

CHAT
95023 104942
17-95 Log!

USGS - BAMG

SEISMIC/GEOPHYSICS LOG

SHIP: HATTERAS

CRUISE: CM1795 95023

AREA: BLAKE SPUR

DATES: 10/13-

CHIEF SCIENTIST: DILLON / DANFORTH

SHIP: _____

PERSONNEL/AFFILIATION/FUNCTION

CRUISE: _____

DATES: _____

AREA: _____

CHIEF SCIENTIST: _____

GMT												
Line#	YrMoDy +JulDy	Time	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape#	Disk#	Magnets	Gravity	Comments	
TURNER	95/10/15 286				DGPS P-CODE	AIRGUN 160 IN ³		1			17:10 AIRGUN IN WATER + FIRING 10 SEC RATE	
1	95/10/15 286	17:50	32 4.0	"		AIRGUN 160 IN ³		1			17:50 LIFI.DAT START LINE 1	
											ON LINE 1 PRE-FILTER GAIN = 18 dB	
1	"	18:46	"	"	"	"					POST FILT GAIN = 24 dB	
											TRYING TO ISOLATE 60 CYCLE NOISE - VERY NOISY ON SHIP.	
1	286	20:23									FILTERS:	
											1 18 18	
											2 18 24	
											3 18 18	
1	286	20:34									4 18 24	
											2 18 18	
											4 18 18	

X ISOLATED THE 60 CYCLE NOISE & ELIMINATED IT
 AFTER THE END OF LINE ONE. PATCH DANIEL WAS
 THE CULPRIT - BOX THAT THE DECK CABLE FEEDS INTO, GROUNDED
 THAT & EVERYTHING LOOKS GREAT FROM LINE 2 ON.

GMT										
Line#	YrMoDy +JulDy	Time +Time	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Magnets Roll#	Gravity	Comments
2	287	0220	90	5	DEPS PROB	160 ³ IN AIR GNN				START LINE 2
										CHAN 2 10-150 Hz
										CHAN 1 10-1500 Hz
										FILTERS: GAIN DB
										1 - 18 18 LR
										2 - 18 18
										3 - 18 18
										4 - 18 18
										END LINE 2
										FILE = SEGY.95287021410
2	287	0539	90	5	DEPS PROB	100 ³ in Argus				File = SEGY.95287053932
3	287	0539	137	4.7	"	"				START LINE 3
										SAME FILTER, GAIN SETTINGS AS LINE
3	287	0630	129	4.3	"	"				<u>2</u>
"	"	0750	136	5.0	"	"				
3	287	0740	136	5.0	"	"				EOL 3

Line#	Yr	Mo	Dy	Time	Crs	Spd	Navigation	Seismic System	Tape#	Magnets	Comments
	+Jul	+Zone		Sweep/Fire/Filters				Roll#	Gravity		
4	287	0744	270	50	DGPS	Pcode	(160173 Argus)	1			SOL 4
											File = segy.95287 074552 Recording 5 seconds for multiple 08312 TFO on WATCH. HAVE NO FEAR
4	"	1230	267	5.0	Pcode		160 ~3 Argus				EOL 4
7	287	1635	93	28			(160 ~3 Argus)	1			SOL 7 (SLOW LINE) w/BOB file = segy.95287 163443
7	287	1813	92	2.5	DGPS-PORG	AIRGUNS w/ BOB		1			(Channel 1 better) ON LINE, LOOKS GOOD, NO LINES
											6 + 5 DUE TO CONFUSION CAUSED BY LOWERING + RAISING SS WHILE CHANGING PLANS ON WHAT TO DO. SCAN ON LINE (SIS-7060) → LOOKS GOOD SO FAR.
7	287	1910	96	2.1							(BSR disappears as enter collapse zone) First signal for about 20 traces very noisy streamer may have gotten too close to (signal back end clear after "noise burst")

