Geophysics Log

85022sei

ASTR 85-10

KNEBEL/CIRCÉ

1042

U.S.G.S.
GEOPHYSICS
LOG

SHIP Asterias

CRUISE NO. 85-10

DATE July 1985

CHIEF SCIENTIST Knebel / Circé

DEL. BAY

SHIP/CRUISE NO./LEG AST 85-10

CHIEF SCIENTIST KNEBEL

LINE START / END	TIME EDT	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
BOL 1	0936	850709	050	4.5	LORAN C	11 NI BOOM / SS (KLEIN)
					SS ON 100 m RANGE	
EOL 1	1123					
BOL 1A	1139					
EOL 1A	1139					
BOL 1B						
EOL 1B	1236					
		SWITCHED	TO	INNER SPACE	HYDROPHONE	
BOL 2			PULLED	IN	BENTHOS	
EOL 2						
BOL						
BOL 3	1405	85/07/09	142			
		BENTHOS	HYDROPHONE			

AREA DELAWARE BAY

TIME ZONE EDT

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS LORAN STATIONS
14		3000/300	1			270 RPM X & Y

SHIP/CRUISE NO./LEG AST 85-10

CHIEF SCIENTIST KNEBEL

LINE START/END	TIME EDT	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
BOL 4	0727	07/10/85		4.5	LORAN C	dniboom / KLEIN
					100 m range on SS	
EOL 4	1220					
BOL 5	1221					
	1332 EDT		COURSE CHG HDG 195			
			SAME LINE			
	1337	EDT	EOL 5		Due to weather	
	7-11-85					
BOL#6	0802	ALL	SYSTEMS		SAME	
EOL#6	1234					
BOL#7	1317			4.5		
EOL#7	1645					

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
1/4 sec	sweep					EPC 3200
			new belt on EPC			
						100 m/ range KLEIN
	pulled fish up - shallow water					
						END OF ANALOG TAPE
						2 @ 1307 EDT 7/10/85
						BEGIN ANALOG TAPE 3
						@ 1313 EDT 7/10/85
	BAD STORM					
						excellent weather

SHIP/CRUISE NO./LEG Ast 85-10

CHIEF SCIENTIST Knebel / Circé

LINE START / END	TIME EDT	YYMMDD	CRS/HDG	SPD KTS	NAVIGATION	SEISMIC SYSTEM
~~Bol 8~~	0848	~~8507 12~~		~9.5	Loran C	Uniboom - 280 joules
Bol 8		7/12/85				
		[illegible]				
	0948	temporarily stop line 8 to run around shoals				
	1038	resume line #8				
EOL #8	1247					
Bol 9	1247					
EOL 9	1329					
Bol 10	1329					
10	1508	manuvering around shoal				
EOL 10	1607					
Bol 11	0937	7/13/85			Loran C	
EOL 11	1042					
	1139	"			INC EPC	DELI
Bol 12	1105					
	1133	SS FISH ON DECK - Tail fin broke				
					hit bottom	
[illegible]	1204	Fish back in				
EOL 12	1301					
Bol 13	1326					
	1455	Manuvering around shoal				
EOL 13	1607					

AREA Delaware BAY

TIME ZONE EDT

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
~~1/4~~	1/4sec swep	300-3000Hz				Delaware Bay
						100m Range on Klein
						UNIBOOM & Geopulse
						300-3000Hz 1/4sec swep
						100m Range Klein

SHIP/CRUISE NO./LEG Ast 85-10

CHIEF SCIENTIST Knebel / Circé

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION X & Y STATIONS	SEISMIC SYSTEM
BOL 14	0945	850714	342 RPM	4.5	LORAN C	Uniboom & Klein SS
EOL 14						
BOL 14A	1023					
EOL 14A	1316					
~~134~~						
~~134~~						
BOL 15	1341					
	1534	c/c	to avoid		Brandywine	Shoal
EOL 15	1658					
		850715				
BOL 16	0754		340 RPM			
EOL 16	1115					
BOL 17	1145					
	1300	SS	records deteriorating		due to sea	.
			state - 3-5 ft seas			
EOL 17	1416					

AREA Delaware Bay

TIME ZONE EDT

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
1/4 sec		300-3000 Hz				100m RANGE on Klein
	ABORTED	LINE	14	- wrong TD'S		
Restart - new		line	14A			
						choppy seas lost 2-2½ hrs
All	systems	remain	@	same	set	

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
		850718	315	4.5	LORAN C	UNIBOOM
BOL 18	0820					
EOL 18	1123					
BOL 19	1149					
	1209	c/c	- shoals			
EOL 19	1435					
	1445	LOST LORAN C				
		850717				
BOL 20	0755					
EOL 20	0855					
		850718				
BOL 21	0714					
EOL 21	0939					
BOL 22	1002					
	1107	LORAN OUT - use DIR. Position on track chart				
EOL 22	1227					

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
14		300-3000				VER-1 ROUGH

ROUGH SEAS

ABORTED line & entire day due to sea state