6-57
	23:06	9411	5573	64	20	4	12	0	6-58 5-49 4-44 3-45 2-71 1-54
	23:40	9411	5674						
	23:40	9412	5675	69	20	4	12	0	6-50 5-43 4-43 3-45 2-70 1-53
317	00:14	9412	5775						
	00:14	9413	5776	74	20	4	12	0	6-50 5-42 4-43 3-47 2-72 1-56
	00:48	9413	5877						
	00:48	9414	5878	80	20	4	12	0	6-52 5-42 4-43 3-47 2-70 1-55
	01:22	9414	5978						
	01:22	9415	5979	84	20	4	12	0	6-52 5-44 4-44 3-47 2-72 1-56
	01:55	9415	6080						
	01:55	9416	6081	88	20	4	12	0	6-52 5-43 4-43 3-47 2-71 1-56

R/V CONRADAND R/V'S DFS IV 18 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 618LINE TYPE COPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
317	02:29	9416	6181						
	02:29	9417	6182	93	20	4	12	0	6-54 5-45 4-43 3-46 2-72 1-55
	02:02	9417	6283						
	03:02	9418	6284	95	20	4	12	0	6-54 5-45 4-44 3-46 2-72 1-55
	03:36	9418	6384						
	03:36	9418	6385	130	20	4	12	0	6-54 5-44 4-44 3-47 2-72 1-54
	04:10	9419	6486						
	04:10	9420	6487	170	20	4	12	0	6-52 5-43 4-42 3-45 2-72 1-54
	04:44	9420	6587						
	04:44	9421	6588	220	20	4	12	0	6-56 5-46 4-45 3-45 2-70 1-54
	05:18	9421	6689						
	05:18	9422	6690	255	20	4	12	0	6-55 5-45 4-45 3-44 2-70 1-55
	05:52	9422	6791						
	05:52	9423	6792	265	20	4	12	0	6-50 5-42 4-42 3-44 2-70 1-53
	06:19	9423	6869						
	06:19	9424	6870	300	20	4	12	0	6-44 5-35 4-40 3-43 2-68 1-52
	06:52	9424	6970						
	06:52	9425	6971	320	20	4	12	0	6-46 5-38 4-41 3-44 2-70 1-55
317	07:26	9425	7073						

RECORDING LOG

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R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO. 618LINE TYPE CDPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
317	07:26	9426	7074	335	20	4	12	0	6-46 5-40 4-43 3-44 2-70 1-54
	0800	9426	7174						
	0800	9427	7175	340	20	4	12	0	6-47 5-40 4-45 3-45 2-72 1-54
	0836	9427	7277						
	0836	9428	7278	341	20	4	12	0	6-50 5-42 4-43 3-45 2-71 1-50
	0911	9428	7379						
	0911	9429	7380	340	20	4	12	0	6-55 5-45 4-45 3-47 2-72 1-51
	0945	9429	7480						
	0945	9430	7481	343	20	4	12	0	6-50 5-41 4-42 3-45 2-70 1-50
	1018	9430	7582						
	1018	9431	7583	335	20	4	12	0	6-52 5-42 4-42 3-46 2-71 1-50
	1052	9431	7683						
	1052	9432	7684	332	20	4	12	0	6-51 5-41 4-43 3-45 2-72 1-55
	1026	9432	7786						
	1026	9433	7787	332	20	4	12	0	6-51 5-42 4-42 3-45 2-70 1-52
	12:00	9433	7887						
	12:00	9434	7888	320	20	4	12	0	6-52 5-44 4-43 3-45 2-71 1-55
	12:33	9434	7989						
	12:33	9435	7990	317	20	4	12	0	6-50 5-42 4-42 3-46 2-72 1-54

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DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE CDP SOURCE AIRGUNS

BFI 1600[illegible]

