

RECORDING LOG

PAGE NO. 11R/V CONRADAND R/V'S Haiyang - 4DFS IV 2 CHANNELSCRUISE 26-13AREA CHINA MARBINFORMAT: SEG-BLINE NO. 623LINE TYPE ESPSOURCE AIRGUN'SBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
324	0300	9502	001	52	60	4	39	10	START LINE: 623
20 NOV 85	03.30	9502	030						
	0330	9503	031	54	60	4	39	10	6-44 5-40 4-46 3-45 2-58 1-50
	0400	9503	060						
	0400	9504	061	51	60	4	39	10	6-44 5-40 4-46 3-35 2-58 1-50
	0406							8	CHANGED DELAY TO 8 SECONDS
	0422	9504	082						MASSIVE PARITY ERRORS - TAKE OFF EARLY
	0422	9505	083	51	60	4	39	8	6-45 5-42 4-48 3-39 2-60 1-52
	0452	9505	112						@0442 CHANGED DELAY TO 5 SECONDS
	0452	9506	113	52	60	4	39	8/5	6-45 5-43 4-49 3-38 2-60 1-51
	0522	9506	142						
	0522	9507	143	53	60	4	39	5	6-45 5-43 4-50 3-39 2-60 1-52
	0552	9507	172						
	0552	9508	173	54	60	4	39	5/0	6-45 5-44 4-49 3-39 2-59 1-51
	0622	9508	202						@0542 CHANGE DELAY TO 0 SECONDS
	0622	9509	203	56	60	4	39	0	6-45 5-45 4-48 3-38 2-60 1-52
	0652	9509	232						
	0652	9510	233	57	60	4	39	0	6-45 5-42 4-48 3-39 2-59 1-50
	0722	9510	262						

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RV CONRADAND R/V'S HAI YANG -4DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO. 623LINE TYPE ESPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
324	0722	9511	263	56	60	4	39	0	6-46 5-42 4-49 3-38 2-60 1-52
	0752	9511	292						
	0752	9512	293	57	60	4	39	0	6-45 5-44 4-49 3-39 2-60 1-51
	0822	9512	322						
	0822	9513	323	57	60	4	39	0	6-45 5-42 4-49 3-38 2-60 1-51
	0852	9513	352						
	0852	9514	353	60	60	4	39	0.5	6-46 5-42 4-48 3-39 2-60 1-53
	0922	9514	382						@ 0916 CHANGE DELAY TO 5 SECOND
	0922	9515	383	60	60	4	39	0.5	6-46 5-42 4-49 3-40 2-60 1-52
	0952	9515	412						
	0952	9516	413	60	60	4	39	5/8	6-47 5-43 4-49 3-39 2-61 1-52
	1022	9516	442						1016Z change delay 5→8sec
	1022	9517	443	60	60	4	39	8	6-45 5-40 4-46 3-35 2-60 1-50
	1032	9517	472						
	1052	9518	473	60	60	4	39	8	6-47 5-42 4-45 3-36 2-60 1-50
	1122	9518	502						
	1122	9519	503	60	60	4	39	10	6-45 5-40 4-45 3-34 2-58 1-50
	1152	9519	532						1058Z change delay 8-10sec
324	1152	9520	533		60	4	39	10	6-48 5-42 4-45 3-35 2-60 1-50

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AND R/U'S HAI YANG-4

AREA CHINA MARGIN

LINE TYPE ESP

SOURCE AIRGUNS

DFS IV 28 CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. (4)....R/V CONRADAND R/V S. CRUISE 26-13AREA CHINA MARGINLINE NO. 624LINE 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
324	12:25	9521	548	60	20	4	12	0	START LINE 624
	12:58	9521	641						Lost a shot
	12:58	9522	642	60	20	4	12	0	6-43 5-42 4-47 3-35 2-57 1-48
	13:33	9522	744						
	13:33	9523	745	65	20	4	12	0	6-40 5-40 4-50 3-35 2-60 1-50
	14:07	9523	845						
	14:07	9524	846	65	20	4	12	0	6-40 5-40 4-45 3-35 2-60 1-50
	14:41	9524	947						
	14:41	9525	948	65	20	4	12	0	6-40 5-40 4-46 3-35 2-57 1-47
	15:15	9525	1050						
	15:15	9526	1051	70	20	4	12	0	6-40 5-40 4-45 3-35 2-60 1-48
	15:49	9526	1153						
	15:49	9527	1154	72	20	4	12	0	6-43 5-40 4-46 3-35 2-56 1-47
	16:23	9527	1254						
	16:23	9528	1255	80	20	4	12	0	6-42 5-40 4-47 3-37 2-58 1-49
	16:57	9528	1356						
	16:57	9529	1357	85	20	4	12	0	6-44 5-40 4-46 3-35 2-57 1-47
	17:31	9529	1457						
	17:31	9530	1458	88	20	4	12	0	6-45 5-41 4-46 3-37 2-57 1-46

