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CRLS 98014

USGS
science for a changing world
COASTAL AND MARINE GEOLOGY PROGRAM
WOODS HOLE FIELD CENTER (WHFC)

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98014sei

SEISMIC/GEOPHYSICS LOG

SHIP AND CRUISE: CORLISS 98014

AREA: SW Washington

DATES: ~~25~~ 28 Aug - 15 Sept, 1998

CHIEF SCIENTIST: Dave Twichell

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
~~16~~	250				?4db	250ms/500ms/300-3000				live in Columbia River
17	250	1632								L1751
		1641								end L1751
		1643								L1752
		1648								
		1652			using the sparker					move trigger
		1653			9db	250/500/300-3000	100	Joules		L1753
		1703			3db when power changes					changing from 100 joules to 300 joules
		1706			0db putting streamer further out					
		1708			3db	adjusting for streamer out				
		1739								shut 3.5 off
		1741								3.5 on again.
		1742			3.5 power low to look at cross talk.					
		1748			3.5 ON					
		1757			c/s 4.9-4.0 kt					
		1759			sparker off to check tips					
		1801			sparker on again					

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
	1823				sparker off because water too fresh - switching to boomer					
	1824				EOF L17F3					
18	1837	gain 3db			SOF	250/500/300-3000				L18S1 swapped boomer for sparker
	1838					gain up to 6db				
	1848					change filter 200-3000				
	1917					doesn't appear to affect seismic				New computer reboot
	1958							L18S1		EOL L18
19	2000	running down river			6db	250/500/300-3000 (200)		L19S1		SOL L19S1
	2106	change power from 300-400 joules								
	2216					shot # 16420				turn run ⊥ to shore
	2222									EOL L19
20	98/09/08 251					300J on power supply				SOL 20
		171350				250/500/200-3000				SOL 20
		1730			sparker off to reboot nav.					
		1731			sparker on again					
		1841								EOL 20
21		1842								SOL 21

slow channel calibration @ 1203.3 - saturation but believe it's only the outgoing pulse

JD 257 No bathy

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
		1844			shot 228 #479 → straightened out after going around barge					L21s1
		191234								EOL L21s1
22		200923								SOL L22s1
		2034								EOL 22s1
23		2035								SOL L23s1
		2050								EOL L23s1
24	257	2050								SOL L24s1
	257	2123								EOL L24s1
25	98/09/09 252				12 ~~15~~ db gain	250/500/ 200-3000	300J on power supply			SOL L25s1 – to display only – tuning
		1731								START RECORDING
		181142				lost NAV ~ 1754, in & out @ 1803 switched to pcode, but didn't start new file – will have to merge pcode NAV later				STOP RECORDING
										pull gear & transit
26	252	1833			plugger					L26s1
		1857								stop logging – hit bottom

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
27	252	195940			plugger	250/500/200-3000				SOL L27S1
		2139				"				EOL L27S1
28		2140			"	"				SOL L28S1
		2149-2150			Boomer power increased to		500 joules			
		2240								EOL L28S1
	98/09/12				200joules SPARKER					
30	255				6db	250/500/200-3000				SOL L30S1
		1712								SOL 30 - start logg
		1825								EOL 30
31		1935			6db	250/500/200-3000	sparker 200joules			SOL 31
		2116								EOL 31
					DGPS					
32	258	[illegible]			6db	250/500/200-3000	sparker 100 joules			
		1615								SOL 32
		1617			turn calibration down on sparker			calibration value 3401.6		
		1618			down gain to 3db					
navigation problems switching to PCODE		175100								EOL L32S1
		175141			PCODE 3db gain	250/500 200-3000	sparker			SOL L32S2

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
		1803						from	1200 to 2283	redo calibration on slow channel locking
32	98/09/15 258	1843								EOL L3252