12-92
CHAT
92028
104863

92023sei

CAPE HATTERAS

CHAT 12-92

CAPE FEAR SLIDE and BLAKE RIDGE

DILLON/SCHWAB

SEPTEMBER 21 - OCTOBER 4, 1992

SEISMICS LOG

U.S.G.S.
GEOPHYSICS
LOG

R/V CAPE HATTERAS
CRUISE: CH-12-92
DILLON/SCHWAB
9/21/92 - 10/4/92

SHIP: R/V CAPE HATTERAS
CRUISE: CH-12-92

DATES: 9/21/93 - 10/5/93
CHIEFS: DILLON/SCHWAB

CATALOG OF DATA

3.5 KHz :

	START	END
Roll # 1 :	266/0442	266/1430
2 :	266/1500	269/1322
3 :	269/1401	269/2330
4 :	270/0000	272/1943
5 :	272/2151	273/~~0649~~ 0732
6 :	273/0800	277/1100
7 :	277/1130	277/1957

LOGS: NAVIGATION, Q-MIPS, GEOPHYSICS

2-CHAN. SEISMICS - 1 ROLL
- OUTPUT FROM ACQUISITION SYSTEM & 2 TRACKLINE MAPS

8 mm TAPES :

TAPE #1 - LINE 1 : 266/0450 - 1705
2 - LINE 2 : 266/1949 - 2152
3 - LINES 2 & 3 : 266/2152 - 267/0005
4 - LINES 3-5 : 267/0005 - 1744
5 - LINES 6 & 7 : 267/1744 - 269/0115
6 - LINES 8-12 : 269/0115 - 271/0824
8 - LINES 15-21 : 272/0650 - 274/0842
7 - LINES 13-15 : 271/0824 - 272/0211
9 - LINE 22A : 274/0842 - 274/1058
10 - LINES 22B-23 : 275/1547 - 276/1125

ORIGINAL FIELD TAPES

11 - DUPLICATE OF FIELD TAPES 1-4 : ~~COPY DOWN~~ COPY H1-4 TO LINUX
12 - PRELIM PROC. LINES 1-5
13 - PRELIM PROC. LINES 6-15b
14 - PRELIM PROC. LINES 15c-23
15 - SHIP'S SAIL DATA

RN CAPE HATTERAS
DILLON/SCHWAB

CH-12-92

3.5 KHz DELAY SETTINGS

TIME	DEPTH RANGE (m)	CODE
0325	2250 - 3000	KP 2E
0441	1500 - 2250	K-P 3E
0354	1125 - 1875	K-P 3C
0303	1500 - 2250	K-P 3E
0745	1875 - 2625	KP 2C
0826	2250 - 3000	KP 2E
?	2625 - 3375	KPK-P 5C
0412	2250 - 3000	KP 2E
1102	2625 - 3375	KPK-P 5C
0600	2250 - 3000	KP 2E
1031	2625 - 3375	KPK-P 5C
272/1030	3000 - 3750	KPK-P 5E
1419	2625 - 3375	KPK-P 5C
0501	3000 - 3750	KPK-P 5E
0926	2625 - 3375	KPK-P 5C
0401	2250 - 3000	KP 2E
276/1636	" "	" "

