104933

Q-MIPS LOG

SHIP AND CRUISE: SEAWARD EXPLORER SEAX 95007

AREA: NEW YORK BIGHT

DATES: 5/6/95 - 5/25/95

CHIEF SCIENTIST: SCHWAB

Avg ?

QMIPS LOG: Cruise SEAX 95007 Chief Sci SCHWAB

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
1	128	1623	L1.F1.DAT	S.O.C.1 15db PORT & STRB GAIN ~~12db ON SO BOTTOM~~
—	—	—	—	1/4 SEC PING RATE
				375 m SWATH
		1649		COULDN'T WRITE TO
				FILE - ERROR MSG:
				"Can't write to output file!
				File QMIPS.C LINE 285"
				AT PING 5800
		1653		ISIS DOWN
				RE BOOTING SYSTEM
ONE	128	1659	L1F2.DAT	RESTART
		1715		ISIS DIED
1	128	1719	L1F3.DAT	NEWFILE - ISIS
				HAVING PROBLEMS W/
				TAPE DRIVE
		1723		COULD NOT WRITE TO
				TAPE - REBOOTING ISIS
				? BAD EXABYTES
1		1820	L1F3.DAT	REPLACED DRIVE ⇒ APPROX TIME START FILE
		EOL 1903		
2	128	SOL 1913	L2F1.DAT	Rerunning 1st Line
	128	2025		RIPPLES @ MOTTLED SEA-FLOOR
		2040	L2F2.DAT	FILE CHANGE
		~~2040~~		
		2055		LOW AMPLITUDE TROUGHS (ASYMMETRIC)

QMIPS LOG: Cruise SEAX 95007 Chief Sci SCHWARS

TAPE

	Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
1	2	128	2220	L2F2.DAT	CONTINUING ON LINE
1	2	128	2230	L2F3.DAT	EOL 2
2	3	128	2240	L3F1.DAT	SOL 3
					— PUT IN A NEW TAPE —
					WILL PROCESS LINE 2
					SUBBOTTOM SHOWING BLANKING
	3	128	2329	L3F1.DAT	ISIS FROZE (SHUT DOWN REBOOT)
3	3	128	2339	L3F2.DAT	NEW TAPE/NEW FILE
	3	129	0106	L3F3.DAT	FILE CHG.
	3	129	0142	L3F3.DAT	END LINE 3 / END FILE
	4	129	0148	L4F1.DAT	START LINE 4 (RECORD SEEMS MUCH CLEARER)
					SOMETHING WIERD GOING ON!
	4	129	0309	L4F2.DAT	CHANGE FILE
			0403		STOP
			0404	L4F3.DAT	CHANGE FILE
	4		0449		EOL 4
	5	129	0501	L5F1.DAT	SOL 5
			0543		END L5F1.DAT
			0543	L5F2.DAT	STBD GAIN FUNKEY
					AT SOFILE
			0625		EOF L5F2.DAT
			0625	L5F3.DAT	SOF L5F3.DAT
			0708	L5F3.DAT	EOF L5F3.DAT
	5	129	0709	L5F4.DAT	SOF L5F4.DAT
			0750		EOF L5F4
	5	129	0751	L5F5.DAT	
			0751		
			0823		EOL L5F5.DAT EOL 5

END OF TAPE #3

QMIPS LOG: Cruise SEAV95007 Chief Sci SCHWAB

TAPE	Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
4	6	129	0834	L6F1.DAT	SOL LINE6
					Start of TAPE #4
			0917		EOFile L6F1.DAT
			0918	L6F2.DAT	SOFile L6F2.DAT
			0958		Error "Plotter Timeout Error"
					tape still writing - End of file
					Check to see wasn't screwed w/ L6F2.DAT
			0959	L6F3.DAT	Lines 5 + 6 have widest
					range, so far, in backscatter
			1041	[illegible]	END of file L6F3
			1042	L6F4.DAT	SOL
					Smar not chirping - record poor -
					non-existant!
			1051	L6F5.DAT	
			1054		STOP
			1056	L6F6.DAT	TROUBLES w/ ISIS + GAINS
			12:05		EO File L6F6.DAT
	7	129	12:13	L7F1.DAT	SOL 7
			12:31		EOF L7F1.DAT
					Problems w/ gains again
			12:31	L7F2.DAT	Still gain trouble -
			12:32		stopped and rebooting ISIS -
					gains screwed
			12:34	L7F3.DAT	restart - gains returning to
					normal (??!!)
			13:18		End of file
			13:18	L7F4.DAT	SOF L7F4.DAT (NOTE ACOUSTIC
					BLANKING ON SUBBOTTOM)
			13:26		nav out 1st 8-10 min of file
					NAV BACK ON