R/V CONRADAND R/V'S ✓CRUISE 26-13AREA CHINA MARGINLINE NO 624LINE TYPE CDPSOURCE 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
324	18:03	9530	1560						
	18:03	9531	1561	88	20	4	12	0	6-40 5-40 4-46 3-35 2-59 1-50
	1829	9531	1633						
	1829	9532	1634	90	20	4	12	0	6-50 5-40 4-45 3-34 2-57 1-50
	1903	9532	1735						
	1903	9533	1736	93	20	4	12	0	6-47 5-40 4-45 3-34 2-58 1-48
	1937	9533	1836						
	1937	9534	1837	95	20	4	12	0	6-50 5-42 4-45 3-34 2-56 1-47
	2011	9534	1938						
	2011	9535	1939	98	20	4	12	0	6-47 5-40 4-46 3-35 2-57 1-48
	2013	9535	1942						
	2013	9536	1943	98	20	4	12	0	6-47 5-40 4-45 3-36 2-57 1-48
	2048	9536	2045						
	2048	9537	2046	107	20	4	12	0	6-51 5-40 4-45 3-33 2-58 1-48
	2121	9537	2146						
	2121	9538	2147	105	20	4	12	0	6-55 5-43 4-45 3-34 2-60 1-47
	2254	9538	2248						
	2254	9539	2249	110	20	4	12	0	6-53 5-42 4-45 3-36 2-61 1-49
324	2229	9539	2349						

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R/V CONRAD

AND R/V'S _____

CRUISE 26-13

AREA CHINA MARGIN

LINE NO 624

LINE TYPE CDP SOURCE AIRGUNS

DFS IV £8 CHANNELS

FORMAT: SEG-3

BFI 1600

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PAGE NO. 17RV CONRADAND R/V'S HIA YANG-4DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO 625LINE TYPE ESPSOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
324 / 325	2355	9542	2489	128	60	4	39	10	START LINE 625
325	0026	9542	2519						
	0026	9543	2520	120	60	4	39	10	6-40 5-32 4-40 3-45 2-56 1-44
	0056	9543	2549						
	0056	9544	2550	115	60	4	39	10	6-40 5-37 4-45 3-32 2-52 1-47
	0105							8	change delay to 8 sec
	0126	9544	2579						
	0126	9545	2580	114	60	4	39	8	6-40 5-40 4-46 3-31 2-54 1-50
	0145							5	change delay to 5 sec
	0156	9545	2609						
	0156	9546	2610	119	60	4	39	5	6-40 5-40 4-45 3-33 2-64 1-53
	0226	9546	2639						change delay to 0 sec @ 0249Z
	0226	9547	2640	115	60	4	39	5/0	6-40 5-37 4-43 3-33 2-56 1-50
	0256	9547	2669						
	0256	9548	2670	112	60	4	39	0	6-40 5-35 4-42 3-32 2-59 1-62
	0326	9548	2699						
	0326	9549	2700	112	60	4	39	0	6-39 5-35 4-43 3-33 2-57 1-50
	0356	9549	2729						
	0356	9550	2730	108	60	4	39	0	6-40 5-39 4-44 3-35 2-57 1-51

RECORDING LOG

PAGE NO. 8R/V CONRADAND R/V'S HIA YANG - 4DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO. 625LINE TYPE ESPSOURCE AIRGUNSBPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
325	0426	9550	2759						
	0426	9551	2760	97	60	4	39	0	6-40 5-40 4-44 3-35 2-60 1-52
	0456	9551	2789						
	0456	9552	2790	95	60	4	39	0	6-40 5-39 4-44 3-38 2-60 1-53
	0526	9552	2819						
	0526	9553	2820	91	60	4	39	0	6-40 5-40 4-45 3-36 2-57 1-51
	0556	9553	2849						
	0556	9554	2850	92	60	4	39	0	6-40 5-40 4-45 3-35 2-55 1-49
	0626	9554	2879						@ 0601 Z CHANGE DELAY TO 5 SECONDS
	0626	9555	2880	90	60	4	39	0/5	6-39 5-45 4-49 3-41 2-62 1-53
	0656	9555	2909						
	0656	9556	2910	88	60	4	39	5	6-41 5-47 4-48 3-41 2-61 1-51
	0726	9556	2939						@ 0658 Z CHANGE DELAY TO 8 SECONDS
	0726	9557	2940	85	60	4	39	8	6-40 5-47 4-49 3-42 2-62 1-52
	0756	9557	2969						@ 0738 Z CHANGE DELAY TO 8 TO 10 SECONDS
	0756	9558	2970	86	60	4	39	10	6-41 5-47 4-49 3-42 2-61 1-52
	0826	9558	2999						
	0826	9559	3000	86	60	4	39	10	6-46 5-44 4-49 3-41 2-62 1-52
	0856	9559	3029						

