

MULTICHANNEL LINE LOG

PAGE NO. 1CRUISE RC24-05LINE 001NUMBER OF SHIPS 1THIS SHIP R/V R.D. CONRADCDP 48COP N/AAIRGUNS 4 - 466cu.in.EXPLOSIVES N/A3 - 466cu.in. EA.

RECEIVING SHIPS

R/V CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

R/V CONRAD

SHOT INTERVAL

20 SEC.

APPROXIMATE SHOT

TIME (SEC)

DATE

4/30/83

TIME

GMT

1722 (FIX)1720

LATITUDE

30° 41.00' N

LONGITUDE

16° 33.40' W

DATATAPE

NO.

001

LOGTAPE

NO

027

START LINE

4/30/83

END LINE

5/4/830123 GMT (DR)30° 16.00' N9° 46.67' W093.030DAY 124

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
<u>R/V CONRAD</u>	<u>246.5m</u>				

MULTICHANNEL LINE LOG

PAGE NO. 2....

CRUISE RC 2405 LINE 002 NUMBER OF SHIPS 1 THIS SHIP R/V CONRAD.
 CDP ✓ COP _____ AIRGUNS 3 @ 46in³ ea. EXPLOSIVES _____

RECEIVING SHIPS

R/V CONRAD.

NUMBER OF TRACES

48

GROUP SPACING

50m.

SHOOTING SHIPS

R/V CONRAD.

SHOT INTERVAL

50m.APPROXIMATE SHOT
TIME (SEC)20

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>5/9/83 DAY 124</u>	<u>0340.</u>	<u>30° 07' N</u>	<u>9° 52' W</u>	<u>94</u>	<u>30.</u>
END LINE	<u>4 May 1983 Day 124</u>	<u>1648</u>	<u>30° 16.2' N</u>	<u>10° 02' W</u>	<u>109</u>	<u>32</u>

DISTANCES WHERE APPLICABLE

SHIP	AIRGUN TO 1ST RECEIVER	MINIRANGER TO AIRGUNS	ANTENNA TO 1ST RECEIVER	RADIST TO AIRGUNS	ANTENNA TO 1ST RECEIVER
<u>CONRAD.</u>	<u>247m.</u>				

PAGE NO. 3

THIS SHIP R/V Conrad

EXPLOSIVES _____

50 m

50 m

20

LOGTAPE
NO

32

34

DISTANCES WHERE APPLICABLE

ANTENNA
TO
1ST RECEIVER

MULTICHANNEL LINE LOG

PAGE NO. 054CRUISE RC24-05LINE 04NUMBER OF SHIPS 1THIS SHIP R/V CONRADCDP ✓COP —AIRGUNS 4/46 in air-gunsEXPLOSIVES —

RECEIVING SHIPS

R/V CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

R/V CONRAD

SHOT INTERVAL

50m

APPROXIMATE SHOT

TIME (SEC)

20 sec.

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>7 MAY, 1983</u>	<u>0730</u>	<u>31° 37.73' N</u>	<u>15° 30.10' W</u>	<u>179</u>	<u>24-034</u>
END LINE	<u>7 MAY, 1983</u>	<u>1755</u>	<u>32° 23.5' N</u>	<u>1505.0' W</u>	<u>192</u>	<u>24-035</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 05CRUISE RC24-05LINE 05NUMBER OF SHIPS 1THIS SHIP R/V CONRADCDP 48COP —AIRGUNS 4/446 in³EXPLOSIVES N/A

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m.

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

50m

APPROXIMATE SHOT

TIME (SEC)

20sec.

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.

START LINE

7 May 19831906 Z32° 21.17' N15° 08.74' W19324-035

END LINE

10 May 19830522 Z32° 15.21' N9° 35.75' W26624-037DISTANCES WHERE APPLICABLE

SHIP

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

MULTICHANNEL LINE LOG

PAGE NO. 06CRUISE R224-05LINE 06NUMBER OF SHIPS 1THIS SHIP R/V ConradCDP 48COP —AIRGUNS 4/466 in³EXPLOSIVES N/A

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

Conrad

SHOT INTERVAL

50mAPPROXIMATE SHOT
TIME (SEC)20sec

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>10 MAY 1983</u>	<u>0522</u>	<u>32° 15.21' N</u>	<u>9° 35.75' W</u>	<u>266</u>	<u>24-037</u>
END LINE	<u>10 MAY 1983</u>	<u>0846</u>	<u>32° 31.31' N</u>	<u>9° 35.34' W</u>	<u>269</u>	<u>24-037</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 07...

CRUISE RC 24-05 LINE 07 NUMBER OF SHIPS 1 THIS SHIP R/V Conrad
 CDP 48 COP _____ AIRGUNS 4/466 in³ EXPLOSIVES _____

RECEIVING SHIPS Conrad _____
 NUMBER OF TRACES 48 _____
 GROUP SPACING 50m _____

SHOOTING SHIPS Conrad _____
 SHOT INTERVAL 50m _____
 APPROXIMATE SHOT TIME (SEC) 20sec _____

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>10 May 1983</u>	<u>0847 (FX)</u> <u>0846 (DR)</u>	<u>32° 31.09' N</u> <u>32° 31.31' N</u>	<u>09° 35.12' W</u> <u>09° 36.34' W</u>	<u>270</u>	<u>24-037</u>
END LINE	<u>10 May 1983</u>	<u>1330 (DR)</u>	<u>32° 38.14' N</u>	<u>09° 15.45' W</u>	<u>275</u>	<u>24-037</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

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CRUISE RC 24-05
CDP 48LINE 08
COP _____NUMBER OF SHIPS 1
AIRGUNS 4 / 4661N³THIS SHIP R/V CONRAD
EXPLOSIVES _____RECEIVING SHIPS CONRAD
NUMBER OF TRACES 48
GROUP SPACING 50mSHOOTING SHIPS CONRAD
SHOT INTERVAL 50m
APPROXIMATE SHOT
TIME (SEC) 20 sec

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>10 MAY 1983</u>	<u>1411 (DR)</u>	<u>32° 36.53' N</u>	<u>09° 15.78' W</u>	<u>276</u>	<u>24-037</u>
END LINE	<u>11 MAY</u>	<u>0700</u>	<u>32° 51.08</u>	<u>10° 57.19</u>	<u>296</u>	<u>24-038</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO.

09

CRUISE RC2405LINE 09NUMBER OF SHIPS 1THIS SHIP R/V ConradCDP 48COP AIRGUNS 4/466 in³ AirgunEXPLOSIVES

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

Conrad

SHOT INTERVAL

50mAPPROXIMATE SHOT
TIME (SEC)20 sec

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>11 MAY 1983</u>	<u>0700</u>	<u>32° 51.08N</u>	<u>1857.19W</u>	<u>296</u>	<u>24-038</u>
END LINE	<u>11 MAY, 1983</u>	<u>0957</u>	<u>33 0.6N</u>	<u>10° 54.5W</u>	<u>299</u>	<u>24-038</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 10CRUISE RC24-05LINE 010NUMBER OF SHIPS 1THIS SHIP R/V CONRADCDP 48COP N/AAIRGUNS 4/466in³EXPLOSIVES N/A

RECEIVING SHIPS

R/V CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

R/V CONRAD

SHOT INTERVAL

50m

APPROXIMATE SHOT

≈ 20 sec.

TIME (SEC)

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>11 MAY, 1983</u>	<u>0957</u>	<u>33° 0.6' N</u>	<u>10° 54.5' W</u>	<u>299</u>	<u>038</u>
END LINE	<u>11 MAY 1983</u>	<u>1437</u>	<u>32° 56.60' N</u>	<u>10° 29.82' W</u>	<u>305</u>	<u>24-038</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 11....

CRUISE RC 24-05LINE 011NUMBER OF SHIPS 1THIS SHIP R/V CONRADCDP 48COP —AIRGUNS 4/466 in³EXPLOSIVES —

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

50mAPPROXIMATE SHOT
TIME (SEC)20 sec

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>11 MAY 1983</u>	<u>1437</u>	<u>32° 56.60' N</u>	<u>10° 29.82' W</u>	<u>306</u>	<u>24-038</u>
END LINE	<u>11 MAY 1983</u>	<u>1918</u>	<u>32° 39.28' N</u>	<u>10° 29.89' W</u>	<u>311</u>	<u>24-038</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 12CRUISE RC2405LINE 12NUMBER OF SHIPS 1THIS SHIP R/V ConradCDP 48COP —AIRGUNS 4/ 466 m³ AirEXPLOSIVES —

RECEIVING SHIPS

Conrad

NUMBER OF TRACES

48

GROUP SPACING

50m

SHOOTING SHIPS

Conrad

SHOT INTERVAL

~~20~~ 50mAPPROXIMATE SHOT
TIME (SEC)20 Sec

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>11 May 1983</u>	<u>1918</u>	<u>32° 39.29' N</u>	<u>10° 29.89' W</u>	<u>312</u>	<u>24-038</u>
END LINE	<u>12 MAY 1983</u>	<u>0114</u>	<u>32° 49' N</u>	<u>11° 00' W</u>	<u>318</u>	<u>24-039</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 13CRUISE RC24-05LINE 13NUMBER OF SHIPS 1THIS SHIP RV CONRADCDP 48COP AIRGUNS 4 466 in³ AIRGUNS EXPLOSIVES N/A

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

40

GROUP SPACING

50m

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

50mAPPROXIMATE SHOT
TIME (SEC)20 SEC

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>12 MAY, 1983</u>	<u>0116</u>	<u>32° 49' N</u>	<u>11° 00' W</u>	<u>318</u>	<u>24-039</u>
END LINE	<u>12 MAY, 1983</u>	<u>0436</u>	<u>32° 53.21' N</u>	<u>10° 56.74' W</u>	<u>322</u>	<u>24-039</u>

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 14CRUISE PC24-05CDP 48LINE 14

COP _____

NUMBER OF SHIPS 1AIRGUNS 4/466 m³ AirgunsTHIS SHIP RV ConradEXPLOSIVES N/A

RECEIVING SHIPS

NUMBER OF TRACES

GROUP SPACING

SHOOTING SHIPS

SHOT INTERVAL

APPROXIMATE SHOT
TIME (SEC)

DATE

TIME
GMT

LATITUDE

LONGITUDE

DATATAPE
NO.LOGTAPE
NO.START LINE 12 MAY 1983 0436END LINE 13 MAY 1983 205132° 53.21' N33° 13.51' N10° 56.74' W14° 48.25' W32237124-03924-040

DISTANCES WHERE APPLICABLE

SHIP

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

MULTICHANNEL LINE LOG

PAGE NO. 15CRUISE RC24-05LINE 15NUMBER OF SHIPS 1THIS SHIP CONRADCDP 48COP —AIRGUNS 3/46bin³ airgunsEXPLOSIVES N/A

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50m.

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

50mAPPROXIMATE SHOT
TIME (SEC)20 sec.

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	0000 13 MAY, 1983	2051	33° 13.51' N	14° 48.25' W	371	24-040
END LINE	14 MAY 1983	0059	33° 18.83' N	14° 23.03' W	376	24-040

DISTANCES WHERE APPLICABLE

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

MULTICHANNEL LINE LOG

PAGE NO. 16...

CRUISE RC24-05LINE 16NUMBER OF SHIPS 1THIS SHIP CONRADCDP 48COP N/AAIRGUNS 4 466 in³ AIRGUNS
(3 OPERATIONAL)EXPLOSIVES N/A

RECEIVING SHIPS

CONRAD

NUMBER OF TRACES

48

GROUP SPACING

50 m

SHOOTING SHIPS

CONRAD

SHOT INTERVAL

50 m

APPROXIMATE SHOT

20 SEC

TIME (SEC)

	DATE	TIME GMT	LATITUDE	LONGITUDE	DATATAPE NO.	LOGTAPE NO.
START LINE	<u>14 MAY, 1983</u>	<u>0059</u>	<u>33° 18.43' N</u>	<u>14° 23.03' W</u>	<u>376</u>	<u>24-040</u>
END LINE	<u>14 MAY, 1983</u>	<u>1450</u>	<u>32° 18.70' N</u>	<u>15° 02.55' W</u>	<u>392</u>	<u>24-041</u>

DISTANCES WHERE APPLICABLE

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

RECORDS LOG

PAGE NO.

R/V R.D. CONRAD

AND R/U'S N/A

CRUISE RC24-05

AREA Moroccan Margin 1

LINE NO. 001

LINE TYPE MCS

SOURCE AIR GUNS 3*-466 CU. IN.

DFS IV 48 CHANNELS

FORMAT: SEG. B.

