SHAT 95023 17-95 Leg1
104943

Q-MIPS LOG

SHIP AND CRUISE: R/V MATTERAS CM95-17 95023

AREA: BLAKE RIDGE

DATES: 10/11 - 10/18/95

CHIEF SCIENTIST: DILLON

QMIPS LOG: Cruise CH95-17 Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
7	287	1538	L7F1	SO L. VERY NOISY RECORD.
				SUSPECT A CONNECTOR
				REPOTTED THE CONNECTOR TO
				THE DEPRESSOR LAST NIGHT.
	287	16:53		RECORD CLEANED UP A BIT,
				BUT STILL SOME NOISE.
				PAYING OUT MORE WIRE.
		1640		SOME SORT OF 60 CYCLE
				NOISE STARTED UP. WIPING
				OUT THE RECORD. RESPONDER ?
				SOUNDS LIKE IT'S GOING OFF
				WITHOUT CONTROL.
7	287	1656	L7F2.DAT	STARTED NEW FILE. SWITCHED
				POWER OFF + RESET, NOISE
				WENT AWAY. CONTINUING
				ON LINE
				PAYING OUT WIRE - WILL
				HAVE ~ 4200 METERS OUT
				+ SEE HOW IT FLIES.
7	287	1750	L7F2.DAT	DOWN TO A DEPTH OF
				2258 m w/ 4350 METERS
				OF WIRE OUT. ALT = 400 METERS.
				BOB STILL WANTS TO NOSE
				UP.

QMIPS LOG: Cruise C1195-17 Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
7	287	1843	L7F3.DAT	FIRST FEATURES
				OF COLLAPSE APPEARING
				ON SIDESCAN, SUB-BOTTOM
				SHOWING VERY HARD
				DIPPING REFLECTORS, INTO THE
				NE SECTION OF COLLAPSE
				AREA WITH AIRGUNS - EVIDENCE
				OF BSR GONE.
		1934	L7F3.DAT	NOT MUCH BACKSCATTER.
				FLAT - FEATURELESS.
		2014		SUB-BOTTOM DELAY SET
				TO 250 mSECS
				DURATION = 187.5 mSEC
		2038		DELAY-0 DURATION-MAX
		2033		SLUMP FEATURES APPEAR ON
				STBD.
		2054		WIRE OUT 250 m
		2106		Stopped @ 4630m out
				THIS IS THE MAXIMUM WIRE
				OUT WE SHOULD HAVE.
		2228		large feature northern edge of
				collapse to SOB
		2340		LARGE FATURE PORT SIDE
7	288	0136		EOL (NAVIGATION) PROCEEDING
7	288	0227	FISH UP 600 m	TO 3600 m (BEYOND EOL)
		0230	END OF L7F4.DAT	START OF L7F5.DAT
				~~[illegible]~~

31 57.7
75 23.61

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: *(Nav system, observed features, problems, etc.)*
8	288	04:06	START FILE L8FI.DAT	START OF LINE 8
				[illegible]
		0422		PAYING OUT WIRE ~ 700 METERS
		0513		WIRE OUT TO 4150
				METERS. RECORD SO FAR
				HAS BEEN VERY NOISY -
				SEA STATE HAS COME UP -
				CABLE STRUM? LOOKS LIKE
				TELEMETRY HITS HOWEVER.
		0555		NOISE WENT AWAY
				SLOWLY ON RECORD
				(???). NO EXPLANATION AS
				TO WHY OTHER THAN WE CAME
				UP ONTO THE RIDGE + CURRENTS
				MAY BE LESS.
		0628		Data is clean, [illegible]
				so for line is ~~[illegible]~~ feature less
		0710		noisy again
				going out 200 more meters
				2 holes ~60 m across to STBD
		0730		WIRE OUT TO 4350 m
	288	1150 z		CHANGED SUBBOTTOM DELAY TO 500 ms
		1237		CHANGED SUBBOTTOM DELAY TO 650
		1304		CHANGE SB DELAY TO 550 ms
8	288	1413	4333 WIRE OUT	EOL 8 START FILE L8F4.DAT

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
LINE8	288	TURN	L8F4.DAT	BRING UP FISH 1500 M
				L8F4 IS A TURN FILE -
				IGNORE.
	288	1639		ON LINE 9 - STILL RECORDING
				TO L8F4 AS THE FISH
				IS STILL 1000M OFF THE
				BOTTOM. WIND IS OUT OF
				THE WEST PUSHING ON OUR
				STERN. HARD TO MAKE
				WAY AT A SLOW SPEED.
				PAYING OUT WIRE TO 4400 m
				& WILL SEE WHERE BOB
				SITS THEN.
LINE 9		1701	L9F1.DAT	STARTED FILE FOR
				LINE 9. FISH @ 600 m
				ALTITUDE - STILL GOING
				DOWN. SEE WHERE IT
				RIDES AFTER 4400 m
				WIRE OUT.
		1705		PAYING OUT WIRE TO
				4600 m. THATS THE LIMIT
				OF THE SPOOL AS THERE
				IS A BAD SPOT @ ~ 4700 m
		1713	L9F2.DAT	NEW FILE. TRYING "TUG4"
				ON THE FISH - LOOKS LIKE IT

MIGHT BE BETTER THAN "AUTO", THE SETTING IT HAS BEEN ON.

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
Line 9	288	2023	L9F2.dat(cont)	Switch to DGPS Ashtech from P-Code
		2357	L9F3.dat	Switched back to P-Code GPS
	289	0116	L9F3.DAT	CHANGE SR DLY TO 600 ms
EOL9	289	0322	L9F3.DAT	STOP TAPE & CHANGED NAV DISK
		0330	NEW TAPE	
SOL10	289	0525	L10F1.dat	Still lowering fish, Airgun is
				back in water,
				Fish is riding at ~900m above
		1018	L10F2.DAT	bottom cable 4600 m
				currently climbing ridge
	289	1235		CHANGED SUB BOTTOM DELAY TO 700 ms
EOL 10		1330	L11TRN.DAT	START FILE L11TRN.DAT
SOL 11	289	1503	L11F1.DAT	START FILE L11F1.DAT
				WIRE OUT = 4409
	289	1510		CHANGED SUBBOTTOM DELAY TO 450 ms
	289	1515		WIRE OUT = 4600
		1604		SBOTTOM DELAY SET TO
				750 ms.
		1621		SUB-BOT DELAY TO 600 ms
		1644	L11F2.DAT	SWITCH FILES - SET TVG
				BACK TO AUTO. BETTER
				COMPENSATION FOR BEAM EFFECTS
		1704		BRINGING IN 200 m WIRE.
		1713		SUB-BOTTOM DELAY @ 300 ms
11	289	1800		Brought in 150 m of wire
				SUB BOTTOM DELAY @ 500 ms
	289	1843		Bringing in 150 m cable

QMIPS LOG: Cruise CM95-17 Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
11	289		L11F2.DAT	
		2024		WIRE UP ≈ 150 m
		2048		NOISE ON SONAR CHANNELS, RANDOM
		2050		STOP - WILL RESTART
11		2103	L11F3.DAT	START FILE
		2357		RECOVER SIDE SCAN
				VEHICLE NOSE UP - NO
				NOISE. SEEMS NOISE
				APPEARS WHEN VEHICLE
				IS NOSE DOWN.