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AND R/U'S HIA YANG - 4

AREA CHINA MARGIN

LINE TYPE ESP

SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG-B

BFI 1600

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RECORDING LOG

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R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO. 626LINE TYPE CDP 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
325	0930	9561	3445		20	4	12	0	BEGIN CDP LINE NO. 626
	1011	9561	3145						
	1011	9562	3146	90	20	4	12	0	6-40 5-40 4-45 3-40 2-60 1-50
	1045	9562	3248						
	1045	9563	3249	90	20	4	12	0	6-41 5-34 4-45 3-38 2-61 1-50
	1119	9563	3349						
	1119	9564	3350	90	20	4	12	0	6-40 5-30 4-45 3-38 2-60 1-50
	11:53	9564	3451						
	11:53	9565	3452	85	20	4	12	0	6-40 5-31 4-45 3-38 2-60 1-50
	12:27	9565	3553						
	12:27	9566	3554	85	20	4	12	0	6-41 5-31 4-45 3-39 2-61 1-50
	13:01	9566	3655						
	13:01	9567	3656	110	20	4	12	0	6-41 5-30 4-45 3-38 2-60 1-50
	13:25	9567	3756						
	13:35	9568	3857	118	20	4	12	0	6-40 5-35 4-45 3-38 2-60 1-50
	14:08	9568	3858						
	14:08	9569	3859	132	20	4	12	0	6-40 5-35 4-45 3-38 2-60 1-50
	14:42	9569	3959						
	14:42	9570	3960	145	20	4	12	0	6-40 5-33 4-45 3-39 2-60 1-50

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE COD SOURCE AIRGONS

DFS IV 40 CHANNELS

FORMAT: SE4-13

BRI 1600

[illegible]

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PAGE NO. 127R/V CONRADAND R/V'S HAI YANG - CCRUISE 26-13AREA CHINA MARGINLINE NO. 627LINE TYPE ESP-13 SOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG-BSPT. 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
325	1730	9574	4341	220	60	4	39	10	6-63 5-45 4-50 3-39 2-63 1-51 ^{START OF LINE 627}
	1800	9574	4370						
	1800	9575	4371	160	60	4	39	10	6-47 5-37 4-45 3-40 2-67 1-55
	1830	9575	4400						
	1830	9576	4401	165	60	4	39	10	6-55 5-48 4-48 3-40 2-62 1-51
	1900	9576	4430						
	1900	9577	4431	220	60	4	39	10	6-45 5-44 4-50 3-43 2-65 1-49
	1930	9577	4460						19:40 change delay 10 → 5 Sec
	1930	9578	4461	215	60	4	39	10/5	6-46 5-42 4-48 3-40 2-63 1-50
	2000	9578	4490						
	2000	9579	4491	204	60	4	39	5/0	6-46 5-43 4-48 3-39 2-63 1-53
	2030	9579	4520						20:19 change delay 5 → 0 Sec
	2030	9580	4521	199	60	4	39	0	6-45 5-42 4-50 3-38 2-62 1-50
	2100	9580	4550						
	2100	9581	4551	197	60	4	39	0	6-47 5-43 4-50 3-40 2-63 1-49
	2130	9581	4580						
	2130	9582	4581	196	60	4	39	0	6-49 5-45 4-47 3-41 2-62 1-56
	2200	9582	4610						
325	2200	9583	4611	196	60	4	39	0	6-46 5-46 4-47 3-40 2-61 1-50

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AND R/U'S HAI YANG-4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE ESP-13 SOURCE AIRGUNS

BFI 1650

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
325	2230	9583	4640						
	2230	9584	4641	195	60	4	39	0	6-46 5-45 4-46 3-40 2-61 1-52
	2300	9584	4670						
	2300	9585	4671	192	60	4	39	0	6-52 5-42 4-47 3-40 2-65 1-54
	2330	9585	4700						change delay to 5 sec @ 2354 z
	2330	9586	4701	190	60	4	39	0/5	6-50 5-40 4-45 3-40 2-62 1-51
	2400	9586	4730						
325/326	2400	9587	4731	190	60	4	39	5	6-51 5-42 4-45 3-40 2-60 1-50
326	0030	9587	4760						change delay to 8 sec @ 0056 z
	0030	9588	4761	189	60	4	39	5/8	6-49 5-40 4-45 3-40 2-64 1-53
	0100	9588	4790						
	0100	9589	4791	188	60	4	39	8	6-48 5-36 4-45 3-40 2-60 1-51
	0130	9589	4820						change delay to 10 sec @ 0137 z
	0130	9590	4821	189	60	4	39	8/10	6-50 5-40 4-45 3-40 2-60 1-51
	0200	9590	4850						
	0200	9591	4851	188	60	4	39	10	6-52 5-40 4-45 3-40 2-61 1-51
	0230	9591	4880						
	0230	9592	4881	186	60	4	39	10	6-50 5-40 4-45 3-40 2-63 1-54
	0241	9592	4891						STOP LINE 627