BFI 1600[illegible]

RECORDING LOG

PAGE NO. 4

R/V AVCONRADAND R/V'S N/ACRUISE RE 24-05AREA MOROCCAN MARGINLINE NO. 001LINE TYPE ~~MES~~
CDPSOURCE AIRGUNS 3rd - 466 CU/MDFS IV 4 CHANNELSFORMAT: SEG. BBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH 2162 2162	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
121	0008	009	1213	2162	20	4	8	4	AIR GUNS #2, #3, #4 WORKING - ^{tape 10 on #6} FOR TAPES
121	0058		1366	2162					TAPE 009 ON TPX 1 DT#1: 33, DT#2: 36, DT#3: 27
^{1 MAY 1983}	0059	010	1367	2132	20	4	8	4	DT#4: 46, DT#5: 25, DT#6: 32
	0151		1522						TAPE 010 ON TPX 2
	0151	011	1523	2142	20	4	8	4	0127 - GUN #3 DELAYED 1 millisecc.
	0243		1676						TAPE 011 ON TPX 1, DT'S ^{#1: 34, #2: 38, #4: 46} #3: 30, #5: 25, #6: 33
	0243	012	1677	2116	20	4	8	4	0150: SONOBUOY #1 END OF SIGNAL
	0250								NO DFSIV RECORD SONOBUOY #2 EX. CHANNEL #0
	0334	13	1832	2112	20	4	8	4	GUN #3 - Delayed 1 m. sec.
	0334		1831						Tape 012 on TPX 2, DT'S ^{#1: 33, #2: 38, #3: 30, #4: 47,} #5: 25, #6: 35
	0359								CHANNEL #2 - Weak Signal
	0427		1984						MISSED ONE SHOT / TAPE 013 ON TPX 1 END
	0427	14	1986	2109	20	4	8	4	TAPE 14 START ON TPX-2
	0443								CHANNEL 2 - Weak / No Signal
	0518		2142						END TAPE 14 ^{DT'S: 1-31; 2-49; 3-31}
	0518	15	2143	2101	20	4	8	4	TAPE 15: START ON TPX-1 ^{4-48; 5-30; 6-35}
	0532								SONOBUOY #2 ^{END} , NO DFSN REC'S. / GUN #3 LESSERED 1 m. sec.
	0610		2296						END TAPE 15
	0610	016	2297	2075	20	4	8	4	TAPE 16: START ON TPX-2

RV RD CONRAD AND RV'S N/A
 CRUISE 24-05 AREA MOROCCAN MARGIN
 LINE NO. 001 LINE TYPE ~~MCS~~ CDP SOURCE AIRGUNS

DFS IV 48 CHANNELS
 FORMAT: SEG B
 BPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
121	0646	0406							CAMERA RECORD
1 MAY 1983	0654								GUN #3-Delayed 1 m. sec.
	0702	16 0453							END TAPE 16
	0702	17 0454	2050	20	4	8	4		START 17
	0732								channel 2 back on
	0753	18 0608							end tape 17
	0753	18 0607	2000	20	4	8	4		begin tape 18, guns checked - ok
	0832	18 0723							oscillograph taken 2 channels ok
	0				* NOTE	CHANGE			OF DELAY *
	0846	19 765	1960	20	4	8	3		DT#1=34, #2=37, #3=30, #4=46, #5=25, #6=32
	0915		853						CAMERA RECORD
	0926	20 878	1915	20	4	8	3		tape transport ran away, 5 shots lost, tape 19
	0930	20							DT#1=35, #2=37, #3=28, #4=46, #5=22, #6=30 ^{changed}
	0934	20							guns checked - ok
	1000	20							DT#1=36, #2=38, #3=28, #4=45, #5=23, #6=30
	1002	20 987	1885						camera record
	1018	20 35							end tape 20
	1018	21 36	1860	20	4	8	3		Begin tape 21
✓	1042	21 108							DT#1=36, #2=38, #3=28, #4=46, #5=23, #6=32

RECORDING LOG

PAGE NO. 4...R/V CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SE6 BLINE NO. 01LINE TYPE ~~WFS~~
CDPSOURCE ~~AIR GUN~~ 3-466 IN. AIR GUNBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
121	1044	21	112	1840	20	4	8	3	SOUND BUOY #3
1 MAY	1049	21							Checked guns - ok
1983	1101	21	168						DT #1=35, #2=37, #3=28, #4=46, #5=20, #6=27
	1109	21	190						end tape 21
	1109	22	191	1830	20	4	8	2	begin tape 22 TPX2
	1138		275						CAMERA RECORDED, checked cellagraph, ok
	1149		309						DT #1-36 #2-38 #3-28 #4-47 #5-23 #6-31
	1202	22	347						LAST SHOT 22
	1202	23	348	1798	20	4	8	2	First shot 23 TPX1
	1216	23							TPX malfunction - UNKNOWN # of shots missed
	1216	24	387	1775	20	4	8	2	FIRST SHOT 24 TPX2
	1219		396						change Monitor record delay to 3 sec
	1232		433						CAMERA RECORDED
	1235		444						DT'S #1-36 #2-40 #3-30 #4-46 #5-23 #6-30
	1237		456						change delay of gun 2 by 1 msec (to 29)
	1309	24	544						LAST File #024
	1309	25	545	1740	20	4	8	2	First shot TPX-1
	1318	25	571						LAST shot
	1318	26	572	1725	20	4	8	2	First shot TPX-2

PAGE NO

AND R/V'S

AREA MOROCCAN MARGIN

LINE TYPE CDP

SOURCE 3-466 M³ AIR GUNS

DFS IV 48 CHANNELS

FORMAT: SEG B

RPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
121		26			20	4	8	82	
121	1331	26	611						CAMERA RECORD
MAY 1983	1333		618						DT's #1-35 #2-36 #3-38 #4-47 #5-23 #6-31
	1354		679						SONOBUOY #3 END (Recorded on data logger channel 0)
	1411	26	729						END TAPE 26
	1411	27	730	1700	20	4	8	82	START TAPE 27 TPX-1
	1423		768						CAMERA RECORD - TAKE 17 Possibly bad
	143401		798						DT's #1-36 #2-38 #3-30 #4-46 #5-23 #6-34
	1502	28	864						DI #1 35, #2-38 #3-30, #4-48, #5-32, #42
	1510		907						Power failure during TPX 2
	1512								Power on again No guns
			908	on line					TPX 1
									Continued on page 6 after power failure

RV Conrad

AND R/V'S _____

CRUISE RC 2405AREA Moroccan MarginLINE NO. 018 cont'd LINE TYPE CDPSOURCE 3-466'N³ ArgunsDFS IV 48 CHANNELSFORMAT: SEG BBPI 1600AFTER POWER FAILURE

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
121	1606	28	908		20	4	8	2	DI #1=34, #2=40, #3=30, #4=48 #5=, 31, #6=, 44
121	1606								guns up again
121	1607	29	908		20	4	8	2	
	1613								DI #1=35, #2=40, #3=30, #4=50, #5=27, #6=42
	1658	30	61				TPX 2		DI #1=35, #2=38, #3=30, #4=48, #5=31, #6=44
	1709 ^{hrs}	Sonde buoy #4							SB #4 2400
	1717			2400					
	1720								Channel 17 out again. (on later)
	1751	31	221				TPX 1		
	1757								DI #1=35, #2=38, #3=30, #4=47, #5=30, #6=44
	1818								gun #1 is on ^{gun} , #3 has failed and is now off
	1823								gun 3 is firing off + on - Switch to all 4 guns
	1828								gun 3 is off for repairs
	1834			2350					
	1842	32	375						TPX 2
	1843		376						# Shoten Lost - tape scraping - NOT recording
✓	1847	32	379				TPX 1		about 10 shots lost - Tape ^{was} Not recording
									TPX 1 used for Tape 32 Now, TPX 2
									IS FOR ODD #s, TPX 1 IS FOR EVEN #s.

RECORDING LOG

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R/V CONRADAND R/V'S —CRUISE 24-05AREA MOROCCAN MARGINLINE NO. 1LINE TYPE CDPSOURCE 3/466 in³ 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
									TPX #2 = ODD TAPE #3, TPX #1 = EVEN TAPE #5.
121	1913	32	449						TPX1 RUNS AWAY SWITCH TO TPX2. PROBABLY 3-4 shots lost.
121	1913	33	450	1280	20	4	8	2	
121	1920	—			4	4	4	4	DI #1=33, #2=38, #3=30, #4=48, #5=33, #6=45
121	2003	33	601		4	4	4	4	TAPE ID CHANGED FROM "32" TO "33"
					4	4	4	4	@ FILE COUNT 601 OF TAPE 33.
121	2005:24	33	608		4	4	4	4	LAST SHOT, TAPE 33
121	2008:44	34	611		4	4	4	4	FIRST SHOT, TAPE 34—MISSED 9 SHOTS
	2008				4	4	4	4	TAPE ON TPX-1 RAN AWAY.
121	2090	—	—		4	4	4	4	DI #1=32, #2=39, #3=33, #4=50, #5=30, #6=44
121	2100	35	775		4	4	4	4	TPX2.
121	2115	—	—		4	4	4	4	DI #1=34, #2=37, #3=28, #4=48, #5=23, #6=37
121	2155	36	926		4	4	4	4	TPX 1 (12 shots missed)
121	2200		—		4	4	4	4	DI #1=35, #2=37, #3=28, #4=47, #5=24, #6=38
121	2247								CHANGED TAPE I.D. # FOR TAPE 36 TO "36" FROM "34". TAPE 35 ERRONEOUSLY LABELED 34. (J. AUSTIN)
121	2249:43	37	081						FIRST SHOT, TAPE 37.
	2253								D.T. #1=37, #2=39, #3=30, #4=48, #5=25, #6=42

1 MAY 1983

R/V R.D. CONRADAND R/V'S N/ACRUISE RL 24-05AREA MOROCCAN MARGINLINE NO. 01LINE TYPE AGS
CDPSOURCE 3 / 466 in³ 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
121					20	4	8	2	AT 1529 Z CHANGED TO 2 SEC DELAY - NOT LOGGED BEFORE (RECORDS CORRECTED)
1 MAY 1983	2342	37	236	~2600 meters					LAST SHOT TAPE # 37 (TPX-2)
	2342	38	237		"	"	"	"	FIRST SHOT TAPE # 38 (TPX-1) DT#1: 35 DT#3: 29 DT#5: 25 DT#2: 37 DT#4: 48 DT#6: 40
122	0033		390	1258					LAST SHOT TAPE # 38 - NO SHOTS LOST
2 MAY 1983	0033	39	391	1258	"	"	"	"	FIRST SHOT TAPE # 39 (TPX-2) DT#1: 35 DT#3: 28 DT#5: 23 DT#2: 36 DT#4: 46 DT#6: 36
	0101		543						OSCILLOGRAPH RECORD TAKEN
	0128	40	549	1264	"	"	"	"	SIX SHOTS MISSED - FIRST SHOT TAPE #40 (TPX-1)
				1264					DT#1: 36, DT#2: 36, DT#3: 28, DT#4: 48, DT#5: 23, DT#6: 37
	0156		633		"	"	"	"	SONOBUOY #5 data logger channel 0 START
	0221		699 704	1260					LAST SHOT TAPE # 40
	0221	41	704	1260	"	"	"	"	FIRST SHOT TAPE # 41 (TPX-2) 5 SHOTS MISSED DT#1: 38 DT#3: 28 DT#5: 25 DT#2: 37 DT#4: 48 DT#6: 44
	0314		861		20	4	8	2	LAST SHOT TAPE # 41
	0318	42	863	1252	"	"	"	"	FIRST SHOT TAPE # 42 [MISSED 2 SHOTS]
	0409	42	17	1250	"	"	"	"	LAST SHOT TAPE # 42
	0409	43	18	1250	"	"	"	"	FIRST SHOT TAPE # 43 (ON TPX-2)
	0447		131						END SB # 5
	0502	43	174	1240					LAST SHOT # 43
	0502	44	175	1240					FIRST SHOT # 44

RECORDING LOG

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AND R/V'S _____

CRUISE RC24-05AREA Moroccan MarginLINE NO. 01LINE TYPE CDPSOURCE 3-466 in³ air gunsDFS 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
122	0516	44		1387	20	4	8	2	DT'S #1-39, #2-37, #3-29, #4-17, #5-25, #6-13
	0528	44	213						END TAPE 44, TPX-1 write malfunction
	0528	45	214	1350	20	4	8	2	START TAPE 45 TPX-2
	0529		220						change delay of monitor to 2sec
	0616								DT'S #1-35, #2-38, #3-30, #4-48, #5-30, #6-45
	0619	45	371	1290					END TAPE 45
	0619	46	372	1290	20	4	8	2	START TAPE 46 TPX-1
	0621			1290					A/C 101 - Passing Pt. B
	0626	46	385						TPX-1 malfunction / sporadic recording END TAPE
	0627	47	386	1280	20	4	8	2	START TAPE 47 on TPX-2
	0705								Guns checked OK
	0709		510						Camera Record - OK
	0721	47	543		20				END TAPE 47
	0721	48	544	1279	20	4	8	2	START TAPE 48 - TPX-1
	0746		621						DT'S #1-33, #2-35, #3-30, #4-17, #5-25, #6-37
	0747		624						Sonobuoy #6

RAV CONRADAND RAV'S N/ACRUISE RC 24-05AREA MOROCCAN MARGINLINE NO. 21LINE TYPE MISS
CDPSOURCE 3-466⁴³ mArginusDFS IV 40 CHANNELSFORMAT: SEQ BBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP RATE MSEC	REC. LEN SEC	TRIP DEL. SEC	COMMENTS
122	0800	048	658		20	4	8	2	TAPE STOPPED WRITING, ONLY BACKED UP 45 SHOTS. TAPE ENDED, LOST NEXT TRANSPORT, LOST 7 SHOTS
2 MAY 1983	0802	049	659	1305					TAPE TRANSPORT CAUGHT 1 SHOT, SWITCHED TO
	0805	049	660	1308					TPX-1 LOST TOTAL OF 4-5 SHOTS - RESUME
	0839	(	762						A TAPE 049
	0845	)	781						checked guns - ok, camera record - ok
	0848	)	787						DT#1=31, #2=36, #3=30, #4=46, #5=28, #6=31
	0900	49	812	1307	11	11	11	11	end tape 49
	0900	50	813	1307	11	11	11	11	begin tape 50
	0929		910						guns off 910-912 no data
	0932	50	912	1318					end tape 50
	0941	51	914	1318					begin tape 51 one gun in operation
	0942	(	919						camera record
	0947	)	932						NO DATA - ALL GUNS OFF LINE
	0947	)	933						NO DATA - " " " "
	0947	)	934						NO DATA - " " " "
	0948	)	935						Gun 1 & 4 ON LINE
	1009	(	002						DT#1=26, #2=34, #3=35, #4=46, #5=26, #6=35
	1018	52	023						TPX-1 RAN AWAY LOST 2 SHOTS end 51, begin 52
	1036	53	066						TPX-2 RAN AWAY LOST 5 SHOTS

RECORDING LOG

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RV CONRAD

AND R/V'S

N/A

CRUISE RC-24-05

AREA

MOROCCAN MARGINLINE NO. 01

LINE TYPE

~~MES~~
COP

SOURCE

3 466in³ Arguna

DFS IV

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
122									
122	1038	53	066	1317	20	4	8	2	Begin tape 53
	1050	53	106						END tape 53 - Ran away 2 shots lost
	1050	54	108	1315	20	4	8	2	Begin tape 54
	1114		177						DT'S #1-28 #2-33 #3-30 #4-47 #5-26 #6-35
	1127	54	213						END OF TAPE 54
	1127	55	214	1320	20	4	8	2	START TAPE 55 TPX-1
	1146	55	271						LAST SHOT / shut down of turn to repair on guns
	1735								Guns back in water - Recording to begin after turn is complete. Data will redo track from east of point B
	1811								Starting guns #1, #2 + #4
									DI #1=33, #2=40, #3=34, #4=50, #5=32, #6=50
									We will continue line 1 but
									We are beginning with shot 000 000
									Tape 56
	1834								Tail buoy now dead astern
	1837	56	000	1289	20	4	8	2	parity + sync errors - no record
	1839	56	001	1288	20	4	8	2	TPX 2

2 MAY 1983

RECORDING LOG

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R/V Conrad
 CRUISE 24-05
 LINE NO 01