Gain Controls
15 port
15 STBD
9 SUB

PWR
on port
on STBD
-6 STBD

QMIPS LOG: Cruise SEAX 95007 Chief Sci SCHWAB

TAPE	Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
4	7	129	14:44	L7F5.dat	Auto Gain Changes — FINALLY
					SET GAINS TO 9db --
					THINK THAT WE HAVE BEEN
					AMPLIFYING THE NOISE UP TO
					THIS POINT.
	7	129	15:35		EOL #7
	8	129	15:48	L8F1.dat	SOL #8
			16:45	L8F1.DAT	STOP (PICKING UP THERMOCLINE)
	8	129	16:46	L8F2.DAT	START
			17:37	L8F2.DAT	STOP
	8	129	17:38	L8F3.DAT	START FILE
	—	—	—	—	NOTE: FISH COMPASS ±30° OFF --- DIDN'T CALIBRATE (*)
			1856		WIRE IN ≈ 2 METERS
			1927		EOL 8
5	9	129	1931	L9F1.DAT	START TAPE 5
				L9F2.DAT	TROUBLES WITH
					ISIS
	9	129	1944	L9F4.DAT	REAL START OF LINE 9
6	10	129	2053	L10F1.DAT	SOL 10
	10		2113	L10F1	BRING FISH TO
					THE SURFACE - MAY HAVE
					SNAGGED SOMETHING
					- STOPPED LOGGING TO DISK
	10		2116	L10F2	EVERYTHING
	10	129	2214	L10F3.DAT	FILE CHANGE

QMIPS LOG: Cruise SBAY95007 Chief Sci SCHWAB

TAPE

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
10	129	2316	L10F4.DAT	FILE CHANGE
		2355	System locked up	
10	130	0001	L10F5.DAT	Tape #1
		0020		EOL 10
11		0026	L11F1.dat	Sol # 11
11	130	0126	L11F2.DAT	FILE CHANGE
—	—	0149	—	SEE NO RIPPLES IN HI-BS AREA (COULD BE SRS --- SAW RIPPLES ON LINE!)
—	—	0157	—	FISH IN ~4m
		0206		PAY OUT FROM METERS (THERMOCLINE)
		0220		SEEING MORE FAR-RANGE NOISE
11	130	0238		SLOW DOWN TO ~1 kt. TO REPAIR BATHY
				FATHOMETER ON STANDBY!
11	130	0240	L11F3.DAT	FILE CHANGE BRING IN FISH SHALLOW CF
—	—	0248	—	RESUME SPEED
		0250		FATHOMETER BACK ON
		0257		RESET STARBOARD GAIN SETTING
		0310		THERMOCLINE NOISE COMES & GOES
		0319		BLANKING ON CHIRP PROFILE COMES & GOES.
11	130	0335	L11F4.DAT	CHANGE FILE
12	130	0426	L12F1.DAT	
		0443	L12F6.DAT	GAIN PROBS DURING FILE CHANGE
		0530	L12F7.DAT	
		0602	L12F7	STOP
		0603	L12F8	START
		0649	L12F8	STOP
	130	0650	L12F9.DAT	START
		0720		LOST POWER ON SHIP - GENERATOR HELL!

QMIPS LOG: Cruise SEAX Chief Sci IL DUCE

TAPE 8

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
12	130	0944	L12F10.DAT	Restart LN abt ½ mi west
				of where lost power
				START OF TAPE #8
		1003		EOL
13	130	1009	L13F1.DAT	SOL
		1051		End of file
		1051	L13F2.DAT	Start file
		1136	L13F3.DAT	"
		12:18	"	EO Line
		1219	L13F4.DAT	SO Line
		1303	L13F5.DAT	
13		1344		EOL #13 (REPAIRING SHIP GENERATOR)
14	130	1407	L14F1.DAT	SOL #13
		1436		Circle to avoid trawler
		1447	L14F2.DAT	Back on line
		1530	L14F3.DAT	
		1613	L14F4.dat	
		1633		Fish up
		1705	L14F5.DA	FILE CHG (PROBS WITH BAINS UNTIL 1712 SUBBOTTOM SET TO 18db)
15	131	1627	L15F1	START LINE 15
		1748	L15F1	EOF
		1748	L15F2	SOF
		1831	L15F2	EOF
		1831	L15F3	SOF
		1855		WIRE UP
		1912		TURNED DOWN SCREEN
				THRESHOLD.
	131	1919	L15F3	EOF
15		1919	L15F4	SOF