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AND R/V'S HAIRING 4

AREA CHINA MARGIN

LINE TYPE ESP SOURCE AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG. B

BFI 1600

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE CDD SOURCE AIRGUNS

DFS IV FD CHANNELS

FORMAT: SEG-B

BFI 1600[illegible]

RECORDING LOG

PAGE NO. (16)RV CONRADAND R/V'S HAI YANG - 4DFS IV 40 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG - BLINE NO 629LINE TYPE ESP#14 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
326	0730	9600	5529	315	60	4	39	10	BEGIN ESP#14
	0800	9600	5558						
	0800	9601	5559	316	60	4	39	10	6-41 5-41 4-45 3-42 2-60 1-53
	0830	9601	5588						@ 0828Z CHANGE DELAY TO 8 SECONDS
	0830	9602	5589	320	60	4	39	10/8	6-40 5-42 4-45 3-40 2-62 1-52
	0900	9602	5618						
	0900	9603	5619	325	60	4	39	8	6-40 5-43 4-45 3-39 2-60 1-50
	0914								change delay to 5 sec
	0930	9603	5648						
	0930	9604	5649	330	60	4	39	5	6-40 5-44 4-45 3-39 2-61 1-49
	1000	9604	5678						
	1000	9605	5679	340	60	4	39	5	6-40 5-45 4-45 3-39 2-60 1-50
	1030	9605	5708						1008Z delay change 5-0sec
	1030	9606	5709	355	60	4	39	5	6-42 5-45 4-45 3-40 2-60 1-50
	1100	9606	5738						
	1100	9607	5739	355	60	4	39	5	6-42 5-45 4-45 3-39 2-61 1-50
	1130	9607	5768						
	1130	9608	5769	360	60	4	39	5	6-45 5-45 4-45 3-40 2-60 1-50
	1200	9608	5798						

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AND R/V'S HAI YANG 4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG-B

LINE TYPE ESP-14 SOURCE AIRGUNS

BRI 1600

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AND R/V'S

AREA CHINA MARGIN

LINE TYPE CDP

SOURCE AIRGUNS

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DFS IV 48 CHANNELS

FORMAT: SEG-13

BPI 1670[illegible]

RECORDING LOG

PAGE NO. (18)R/V CONRADAND R/V'S HAI YANG-4DFS IV 45 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO. 631LINE TYPE ESP-15 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					
326	2030	9624	6640	945	60	4	39	10	6-43	5-35	4-50	3-45	2-67	1-55
	2100	9624	6669											
	2100	9625	6670	998	60	4	39	10/8	6-40	5-36	4-45	3-40	2-63	1-55
	2130	9625	6699						21:27 change delay 10 → 8 sec					
	2130	9626	6700	1038	60	4	39	8	6-44	5-40	4-47	3-40	2-63	1-54
	2200	9626	6729						change delay from 8 → 5 sec @ 2210 z					
	2200	9627	6730	1068	60	4	39	5	6-41	5-36	4-41	3-41	2-61	1-53
	2230	9627	6759											
	2230	9628	6760	1085	60	4	39	5	6-42	5-38	4-41	3-40	2-62	1-53
	2300	9628	6789						change delay from 5 → 0 sec @ 2315 z					
	2300	9629	6790	1085	60	4	39	0	6-40	5-35	4-40	3-40	2-61	1-52
	2330	9629	6819											
	2330	9630	6820	1070	60	4	39	0	6-40	5-36	4-46	3-40	2-63	1-52
	2400	9630	6849											
326/ 327	2400	9631	6850	1060	60	4	39	0	6-40	5-37	4-45	3-40	2-64	1-54
	0030	9631	6879											
	0030	9632	6880	1055	60	4	39	0	6-40	5-36	4-45	3-40	2-61	1-54
	0100	9632	6909											
327	0100	9633	6910	1045	60	4	39	0	6-40	5-35	4-45	3-40	2-62	1-52