AND R/V'S

AREA Moroccan MarginLINE TYPE ~~MEG~~
CDPSOURCE 3-466 m³ ArgonDFS 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
122	1920	57		1307	20	4	8	2	DI #1=34, #2=37, #3=33, #4=49, #5=28, #6=44
122	1932	58	158	1320	"	"	"	"	TAPE 57 IN (TAPE 56 OFF) - TPX 1
	1954		225		"	"	"	"	SONOBOY NX 7 start. (on data logger ch 8)
	2020			1318	"	"	"	"	DI #1=33, #2=35, #3=32, #4=48, #5=27, #6=43
	2024	58	314	1318	"	"	"	"	TAPE 58 on TPX-2
	2016	59	472	1317	"	"	"	"	TAPE 59 on TPX-1
	2125	—		1311	"	"	"	"	DI #1=33, #2=35, #3=33, #4=47, #5=29, #6=45
	2208	60	627						TAPE 60 on TPX-2
	2220								DI #1=
	2218	"	657	1313					TAPE ID UPDATED; HAS BEEN IGNORED SINCE TAPE 51
	2220	—		1311					DI #1=34, #2=34, #3=31, #4=47, #5=24, #6=41
	2230		692	1309					END SB#7
	2301	61	785	1296	20	4	8	2	FIRST SHOT TAPE #61 (TPX-2) DT1: 34 DT3: 33 DT5: 31
	2352		938						LAST SHOT TAPE #61 DT2: 37 DT4: 47 DT6: 41
122	2352		938						DISCOVERED ON 244 REVERSED, CORRECTED.
✓	2352	62	939	1269	"	"	"	"	FIRST SHOT TAPE #62 (TPX-2) DT1: 34 DT3: 32 DT5: 21
	0045		99						LAST SHOT TAPE #62 NO SHOTS LOST DT2: 35 DT4: 47 DT6: 44
123	0045	63	100	1180	"	"	"	"	FIRST SHOT TAPE #63 (TPX-1) DT1: 33 DT3: 34 DT5: 29
	0137		252						LAST SHOT TAPE #63 DT2: 36 DT4: 47 DT6: 44
✓	0137	64	253	1025	"	"	"	"	FIRST SHOT TAPE #64 (TPX-2) DT1: 33 DT3: 35 DT5: 30
									DT2: 36 DT4: 47 DT6: 43

2 MAY 1983

3 MAY

RECORDING LOG

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RV CONRADAND RV'S N/ADFS IV 48 CHANNELSCRUISE RC 24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO. 01LINE TYPE TPX
CDPSOURCE 3 466 in³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
123	0229	64	410	—	20	4	8	2	LAST SHOT TAPE#64 NO SHOTS LOST
	0229								DATA LOGGER SONOBUOY #8 CHANNEL 0
	0229	65	411	998	11	11	11	11	EARST SHOT TAPE#65 (TPX-1)
	0230		412	998					(SB#8) D.L. CHAN. 0
	0300			958					INC. DELAY ON #1 by 1 milliseC
	0316								TRACES 17 AND 26 SHOWING BAD CONSISTENTLY
	0320	65	565	953	"	"	"	"	LAST SHOT-TAPE #65
	0320	66	566	953	"	"	"	"	FIRST SHOT-TAPE #66
									MISSED 4 SHOTS-TPX-2 MALFUNCTION; CONTINUOUS
	0331	66	583	950	"	"	"	"	WIND OR REWIND AFTER RESET, END TAPE #66
	0332	67	587	950	"	"	"	"	START TAPE #67 ON TPX-1
	0351								DT#1:30; #2:31; #3:30; #4:46; #5:26; #6:41 (FEET)
	0423	67	743	970	"	"	"	"	PROBLEM W/TPX-2 - #67 END, #68 WILL
									NOT EXIST DUE TO TPX-2 Malfunction-not
									recording
	0426	69	744	970					Start tape #69 on TPX-1 w/ shot 744
									→ PROBLEM WITH GUN #1 - DOUBLE
									FIRING.

3 MAY 1983

RECORDING LOG

PAGE NO. (15)R/V COURADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEG BLINE NO. 01LINE TYPE MES
COPSOURCE 3 466 in³ Argus (1,2,4)BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
123					20	4	8	2	
1	0518	69	898	1027	"	"	"	"	END TAPE #69 ON TPX-1
	0518	69 70	899	1027	"	"	"	"	START TAPE #70 ON TPX-2
	0525				"	"	"	"	DT's: 1:30, 2:33, 3:35, 4:48, 5:30, 6:44
	0530			1042	"	"	"	"	Sonobuoy #8 start end/change of course
	0611	70	57	1098	"	"	"	"	END TAPE #70 ON TPX-2
	0611	71	58		"	"	"	"	START TAPE #71 ON TPX-1
	0702	72	212	1158	"	"	"	"	START TAPE #72 ON TPX-2
	0715	—	—		"	"	"	"	DT's: #1=30, #2=33, #3=33, #4=47, #5=30, #6=45
	0733		305	1185	"	"	"	"	SONOBOY #9 starts,
	0755	73	370	1198	"	"	"	"	START TAPE 73 ON TPX-2
	0808	—			"	"	"	"	DT #1=30, #2=34, #3=35, #4=48, #5=34, #6=45
	0846	74	525	1309	"	"	"	"	Start Tape #74 on TPX-2
	0910			1316	"	"	"	"	DT #1=32, #2=32, #3=31, #4=45, #5=25, #6=38
	0940	75	583	1319	"	"	"	"	start TAPE 75 on TPX-1
	1015	—			"	"	"	"	DT #1=32, #2=34, #3=33, #4=46, #5=28, #6=39
	1030	76	837	1273					start TAPE 76 on TPX-2
	1059		922						DT #1-32, #2-34, #3-33, #4-46, #5-26, #6-39
✓	1100		925						CAMERA RECORD - OK

3 MAY 1983

RECORDING LOG

PAGE NO. 15R/V CONRADAND R/V'S CRUISE RC 2405AREA Moroccan MarginLINE NO. 01LINE TYPE CDPSOURCE 3-460m³ air gunsDFS 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
123	1123	76	993	1260	20	4	8	2	LAST SHOT TAPE # 76
	1123	77	994	1260	20	4	8	2	FIRST SHOT TAPE # 77 TPX-1
	1135	77	31						change delay on gun 4 to 30 msec
	1145		60						DT's #1-31, #2-35, #3-35, #4-45, #5-29, #6-42
	1146		64						CAMERA RECORDED - OK.
	1214	77	148	1230					LAST SHOT
	1214	78	149	1230	20	4	8	2	FIRST SHOT TAPE 78 TPX-2
	1238		222						CAMERA RECORDED - OK DT's #1-31, #2-35, #3-36, #4-47, #5-31, #6-46
	1250		256						SB#10 OFF
	1306	78	304	1100					LAST SHOT
	1306	79	305	1100	20	4	8	2	FIRST SHOT TAPE 79 TPX-1
	1325		363						DT's #1-30, #2-34, #3-35, #4-47, #5-33, #6-43
	1332		383						CAMERA RECORDED - OK
	1357	79	458	1131					LAST SHOT
	1357	80	459	1131	20	4	8	2	FIRST SHOT TAPE 80 TPX-2
	1420		528						DT's #1-29, #2-35, #3-36, #4-47, #5-33, #6-45
	1430		557						CAMERA RECORDED - OK
	1450	80	616	1100					END TAPE 80
123	1450	81	617	1100	20	4	8	2	START TAPE 81 TPX-1

3 MAY 1983

RECORDING LOG

PAGE NO. 16R/V CONRADAND R/V'S —CRUISE RC24-05AREA MOROCCAN MarginLINE NO. 01LINE TYPE CDPSOURCE 3-466 W³ 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
123		81	617	20			8	2	Tape ID NOT INCREMENTED ∴ ID will be 80 which is NOT correct 5/6 81
3 MAY 1983	1500		771	1093					DI #1 = 30, DI #2 = 35, #3 = 36, #4 = 47, #5 = 34, #6 = 35
	1541	82	771	1110					TPX 2 gun #1 - waste
	1633	83	927	4250					TPX 1
	1724	84	81	1100					TPX 2, DI #1 = 34, #2 = 35, #3 = 35, #4 = 48, #5 = 30, #6 = 44
	1801	84	190	830	20	4	8	0	changed delay to 0 * NOTE *
	1817	85	239	730					TPX 1
	1908	85	395	618	20	4	8	0	END tape #85 TPX 1
	1908	86	396	618	20	4	8	0	Begin tape #86 TPX 2
	1926	86	445	594					DI #1 = 35, #2 = 36, #3 = 35, #4 = 50, #5 = 30, #6 = 45
	1928	86	450	594					camera record
	2002	86	552	545	20	4	8	0	End tape 86 TPX 2
	2002	87	553	545	20	4	8	0	Begin tape 87 TPX 1
	2045	87	680	470					check guns - OK
	2046	87	686	468					DI #1 = 35, #2 = 37, #3 = 36, #4 = 47, #5 = 30, #6 = 44
	2054	87	707	436					End tape 87 TPX 1
	2054	88	708	436					Begin tape 88 TPX 2
	2138	88	841	288					air guns off - end tape 88
	2146	89	842	265					begin tape 89 TPX 1 - 3 guns on

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AND R/V'S

AREA MOROCCAN MARGIN

LINE TYPE CDP

SOURCE 34 lbs in 3 aiguns

DFS IV 48 CHANNELS

FORMAT: SEG B

BPI 1600

[illegible]

RECORDING LOG

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RV CONRAD

AND R/V'S _____

CRUISE PC 2405AREA MOROCCAN MARLINLINE NO 002LINE TYPE CODSOURCE 3 AG @ 466 m³ ea.DFS IV 48 CHANNELSFORMAT: SEC 8BPI 1600 P.F.

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
124	0340	94	001	66	20	4	8	0	NO DELAY. FIRST SHOT.
	0346		019		2	4	8	1	LAUNCHING SB#12
	0347				2	4	8	1	DT'S #1-35; #2-40; #3-37; #4-50; #5-33; #6-49
	0408		087		2	4	8	1	SB#12 FAILED / LAUNCHING SB#12 SB#12
	0429	94	146		1	5	5	3	END #94
	0429	95	147	67	2	4	8	1	START #95-TPX-1
	0522	95	302		1	5	5	3	END #95
	0522	96	303	80	2	4	8	1	START #96-TPX-2
	0548		382		2	4	8	1	LAUNCHING SG#13
	0614	96	460		2	4	8	1	END #96 DT'S #1-35; #2-40; #3-40; #4-50; #5-33; #6-46
	0614	97	461	93	2	4	8	1	START #97-TPX-1
	0706	98	617	77	2	4	8	1	START TAPE #98 on TPX-2
	0720	—			2	4	8	1	DT'S #1=35; #2=38; #3=38; #4=50; #5=36; #6=47
		—			2	4	8	1	BLAST PHONE, GUN #4, IS OFF. BUT BACK ON AGAIN
	0759	99	776	66	2	4	8	1	START TAPE #99 on TPX-1.
	0802	—	788						MONITOR RECORD. (Oscillograph.)
	0816	—	826						SONO BOY #14 IN WATER.
	0825	—							DT'S #1=37; #2=38; #3=37; #4=48; #5=34; #6=47
	0845		913						GUN #4 OFF O.C. DRIVE COMP. DOWN GUN #4 BACK ON, COMP. ON

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RECORDING LOG

PAGE NO. (19)RV ConradAND R/V'S CRUISE RC24-05AREA MOROCCAN marginLINE NO. 02LINE TYPE CDPSOURCE 3-460 in³ Air gunsDFS 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
124	0850	100	929	50	20	4	8	0	Start TAPE 100 TPX-2
	0915			44					#1-35, #2-39, #3-38, #4-48, #5-36, #6-47
	0917	100							Some NOISY traces - Passing traces
	0943	101	089	41	20	4	8	0	START TAPE 101 TPX-1
	1020			41					#1-36, #2-39, #3-38, #4-48, #5-34, #6-46
	1024	101		41					Blast phone (#4) not working
	1033	102	245	44	20	4	8	0	Start tape 102 TPX-2
	1100		321						#1-40, #2-41, #3-39, #4-50, #5-33, #6-48
	1127		400						START SB #15
	1127	102	401						END 102
	1128	103	402	43	20	4	8	0	START 103 TPX-1
	1151		472						#1-38, #2-41, #3-39, #4-50, #5-32, #6-48
	1201		502						CAMERA REWIND - OK
	1219	103	555						LAST SHOT 103
	1219	104	556	52	20	4	8	0	FIRST SHOT 104 TPX-2
	1242		626						#1-40, #2-41, #3-40, #4-51, #5-35, #6-49
	1312	104	714						END 104
	1312	105	715	51	20	4	8	0	START 105 TPX-1
	1331		772						#1-41, #2-43, #3-43, #4-53, #5-35, #6-50

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RECORDING LOG

PAGE NO. (20)RV CONRADAND R/V'S —CRUISE PC 2405AREA Moroccan MarginLINE NO. 02LINE TYPE CDPSOURCE 3-466 m³ 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
124	—	105	—		20	4	8	0	—
	1334		781						Camera Record - OK
	1403	105	868						END 105
	1403	106	869	50	20	4	8	0	START 106 TPX-2
	1429		946						#1-36, #2-40, #3-40, #4-52, #5-35, #6-50
	1430		948						END SB # 15
	1441		981						CAMERA RECORD
	1456	106	27						LAST SHOT 106
	1456	107	28	502	20	4	8	0	START 107 TPX-2
	1548	108	183	58	20	4	8	0	TPX 2, DI #1=35, #2=40, #3=40, #4=50, #5=36, #6=49
	1600		222						Camera Record
	1641	109	341	65					108 OFF 109 ON TPX-1
	1648		364						END OF LINE 2
	1812	110	0000						TPX Begin Line 03 (TPX 2 misbehaving!)
	1815								DI #1=36, #2=41, #3=40, #4=59, #5=36, #6=47
	1822		32						Camera Record
									on pg 21
124									