QMIPS LOG: Cruise SEAX 95007 Chief Sci SCHWAB

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
15	131		L15F4	1951 GAIN CHANGE
				ISIS GOOF
15	131	2002	L15F4	SHIP'S WAKE SHOWING
				UP DIAGONALLY ACROSS
				THE RECORD
15	131	2016	L15F4	EOL 15
16	131	2023	L16F1	SOL 16
16	131	2151	L16F2	FILE CHANGE
		2219		↓ fish down 10m
16	131	2236	L16F3	FILE CHANGE
16	131	2301	L16F3	FISH IN ~2m
16	131	2318	L16F3	FISH IN ~2m
16	131	2320	L16F3	MANY WRECKS ON
				SS - OR MAYBE
				IT'S JUST RUBBLE
				ANGULAR BLOCKS
16	131	2330	L16F3	EOL 16 - ISIS FROZE
				UP - REBOOTING
			L17F1	
17	131	2335		SOL 17 - ISIS OK

QMIPS LOG: Cruise SEAY 95007 Chief Sci SCHWAB

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
17	131	2340	L17F1	ON LINE - LINE 17
	132	0018	L17F2	
		0101	L17F3	
		0104	L17F4	
		0145	L17F5	
		0322		EOL 17
18	132	0334	L18F1	SOL 18 TAPE START 11
		0417		EOF L18F1
		0417	L18F2	SOF
		0506	L18F2	EOF
		0506	L18F3	SOF
		0549	L18F3	EOF
		0549	L18F4	SOF
		0631	L18F4	EOF
		0631	L18F5	SOF
18	132	0654	L18F5	EOL 18
19	132	0723	L19F1	SOL 19
		0807	L19F1	EOF
		0807	L19F2	SOF
		0851	L19F3	
		0937	L19F4	
		1022	L19F5	
		1101		EOLL 19
20		1106	L20F1	SOL 20
		1151	L20F2	
		1235	L20F3	
		1320	L20F4	
		1420	L20F5	

QMIPS LOG: Cruise S AK 95007 Chief Sci Bubba Schwab

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
20	132	1440	L20F4	EOL 20
21	132	1457 ~~1445~~	L21 F1	SOL 21 START TAPE #12
		1537	L21 F2	
		1628	L21 F2	EOF
		1628	L21F3	SOF
		1710	L21F3	EOF
		1711	L21F4	SOF
		1753	L21F4	EOF
21	132	1753	L21F5	SOF
		1801	L21F5	EOF (SHUT DOWN---SHIP GENERATOR
21	132	1858	L21F6	NEW TAPE #13 IN ISIS
				STARTING FILE L21F6
				BACK ON LINE 21
21	132	1944	L21F6	EOL 21
22	132	1949	L22F1	START LINE 22
		2033	L22F2	
22	132	2130	L22F3	FILE CHANGE
		2219	L22F4	
		2321	L22F5	
		2324		EOL 22
23		2329	L23 F1	SOL 23
	133	0012	L23F2	
		0057	L23F3	
—	—	0135	—	RAISE FISH
		0141	L23F4	Rendezvous
		0224	L23F5	
		0301		EOL 23

QMIPS LOG: Cruise Sea 95007 Chief Sci Schwab

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
24	133	0307	L24 F1	SOL 24 START TAPE #14
		0349	L24 F2	
		0414		WIRE IN ≈ 2 METERS
		0431		EOF L24F2
		0431		SOF L24F3
		0514		EOF L24F3
		0514		SOF L24F4
		0557		EOF L24F4
		0558		SOF L24F5
		0639		EOF L24F5
		0640		SOF L25F6 ??
24	133	0713	L24F6	EOL ~~24~~
25		0732	L25F1	SOL 25
		0821	L25F2	
		0904	L25F3	
		0947	L25F4	
		1030	L25F5	
		1112		EOL
26		1118	L26F1	SOL 26 TAPE #15
		1202	L26F2	
		1245	L26F3	
		1331	L26F4	
		1415	L26F5	
		1501		EOL
27		1509	L27F1	SOL
		1603	L27F1	~~EOF~~ EOF
		1603	L27F2	SOF
		1646	L27F2	EOF
		1646	L27F3	SOF
—	—	1713	—	WIRE IN