RECORDING LOG

PAGE NO. 120R/V CONRADAND R/V'S HAI YANG-4DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEB-BLINE NO. 631LINE TYPE ESP-15 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
327	0130	9633	6939						
	0130	9634	6940	1030	60	4	39	0	6-40 5-34 4-45 3-40 2-61 1-51
	0200	9634	6969						
	0200	9635	6970	1000	60	4	39	0	6-40 5-35 4-45 3-41 2-61 1-54
	0202	9635	6970						
	0202	9636	6971	999	60	4	39	0	6-40 5-35 4-44 3-40 2-60 1-52
	0231	9636	6999						change delay from 0 → 5 sec @ 0240
	0231	9637	7001	990	60	4	39	5/8	6-40 5-34 4-43 3-40 2-60 1-50
	0300	9637	7029						
	0300	9638	7030	980	60	4	39	5	6-41 5-32 4-44 3-39 2-61 1-51
	0330	9638	7059						change delay from 5 → 8 sec @ 0341 Z
	0330	9639	7060	940	60	4	39	5/8	6-41 5-37 4-43 3-39 2-64 1-51
	0400	9639	7089						
	0400	9640	7090	932	60	4	39	8	6-41 5-36 4-45 3-40 2-60 1-51
	0430	9640	7119						
	0430	9641	7120	927	60	4	39	8	
	0432	9641	7120						TAPE REWOUND + MISSED 1 SHOT
	0432	9642	7121	927	60	4	39	10	6-40 5-35 4-45 3-40 2-63 1-54
	0502	9642	7150						

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AND R/V'S HAI YANG - 4

DFS IV 48 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG - B

LINE TYPE ESP-15 SOURCE AIRGUNS

BPI 1600[illegible]

PAGE NO. 22

AND R/V'S _____

DFS IV 18 CHANNELS

AREA CHINA MARGIN

FORMAT: SEG - B

LINE TYPE COP SOURCE ARGUNS

BPI 1600

[illegible]

RECORDING LOG

PAGE NO. 23RV CONRADAND R/V'S HAI YANG -4DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO 633LINE TYPE ESP-16 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
327	1100	9653	7833	2325	60	4	39	10	- BEGIN LINE 633 - ESP#16 -
	1130	9653	7862						
	1130	9654	7863	2365	60	4	39	10	6-45 5-35 4-45 3-40 2-62 1-55
	1200	9654	7892						1210Z delay change 10-8sec
	1200	9655	7893	2365	60	4	39	8	6-45 5-35 4-45 3-40 2-61 1-55
	1230	9655	7922						1251Z delay change 8-5sec
	1230	9656	7923	2390	60	4	39	25	6-42 5-35 4-45 3-40 2-62 1-52
	1300	9656	7952						
	1300	9657	7953	2430	60	4	39	5	6-42 5-35 4-45 3-40 2-62 1-52
	1330	9657	7982						
	1330	9658	7983	2420	60	4	39	5	6-45 5-35 4-45 3-40 2-62 1-52
	1400	9658	8012						1352Z delay change 5-0sec
	1400	9659	8013	2410	60	4	39	0	6-45 5-35 4-45 3-40 2-62 1-51
	1430	9659	8042						
	1430	9660	8043	2415	60	4	39	0	6-45 5-35 4-45 3-40 2-62 1-52
	1500	9660	8072						
	1500	9661	8073	2445	60	4	39	0	6-45 5-35 4-46 3-40 2-62 1-52
	1530	9661	8102						
	1530	9662	8103	2425	60	4	39	0	6-45 5-35 4-45 3-40 2-64 1-52

RV CONRADAND RV'S HAI YANG-4CRUISE 26-13AREA CHINA MARGINLINE NO 633LINE TYPE ESP-16SOURCE AIRGUNSDFS IV 28 CHANNELSFORMAT: SE4-BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
327	1600	9662	8132						
	1600	9663	8133	2325	60	4	39	0	6-45 5-35 4-45 3-40 2-62 1-51
	1633	9663	8162						
	1633	9664	8163	2200	60	4	39	0	6-45 5-36 4-45 3-40 2-62 1-52
	1648	9664	8176						Lost one shot
	1648	9665	8177	2125	60	4	39	0/5	6-44 5-38 4-45 3-45 2-62 1-50
	1719	9665	8207						17:13 change delay 0 → 5 Sec
	1719	9666	8208	2095	60	4	39	5	6-45 5-40 4-44 3-43 2-60 1-50
	1750	9666	8238						
	1750	9667	8239	2075	60	4	39	5/8	6-42 5-37 4-46 3-45 2-62 1-53
	1820	9667	8268						18:16 change delay 5 → 8 Sec
	1820	9668	8269	2020	60	4	39	8	6-44 5-36 4-46 3-40 2-64 1-56
	1850	9668	8298						
	1850	9669	8299	1905	60	4	39	8/10	6-43 5-37 4-45 3-43 2-63 1-53
	1920	9669	8328						19:01 change delay 8 → 10 Sec
	1920	9670	8329	1825	60	4	39	10	6-43 5-39 4-45 3-42 2-62 1-53
	1950	9670	8358						
	1950	9671	8359	1830	60	4	39	10	6-40 5-40 4-45 3-40 2-60 1-50
	2000	9671	8368						END LINE 633