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R/V Conrad

AND R/V'S

DFS IV 48 CHANNELSCRUISE 2405

AREA

Moroccan MarginFORMAT: SEG BLINE NO. 03

LINE TYPE

MES
COP

SOURCE

3 466 in³ airgunsBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
124	1812	110	000	64	20	4	8	0	Begin line 03 TPX(1) (TPX 2 malfunction)
Amby 85	1815								DT #1=36; #2=41; #3=40; #4=59; #5=36; #6=47
	1822		32						Camera Record
	1903	111	155	67	"	"	"	"	End tape 110, Begin tape 111 111
	1956	112	312	125	"	"	"	"	Begin tape 112-faulty. 5 shots lost-end tape 112
	2004	113	317	140					Begin tape 113 on TPX-2 - becomes tape #112
	2004	112	317	140					Begin new tape #112 ←
	2024	112	372	179					4th Air gun working
	2056	112	472	250					End tape 112 TPX 2
	2056	113	473	250					Begin tape 113 TPX 1
	2147	113	626	245	"	"	"	"	End tape 113
	2147	114	627	245	"	"	"	"	Begin tape 114 TPX 2
	2158	114	665						DT #1=34; #2=40; #3=38; #4=53; #5=35; #6=46
	2238	114	776						Camera record
	2240	114	784						End tape 114 TPX 2
	2240	115	785	"	"	"	"	"	Begin tape 115 TPX 1
	2331		938	320	20	4	8	0	END TAPE #115 LOST NO SHOTS
	2331	116	939		"	"	"	"	START TAPE #116 (TPX-2) DT1: 36 DT2: 37 DT3: 36 DT4: 54 DT5: 32 DT6: 46
	2337	116	942						START NEW TAPE #116 (TPX-2) OLD ONE UNWOUND 5 shots missed

RECORDING LOG

PAGE NO. 1RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO 03LINE TYPE AGSSOURCE 4 466 in³ AIRGUNSBPI 1600CDP

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
129	0029	116	95	330	20	4	8	0	LAST SHOT TAPE #116 NO SHOTS LOST
	0029	117	96	400	"	"	"	"	FIRST SHOT TAPE #117 (TPX-2) DT1: 37 DT3: 37 DT5: 32 DT2: 40 DT4: 55 DT6: 43
	0121	117	253	RECORDER OFF	"	"	"	"	LAST SHOT TAPE #117 (TPX-2) RECORDER OFF FOR REPAIR
	0122	118	254	420	"	"	"	"	FIRST SHOT TAPE #118 (TPX-1) DT1: 35 DT3: 37 DT5: 34 DT2: 37 DT4: 56 DT6: 44
			408						LAST SHOT TAPE #118 119 ON TPX-2 UNWOUND 9 SHOTS MISSED
	0217	119	410	582	"	"	"	"	FIRST SHOT TAPE #119 (TPX-1) DT1: 36 DT3: 37 DT5: 32 DT2: 37 DT4: 56 DT6: 44
	0308	"	563		"	"	"	"	LAST SHOT TAPE #119 (TPX-1)
	0308	120	564	683					FIRST SHOT TAPE #120 (TPX-2)
	0311	"	569						LAST SHOT TAPE #120 TAPE REWINDING
	0311	121	570	693					FIRST SHOT TAPE #121 1 SHOT MISSED
	0315		580					2	Change to 2.0 sec. recording delay
	0340		658					0	Change to 0.0 sec recording delay CUTTING OFF THE BOTTOM
	0341								DT's 1-36; #2-40; #3-37; #4-57; #5-30; #6-43
	0402	121	723	—					END #121
	0402	122	724	—					START #122 - TPX-2
	0411	122	745						END #122 - TPX-2 FEEL - CONTINUOUS FORWARD
	0412		745					2	Delay change to 2 sec
	0446	122	837						END 122 - TPX-2 MALFUNCTIONING
	0447	123	838	935					START #123

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RV CONRADAND RV'S N/ACRUISE RC2405AREA MOROCCAN MARGINLINE NO. 03LINE TYPE ~~RES~~
CDPSOURCE 4/466 in³ AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG BBPL 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
5 MAY 1983	125	0451	123	851					DT'S #1-36; #2-39; #3-37; #4-56; #5-30; #6-44
		0535	123	983					SB#17 starts
		0538	123	992					123 ENDS
		0538	124	993	1011				124 STARTS
		0631	124	151					124 ENDS
		0631	125	152	1075				125 STARTS
		0640	125	162					125 ENDS
		0641	126	164	1087				126 START
		0648	126	175-176					2 SHOTS MISSED. "DATA" LIGHT ON.
									HIT "EDIT" BUTTON AND CONTINUED W/SAME TAPE.
		655	126	185					TAPE "DATA" AND "END" LIGHTS ON CONTINUOUSLY
									ON TAPE-126-TPX-2 / SWITCH BACK
									TO TPX-1
		0655	127	186	1110				START 127 ON TPX-1.
		0710	—	1123					DT'S #1=37, #2=38, #3=35, #4=57, #5=39, #6=43
		0747	128	339	1200	20	4	8	128 ON 127 OFF. *NOTE TAPE #127 DAMAGED ON TAP * REWORK.
		0820	—	1257					#1=36, #2=38, #3=36, #4=58, #5=30, #6=45
		0839	129	496	1293				START TAPE 129 ON TPX-1.
✓		0916	130	575	1326	6	6	6	START TAPE 130 ON TPX-2.

RECORDING LOG

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RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC2405AREA MOROCCAN MARGINFORMAT: SFG 8LINE NO. 03LINE TYPE MES
CDPSOURCE 4/466 in³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
0925	0925	130			20	4	8	2	#1=38, #2=43, #3=38, #4=59, #5=29, #6=43
125	1009	131	733	1365	4	4	4	4	START TAPE 131 ON TPX-1.
4	1030	—			4	4	4	1	#1=36, #2=39, #3=37, #4=58, #5=32, #6=44
5	1100	—	886						END TAPE 131 ^(*) NOTE ON TAPES 130+131 Labeled 120+121.
5	1100	132	887	1400	20	4	8	2	START TAPE 132 TPX-2
5	1121		948						SB #18 thrown
4	1124		957						#1-36, #2-37, #3-37, #4-60, #5-30, #6-44
4	1124		958						CAMERA RECORD - OK
5	1153	132	45						END TAPE 132
5	1153	133	46	1430	20	4	8	2	START TAPE 133 TPX-1
5	1215	133	112						#1-36, #2-39, #3-36, #4-59, #5-31, #6-44
5	1245	133	200						END TAPE 133
5	1245	134	201	1450	20	4	8	2	START TAPE 134 TPX-2
	1306	134	266						#1-36, #2-39, #3-36, #4-60, #5-31, #6-45
	1310		277						CAMERA RECORD
	1337	134	359						END TAPE 134
	1338	135	360	1600	20	4	8	2	START TAPE 135 TPX-1
	1404		438						#1-36, #2-37, #3-35, #4-61, #5-31, #6-45
125	1410		456						END SB #18

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RECORDING LOG

PAGE NO. 23R/V ConradAND R/V S. CRUISE RC 2405AREA MOROCCAN MARGINLINE NO. 03LINE TYPE CDPSOURCE 4- 46 in³ air gunsDFS 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
125	1429	135	515		20	4	8	2	END TAPE 135
	1430	136	516	1748	20	4	8	2	START TAPE 136 TPX-2
	1447		567		11	11	11	11	#1-35, #2-40, #3-36, #4-60, #5-32, #6-45
	1448		570						CAMERA RECORD - OK
	1511		638		20	4	8	4	Change delay to 4 sec
	1523	137	675	1819	20	4	8	4	
	1550		745						TPX 1 Screw up Maybe 5 shots missed
	1550	138	745	1852					TPX 2
	1601		785						#1=33, #2=38, #3=36, #4=59, #5=34, #6=47
	1642	139	904	1900					TPX 1
	1655		941						Camera record
	1734	140	61	1705					TPX 2 *Tape ID Says 130 instead of 140
	1827		203	1700					TPX 1
	1848	141	283						Camera record
	1918	141	371	1684	20	4	8	4	end tape 141 TPX 1
	1918	142	372	1684					begin tape 142 TPX 2
	2008	142	528	1690					end tape 142 TPX 2
	2028	143	529	1690					begin tape 143 TPX 1
✓	2030	143	581						snobol # 19 deployed

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R/V ConradAND R/V'S -CRUISE PL-24-05

AREA

Moroccan MarginLINE NO. 03

LINE TYPE

CDP

SOURCE

4-466m³ 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
125	2045	143	632	1696	20	4	8	4	DT#1=34; #2=39; #3=40; #4=60; #5=35; #6=47
MAY 5 83	2046	143	635	"					Camera record
	2054	143	637	1682					tape 143 ran away - switch made, no shots lost
	2054	144	638	"	"	"	"	"	begin tape 144 TPX 2
	2139	144	773	1780					corrected tape ID. Started as tape 143
	2145	144	794	1722					end tape 144 TPX 2
	2145	145	795	"	"	"	"	"	begin tape 145 TPX 1
	2213	145	875	1730					DT#1=31; #2=34; #3=36; #4=60; #5=36; #6=46
	2237	145	948	"					end tape 145 TPX 1
	2237	146	949	"	"	"	"	"	begin tape 146 TPX 2
	2329		106						END TAPE 146 NO SHOTS LOST
	2329	147	107	1729	"	"	"	"	START TAPE #147 (TPX-1) DT1:34 DT3:36 DT5:34 DT2:36 DT4:62 DT6:46
126	0021		260						END TAPE #147 NO SHOTS LOST
(6 MAY 1943)	0021	148	261	1748	"	"	"	"	START TAPE #148 (TPX-2) DT1:34 DT3:40 DT5:36 DT2:37 DT4:60 DT6:48
	0016		420?						END TAP #148 LOST 6-7 SHOTS
	0016	149	425	1711	"	"	"	"	START TAPE #149 (TPX-2) DT1:30 DT3:37 DT5:36 DT2:36 DT4:61 DT6:46
	0130		459						459-466 GUN #1 DELAYED 2 millisec
	0200				"	"	"	"	START SONO BUOY #20
	0207		576						END TAPE #149 NO SHOTS LOST

RECORDING LOG

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RV CONRADAND R/V'S N/ACRUISE RE 2405AREA MOROCCAN MARGINLINE NO. 03LINE TYPE AGES
CDPSOURCE 4 466 m³ 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
126	0207	150	577	1730	20	4	8	4	START TAPE #150 (TPX-1) DT1: 34 DT3: 36 DT5: 30 DT2: 36 DT4: 62 DT6: 44
	0258	150	732		"	4	4	"	MISSED 6 SHOTS
	0308	151	733		"	4	"	4	
	0338	151	883						END 151 DT'S #1-34, #2-36, #3-35, #4-65, #5-32, #6-43
	0352	152	884	1676					START #152
	0444	152	42						END #152
	0444	153	43	1653					START #153
	0455								DT'S #1-35, #2-40, #3-35, #4-66, #5-30, #6-43
	0535	153	196						END #153
	0535	154	197	1697					START #154
	0627	154	352						END #154
	0627	155	353	1790					START #155
	0700			1897					DT'S #1=34, #2=37, #3=35, #4=64, #5=28, #6=42
	0723	156	507	1867					BTART TAPE #156 ON TPX-1. LOST ABOUT 12 SHOTS
	0814	157	661	1942					START TAPE #157 ON TPX-2.
	0822	157	670						TAPE 157 STOPPED - START TAPE #158 ON TPX-2
	0824		676	1958					RECORD Record Number changed from 157 to 158
	0833		699	1933					TPX-1 REWINDING. END #158. SWITCH TO TPX-2
	0833	159	700	1933					BEGIN TAPE #159, TPX-2.

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AND R/V'S

N/A

AREA

MOROCCAN MARGIN

LINE TYPE:

~~SECRET~~ CDP

SOURCE

4/46 in³ airguns

DFS IV 48 CHANNELS

FORMAT: SRGB

BPI 1600

[illegible]

RECORDING LOG

PAGE NO. 27R/V ConradAND R/V'S DFS IV 48 CHANNELSCRUISE RC2405AREA Moroccan MarginFORMAT: SEG BLINE NO 03LINE TYPE ~~HEB~~
CDPSOURCE 2 466 in³ Argun
1820 4 gunsBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
126	1725	163	001		20	4	8	4	TPX 1
	1817	164	155	~2100					TPX 2
	1820		165	2100					All 4 guns in water + firing
	1837								Budge using single side band
	1838		211						Camera record
	1909	165	312	2145					TPX 1
1956	1906	166	394	2145	"	"	"	"	Tape 166 begin - tape 165 malfunctioning
	2042	166	550	2240					approx. 10 min (30 shots) lost
	2042	167	551	2240	"	"	"	"	end tape 166 TPX 2 begin tape 167 TPX 1
	2050	167	576	2213					DT#1 = 41, #2 = 36, #3 = 31; #4 = 37, #5 = 33, #6 = 48
	2133	167	704	2230					end tape 167 TPX 1
	2133	168	705	2230	"	"	"	"	begin tape 168 TPX 2
	2206	168	803						sonobuoy # 168 deployed
	2226	168	860						end tape 168 TPX 2
	2226	169	861	2259	"	"	"	"	begin tape 169 TPX 1
	2316	169	14						end tape 169 TPX 1
	2316	170	15	2276	"	"	"	"	begin tape 170 TPX 2
	0009		171						LAST SHOT TAPE # 170 NO SHOTS LOST
	0009	171	172	2281	"	"	"	"	FIRST SHOT TAPE # 171 DT 1: 42 DT 3: 34 DT 5: 35 DT 2: 40 DT 4: 37 DT 6: 50

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1983

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PAGE NO. 30RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEG BLINE NO. 03LINE TYPE MCSSOURCE 4 466 m³ AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
127	0100	171	325	2300	20	4	8	4	PROFILER NOT TRIGGERING TPX-1 MAY NOT BE WAITING SIGNAL TO TAPE PROPERLY
1	0100	172	326	2294	11	11	11	11	FIRST SHOT TAPE #172 (TPX-2) DT1: 42 DT3: 32 DT5: 32 DT2: 36 DT4: 36 DT6: 47
	0106	172	333						(2ND TIME) FIRST SHOT TAPE #172 (TPX-1) TPX-2 NOT RELOADING
	0159		486						LAST SHOT TAPE #172 SIX SHOTS MISSED
	0159	173	487	2307	11	11	11	11	FIRST SHOT TAPE #173 (TPX-1) TPX-2 NOT RELOADING DT1: 42 DT3: 33 DT5: 31 DT2: 39 DT4: 38 DT6: 47
	0250	"	639						LAST SHOT TAPE #173 (TPX-1) NO SHOTS LOST
	0257	174	640	2316	11	11	11	11	FIRST SHOT, TAPE #174 (TPX-2) DT1: 44 DT3: 35 DT5: 27 DT2: 40 DT4: 37 DT6: 42
	0343		796						LAST SHOT, TAPE #174 NO SHOTS LOST
	0343	175	797	2320	11	11	11	11	FIRST SHOT, TAPE #175 (TPX-1) DT1: 40 DT3: 32 DT5: 31 DT2: 37 DT4: 36 DT6: 46
	0415	175	892						SB #22
	0434	175	950	2326					END #175
	0434	176	951						START #176
	0445								D.T.'s #1-41; #2-37; #3-33; #4-38; #5-27; #6-40
	0527	176	107						END #176
	0527	177	108	2330					START #177
	0618	177	260						END #177
	0618	178	261	2331					START #178
	0710	"	416						END #178