RECORDING LOG

PAGE NO. 86R/V CONRADAND R/V'S HAI YING 4DFS IV 40 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG BLINE NO. 619LINE TYPE ESP 24 SOURCE AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
317	1734	9444	8867	500	60	4	39	10	START OF LINE
	18:04	9444	8896						
	18:04	9445	8897	500	60	4	39	10	6-56 5-46 4-42 3-44 2-70 1-54
	18:34	9445	8926						delay change 10-8 sec 1840Z
	18:34	9446	8927	495	60	4	39	10/8	6-51 5-43 4-43 3-44 2-70 1-54
	19:04	9446	8956						delay change 8-5 sec 1920Z
	19:04	9447	8957	495	60	4	39	8/5	6-43 5-37 4-42 3-44 2-69 1-54
	19:34	9447	8986						
	19:34	9448	8987	490	60	4	39	5	6-42 5-36 4-42 3-44 2-70 1-55
	20:04	9448	9016						
	20:04	9449	9017	489	60	4	39	5/0	6-46 5-37 4-41 3-45 2-71 1-55
	20:33	9449	9046						20:22 change delay 5-70 sec
	2033	9450	9047	487	60	4	39	0	6-44 5-37 4-42 3-45 2-70 1-54
	2103	9450	9076						
	2103	9451	9077	485	60	4	39	0	6-45 5-38 4-42 3-45 2-71 1-55
	2133	9451	9106						
	2133	9452	9107	480	60	4	39	0	6-46 5-40 4-45 3-46 2-72 1-53
	2203	9452	9136						
	2203	9453	9137	479	60	4	39	0	6-45 5-40 4-44 3-45 2-69 1-53

RECORDING LOG

PAGE NO. 107R/V CONRADAND R/V S HAI YING-4DFS IV 48 CHANNELSCRUISE 16-12AREA CHINA MARGINFORMAT: SEG-BLINE NO 619LINE TYPE ESP-24 SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
317	2233	9453	9166						
	2233	9454	9167	472	60	4	39	0	6-46 5-41 4-43 3-45 2-70 1-54
	2303	9454	9196						
	2303	9455	9197	460	60	4	39	0	6-47 5-42 4-42 3-45 2-70 1-54
	2333	9455	9226						
	2333	9456	9227	450	60	4	39	0	6-46 5-40 4-43 3-45 2-71 1-53
318	0003	9456	9256						@2348Z CHANGED DELAY TO 5 SECONDS
	0003	9457	9257	441	60	4	39	0/5	6-48 5-45 4-43 3-47 2-71 1-55
	0033	9457	9286						
	0033	9458	9287	438	60	4	39	5	6-48 5-42 4-44 3-47 2-73 1-56
	01:03	9458	9316						@0047 CHANGE DELAY TO 8 SECONDS @ 100 LANCES
	01:03	9459	9317	432	60	4	39	5/8	6-48 5-41 4-42 3-48 2-70 1-55
	01:26	9459	9338						MISSED 1ST SHOT - TAPE REWOUND
	01:27	9460	9340	418	60	4	39	8	6-48 5-44 4-42 3-47 2-72 1-54
	01:28							10	CHANGE DELAY TO 10 SECOND @ 1747 LANCES
	01:57	9460	9369						
	01:57	9461	9370	360	60	4	39	10	6-49 5-45 4-44 3-47 2-69 1-54
	02:27	9461	9399						
	02:27	9462	9400	285	60	4	39	10	6-55 5-49 4-42 3-44 2-70 1-55

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DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG B

LINE TYPE ESP-24 SOURCE AIR GUNS

BPI 1600

[illegible]

R/V CONRADAND R/V'S DFS IV 5.0 CHANNELSCRUISE 26-12AREA CHINA MARGINFORMAT: SEG-BLINE NO 620LINE TYPE CDPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
318	0300	9463	9405	355	20	4	12	0	START LINE 620
	0333	9463	9505						
	0337	9464	9506	510	20	4	12	0	6-57 5-46 4-42 3-46 2-70 1-54
	0407	9464	9607						
	0407	9465	9608	590	20	4	12	0	6-35 5-30 4-40 3-45 2-72 1-54
	0441	9465	9708						
	0441	9466	9709	810	20	4	12	0	6-38 5-31 4-41 3-44 2-72 1-54
	0515	9466	9810						
	0515	9467	9811	950	20	4	12	0	6-38 5-32 4-42 3-48 2-70 1-55
	0544	9467	9811						
	0549	9468	9912	1095	20	4	12	0	6-40 5-35 4-45 3-50 2-73 1-55
	0623	9468	10014						
	0623	9469	10015	1350	20	4	12	0	6-40 5-36 4-45 3-50 2-73 1-55
	0657	9469	10115						
	0657	9470	10116	1575	20	4	12	0	6-39 5-33 4-42 3-49 2-72 1-54
	0731	9470	10218						
	0731	9471	10219	1775	20	4	12	0	6-40 5-35 4-42 3-49 2-72 1-55
	0805	9471	10319						
318	0805	9472	10320	1830	20	4	12	0	6-40 5-35 4-43 3-49 2-72 1-54