RECORDING LOG

PAGE NO. 125R/V CONRADAND R/V'S /CRUISE 26-13AREA CHINA MARGINLINE NO 634LINE TYPE CDP SOURCE AIRGUNSDFS IV 48 CHANNELSFORMAT: SBG-13BPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
327	2027	9672	8369	1935	20	4	12	0	6-45 5-33 4-47 3-42 2-62 1-54
	2054	9672	8469						
	2054	9673	8470	1995	20	4	12	0	6-46 5-32 4-44 3-38 2-62 1-50
	2129	9673	8571						
	2129	9674	8572	2400	20	4	12	0	6-44 5-31 4-44 3-39 2-61 1-51
	2202	9674	8672						
	2202	9675	8673	2900	20	4	12	0	6-43 5-32 4-44 3-39 2-61 1-51
	2236	9675	8774						
	2236	9676	8775	3240	20	4	12	0	6-40 5-34 4-45 3-40 2-64 1-54
	2310	9676	8875						
	2310	9677	8876	3337	20	4	12	0	6-40 5-35 4-45 3-40 2-62 1-52
	2344	9677	8977						
	2344	9678	8978	3040	20	4	12	0	6-40 5-34 4-45 3-40 2-61 1-51
327/ 328	2418	9678	9079						
	2418	9679	9080	2890	20	4	12	0	6-40 5-37 4-46 3-40 2-62 1-52
	0052	9679	9181						
	0052	9680	9182	2935	20	4	12	0	6-40 5-39 4-47 3-41 2-64 1-51
	0126	9680	9282						
328	0126	9681	9283	3020	20	4	12	0	6-40 5-35 4-45 3-40 2-61 1-52

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AND R/U'S _____

AREA CHINA MARGIN

LINE TYPE CDP

SOURCE AIRGUNS

DFS IV 28 CHANNELS

FORMAT: SEG-B

BFI 1600

[illegible]

RECORDING LOG

PAGE NO. (27)RV CONRADAND R/V'S HAI YANG-4CRUISE 26-13AREA CHINA MARGINLINE NO 635LINE TYPE ESP-17' SOURCE AIRGUNSDFS IV 28 CHANNELSFORMAT: SEGTBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
328	0300	9684	9541	3065	60	4	39	10	START LINE 635
	0330	9684	9570						
	0330	9685	9571	3000	60	4	39	10	6-45 5-43 4-50 3-44 2-64 1-54
	0400	9685	9600						
	0400	9686	9601	2893	60	4	39	10	6-45 5-45 4-50 3-46 2-65 1-55
	0430	9686	9630						
	0430	9687	9631	2432	60	4	39	10	6-45 5-45 4-52 3-47 2-66 1-56
	0500	9687	9660						@0445 CHANGE DELAY TO 5 SECONDS
	0500	9688	9661	2192	60	4	39	5	6-45 5-43 4-50 3-46 2-64 1-57
	0530	9688	9690						
	0530	9689	9691	2012	60	4	39	5	6-50 5-45 4-50 3-46 2-65 1-56
	0600	9689	9720						
	0600	9690	9721	1970	60	4	39	5	6-48 5-44 4-50 3-44 2-64 1-55
	0630	9690	9750						
	0630	9691	9751	1832	60	4	39	5	6-47 5-45 4-49 3-44 2-66 1-58
	0700	9691	9780						@0630 CHANGE DELAY TO 0 SECONDS
	0700	9692	9781	1703	60	4	39	0	6-46 5-43 4-50 3-43 2-61 1-56
	0730	9692	9810						
	0730	9693	9811	1684	60	4	39	0	6-47 5-41 4-49 3-48 2-67 1-58

R/V CONRADAND R/V'S HAI YANG - 4DFS IV 78 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO 635LINE TYPE ESP-17SOURCE AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
328	0800	9693	9840						
	0800	9694	9841	1648	60	4	39	0	6-48 5-45 4-50 3-45 2-67 1-59
	0830	9694	9870						
	0830	9695	9871	1684	60	4	39	0	6-48 5-42 4-50 3-46 2-68 1-58
	0900	9695	9900						
	0900	9696	9901	1650	60	4	39	0	6-47 5-42 4-50 3-45 2-65 1-58
	0930	9696	9930						
	0930	9697	9931	1620	60	4	39	0	6-45 5-40 4-49 3-46 2-65 1-57
	1000	9697	9960						1023Z delay change 0-5sec
	1000	9698	9961	1670	60	4	39	5	6-45 5-40 4-50 3-36 2-65 1-54
	1030	9698	9990						
	1030	9699	9991	1840	60	4	39	5	6-47 5-45 4-47 3-42 2-60 1-56
	1100	9699	10020						
	1100	9700	10021	1915	60	4	39	5	6-45 5-40 4-45 3-42 2-60 1-52
	1130	9700	10050						1138Z delay change 5-8sec
	1130	9701	10051	1595	60	4	39	8	6-47 5-40 4-42 3-42 2-60 1-58
	1200	9701	10080						
	1200	9702	10081	1500	60	4	39	8	6-47 5-40 4-43 3-42 2-60 1-55
	1207	9702	10089						END OF LINE 635