1837 1838

RV CONRADAND R/V'S —DFS IV 46 CHANNELSCRUISE RC 24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO 04LINE TYPE ~~RES~~SOURCE 4/466 in 3 air gunsBPI 1600

CDP

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
127	0730	179	478	2333	20	4	8	4	BEGIN LINE 04
1	0753	"	547	2334					INCREMENT LINE ID To '04'
	1801	"	569	2334					END #179 (TPX-1)
	0801	180	570	"					BEGIN #180 (TPX-2)
	0825	—	—	"					DT's #1=42, #2=40, #3=33, #4=42, #5=33, #6=50
	0852	181	726	2334					START TAPE #181 ON TPX-1
	0943	182	879	2334					START TAPE #182 ON TPX-2
	1006	—	—	2334					DT's #1=40, #2=38, #3=37, #4=37, #5=30, #6=45
	1024	—	001	2334					OSCILLOGRAPH —
	1036	183	037	2334					START TAPE #183 ON TPX-1
	1127	184	190						START TAPE #184 ON TPX-2
	1201		293						#1-40, #2-36, #3-31, #4-36, #5-28, #6-43
	1205	184	306						END TAP 184 - MISSED ONE SHOT & TPK malfunction.
	1206	185	308	2335	20	4	8	4	START TAPE 185 TPX-1
	1234		390						SB#-23, #1-40, #2-38, #3-32, #4-35, #5-28, #6-44
	1257	185	461						END TAPE 185
	1258	186	462	2335	20	4	8	4	START TAPE 186 TPX-2
✓	1325		543						#1-40, #2-37, #3-32, #4-36, #5-30, #6-44
✓	1349	186	617						END TAPE 186

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R/V CONRAD
 CRUISE RC 24-05
 LINE NO. 04

AND R/V S _____
 AREA MOROCCAN MARGIN
 LINE TYPE CDP

SOURCE 4/466 IN³ air GUNS
A/O 1359 3 GUNS

DFS IV 48 CHANNELS
 FORMAT: SEG B
 BPI 1610

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
127	1350	187	618	2335	70	4	8	4	START TAPE 187 TPX-1
	1350		619		20	4	8	4	ALL GUNS OFF / AIR PRESSURE ALARM
	1352		626						GUNS #3+#4 back ON + Firing
	1359		645						Gun #1 ON
	1417		699						#1-42, #2-38, #3-32, #4-35, #5-26, #6-42
	1418		703						CAMERA RECORD - O.K.
	1440	187	770						END TAPE 187
	1441	188	771	2334	20	4	8	4	START TAPE 188 TPX-2
	1504		842						#1-44, #2-40, #3-32, #4-38, #5-24, #6-41
	1532		926						END TAPE 188
	1533	189	927	2334	20	4	8	4	START TAPE 189 TPX-1
	1602								DI #1=43, #2=39, #3=33, #4=35, #5=25, #6=42
	1622								Sinc errors lit up from shot 75-80
	1624	190	82	2334	20	4	8	4	TPX 2
	1638								4 GUNS Firing
	1706								Camera record - 1
	1716	191	238						
	1734	191	276		20	4	8	4	TPX 1 RAN AWAY
127	1739	192	277	2334	20	4	8	4	TPX 2 FIRST SHOT

7 MAY 1983

RECORDING LOG

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R/V CONRAD

AND R/V'S N/A

DFS IV 48 CHANNELS

CRUISE RC24-05

AREA MOROCCAN MARGIN

FORMAT: SEG B

LINE NO 04

LINE TYPE COP SOURCE 4/466 CV. IN AIRGUN

BPI 1600[illegible]

RECORDING LOG

PAGE NO. 33.4R/V CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SE6 BLINE NO. 05LINE TYPE CDPSOURCE 4/466IN³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
127	1902	193	001	2330	20	4	8	4	FIRST SHOT TPX-1, S.O.L. #05
1 MAY 1934	1906	193	011	[DATA BEGINS SHOT 11]					NO DATA RECORDED FIRST 10 SHOTS
	1922								DI #1=41, #2=37, #3=34, #4=40, #5=31, #6=51
	1930		84	2326					Camera record
	1953	194	155	11					begin tape 194 TPX 2
	2046	194	311	11					end tape 194 TPX 2
	2046	195	312	11					begin tape 195 TPX 1
	2137	195	465	11					end tape 195 TPX 1
	2137	196	466	11					begin tape 196 TPX 2
	2144	196	487	11					DI #1=42, #2=39, #3=34, #4=37, #5=29, #6=44
	2212	196	569	2326					Camera record
	2225			2325					Gun #2 has air leak (pull) go with
									(guns 1, 3 & 4 until repaired)
	2231	196	628	2324					end tape 196 TPX 2
	2231	197	629	11					begin tape 197 TPX 1
	2320	197	777	11					end tape 197 TPX 1
	2320	198	778	11					begin tape 198 TPX 2
	0003		932		20	4	8	8	end tape 198 (TPX-2)
✓	0003	199	933						start tape 199 (TPX-1)

DT1: 37
DT2: 42DT3: 31
DT4: 36DT5: 30
DT6: 45

RECORDING LOG

PAGE NO. 36 35RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RL24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO. 05LINE TYPE ACSSOURCE 4 466 IN³ AIRGUNSBPI 1600CDP

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
128					20	4	8	4	
	0044	199	998	2321					TAPE POSSIBLY NOT FILLED
	0044	200	999	2321	11	11	11	11	START TAPE 200 (TPX-2) MARK
			11						END TAPE 200 ONLY 9 SHOTS RECORDED
	0049	201	12	2321	11	11	11	11	START TAPE 201 DT1: 42 DT3: 34 DT5: 32 DT2: 39 DT4: 40 DT6: 47
	0108		68						START SONOBUOY #24
	0142		164						END TAPE #201 (TPX 2 - ^{RUN} AWAY) (FOUR SHOTS MISSED)
	0142	202	165	2319	11	11	11	11	START TAPE #202 (TPX 1) DT1: 44 DT3: 32 DT5: 27 DT2: 39 DT4: 37 DT6: 45
	0149								ALL FOUR GUNS FIRING missed 7 shots?
	0242	203	325	2330	11	11	11	11	START TAPE #203 (TPX-1) DT1: 42 DT3: 31 DT5: 27 DT2: 36 DT4: 36 DT6: 42
	0331		472	2313					END TAPE #203
	0331	204	473	2313	11	11	11	11	START TAPE #204 (TPX-2) DT1: 42 DT3: 32 DT5: 27 DT2: 37 DT4: 37 DT6: 45
	0355		547	2312					END SB #24
	0423	204	629	2311					END #204
	0423	205	630	2311					START #205
	0515	205	783	2306					END #205
	0515	206	784	2306					START #206
	0610	206	945	2304					END #206
✓	0610	207	946	2304					START #207 - PROBLEM W/ TPX-1 / BACK TO TPX-2

8 MAY 1983

RECORDING LOG

PAGE NO. 37 36RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEEBLINE NO. 05LINE TYPE HEB
CDPSOURCE 4 - 466 in³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
128					20	4	8	4	MISSED 5 SHOTS / TAPE 207-NON-EXISTENT
	0610	208	947	2302					START #208
	0622			2300					DT'S #1-42; #2-37; #3-34; #4-41; #5-32; #6-50
	0703	208	100	2287					END 208
	0703	209	101	2287					START #209
	0711			2285					DT'S #1-41; #2-36; #3-31; #4-37; #5-28; #6-45
	0754	209	254	2282					END # 209 TAPE # 209
	0754	210	255	2282					START # 209 TAPE # 210
	0800			2274					DT'S #1-42; #2-36; #3-32; #4-36; #5-29; #6-48
	0836	"	379	2261					LAST SHOT, TAPE # 208 (TPX-2 STOPPED)
	0838	211	380	2260					FIRST SHOT, TAPE # 211 (TPX-1) 5-6 SHOTS MISSED
	0842	"	382	2258					END TAPE # 211, "TAPE" LIGHT ON.
	0843	212	383						FIRST SHOT, TAPE # 212 (TPX-2)
	0915	"							DT'S #1=40, #2=37, #3=34, #4=38, #5=36, #6=47
	0934	213	536	2237					1 SHOT ON #2 TAPE # 213
	0935	214	537						MISSED 4 SHOTS ON TPX 2 - START TAPE # 214
	1024			2221					DT'S #1=40, #2=37, #3=34, #4=38, #5=37, #6=47
	1027	"	693	"					END TAPE # 214 (TPX-2)
	1027	215	694	2220					FIRST SHOT TAPE # 215 ON TPX-1

8 MAY
1983

RECORDING LOG

PAGE NO. ~~38~~ 37RV CONRADAND R/V'S N/ACRUISE RC24-05AREA Morocco Continental MarginDFS IV 48 CHANNELSFORMAT: SEGBLINE NO. 05LINE TYPE ~~SE~~
CDPSOURCE 4-466 in. cu AirgunsBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
128	1030	215	701	2219	20	4	8	4	SONOBOY #25 IN WATER.
8 May	1119	216	847	2196	4	4	4	6	START TAPE #216 ON TPX-2.
1983	1128	?	—		4	4	4	5	DT's #1=42, #2=37, #3=33, #4=40, #5=33, #6=47
	1210	216	3						END TAPE 216
	1210	217	4	2190	20	4	8	4	START TAPE 217 TPX-1
	1234		76						#1-43, #2-36, #3-34, #4-37, #5-31, #6-47
	1302	217	157						END 217 TWO SHOTS MISSED
	1308	218	158	2175	20	4	8	4	START 218 TPX-2
	1329		237						#1-47, #2-35, #3-32, #4-36, #5-31, #6-47
	1330								END SB #25
	1354	218	312						END 218
	1354	219	313	2160	20	4	8	4	START 219 TPX-1
	1419		389						#1-42, #2-39, #3-33, #4-39, #5-30, #6-46
	1420		391						CAMERA RECORD
	1445	219	465						END TAPE 219
	1445	220	466	2145	20	4	8	4	START TAPE 220 TPX-2
	1508		535						#1-43, #2-32, #3-34, #4-38, #5-25, #6-41
	1530	220	599						END TAPE 220
✓	1530	221	600	2140	20	4	8	4	START TAPE 221 TPX-1

RECORDING LOG

PAGE NO. 37 38R/V CONRADAND R/V'S CRUISE RC 24-05AREA Moroccan MarginLINE NO. 05LINE TYPE CDPSOURCE 4-466 in³ Air gunsDFS IV 48 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
128	1552	221	665		20	4	8	4	#1-43, #2-37, #3-35, #4-36, #5-30, #6-45
8 May 1830	1621	222	753	2100					
	1650		840						SB #26 Launched
	1702		876						Camera record
	1713	223	910	2130	20	4	8	4	TPX 1
	1804	224	63	2060	20	4	8	4	TPX 2
	1820								DI #1=43, #2=38, #3=34, #4=37, #5=25, #6=44
									LAST SHOT, TAPE #224
	1856	225	219	2033	20	4	8	4	FIRST SHOT, TAPE #225
	1858	-							Profiler cropped out
	1932		326						profiler back on
	1938								bridge transmitting by radio
	1947	226	373	2045	20	4	8	4	TPX 2
	2040	226	530	2100					end tape 226 TPX 2
	2040	227	531	2100					begin tape 227 TPX 1 (malfunction)
	2138	227	689	2157					end tape 227 TPX 1 4 photos lost
	2140	228	687	2156					begin tape 228 TPX 2
	2145	228		2157					DI #1=41, #2=37, #3=34, #4=39, #5=31, #6=47
	2147	228	710	2155					Camera record

RECORDING LOG

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AND R/V'S _____

CRUISE 24-05AREA MOROCCAN MARGINLINE NO 05LINE TYPE CDPSOURCE 4/466 in³ airgunsDFS IU 48 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
128	2230	228	841		20	4	8	4	end tape 228 TPX 2
8 MAY	2230	229	842						begin tape 229 TPX 1
83	2320	229	994						end tape 229 TPX 1
	2320	230	995	1930	11	11	11	11	begin tape 230 TPX 2 TAPE ID LEFT AT 229
	0013		152						END TAPE #230 NO SHOTS LOST
	0013	231	153	1850	11	11	11	11	START TAPE #231 (TPX-1) DT1: 33 DT3: 34 DT5: 30 DT2: 37 DT4: 40 DT6: 46
	0104		305						END TAPE #231
	0104	232	306		11	11	11	11	START TAPE #232 (TPX-2) DT1: 42 DT3: 35 DT5: 27 DT2: 37 DT4: 37 DT6: 46
	0112	232	317	1830					START NEW TAPE #232 (TPX-1)
	0203	"	468						END #232
	0203	233	469	1800	11	11	11	11	BEGIN #233 (TPX-2) DT1: 42 DT3: 32 DT5: 27 DT2: 37 DT4: 37 DT6: 44
	0255		623						END #233
	0255	234	624	1780	11	11	11	11	START TAPE #234 (TPX-1) DT1: 43 DT3: 34 DT5: 28 DT2: 36 DT4: 39 DT6: 46
	0330		729	1775	11	11	11	11	SONOBUOY #27 START
	0346		776	1764					END #234
	0346	235	777	1764	11	11	11	11	START TAPE #235 (TPX-2) DT1: 42 DT3: 34 DT5: 32 DT2: 36 DT4: 39 DT6: 46
	0440	235	933	1740					END #235
	0440	236	934	1740					START #236
	0453			1740					DT'S #1-43; #2-36; #3-32; #4-36; #5-27; #6-45

RECORDING LOG

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~~#1~~ 40R/V CONRADAND R/V'S CRUISE RC2405AREA MOROCCAN MARGINLINE NO. 05LINE TYPE CDPSOURCE 4/466 m³ airgunsDFS IV 48 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
128 9 MAY 1983					20	4	8	4	
	0508			1738	"	"	"	"	#2 GUN BLEW AN AIRLINE — BEGIN 3 GUNS
129	0533	236	83	1736	"	"	"	"	END #236
	0533	237	84	1736	"	"	"	"	START #237
	0534	239	88	1736	"	"	"	"	TPX-2 PROBLEM/MISSED 2 SHOTS/END #237
	0534	238	89	1730	"	"	"	"	START #238 ON TPX-1
	0615			1737	"	"	"	"	SB#27 END
	0624	238	241	1736	"	"	"	"	END #238
	0624	239	242	1730	"	"	"	"	BEGIN 239 ON TPX-2
	0629	239		1736	"	"	"	"	DI'S #1:42 #2:36 #3:31 #4:37 #5:26 #6:46
	0630	239	257	1730	"	"	"	"	CAMERA RECORD
	0718	239	400	1749	"	"	"	"	END #239
	0718	240	401	1749	"	"	"	"	BEGIN #240
	0737	"	458	1768	"	"	"	"	RETURN TO 4 GUNS
	0806	"	—	1770	"	"	"	"	DI'S #1:41, #2:35, #3:30, #4:34, #5:27, #6:42
	0808	"	553	1771	"	"	"	"	END OF TAPE #240
	0808	241	554	"	"	"	"	"	START TAPE #241 ON TPX-2
	0841	"	653	1786	"	"	"	"	SONOBOY #28 IN WATER.
✓	0901	"	710	1783	20	4	8	4	END TAPE #241. ON TPX-2.