See Barry - Nav disks - 20 field disks

U.S.G.S.
GEOPHYSICS
LOG

SHIP CAPE HATTERAS

CRUISE NO. CH-12-92

DATE 9/22/92

CHIEF SCIENTIST DILLON

SHIP/CRUISE NO./LEG CH-1.2-92 AREA CAPE FEAR SLIDE

CHIEF SCIENTIST DILLON TIME ZONE

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS
SOL 1	0450	266	193	2.2	GPS	160 IN³ A/C	2SEC				START		STILL TUNING SYSTEM
	0640	266	—	—	—	~~DATA GAP~~	"				1		AIR COMPRESSOR QUIT
	0648	266	193	2.1	GPS	160 IN³	"				1		GUNS BACK ON
	0902	266	200	1.5	GPS	160 IN³	2 SEC			"	1		CHANGED RECORDER SPEED
													FROM 150 TO 75 LINES/INCH
	1040	266	190	1.7	GPS	"	"						CHANGE 3.5 KHZ SCALE TO 2250 m - 3000 m
	≈1500												start hauling sidescan
	1705												slow turn to pull fish
	1949			4.0									start seis line #2
	2030												SWITCH 3.5 SCALE TO 2625 m - 3375 m
	2337												End line 2 start line 3 seismics only
	0021	267	310	4.0	GPS	160 IN³ 2 CHANNEL							CHANGE RECORDING DELAY TO 3 SECONDS
3	0416	267	306	4.0	GPS	160 IN³							CHANGE RECORDING DELAY TO 2 SEC
	0500				LOST NAV	SCREEN ON	BRIDGE ---	PROBLEM	STEERING				
	0545	267	306	4.0	GPS								CHANGE REC. DELAY TO 1 SEC.
EOL 3	0645	267	—	4.0	GPS	160 IN³							E.O.L. 3
SOL 4	0640	267	100	6.5	GPS	160 IN³							SOL 4
	0701	267	099	5.3	GPS	160 IN³							CHANGE REC. DELAY TO 2 SEC.
	0821	267	099	4.5	G.P.S.	↓							CHANGE REC. DELAY TO 3 SEC
	0845	267	099	3.8	LORAN								SWITCH TO LORAN
	0854	267	099	'	GPS								SWITCH TO G.P.S.
EOL 4	0930	267	099	4.1	G.P.S.	160 IN³							E.O.L. 4
SOL 5	1202	267											6 Km before (N/E) planned start pt.
	1220	267	184	2.5	GPS	160 IN³							CHANGED DIGITAL GAIN TO 6 dB
	≈1530												start hauling fish. no stbd-side signal
EOL 5	1744												haul seis. gear - haul sidescan

SHIP/CRUISE NO./LEG C/T 12-92 AREA Blake Ridge

CHIEF SCIENTIST Dillon/Schwab TIME ZONE

LINE START/END	TIME	1992 ~~YYMMDD~~ JD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	SW'P	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
SOL 6	0230				GPS								
	0450	268	212	6	LORAN	160 in3							SWITCH TO LORAN
	0515	268	212	4	GPS	160 in3							SWITCH TO G.P.S.
	0711	268	212	6.2	LORAN	160 in3							SWITCH TO LORAN.
	1115	"	"	"	"	"							SWITCH TO GPS
EOL 6	1243	268	–	–	GPS	160 in3							END OF LINE 6
SOL 7	1315	268	033	3.7	GPS	160 in3							START LINE 7
	1321	268	033	3.4	GPS	160 in3							CHANGE REC. DELAY TO 4 SEC.
	1400	268	033	3.5	GPS	160 in3							CHANGE REC DELAY TO 5 SEC
EOL 7	0108	269											
SOL 8	0127	269											
	≈0200		gun down										
	≈0225		begin circle										
	0315		resume profile										
	0835	269	212	4.3	G.P.S.	160 in3							SWITCH TO LORAN. NAV. POOR
	0850	269	212	4.3	G.P.S.	160 in3							SWITCH BACK TO GPS
	1227	269	12	4.2	G.P.S.	160 in3							LEAK IN HOSE GETTING BAD --- NOTICED ~3 HRS
EOL 8	1322	269	12	4.2	GPS								END OF LINE 8
SOL 9	1403	269	032	4.8	GPS	160 m3							START OF LINE 9
EOL 9	0133	270											
BOL 10	0158	270											
	0830												Switch to Loran
	0845												Switch to GPS
	0946	270	212	4.6	GPS	160 m3							CHANGE REC. DELAY TO 4 SEC
EOL 10	1058												END LINE 10
SOL 11	1128	270	032	4.2	GPS	160 m3							START LINE 11