R/V CORADAND R/V'S CRUISE 26-13AREA CHINA MARGINLINE NO 636LINE TYPE CDP 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
328	1241	9703	10090	1400	20	4	12	0	START OF LINE 636
	1316	9703	10192						
	1316	9704	10193	1610	20	4	12	0	6-30 5-32 4-38 3-45 2-64 1-68
	1349	9704	10293						
	1349	9705	10294	1650	20	4	12	0	6-30 5-33 4-38 3-45 2-64 1-68
	1424	9705	10395						
	1424	9706	10396	1650	20	4	12	0	6-40 5-35 4-40 3-48 2-72 1-62
	1457	9706	10496						
	1457	9707	10497	1770	20	4	12	0	6-40 5-35 4-40 3-48 2-72 1-62
	1531	9707	10498						
	1531	9708	10599	1795	20	4	12	0	6-30 5-35 4-35 3-45 2-69 1-62
	1602	9708	10686						
	1602	9709	10687	1930	20	4	12	0	6-33 5-33 4-36 3-45 2-73 1-66
	1635	9709	10789						
	1635	9710	10790	1910	20	4	12	0	6-40 5-38 4-36 3-40 2-66 1-63
	1709	9710	10888						
	1709	9711	10889	1345	20	4	12	0	6-35 5-34 4-34 3-32 2-51 1-57
	1743	9711	10991						
	1743	9712	10992	1405	20	4	12	0	6-36 5-36 4-35 3-40 2-65 1-64

RECORDING LOG

PAGE NO. (30)R/V CONRADAND R/V'S CRUISE 26-13AREA CHINA MARGINLINE NO 636LINE TYPE CDPSOURCE AIRGUNSDFS IV 40 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
328	1817	9712	11093						
	1817	9713	11094	1520	20	4	12	0	6-35 5-34 4-35 3-47 2-70 1-62
	1851	9713	11196						
	1851	9714	11197	1670	20	4	12	0	6-30 5-33 4-37 3-39 2-65 1-63
	1923	9714	11289						
	1923	9715	11290	1940	20	4	12	0	6-35 5-32 4-29 3-30 2-54 1-63
	1957	9715	11391						
	1957	9716	11392		20	4	12	0	6-37 5-37 4-35 3-39 2-67 1-65
	2031	9716	11492						
	2031	9717	11493	1850	20	4	12	0	6-37 5-37 4-44 3-48 2-71 1-65
	2104	9717	11594						
	2104	9718	11595	1740	20	4	12	0	6-37 5-36 4-36 3-41 2-66 1-62
	2138	9718	11694						
	2138	9719	11695	1670	20	4	12	0	6-35 5-32 4-34 3-32 2-64 1-66
	2211	9719	11796						
	2211	9720	11797	1545	20	4	12	0	6-45 5-35 4-30 3-35 2-64 1-58
	2245	9720	11897						
	2245	9721	11898	1481	20	4	12	0	6-46 5-35 4-34 3-44 2-72 1-62
328	2319	9721	11999						

RECORDING LOG

PAGE NO. (31)

RV CONRADAND R/V'S CRUISE 26-13AREA CHINA MARGINLINE NO. 636LINE TYPE CDPSOURCE AIRGUNSDFS IV FO 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					
328	2319	9722	12001	1325	20	4	12	0	6-59	5-44	4-36	3-36	2-66	1-62
	2352	9722	12100											
328/329	2352	9723	12101	1320	20	4	12	0	6-56	5-44	4-44	3-50	2-75	1-60
	2426	9723	12202											
	2426	9724	12203	1320	20	4	12	0	6-54	5-41	4-34	3-42	2-72	1-65
	0100	9724	12303											
	0100	9725	12304	1320	20	4	12	0	6-65	5-45	4-40	3-42	2-70	1-60
	0134	9725	12405											
	0134	9726	12406	1395	20	4	12	0	6-60	5-42	4-40	3-46	2-72	1-61
	0135	9726	12408											
	0135	9727	12409	1425	20	4	12	0	6-55	5-40	4-40	3-50	2-73	1-62
	0210	9727	12510											
	0210	9728	12511	1380	20	4	12	0	6-57	5-42	4-38	3-40	2-68	1-62
	0244	9728	12610											
	0244	9729	12611	1500	20	4	12	0	6-68	5-45	4-35	3-39	2-67	1-57
	0317	9729	12712											
	0317	9730	12713	1575	20	4	12	0	6-63	5-45	4-42	3-46	2-72	1-65
	0345	9730	12797											
	0345	9731	12798	1540	20	4	12	0	6-56	5-46	4-36	3-35	2-64	1-60