RECORDING LOG

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RV CONRADAND RV'S DFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEGRLINE NO. 05LINE TYPE CDPSOURCE 4-466 in³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
129	0901	242	711	1783	20	4	8	4	START TAPE #242 ON TPX-1.
9 MAY 1983	0930	"	800	1750					SONAR BOY #29 IN WATER.
	0952	"	864	1742					END OF TAPE #242.
	0952	243	865	"					START TAPE #243 ON TPX-2
	1024	"	—	1727					DT's #1=42, #2=35, #3=30, #4=35, #5=25, #6=43
	1045	244	023	1726					END TAPE #243 AND START TAPE #244 ON TPX-1
	1136	245	177						END TAPE #244 AND START TAPE #245 ON TPX-2
	1142	"	—						DT's #1=40, #2=34, #3=30, #4=36, #5=25, #6=44
	1227	245	332						END TAPE 245
	1228	246	333	1796	20	4	8	4	START TAPE 246 TPX-1
	1254	"	412						#1-41, #2-35, #3-31, #4-36, #5-26, #6-43
	1318	246	483						END TAPE 246
	1319	247	486	1825	20	4	8	4	START TAPE 247 TPX-2
	1348		574						#1-43, #2-34, #3-29, #4-37, #5-23, #6-40
	1411	247	642						END TAPE 247 several parity errors at end of tape
	1411	248	643	1930	20	4	8	4	START TAPE 248 TPX-1
	1417		660						CAMERA RECORD - OK
	1441		731						#1-41, #2-35, #3-30, #4-39, #5-27, #6-44
	1502	248	795						END TAPE 248

RECORDING LOG

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AND R/V'S _____

CRUISE RC 2405AREA Moroccan MarginLINE NO. 05LINE TYPE CDPSOURCE 4-4661h³ air gunsDFS 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
129	1502	249	796	1772	20	4	8	4	START TAPE 249
9 may 1983	1504		799		20	4	8	2	Change delay on DFS + Profiler to 2.0 sec
	1523		860						#1-41, #2-35, #3-31, #4-32, #5-25, #6-45
	1540	249	909						END TAPE 249
	1540	250	910	1650	20	4	8	2	START TAPE 250 TPX-1
	1601		973						#1-41, #2-36, #3-32, #4-36, #5-26, #6-45
	1631	251	65	1439	20	4	8	2	TPX-2
	1724	252	222	1600	20	4	8	2	TPX-1
	1730								D1 #1 = 40, #2 = 35, #3 = 30, #4 = 34, #5 = 25, #6 = 44
	1736								4 guns on line (#1 back in water)
	1815	253	376	1740	20	4	8	2	TPX-2
	1819		386						Camera record
	1907	254	533	1450	20	4	8	2	TPX-1
	1959	255	687	1368					TPX-2
	2051	"	844	1354					END # 255, TPX-2
	2053	257	845	1354					BEGIN # 257 TPX 2 NO 256 - NEVER STARTED ON TPX-1 "TAPE" LIGHT.
	2146	257	3	1178					→ MISSED ABOUT 6 SHOTS. - end tape 257
	2146	258	4	1178					begin 258 TPX 1
	2154			1182					DFS #1 = 40, #2 = 35, #3 = 32, #4 = 37, #5 = 29, #6 = 46

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R/V CONRADAND R/V'S —CRUISE RC24-05AREA MOROCCAN MARGINLINE NO. 05LINE TYPE CDPSOURCE 4/466 in³ airgunsDFS ID 48 CHANNELSFORMAT: SEGBBPI 1600 B.P.I.

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
129		258	~30		20	4	8	0	LOST ASR 60W ORLAY BOX - WENT TO
9 MAY									NON-COMPUTER-CONTROLLED 60W PERENB
1983									SYSTEM IN ORY LAB. SETTING UP FOR CAM-
									UTER CONTROL AT 2214Z.
	2214	258	153						BACK ON LINE
	2232	258	153 153						end tape 258 TPX 1
	2232	259	154						begin tape 259 TPX 2
	2234	259							camera record
	2306	259	244						end tape 259 - excessive ^(see camera record) errors
	2306	260	245						begin tape 260
	2345	260	363					0	DELAY TO 0.0 SEC.
	2357		398		20	4	8	0	LAST SHOT TAPE #260
✓	2357	261	399	860	11	11	11	11	FIRST SHOT TAPE #261 (TPX-2) DT1: 40 DT3: 33 DT5: 32 DT2: 36 DT4: 37 DT6: 47
130	0050		555						LAST SHOT TAPE #261 1 SHOT LOST
10 MAY	0050	262	556	600	11	11	11	11	FIRST SHOT TAPE #262 (TPX-4) DT1: 42 DT3: 33 DT5: 32 DT2: 36 DT4: 38 DT6: 50
1983	0141		709						LAST SHOT TAPE #262 NO SHOTS LOST
	0141	263	710	8190	11	11	11	11	FIRST SHOT TAPE #263 (TPX-2) DT1: 42 DT3: 32 DT5: 31 DT2: 36 DT4: 37 DT6: 47
	0234		869						LAST SHOT TAPE #263 7 SHOTS LOST
✓	0236	264	869	110	11	11	11	11	FIRST SHOT TAPE #264 (TPX-1) DT1: 42 DT3: 34 DT5: 34 DT2: 37 DT4: 38 DT6: 50

RECORDING LOG

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R/V CONRAD

AND R/U'S N/A

CRUISE RC 24-05

AREA MOROCCAN MARGIN

LINE NO. 05

LINE TYPE RMS
COP

SOURCE 4 466 in³ AIRGUNS

DFS IV 48 CHANNELS

FORMAT: SEG B

BPI 1600

[illegible]

RECORDING LOG

PAGE NO

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CRUISE RC24-03

LINE NO 06

AND R/V S

AND R/V'S N/A
AREA Moroccan Margin

LINE TYPE MCS

SOURCE 4 #66 in³ Airgas

DFS IV 48 CHANNELS

FORMAT: SEGB

BFI 1600

[illegible]

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AND R/V'S N/A

DFS IV 48 CHANNELS

AREA MOROCCAN MARGIN

FORMAT: SEGB

LINE TYPE

SOURCE 4/46 IN³ AIR GUN

BPI 1600

CDP.

[illegible]

RECORDING LOG

PAGE NO. 47RV CONRADAND R/V'S CRUISE RC2405AREA MOROCCAN MARGINLINE NO. 08LINE TYPE CDPSOURCE 4/466 IN³ AIR GUNSDFS IV 48 CHANNELSFORMAT: SEG BBPI 1610

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
10 MAY 1983									
130	1411	276	1	52	20	4	8	0	BEGIN LINE 08, START TAPE 276
	1419		25						ALL FOUR GUNS FIRING
	1436		75						#1-45, #2-40, #3-38, #4-42, #5-28, #6-42
	1447		110						SB# 33
	1503	276	158						END TAPE 276
	1504	277	159	55	20	4	8	0	START TAPE 277 TPX-1 ONE SHOT MISSED TPX NOT ON
	1530		237						#1-45 #2-38 #3-34 #4-37 #5-24 #6-41
	1531		239						CAMERA RECORD - OK
	1547		286						GUNS 1+2 OFF - fuel oil problems
	1555	277	313						END TAPE
	1556	278	314						FAILED TAPE 278 RESTARTED TPX 2
	1600	278	315	52	20	4	8	0	MISSED TWO OR THREE SHOTS ON FIRST TRY
	1625		387						4 GUNS GOING
	1634		418						CAMERA RECORD
	1652		470						FAILED TPX 2 ON FIRST SHOT.
	1657	279	472	56					5 MINUTES' LOST. 279 ON
	1717	279	537						5/B# 33 END
	1747								DI: #1=43, #2=35, #3=34, #4=37, #5=33, #6=50
	1748	280	626	466					TPX 2

RECORDING LOG

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AND R/V'S _____

CRUISE RC2405AREA Moroccan MarginLINE NO. 08LINE TYPE CDPSOURCE 4 466 m³ ArgunsDFS 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
130	1832	280 <small>280</small>	756		20	4	8	0	Parity & Sync errors
	1841	281	783	870					TPX #1
	1901		843		20	4	8	2	Change to 2 MSEC delay
	1932	282	937	1071	20	4	8	2	1 Shot missed at change over TPX 2
	2025	282	94	1197					end tape 282 TPX 2
	2025	283	95	"					begin tape 283 TPX 1
	2116	283	248	1350					end tape 283 TPX 1
	2116	284	249	"					begin tape 284 TPX 2
	2123	284		1395					DT #1=45; #2=36; #3=32; #4=40; #5=26; #6=46
	2208	284	403	1695					tape 284 end TPX 2
	2208	285	404	"					begin tape 285 TPX 1
	2217	285	432	1680					change MCS monitor profile to 4.0 sec delay
	2259	285	556	1670					end tape 285
	2259	286	557	"					tape 286 malfunction - 1 shot lost - end
	2302	287	558	"					begin tape 287 TPX 2
	2318	287	604	1675					camera record
	2354	287	711						end tape 287 TPX 2
	2354	288	712						begin tape 288 TPX 1

RECORDING LOG

PAGE NO. 4RV CONRADAND RV'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO. 08LINE TYPE MCSSOURCE 4 466 m³ AIRGUNSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
131	0046	288	868		20	4	8	4	END TAPE #288 NO SHOTS LOST
	0046	289	869	1920	"	"	"	"	START TAPE #289 (TPX-1) DT1: 43 DT3: 34 DT5: 35 DT2: 36 DT4: 40 DT6: 50
	0051	"	883					4	CHANGE DELAY TO 4.0 SEC. (885 ON DATA LOGGER)
	0055		893						SONOBUOY #34 START
	0138	290	24	1950	"	"	"	"	START TAPE #290 (TPX-2) DT1: 43 DT3: 31 DT5: 27 DT2: 36 DT4: 38 DT6: 44
	0230		179						END TAPE #290
	0230	291	180	2070	"	"	"	"	START TAPE #291 (TPX-1) DT1: 42 DT3: 31 DT5: 31 DT2: 36 DT4: 36 DT6: 44
~0300		~270							LOST GUN #3 - APPARENTLY AN ELECTRICAL PROBLEM
	0321	291	334						END TAPE #291 NO SHOTS LOST
	0321	292	335	2140	"	"	"	"	START TAPE #292 (TPX-2) DT1: 41 DT3: 32 DT5: 31 DT2: 36 DT4: 37 DT6: 48
	0330								END SONOBUOY #34
	0408	292	475	2230	"	"	"	"	START GUN #3
	0413	292	489	2233					END #292
	0413	293	490	2233					START #293
	0430	293	542	2232					START SONOBUOY #35
	0504	293	643	2233					END #293
	0504	294	644	2233					START #294
	0515	294		2233					DT's #1-40; #2-34; #3-32; #4-37; #5-28; #6-44
	0556	294	799	2200					END #294

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R/V CONRADAND R/V'S N/ACRUISE RC2405AREA MOROCCAN MARGINLINE NO. 08/09/010LINE TYPE MCSSOURCE 4/466 m³ ARGONUSDFS 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
131	0556	295	800	2000	20	4	8	4	START #295
11 MAY 1983	0640		930		"	"	"	"	GUN#1 BEGINNING TO FIRE ERRATICALLY
	0647	295	952	2140	"	"	"	"	END #295
	0647	296	953	2140	"	"	"	"	START #296
	0654	296		2145					DTs #1-40; #2-38; #3-32; #4-36; #5-30; #6-44
	0700	296	950	2134					START OF LINE 009
				LINE 009					START
				20	4	8	4		
	0740	296	109	2135					END #296
	0740	297	110	2135					START #297
	0824	-	-	2147					DTs #1-43; #2-35; #3-29; #4-38; #5-22; #6-39
	0831	+	262	2149					END OF TAPE #297
	0831	298	263	+					START TAPE #298 ON TPK 2
	0922		417	-					END OF TAPE #298
	0925	299	419	2166					START TAPE #299 ON TPK-1 (8 shots, missed)
	0957	299	515	2175	20	4	8	4	END OF LINE 009, STARTING TURN FOR
			LINE 010	START					LINE 010
	0957	299	516	2175	20	4	8	4	FIRST SHOT, LINE 010, BEND IN THE CABLE
✓	1016	300	571	2173	2	2	2	2	START TAPE #300 ON TPK-2