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

AREA

TIME ZONE

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS
11	1155	270	032	4.3	GPS	160 IN³							CHANGE REC. DELAY TO 3 SEC
11	1222	—	—	—	GPS	—							STOP LINE TO WORK ON COMPRESSOR REC.
11	1350	270	032	4.4	GPS	160 IN³							RESUME LINE 11.
													CHANGE ANALOG FILTERS
	1508	270											TO 20 → 250 HZ FROM
													10 → 250 HZ (TOW NOISE?)
	2100												change delay to 4 sec
EOL 11	2250												
SOL 12	2321												
	0129	271	203	4.0	GPS	"							Change delay to 3 sec
	0803	271											CHANGE DELAY TO 4 SEC
EOL 12	0824	271											END LINE 12
SOL 13	0904		032	4.8	GPS	160 IN³							START LINE 13
	1025	271	032	4.6	GPS	160 IN³							CHANGE DELAY TO 3 SEC.
EOL 13	1813												
SOL 14	1843												
EOL 14	0235												
SOL 15	0325												
	0515	DATA GAP	NOTICED THAT TRIGGER WAS NOT WORKING LOST ~ 1/2 HR OF DATA --- ATTEMPTED TO CHANGE FILE										
	~0550		ONCE TRIGGER WAS BACK ON ---- HOPE WE ARE NOT OVERWRITING OTHER DATA (TAPE 7)										
15	-0600	272	032	4.1	GPS	160 IN³							SWITCH TO TAPE 8
	0629		TRYING TO GET WINDOW OPEN --- SHUT DOWN DATA LOGGER										
15	0650	272	032	4.1									BACK ON LINE
15	0914	272	032	4.2	GPS	160 IN³							CHANGE DELAY TO 3 SEC
EOL 15	1128	272	032	4.1	GPS	160 IN³							END LINE 15
SOL 16	1204	272	213	4.1	GPS	160 IN³							START LINE 16

SHIP/CRUISE NO./LEG Cape Hatteras CH 12/92 AREA Blake Ridge

CHIEF SCIENTIST Dillon/Schwab TIME ZONE

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
16	1922	212/1992											change delay to 4s
EOL16	1942				haul gun to	float in shallower (lost its floats)							
SOL 17	2236		033										IGNORE FIRST DIGITAL
	0416		033		MAY BE HAVING SOME STREAMER PROBS. (2ND CHANNEL)								FILE WITH LINE 17 IN HEADER
													- STREAMER WASN'T PLUGGED
			↓										IN.
	0418		033	4.5	CHECKING ON	STREAMER PROB. (NOISE ON CANNEL 2)							CHANGE DELAY TO 4SEC
	0444		033	3.0									SLOW TO ~3 KNOTS
EOL17	0649	273	033	3.0	MAY HAVE BEEN MISSING SHOTS FOR LAST 30 MIN							??TRIGGER PROBLEM	END LINE 17
SOL18	0726	273	213	3.7									START LINE 18
	0740	273	213	4.8									INCREASE SPEED (GUN UNDER SHIP)
	0925	273	212	5.0	GPS	160 IN³ A/G							CHANGE DELAY TO 3SEC
EOL18	1335												
SOL19	1435												
EOL19	1844												response on channel 2 is weak
SOL20	1846												
EOL20	0200	274											
SOL21	0200												
EOL21	0838												END LINE 21
SOL22	0916	~~273~~ 274	033	4.0	GPS	160 in3							START LINE 22
EOL22	1058	274/1992											STOP LINE 22 - EARL
		HOVE TO											
SOL22	1547	275 JD											RESTART
	1554												at planned start point
	near 1730				apparent minor faults below BSR. Faults appear to be associated w. reduced gas blanking above BSR.								below BSR, but increased - gas steps here???
EOL22	0100	276 JD											

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

AREA

TIME ZONE

LINE (START / END)	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. (START / END)	DATA ROLL# (START / END)	MAGNETICS	COMMENTS
SOL23	0125	276 JD			GPS	160 cu in Ag							START LINE 23
	0317												NOTICED THE GUNS STOPPED FIRING -- RESET
EOL23	1125	276			GPS	160 in3							END LINE 23
SOL24	1636	276	47	2.0	GPS	SIDESCAN							LOWERING FISH
	1758	276											stop lowering
EOL	2245												increase speed, begin turn
SOL25	2333												
EOL25	0630												
SOL26	0945	277											
EOL26	1445												start turn
SOL27	1625												fish descending
EOL27	1957												end line, start tests