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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. 33R/V CONRADAND R/V'S DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO. 637LINE 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
320	0624	9735	13207	2310	20	4	12	0	6-40 5-36 4-36 3-40 2-60 1-55
	0658	9735	13307						
	0658	9736	13308	2370	20	4	12	0	6-40 5-35 4-48 3-55 2-70 1-66
	0707	9736	13333						*BAD TAPE
	0707	9737	13334	2360	20	4	12	0	
	0740	9737	13334						
	0740	9738	13435	2245	20	4	12	0	6-49 5-42 4-36 3-40 2-75 1-60
	0814	9738	13536						
	0814	9739	13537	2100	20	4	12	0	6-40 5-40 4-50 3-49 2-66 1-54
	0848	9739	13636						
	0848	9740	13637	2091	20	4	12	0	6-40 5-36 4-40 3-45 2-63 1-62
	0918	9740	13738						
	0918	9740	13739		20	4	12	0	6-41 5-32 4-40 3-45 2-65 1-60
	0955	9741	13839						
	0955	9742	13840		20	4	12	0	6-37 5-35 4-38 3-50 2-70 1-64
	1029	9742	13941						
	1029	9743	13942		20	4	12	0	
	1103	9743	14043						
	1103	9744	14044	1960	20	4	12	0	6-58 5-38 4-27 3-24 2-45 1-56

RECORDING LOG

PAGE NO. B4R/V CONRADAND R/V'S CRUISE 26-13AREA CHINA MARGINLINE NO 637LINE TYPE CODSOURCE AIRBUNSDFS 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
329	1137	9744	14146						
	1137	9745	14147	1880	20	4	12	0	6-58 5-58 4-28 3-25 2-45 1-55
	1156	9745	14177						Lost two shots?
	1156	9746	14178	1950	20	4	12	0	6-50 5-37 4-22 3-15 2-43 1-56
	1230	9746	14279						
	1230	9747	14280	2090	20	4	12	0	6-50 5-37 4-22 3-15 2-43 1-55
	1237	9747	14297						
	1237	9748	14298	2100	20	4	12	0	
	1311	9748	14397						
	1311	9749	14398	2115	20	4	12	0	6-45 5-45 4-50 3-45 2-69 1-60
	1313	9749	14401						
	1314	9750	14402	2110	20	4	12	0	6-45 5-45 4-50 3-45 2-69 1-60
	1349	9750	14504						
	1349	9751	14505	1940	20	4	12	0	6-35 5-40 4-45 3-42 2-69 1-60
	1422	9751	14605						
	1422	9752	14606	2000	20	4	12	0	6-40 5-38 4-47 3-45 2-68 1-60
	1456	9752	14707						
	1456	9753	14708	2010	20	4	12	0	6-42 5-40 4-50 3-45 2-70 1-60
	1528	9753	14801						

RECORDING LOG

PAGE NO.

R/V CONRADAND R/V'S —DFS IV 48 CHANNELSCRUISE 26-13AREA CHINA MARGINFORMAT: SEG-BLINE NO 637LINE 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
1528	1528	9754	14802	2040	20	4	12	0	6-40 5-40 4-50 3-45 2-69 1-60
329	1602	9754	14905						
	1602	9755	14905	2028	20	4	12	0	6-40 5-37 4-45 3-44 2-69 1-63
	1636	9755	15006						
	1636	9756	15007	2675	20	4	12	0	6-43 5-41 4-53 3-47 2-69 1-62
	1710	9756	15108						
	1710	9757	15109	2605	20	4	12	0	6-42 5-42 4-49 3-48 2-69 1-62
	1744	9757	15209						
	1744	9758	15210	2300	20	4	12	0	6-40 5-41 4-45 3-49 2-70 1-61
	1818	9758	15312						
	1818	9759	15313	2950	20	4	12	0	6-41 5-41 4-50 3-48 2-70 1-62
	1839	9759	15374						
	1839	9760	15375	2300	20	4	12	0	6-41 5-42 4-50 3-48 2-70 1-62
	1913	9760	15476						
	1913	9761	15477	2510	20	4	12	0	6-41 5-42 4-50 3-48 2-70 1-62
	1947	9761	15577						
	1947	9762	15578	2155	20	4	12	0	6-40 5-45 4-51 3-47 2-70 1-62
	2021	9762	15679						
	2021	9763	15680	1980	20	4	12	0	6-41 5-44 4-50 3-45 2-68 1-60

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AND R/V'S _____

AREA CHINA MARGIN

LINE TYPE CDP

SOURCE AIRGUNS

DFS IV 5 CHANNELS

FORMAT: SEG-B

BRILL 600

[illegible]