RECORDING LOG

PAGE NO. 50RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC2405AREA MOROCCAN MARGINFORMAT: SEG BLINE NO 08/09/010LINE TYPE MCSSOURCE 4/466 m³ ARGONUSBPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
131	0556	295	800	2000	20	4	8	4	START #295
11 MAY 1983	0640		930		"	"	"	"	GUN#1 BEGINNING TO FIRE ERRATICALLY
	0647	295	952	2140	"	"	"	"	END #295
	0647	296	953	2140	"	"	"	"	START #296
	0654	296		2145					DTs #1-40; #2-38; #3-32; #4-36; #5-30; #6-44
	0700	296	980	2134					START OF LINE 009
				LINE 009					START
					20	4	8	4	
	0740	296	109	2135					END #296
	0740	297	110	2135					START #297
	0824	-	-	2147					DTs #1=43, #2=35, #3=29, #4=38, #5=22, #6=39
	0831	+	262	2149					END OF TAPE #297
	0831	298	263	?					START TAPE #298 ON TPX 2
	0922		417	-					END OF TAPE #298
	0925	299	419	2166					START TAPE #299 ON TPX-1 (8 shot, missed)
	0957	299	515	2175	20	4	8	4	END OF LINE 009, STARTING TURN FOR
			LINE 010	START					LINE 010
	0957	299	516	2175	20	4	8	4	FIRST SHOT, LINE 010, BEND IN THE CABLE
✓	1016	300	571	2173	2	2	2	2	START TAPE #1300 ON TPX-2

RECORDING LOG

PAGE NO. 51RV COURADAND RV'S N/ACRUISE RC2405AREA MOROCCAN MARGINLINE NO. 08/09/010LINE TYPE MCSSOURCE 4/466 m³ ARGENTUSDFS IV 48 CHANNELSFORMAT: SEG BBPL 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
131	0556	295	800	2000	20	4	8	4	START #295
11 MAY 1983	0640		930		"	"	"	"	GUN#1 BEGINNING TO FIRE ERRATICALLY
	0647	295	952	2140	"	"	"	"	END #295
	0647	296	953	2140	"	"	"	"	START #296
	0654	296		2145					DTs #1-40; #2-35; #3-32; #4-36; #5-30; #6-44
	0700	296	980	2134					START OF LINE 009
				LINE 009					START
					20	4	8	4	
	0740	296	109	2135					END #296
	0740	297	110	2135					START #297
	0824	-	-	2147					DTs #1-43; #2-35; #3-29; #4-38; #5-22; #6-39
	0831	-	262	2149					END OF TAPE #297
	0831	298	263	?					START TAPE #298 ON TPK 2
	0922		417	-					END OF TAPE #298
	0925	299	419	2166					START TAPE #299 ON TPK-1 (8 shots missed)
	0957	299	515	2175	20	4	8	4	END OF LINE 009. STARTING TURN FOR
				LINE 010					START - LINE 010
	0957	299	516	2175	20	4	8	4	FIRST SHOT, LINE 010. BEND IN THE CABLE.
✓	1016	300	571	2173	2	2	2	2	START TAPE #1300 ON TPK-2

RECORDING LOG

PAGE NO. 51RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC27-05AREA MOROCCAN MARGINFORMAT: SEG B.LINE NO. 010LINE TYPE COPSOURCE 4/466m³BPI 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
131	1016	300	571	2173	20	4	8	4	START TAPE #300 ON TPX-2.
11 MAY, 83	1036	4	—	2162	4	4	4	4	DTG: #1=38, #2=38, #3=36, #4=41, #5=37, #6=53
			7						START TAPE
	1113	301	729	2157	20	4	8	4	TPX 2 FIRST SHOT, ≈ 10 SHOES MISSED TRANSPORT MLFW.
	1117	"	740		"	"	"	"	TAIL BUOY DEAD ASTERN (R.I.P.)
	1135	301	787						#301 OFF EARLY BACKING UP.
	1135	302	788	2210	20	4	8	4	#302 ON TPX-1
	1152	4	838						SONOBUOY IN WATER, SB #36
	1207		862						#1-38, #2-36, #3-32, #4-38, #5-30, #6-45
	1226	302	940						END TAPE 302
	1226	303	941	2320	20	4	8	4	START TAPE 303 TPX-2
	1252		17						#1-39, #2-35, #3-33, #4-38, #5-30, #6-45
	1318	303	97						END 303
	1318	304	48	2330	20	4	8	4	START TAPE 304 TPX-1
	1343		172				✓		#1-40, #2-35, #3-31, #4-35, #5-26, #6-45
	1409	304	249						END TAPE 304
	1409	305	250	2082	20	4	8	4	START TAPE 305 TPX-2
	1436	305	330	199					END TAPE 305 — END LINE 10 — END SB #36

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AND R/V'S

DFS IV 48 CHANNELS

AREA MOROCCAN MARGIN

FORMAT: SEG B

LINE TYPE CDP

SOURCE 4-466 IN³ AIR GUNS

BPI 1600

[illegible]

RECORDING LOG

PAGE NO. 70R/V ConradAND R/V'S CRUISE 2405AREA MOROCCAN MarginLINE NO. 12LINE TYPE CDPSOURCE 4 466 in 3 AIRGUNSDFS IV 48 CHANNELSFORMAT: SEG BBPI 1600

1983

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
11 MAY									
131	1921	312	001	1980	20	4	8	4	BEGIN LINE 12 ^{TURN} (SHOTS MISSED 1918-1921)
	1944								DT #1=38, #2=35, #3=35, #4=41, #5=35, #6=47 (TURN)
	2012	312	156	1842					end tape 312 TPX 1
	2012	313	157	1842					begin tape 313 TPX 2 end @ 308
	2107	314	312	1842 2129					begin tape 314 (4 shots lost)
	2130	314	382	2163					Sonobuoy #38 launched
	2158	314	464	2189					end tape 314 TPX 1
	2158	315	465	2189					Begin tape 315 TPX 2
	2218	315	528	2197					camera record
	2250	315	620	2197					end tape 315 TPX 2
	2250	316	621	2197					begin tape 316 TPX 1
	2340	316	774						end tape 316 TPX 1
	2340	317	775						begin tape 317 TPX 2
	2349	317							DT #1=39, #2=35, #3=30, #4=35, #5=30, #6=45
132	0033		930						LAST SHOT TAPE #317 NO SHOTS LOST (0030: END SB #38)
	0033	318	931	2140	11	11	11	4	FIRST SHOT TAPE #318 (TPX-1) DT1: 38 DT2: 36 DT3: 32 DT4: 36 DT5: 31 DT6: 46
	0115		58						LAST SHOT TAPE #318
	0116	319	931 1	2100	11	11	11	11	GUNS #2, #3 OFF FIRST SHOT TAPE #319 (TPX-2) START LINE 13
									DT1: 40 DT2: 37 DT3: 35 DT4: 38 DT5: 31 DT6: 47

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RV CONRADAND RV'S N/ACRUISE RC24-05AREA MOROCCAN MARGINLINE NO. 14LINE TYPE ACS
CDPSOURCE 4/466 in³ AirgunDFS 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
132	0442	322	17	2135	20	4	8	4	END #322
12 MAY 1983	0442	323	18	2135	"	"	"	"	START #323
	0457	323	—	2150					DT'S: 1-40; 2-40; 3-45; 4-40; 5-34; 6-52
	0534	323	173	2155					END #323
	0534	324	174	2155					START #324
	0607	324	272	2120					SB#39 thru
	0625	324	326	2115					END #324
	0625	325	327	2115					START #325
	0717	325	482	2065					END #325
	0717	326	483	2065					START #326
	0724	"	—	2037					DT'S #1-39; #2-34; #3-30; #4-36; #5-27; #6-43
	0808	"	636	2008					LAST SHOT ON TAPE #326
	0808	327	637	"					START TAPE #327 ON TPX 2
	0900	"	792	1968					Last shot of on Tape #327
	0900	328	793	1968					Start TAPE #328 on TPX-1,
	0912	"	—	1950					DT'S #1=37, #2=34, #3=30, #4=34, #5=25, #6=43
	0951	"	946	1946	"	"	"	"	END TAPE #328
	0951	329	947	1947	"	"	"	"	START TAPE #329
✓	1044	"	104	1865					Last shot on Tape #329

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PAGE NO. (56)RV CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC 24-05AREA MOROCCAN MARGINFORMAT: SEGBLINE NO. 14LINE TYPE MES
CDPSOURCE 4/466 in³ AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
12 MAY 1983	1044	330	105	1866	20	4	8	4	START TAPE # 300 ON TPX-1.
132	1112	"	—	1888	4	4	4	5	DTs, 1#-36, #2-34, #3-33, #4-38, #5-28, #6-45
	1135	331	259	1904	4	4	4	1	START TAPE # 331 ON TPX-2.
	1137	—	—	—	4	4	4	1	TAPE # 331 RUNNING BACK.
	1138	331	254	1905	1	1	1	1	First shot on Tape # 331 on TPX-1 (5 shots missed)
	1203		338						#1-39, #2-35, #3-31, #4, 34, #5-30, #6-45
	1229	331	417						END TAPE 331
	1230	332	418	BAD TAPE	20	4	8	4	← Four shots missed, TAPE RAN BAD TAPE BACKWARDS
	1231	332	419	1950	20	4	8	4	RESTART TAPE 332 TPX-2
	1257		496						#1-39, #2-35, #3-31, #4-36, #5-30, #6-45
	1323	332	574						END TAPE 332
	1323	333	575	1980	20	4	8	4	START TAPE 333 TPX-1
	1349		652						#1-36, #2-34, #3-34, #4-40, #5-35, #6-50
	1354		666						CAMERA RECORD - TRACKS 1+35 dead + will redo later
	1414	333	728						END TAPE 333 ↓ 10K
	1415	334	729	2035	20	4	8	4	START TAPE 334 TPX-2
	1438		800						#1-36, #2-34, #3-31, #4-36, #5-30, #6-44
	1501	334	885						END TAPE 334

RECORDING LOG

PAGE NO. 57R/ CONRADAND R/V'S CRUISE RC 24-05AREA MOROCCAN MARGINLINE NO. 014LINE TYPE CDPSOURCE 4-466IN³ air gunsDFS 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
<u>132</u> <u>12 May '83</u>	<u>1507</u>	<u>335</u>	<u>886</u>	<u>2070</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE 335 TPX-1 / TRACE 35-OK.
	<u>1535</u>		<u>969</u>						#1-37, #2-36, #3-33, #4-40, #5-31, #6-44
	<u>1558</u>		<u>40</u>						END TAPE 335 - SEVERAL PARITY errors at END
	<u>1558</u>	<u>336</u>	<u>41</u>	<u>2100</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE 336 TPX-2
	<u>1631</u>		<u>138</u>						sync & parity errors
			<u>139</u>						" " " " also 140 + 141
	<u>1649</u>		<u>192</u>						Tape 336 began to runaway TPX-2
	<u>1649</u>	<u>337</u>	<u>192</u>	<u>2100</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	TPX1 - TAPE 337
			<u>341</u>						Parity & Sync errors
	<u>1740</u>	<u>338</u>	<u>346</u>	<u>2110</u>					TPX-2
	<u>1759</u>		<u>402</u>	<u>21</u>					parity & sync
	<u>1804</u>			<u>21</u>					DE: #1=38, #2=35, #3=33, #4=38, #5=30, #6=45
	<u>1807</u>		<u>425</u>						paper out on oscillograph
	<u>1821</u>		<u>467</u>						Camera record
	<u>1832</u>	<u>339</u>	<u>502</u>	<u>2125</u> <u>2125</u>					TPX-1
	<u>1845</u>		<u>538</u>						Parity & Sync errors
	<u>1924</u>	<u>340</u>	<u>656</u>						Lost About 15 shots! TPX-2
	<u>1928</u>	<u>340</u>	<u>657</u>	<u>2125</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	TPX-1

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R. V. Conrad

AND R/V'S

CRUISE RC2405

AREA MOROCCAN Margin

LINE NO 14

LINE TYPE COP

SOURCE 4-466 in³ air guns

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
132	2020	340	810	2139	20	4	8	4	end tape 340 TPX 1
12 Aug	2020	341	811	"					begin tape 341 TPX 2
1983	2102	341	938	2112	"	"	"	"	START SB#40
	2112	341	967	2098					end tape 341 TPX 2
	2112	342	968	2098	"	"	"	"	begin tape 342 TPX 1
	2203	342	123	2060					end tape 342 TPX 1
	2203	343	124	"	"	"	"	"	begin tape 343 TPX 2
	2212		150	2056					camera record
	2256	343	279	2075					end tape 343 TPX 2
	2256	344	280	2075	"	"	"	"	begin tape 344 TPX 1
	2327								DT1: 39; #2=35; #3=30; #4=35; #5=27; #6=42
	2347	344	434	2100					end tape 344 TPX 1
	2347	345	435		"	"	"	"	begin tape 345 TPX 2 LAST CLEANED TAPE.
133	0000								END SB#40
	0039	345	589	2100					LAST SHOT TAPE #345 NO SHOTS LOST
	0039	346	590	2150	"	"	"	"	FIRST SHOT TAPE # 346 (TPX-1) DT1: 37 DT3: 30 DT5: 27 DT2: 35 DT4: 36 DT6: 45
	0130		743						LAST SHOT TAPE # 346 NO SHOTS LOST
	0136	347	744	2160	"	"	"	"	FIRST SHOT TAPE # 347 (TPX-2) DT1: 35 DT3: 32 DT5: 30 DT2: 35 DT4: 36 DT6: 45
	0144								AIRGUNS #2, #3 SHUT OFF

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RV CONRADAND R/V'S N/ACRUISE RC24-05AREA MOROCCAN MARGINLINE NO. 14LINE TYPE MCS
EDPSOURCE 4 466 IN³ AIRGUNSDFS IV 48 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
133	0149				20	4	8	4	PROFILER TRIGGERING OFF AIRGUN #4
13 MAY 1983	0226	347	898						LAST SHOT TAPE #347 TAPE BACKING UP (TPX-2)
	0226	348	899	2150	11	11	11	11	FIRST SHOT TAPE #348 (TPX-1) DT1: 37 DT3: 32 DT5: 32 DT2: 36 DT4: 36 DT6: 46
	0312								AIRGUN #1 NOT FIRING
	0313		42						GUNS #2 AND #4 NOW OPERATIONAL
	0316	348	52						LAST SHOT TAPE #348
	0317	349	53						FIRST SHOT TAPE #349 (TPX-2) 4-5 SHOTS LOST TAPE NOT READING 1 ST FILE
	0319	349	54	2200	11	11	11	11	FIRST SHOT TAPE #349 (TPX-1) DT1: 35 DT3: 31 DT5: 35 DT2: 33 DT4: 39 DT6: 47
	0323	349	68						AIRGUN #3 BACK ON (GUNS #2, #3, #4 ON)
	0410	349	206	2375					END #349
	0410	350	207	2375					START #350 - MISSED 6 SHOTS TPX-2 ERROR
	0425			2425					DT's 1-36; 2-36; 3-32; 4-35; 5-29; 6-44
	0503	350	363	2490					
	0503	351	364	2490					
	0530	351	442						SB #41A THROWN OVER - UNSUCCESSFUL
	0540	351	472						SB #41 THROWN OVER
	0555	351	515	2490					END #351
	0555	352	516	2490					START #352
	0602	352	523	2490					END #352 - TPX-2 ERROR

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RV Conrad

AND R/V'S

N/ACRUISE RC24-05

AREA

MOROCCAN MARGINLINE NO. 14

LINE TYPE

ACES
CDP

SOURCE

4/466 in³ AIRGUNDFS 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
133	0602	353	524	2490	20	4	8	4	START #353
13 MAY 1983	0614	—	—	—	"	"	"	"	DT'S 1-35; 2-34; 3-30; 4-35; 5-26; 6-42
	0640	—	—	—	"	"	"	"	ALL FOUR GUNS ON LINE
	0659	353	685	2490	"	"	"	"	END #353
	0659	354	686	2490	"	"	"	"	START #354 - MISSED 6 SHOTS FROM CONTINUED
	0750	354	837	2490	"	"	"	"	START ERROR OF TPX-2
	0750	355	838	2490	"	"	"	"	START #355 ON TPX-2
	0808	355	890	2490	"	"	"	"	PARITY & SYNC. ERRORS.
	0842	"	993		"	"	"	"	END OF TAPE #355 ON TPX-2
	0842	356	994		"	"	"	"	START TAPE #356 ON TPX-1
	0900	—	—		"	"	"	"	DT'S #1=36, #2=34, #3=30, #4=35, #5=32, #6=46
	0933	"	147		"	"	"	"	END OF TAPE #356
	0934	357	148		"	"	"	"	START TAPE #357 ON TPX-2.
	1026	"	305		"	"	"	"	END OF TAPE #357
	1026	358	306		"	"	"	"	START TAPE #358
	1036	"	—						DT'S #1=38, #2=33, #3=30, #4=35, #5=27, #6=43
	1057	"	399						OSCILLOGRAPH.
	1100	"							CHANNEL 17 BACK ON LINE
✓	1117	358	458						END OF TAPE #358.