QMIPS LOG: Cruise SEAX 9507 Chief Sci JEFF SCHWAB

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
27	133	1729	L27F3	EOF
		1729	L27F4	SOF
27	133	1811		EOF
		1812	L27F5	SOF
		1845		EOL 27
28	133	1852	L28F7	SOL 28
		1935	L28F1	EOF
		1935	L28F2	SOF
		2019	L28F3.DAT	FILE CHG
28	133	2148	L28F3.	BRING FISH IN ~ 4 METERS
29	133	2217	L29F1	SOL 29 - WRITING 1
				FILE/LINE FROM
				HERE ON IN.
				~~*STARTED TAPE 16*~~
				STARTED TAPE 16
		2300		FISH OUT
29	133	2333	L29F2	*STARTED TAPE 17*
				NEW FILE - L29F2.DAT
				ISIS FROZE UP !!
	134	0209		EOL 29
30		0224	L30F1.DAT	SOL 30
		0506		WIRE OUT
		0516		WIRE OUT
		0549		WIRE IN
		0558		WIRE IN
		0617		EOL

QMIPS LOG: Cruise SEAX 95007 Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
31	134	0629	L30F1.DAT	SOL (named wrong)
31	134	0631	L31F1.DAT	SOL
		0652		WIRE OUT ~ 2 METERS
		0657		ISIS AUTO GAIN CHANGE
				RESTORE PARAMS.
		0701		WIRE OUT
		0711		snagged lobster buoy -
				fish up to cut buoy
		0714		WIRE BACK OUT, UP TO
				SPEED
		0716		PORT GAIN WRONG
				RESET. SEE 0657
		0722		WIRE OUT ~ 2 METERS
		0734		WIRE IN ~ 2 METERS
		~~0908~~		Wire in ~ 4 m.
		1031		EOL 31
32	134	~~[illegible]~~		SOL 32
32	134	1035	L32F1.DAT	start of tape # 18
		1416		EOL 32
33		1425	L33F1.dat	SOL 33
		1551		WIRE IN.
		1634		ISIS AUTO GAIN GAIN
				CHANGE, RESTORE
		1651		WIRE IN
		1710	L33F1	TELEMETRY LOST SYNC
		1711	L33F2.DAT	RESTART SYSTEM
		1732		AUTO GAIN CHANGE
				RESTORE
		1825	L33F2.DAT	EOL 33

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
34	134	1833	L34F1.DAT	SOL
—	—	2057	—	FISH OUT (DROP-OUTS ASSOCIATED WITH PAY-OUT)!
34	134	2114	L34F2.DAT	NEW FILE - ISIS
				WENT NUTS - RESTART
				STOPPED RECORDING &
				STARTED NEW FILE...
				SHUTDOWN MULTIPLEXOR
				& RESTARTED
		2157		fish in "hump"
35	134	2222	L35F1.DAT	SOL 35 - SET PING
				RATE TO 1/2 SEC TO
				SEE WHAT THE IMAGE
				LOOKED LOOK LIKE
		2254	L35F2.DAT	BACK TO 1/4 SEC RATE.
				IMAGERY WAS VERY
				BLURRY AT THE FAR
				RANGE @ 1/2 SEC RATE
35	134	2329	L35F3	CRASH // REBOOT
				START TAPE 19 ~~XXX~~
	135	0057		WIRE IN
		0123		System Crash - ISIS off line

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
36	135	0421	L36F1.DAT	SOL Start of Tape 20
		0434		WIRE IN
		0458		EOL36
37	135	0501	L37F1.DAT	SOL
		0507		WIRE OUT
		0516		WIRE OUT
		0531		ISIS GLICH, RESTORE
		0532		WIRE IN
		0546		EOL 37
38		0546	L38F1.DAT	SOL 38
		0627		ISIS F. UP
38	135	0742	L38F1.DAT	EOL 38
				NEW TAPE IN MACHINE
				TAPE # 20
39	136	0033	L39F1.DAT	SOL 39 (FINISHING LINE 35)
	136	0138	L39F1.DAT	EOL 39
40	136	0142	L40F1.DAT	SOL 40
	136	0246	L40F2.DAT	FILE CHANGE
	136	0343	L40F3.DAT	FILE CHG
	136	0441	L40F4.DAT	FILE CHG
	136	0527	L40F4.DAT	EOL 40
41	136	0532	L41F1.DAT	SOL 41
41	136	0645	L41F2.DAT	FILE CHG
41	136	0651	L41F2.DAT	WIRE IN
41	136	0745	L41F3.DAT	FILE CHG
		0839	L41F4.DAT	SOF
42	136	0908	L42F1.DAT	SOLine
		1000		Printer off line?? Restart