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE CDP SOURCE AIRGUNS

DFS IV 2 CHANNELS

FORMAT: SEG-13

BFI 1600[illegible]

RECORDING LOG

PAGE NO. 791R/V CONRADAND R/V'S HAI YANG-4CRUISE 26-12AREA CHINA MARGINLINE NO 621LINE TYPE ESP-22' SOURCE AIRGUNSDFS IV 40 CHANNELSFORMAT: SEG-BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
318	0901	9473	10421	1964	60	4	39	10	6-50 5-60 4-43 3-50 2-67 1-55
	0931	9473	10450						
	0931	9474	10451	2000	60	4	39	10	6-40 5-34 4-41 3-50 2-68 1-60
	1001	9474	10480						10:00 change delay 10-8 Sec
	1001	9475	10481	1915	60	4	39	8	6-37 5-60 4-45 3-50 2-69 1-54
	1031	9475	10510						
	1031	9476	10511	1918	60	4	39	8/5	6-37 5-27 4-40 3-49 2-68 1-56
	1101	9476	10540						10:44 change delay 8-5 Sec
	1101	9477	10541	1840	60	4	39	5	6-35 5-33 4-41 3-49 2-69 1-53
	1131	9477	10570						
	1131	9478	10571	1758	60	4	39	5	6-38 5-37 4-46 3-53 2-71 1-54
	1201	9478	10600						at 11437 CHANGED DELAY TO 0 SECONDS
	1201	9479	10601	1670	60	4	39	5/0	6-42 5-51 4-50 3-55 2-73 1-57
	1231	9479	10630						
	1231	9480	10631	1617	60	4	39	0	6-40 5-50 4-48 3-58 2-68 1-53
	1301	9480	10660						
	1301	9481	10661	1565	60	4	39	0	6-40 5-43 4-44 3-52 2-70 1-55
	1330	9481	10690						
	1331	9482	10691	1525	60	4	39		6-45 5-50 4-49 3-53 2-69 1-56

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AND R/U'S HAI YANG 4

DFS IV 40 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE ESP-22

SOURCE AIR GUNS

BPI 1600

[illegible]

R/V LENRADAND R/V'S HAI YANG - 4CRUISE RC26-12AREA CHINA MARGINLINE NO. 622LINE TYPE ESP-23' SOURCE AIRGUNS'DFS IV 40 CHANNELSFORMAT: SEG-BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
318	2030	9490	10930	901	60	4	39	10	6-52 5-46 4-42 3-50 2-69 1-54
	2900	9490	10959						
	2100	9491	10960	902	60	4	39	10	6-54 5-42 4-41 3-50 2-71 1-53
	2130	9491	10989						
	2130	9492	10990	895	60	4	39	10	6-52 5-42 4-38 3-49 2-71 1-53
	2200	9492	11019						
	2200	9493	11020	880	60	4	39	19/8	6-46 5-40 4-40 3-46 2-71 1-54
	2230	9493	11049						22:27 change delay 10 → 8 Sec
	2230	9494	11050	852	60	4	39	8	6-50 5-40 4-37 3-47 2-70 1-55
	2300	9494	11080						
	2300	9495	11081	870	60	4	39	8/5	6-56 5-44 4-40 3-53 2-72 1-56
	2330	9495	11110						23:11 change delay 8 → 5 Sec
	2330	9496	11111	905	60	4	39	8/5	6-55 5-45 4-40 3-52 2-71 1-55
319	0000	9496	11140						@ 23:44 CHANGE DELAY TO 0 SECONDS
	0000	9497	11141	945	60	4	39	5/0	6-50 5-42 4-41 3-50 2-69 1-55
	0030	9497	11170						
	0030	9498	11171	985	60	4	39	0	6-58 5-41 4-36 3-50 2-72 1-58
	0100	9498	11200						
	0100	9499	11201	998	60	4	39	0	6-53 5-43 4-41 3-48 2-70 1-56

PAGE NO.

DFS IV 2 CHANNELS

FORMAT: SEG-B

BPI 1600[illegible]