RECORDING LOG

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RV CONRAD

AND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC2605AREA Moroccan MarginFORMAT: SEGBLINE NO. 14LINE TYPE CDPSOURCE 4/466 in³ AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
<u>133</u>	<u>1117</u>	<u>359</u>	<u>459</u>		<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE #359 ON TPX-2
<u>13 DAY 1983</u>	1118								
	<u>1118</u>	<u>4</u>	<u>462</u>		<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	TAPE #359 RUNNING BACK (NAME OF GW ANCIENT INDIAN)
	<u>1121</u>	<u>360</u>	<u>463</u>		<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	First shot on Tape #360 on TPX-1
	<u>1212</u>	<u>360</u>	<u>615</u>						END TAPE 360
	<u>1212</u>	<u>361</u>	<u>616</u>	<u>2330</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE 361 TPX-2
	<u>1238</u>		<u>694</u>						#1-38, #2-35, #3-30, #4-34, #5-28, #6-43
	<u>1304</u>	<u>361</u>	<u>771</u>						END TAPE 361
	<u>1304</u>	<u>362</u>	<u>772</u>	<u>2340</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE 362 TPX-1
	<u>1324</u>		<u>837</u>						#1-35, #2-32, #3-31, #4-33, #5-28, #6-43
	<u>1350</u>		<u>911</u>						START SB# 42 → Sonobuoy defective - try again
	<u>1355</u>	<u>362</u>	<u>925</u>						END TAPE 362 Several Parity + Sync errors at end of tape
	<u>1355</u>	<u>363</u>	<u>926</u>	<u>2342</u>	<u>20</u>	<u>4</u>	<u>8</u>	<u>4</u>	START TAPE 363 TPX-2
	<u>1400</u>		<u>940</u>						START SB#42 AGAIN
	<u>1420</u>		<u>1</u>						#1-42, #2-32, #3-26, #4-30, #5-20, #6-35
	<u>1422</u>		<u>8</u>						Third try SB#42
	<u>1430</u>		<u>29</u>						CAMERA RECORD - OK
	<u>1436</u>		<u>46</u>						END TAPE 363 - TPX2 RUN AWAY
<u>133</u>									3 Parity errors, 1 sync error

RECORDING LOG

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RV CONRADAND RV'S CRUISE RC 24-05AREA Moroccan MarginLINE NO 014LINE TYPE COPSOURCE 4 466 IN³ AIRGUNSDFS IV 48 CHANNELSFORMAT: SEGBBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
133	1456	364	47	2342	20	4	8	4	START TAPE 264 - TPX-1
Bmwy	1502		127						#1-40, #2-32, #3-30, #4-31, #5-25, #6-43 *GUN #1 OFF
	1526	364	198						END TAPE 364 10 parity errors + 5 sync errors - TPX-1
	1526	365	199	2340	20	4	8	4	START TAPE 365 TPX-2
	1549		266						#1-41, #2-32, #3-30, #4-31, #5-25, #6-41
	1559		296						Sinc + parity errors
	1612		335						" " " also shot 337
	1619	366	355	2300	20	4	8	4	TPX 1
	1649		444						parity errors
			455						" "
			474						Parity + Sinc errors
	1709	367	508	2300					Parity + Sinc error on first shot then ok
			531						Parity error
	1801	368	664	2300					
	1810		689						Camera record tracks 17 + 26 dead!
	1817								Ch 17 ok #26 still out
	1818								ch 26 okay too
			737-						Parity + Sinc errors
133			740						Fault Fmt error

RECORDING LOG

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AND R/V'S _____

CRUISE 2405AREA Moroccan MarginLINE NO 14915LINE TYPE CDPSOURCE 4 466 in 3 AirgunsDFS IV 48 CHANNELSFORMAT: SEG BBPI 1600

JULIAN DATE 1983	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
133	1831	368	cont'd						Gun #1 still out
B MAY	1845		795						Gun #1 back in 4 GUNS Firing
	1852	369	817	2200					TPX 2
			877						Fault - Fmt
			883						Parity error
			884						parity + sync errors
			960						parity + sync errors
	1944	370	973	2100					TPX -1
	1953								Camera record
	1954								Gun #1 not firing
	2036	370	127	2125					end 370 TPX 1
	2036	371	128	2125					ABORTED START TAPE RAN BACKWARDS AFTER 2 SHOTS
	2038	371	130	2125					" " " " " "
	2040	371	133	2122					ON TPX 1. ABOUT 12 SHOTS MISSED ON START
	2051	371	167	2124					Begin line #15
	2132	371	286	2108					end tape 371 TPX 1
	2132	372	287	2104					begin tape 372 TPX 2
	2152	372	343	2120					tape malfunction - ran backwards w/out
	2052	373	344	2100					stop - start tape 373

RECORDING LOG

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AND R/V'S _____

CRUISE 2405AREA Moroccan MarginLINE NO. 14915LINE TYPE CDPSOURCE 4 466 in 3 ArraysDFS IV 48 CHANNELSFORMAT: SEG BBPI 1600

JULIAN DATE 1983	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
133	1831	368	cont'd						Gun #1 still out
13 MAY	1845		795						Gun #1 back in 4 GUNS Firing
	1852	369	817	2200					TPX 2
			877						Fault - Fmt
			883						Parity error
			884						parity + Sync errors
			960						parity + Sync errors
	1944	370	973	2100					TPX -1
	1954								Camera record
	1954								Gun #1 not firing
	2036	370	127	2125					end 370 TPX 1
	2036	371	128	2125					ABORTED START TAPE RAN BACKWARDS AFTER 2 SHOTS
	2038	371	130	2125					" " " " " "
	2040	371	133	2122					ON TPX 1. ABOUT 12 SHOTS MISSED ON START
	2051	371	167	2124					Begin line #15
	2132	371	286	2108					end tape 371 TPX 1
	2132	372	287	2104					begin tape 372 TPX 2
	2152	372	343	2120					tape malfunction - ran backwards w/out
	2052	373	344	2120					stop - start tape 373

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R/V Conrad

AND R/V'S

N/A

CRUISE

2405

AREA

Moroccan Margin

LINE NO.

15/16

LINE TYPE

CDP

SOURCE

4 466 in³ Argyrus

DFS IV

48

CHANNELS

FORMAT

SEGB

BPI

1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
1983									
133	2206	373	384	2146	20	4	8	4	camera record
13 May	2244	373	496	2190					end tape 373 TPX 1
	2244	374	497	2190	"	"	"	"	begin tape 374 TPX 2
	2336	374	653	2171					end tape 374 TPX 2
	2336	375	654	2171	"	"	"	"	begin tape 375 TPX 1
	2342	375		2084					DT#1=39, #2=36, #3=32, #4=37, #5=30, #6=46
134	0026		806						LAST SHOT #375 NO SHOTS LOST GUNS #2, #3, #4
	0026	376	807	2320	"	"	"	"	FIRST SHOT #376 (TPX-2) DT1:37 DT3:33 DT5:33 OPERATIONAL DT2:35 DT4:46 DT6:50
	0059	376	906						BEGINNING LINE 16 COURSE CHANGE
	0118	376							END OF COURSE CHANGE
	0119		963						LAST SHOT #376 TAPE INCREMENT = 375 NO SHOTS LOST
	0119	377	964		"	"	"	"	FIRST SHOT #377 (TPX-1) DT1:42 DT3:29 DT5:29 DT2:36 DT4:36 DT6:46
	0136		16						LINE ID INCREMENTED TO "16" (WAS "15")
	0141	378	25	2330					FIRST SHOT #378 (TPX-2) TAPE NOT WRITING LOST ~ 6 SHOTS
	0145	378	26		"	"	"	"	FIRST SHOT #378 (TPX-1) LOST - 5-6 SHOTS
									DT1:36 DT2:35 DT3:30 DT4:38 DT5:31 DT6:47
	0236	378	178						LAST SHOT #378 NO SHOTS LOST
	0236	379	179	2320	"	"	"	"	FIRST SHOT #379 (TPX-2) DT1:33 DT3:30 DT5:31 DT2:33 DT4:39 DT6:46
	0328		334						LAST SHOT #379 NO SHOTS LOST

RECORDING LOG

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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
1983									
133	2206	373	384	2146	20	4	8	4	camera record
13 May	2244	373	496	2190					end tape 373 TPX 1
	2244	374	497	2190	11	11	11	11	begin tape 374 TPX 2
	2336	374	653	2171					end tape 374 TPX 2
	2336	375	654	2171	11	11	11	11	begin tape 375 TPX 1
	2342	378		2284					DT#1=39, #2=36, #3=32, #4=37, #5=30, #6=46
134	0026		806						LAST SHOT #375 NO SHOTS LOST GUNS #2, #3, #4
	0026	376	807	2320	11	11	11	11	FIRST SHOT #376 (TPX-2) DT1:37 DT3:33 DT5:33 OPERATIONAL DT2:35 DT4:40 DT6:50
	0059	376	906						BEGINNING LINE 16 COURSE CHANGE
	0118	376							END OF COURSE CHANGE
	0119		963						LAST SHOT #376 TAPE INCREMENT = 375 NO SHOTS LOST
	0119	377	964		11	11	11	11	FIRST SHOT #377 (TPX-1) DT1:42 DT3:27 DT5:29 DT2:36 DT4:36 DT6:46
	0136		16						LINE ID INCREMENTED TO "16" (WAS "15")
	0141	378	25	2330					FIRST SHOT #378 (TPX-2) TAPE NOT WRITING LOST ~ 6 SHOTS
	0145	378	26		11	11	11	11	FIRST SHOT #378 (TPX-1) LOST - 5-6 SHOTS
									DT1:36 DT2:35 DT3:30 DT4:38 DT5:31 DT6:47
	0236	378	178						LAST SHOT #378 NO SHOTS LOST
	0236	379	179	2320	11	11	11	11	FIRST SHOT #379 (TPX-2) DT1:33 DT3:30 DT5:31 DT2:33 DT4:39 DT6:46
	0328		334						LAST SHOT #379 NO SHOTS LOST

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R/V CONRADAND R/V'S N/ADFS IV 48 CHANNELSCRUISE RC24-05AREA MOROCCAN MARGINFORMAT: SEG BLINE NO. 16LINE TYPE MCS
CDPSOURCE 4 466 IN³ AIRGUNSBPT 1600

JULIAN DATE	TIME GMT	TAPE #	FILE COUNT	DEPTH FM	POP RATE SEC	SAMP. RATE MSEC	REC. LEN. SEC	TRIP DEL. SEC	COMMENTS
134	0329	380	335	2300	20	4	8	4	START TAPE #380 (TPX-1) DT1: 35 DT3: 30 DT5: 31 DT2: 35 DT4: 39 DT6: 50
	0418	380	486	2290	"	"	"	"	END TAPE #380
	0418	381	487	2290	"	"	"	"	START #381
	0511	381	642	2283	"	"	"	"	END #381
	0511	382	643	2283	"	"	"	"	START #382
	0518			2280	"	"	"	"	DT'S #1-34, #2-30, #3-28, #4-37, #5-30, #6-48
	0601	382	795	2275	"	"	"	"	END #382
	0601	383	796	2275	"	"	"	"	START #383
	0657	383	954	2281	"	"	"	"	END #383
	0657	384	955	2281	"	"	"	"	START #384
	0705				"	"	"	"	DT'S 1-34, 2-30, 3-30, 4-36, 5-30, 6-46
	0748	384	108	2290	"	"	"	"	END #384
	0748	385	109	2290	"	"	"	"	START #385
	0815	385	191	2304	"	"	"	"	Oscillograph -
	0841	"	266	2308	"	"	"	"	END OF TAPE #385 - # ON TPX-2
	0843	386	267	2308	"	"	"	"	START TAPE #386 on TPX-2. the Tape on TPX 1 did not run
	0900	—	—	2310	"	"	"	"	DT'S #1-35, #2-29, #3-26, #4-34, #5-27, #6-43 6 shots missed
	0930	386	407	2312	"	"	"	"	SONOBUOY #43 launched (in water).
	0935	—	422	2312	"	"	"	"	END of Tape #386 on

RECORDING LOG

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R/V CONRAD

AND R/V S. N/A

DFS IV 48 CHANNELS

CRUISE RC2405

AREA Moroccan Margin

FORMAT: SEER

LINE NO 16

LINE TYPE MCS

SOURCE 4 466 in 3 Airguhs

BFI 1600

COP

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