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
42	136	1015	L42F2	SOF (time may be wrong)
	136	1028	SOF2	Fish out ~2m
		1133	L42F3 (1108)	Fish out ~1m
		1137		Fish out ~2m
		1205		WIRE UP
		1212		wire up
		1222		Hooked buoy
	136	1232		EOL
43	136	1234	L43F1	SOL START OF TAPE 22
		1322		NEW ROLL F-PC PAPER
		1338		WIRE OUT
		1343	L43F1	EOF
		1343	L43F2	SOF
		1349		WIRE IN ~ 3METERS
		1354		WIRE IN ~ 3 m
		1451	L43F2	EOF
		1451	L43F3	SOF
43	136	1453		WIRE IN ~ 2m
		1546	L43F3	EOF
		1546	L43F4	SOF
43	136	1613	L43F3.DAT	EOL 43
44	136	1620	L44F1.DAT	SOL 44
		1712	L44F2.DAT	FILE CHG.
		1722		WIRE ~~OUT~~ ADJUST
		1803		WIRE OUT
		1805	L44F3.DAT	FILE CHG
		1900	L44F4.DAT	FILE CHG
		1905	L44F5.DAT	FILE CHG
		2044	"	EOL 44
49	137	0834	L49F1.DAT	SOL 49 TAPE # 23

lines 45-48 seismic lines - too rough N-S lines

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
49	137			New tape in #23
49	137	0934	L49F2	SOF
		1009	"	Power glitch restart
		1032	L49F3	SOF
		1059	"	Wire out
		1104	"	"
		1130	L49F4	SOF
		1132		Wire in
		1142		Wire in to check for tangle
		1203		EOL49
50	137	1208	L50F1	SOF
		1239		Fish out
		1248		Fish out
		1306	L50F2	SOF2
		1316		Gains screwed-
		1320		Hooked pot - fish up
		1403	L50F3	File change
		1446		Fish up
		1503	L50F4	
		1537	L50F4.DAT	END LINE DUE TO WEATHER
				NEWTAPE IN #24
51	139	1831	SOL51F1.DAT	SOL 51
		1835		TURN TO AVOID BARGE
		1847		WIRE IN ≈ 2 METERS
		1905		WIRE OUT
		1920		WIRE OUT
		1930	L51F2	change file
		2020	L51F3	WIRE IN
		2231		EOL51
52		2236	L52F1	SOL52

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
52	139	2329	L52F1	ISIS HANGUP
				REBOOT
52	139	2343	L52F2	NEW TAPE #25
52	140	0023	L52F2	EOL 52
53	140	0027	L53F1	EOL 53
53	140			EOL 53
	140	0237	L53F1	EOL 53
54	140	0243	L53F1	SOL 54 → named wrong again
				→ file should be L54F1
				Have to change header
		0247	L54F2	stop - gain trouble
54	140	0249	L54F2	ISIS going - gains OK
54	140	0423	L54F2	EOL 54
55	140	0428	L55F1	SOL 55
55	140	0624	L55F1	EOL 55
56	140	0630	L56F1	SOL 56
		0938	"	fish out
		0945	"	fish out
		0956	"	fish in
		1013	"	fish in
		1020	"	fish in
		1028		fish in
		1036		fish out
56	140	1047	L56F1	EOL 56
57	140	1052	L57F1	SOL 57
		1108	"	Fish in
		1110	"	Fish in
		1117	"	fish out
		1121	"	fish out
		1144		fish out

QMIPS LOG: Cruise SEAX9500 7 Chief Sci SCHWAB

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
57	140	1159	L57F1	Wire in
		1230	L57F1	TAPE FULL Reboot 1515
57		1235	L57F2	NEWTAPE IN TAPE # 26
57				
57		1247		EOL 57
58	140	1258	L58F1	SOL 58
		1356		WIRE OUT
		1430		Wire in
		1447		Wire out
58		1501		EOL 58
59		1506	L59F1	SOL 59
		1518	"	Wire in
		1537		Wire out
		1545		WIRE OUT
		1559		WIRE OUT
		1615		FATOMETER 100, NAV OFF
		1623		NAVIGATION BACK ON.
		1706		EOL 59
60	140	1711	L60F1.DAT	SOL 60
		1731		Wire in
		1758		Wire out
		1805		wire out
		1827		Wire in
		1835		wire in
		1838		wire in
60	140	1858	L60F1.DAT	EOL 60
61	140	1918	L61F1.DAT	SOL 61
		1952		Wire out
		2024		WIRE IN
		2112		EOL 61