2400
E
NO
LINES
S+6

Line#	YrMoDy	Time	Crs	Spd	Navigation	Seismic System	Tape#	Magnets	Comments
	+JulDy	+Zone				Sweep/Fire/Filters	Disk#	Roll#	
7	287	1926	99	7.2	Pcode	160 in ³ 40 gun w/BQB	1		A2d quit unexpectedly new file = seg.y.95287/192651 (will say line&in headers) (a few weird traces after this (nodelay?))
7	287	2000	92	2.2	DGPS/Pcode	"	1		
		~ 2253							gun stopped firing
7	288	0000							AIRGUN RECOVERED WILL REDEPLOY WITH NEW FLOATS AS SINCE THE OLD ONE WAS DESTROYED.
									STILL ON LINE ACQURING SIDESCAN.
10	289	0517	277	4.4	DGPS	160 in ³ Airgun w/Sidescan			Airgun owl during Sidescan - lines 8 & 9
									In w/o floats now
									(seg.y.95289.052759)
									{ printout starts at 504 } (gun is down ~60ft) (delay difference in w/o ~600 ms)

Line#	YrMoDy	Time	Seismic System			Tape#	Magnets			
	+JulDy	+Zone	Crs	Spd	Navigation	Sweep/Fire/Filters	Disk#	Roll#	Gravity	Comments
(10/16/95)	289 288	0700	288	4.2	DGPS	160 m³ airgun				data looks different with new airgun set-up Still good May see evidence of "hydrate stringer early in this line"
10	289 288	0736	284	4.0	DGPS	"				possibly faults (?) below bsr (?)
11	289 288	0920							AIR GUN LEAKING SHUT DOWN	
		1141							REPAIR A-GUN BACK IN WATER	
11	289 288	1143							START A-GUN	
11	289	1313							SIDESCAN EOL 11 (LINE 10)	
12	289	1502			DGPS	160 m³ ARGON			SOL 12	
12	289	1718	94	2.7	DGPS	160 m³ ARGON			File: segy 95289150128	
12	289	1815	93	2.7	DGPS	"			Strong PSR, no other obvious features	
12	289	1829							bubble pulse obscures upper 300 ms	
12	289	1922							file: segy 95289182924 on third file	

labelled Line 11

Part of Line 10

file system failed before
it was through running
last part of line

Line#	YrMoDy	Time	+JulDy	+Zone	Crs	Spd	Navigation	Seismic System	Tape#	Magnets	Comments
								Sweep/Fire/Filters	Disk#	Roll#	Gravity
(12)	13	90	1825	140	2.4	DGPS		160cwinch Argus	3		SOL 13 (Argus line 13. infield back)
											file segy.95290182417
											(Argus survey of stringer anchor Southwest corner of map area) GUN DOWN
2	23	2	290	2310							START LINE 2
											FILE=SEG.Y.95290231006
	13	291	0330								Row OUT OF M-BASE)
	13	291	0343								EOL 13
	14	291	0350	175	3.5						SOL 14
											FILE=SEG.Y.95291034751
											TRANSIT DOWN TO NEXT LINE.
	15	291	0543	151	3.2						SOL 15

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Magnets Roll#	Gravity	Comments
15	291	06:13	153	3.5	DGPS	160 cu in Airgun	3			file: SEGY.95291054321
15	291	0801	164	3.1	DGPS	"				
15	291	0829								EOL, STILL RECORDING THROUGH TURN UNTIL BEGINNING OF LINE 16
16	291	0945	340	2.6	DGPS	160 in ³ AGUN				SOL
16	291	1221								EOL
17	291	1333	165	3.4	DGPS	160 in ³ Arrow				SOL 17
										FILE=SEGY.95291132310
		1425								NEW FILE
		1533								= SEGY.95291142537
17		1533								EOL 17
18	291	1644			DGPS					SOL 18
										FILE=SEGY.95291164242
18	291	1830								Took Airgun out to fix floats
18	291	1843	673	3.0						Airgun Back in 1843 NEW FILE= SEGY.95291184227