QMIPS LOG: Cruise ~~S[illegible]95007~~ Chief Sci ME

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
62	140	2116	L62F1.DAT	SOL 62
62	140	2210	L62F1.DAT	WIRE OUT
		2224		WIRE IN
		2238	"	Wire in
		2301	"	Wire out
62	140	2313	"	EOL 62 freeze at 2320
63	140	2317	L63F1.DAT	SOL 63 (no EOF L63F1.DAT)
		2335		ISIS reboot TAPE #27
		2338	L63F2.DAT	
63	140	2351	L63F3.DAT	
	141	0000	"	Wire out
	141	0006	"	Wire out
	"	0619	"	Wire in
		0025	"	Wire in
63	141	0137	"	SEISMIC COMP. FROZEN
				REBOOT SYSTEM
63	141	0205	"	WATER GUN FAILURE
				REBUILDING PRESSURE
"	"	0210	"	GUN ON-LINE
63	"	0230	"	WATER GUN MALFUNCTION
				PULLED ON DECK
"	"	0255	"	EOL 63
64	141	0301	L64F1.DAT	SOL 64
"	"	0452	"	EOL 64
65	141	0455	L65F1.DAT	SOL 65
65	141	0637		EOL 65 END TAPE 27
66	141	0643	L66F1.DAT	SOL 66 START TAPE 28
		0925	"	Fish out
		0931	"	Fish out
		0954	"	Fish IN

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
66	141	1026	L66F1	EOL66
67	"	1030	L67F1	SOL67
		1106	"	Fish out
		1132	"	Fish in
		1139	"	Fish in
		1407	"	EOL
68	141	1411	L68F1	SOL 68
"	"	1639	"	wire out
		1642		wire out
		1644		wire out
		1704		wire in
		1718		wire in/stop File
		1720	L68F2	START New File
		1738		EOL 68
SOL(69)	141	1803	L69F1	SOL 69 NEW TAPE 29
		1816		wire in
		1842		WIRE OUT
		1853		WIRE OUT
		1920		WIRE IN
		1941		wire in
		2136		EOL69
70	141	2150	L70F1.DAT	SOL70
		2329		screen freeze
		2335		EOL70
71		2340	L71F1.DAT	SOL 71 - Chirp online
		2345		Wire in
		0024	L71F1.DAT	wire in
				winch acting up - don't let out line
71	142	0155	L71F1	EOL 71

QMIPS LOG: Cruise _____ Chief Sci _____

Line #	JD	Start / End	Filename	Comments: (Nav system, observed features, problems, etc.)
72	142	0159	L72F1.DAT	SOL
72	142	0505	L72F1.DAT	EOL 72
73	142	0510	L73F1.DAT	SOL 73
73	142	0633	L73F1.DAT	EOL 73 END TAPE 29
74	142	0745	L74F1.DAT	SOL 74 NEW TAPE 30
74	142	1101	L74F1.DAT	EOL 74
75	142	1105	L75F1.DAT	SOL 75
		1408		EOL 75
76	142	1412	L76F1.DAT	SOL 76
		1730		EOL 76
77	142	1731	L77F1.DAT	SOL 77
		1813		EOL 77
78	142	1819	L78F1.DAT	SOL 78
"	"	2020	L78F1.DAT	Course correction
	142	2105	"	EOL 78
79		2108		- start on 79 (no chirp)
	142	2111	L79F1.DAT	SOL 79
79		2119	"	End of record
	142	2123	L79F2.dat	SOF2
		2125		EOF2
80		2135		SOL 80
80		2320	L80F1.DAT	Freeze on 1515
80	142	2335	L80F2.DAT	SOF2
90	143	0116	L80F3.DAT	SOF3
80	143	0123	L80F3.DAT	EOL 80
81	143	0138	L81F1.DAT	SOL 81
81	143	0255	L81F1.DAT	HIT POT: STOP ISIS @ 0300
				END SIDESCAN ACQ.