83.
#81010

GENERAL INFORMATION

SHIP: R/V GYRE 81-G-7-1 (LEG I)

AREA OF OPERATION: Intraslope Basins, Carancahua, Gyre, Orca and MIssissippi Delta

DATES OF OPERATION: 5/1/81 to 5/ 9/81 Leg I

PERSONNEL:

Co-Chief Scientist - Jack Kindinger, USGS-CC
Co-Chief Scientist - Ann Martin " "
Chuck Stelting " "
Cyndi Rice " "
Neal Lillard " "
George Harrison " "
Ron Circe " "
Martha Van de Van de Werken USGS-CC
Jim Ray " "
John Benton " "
Larry Poppe, USGS-Woods Hole
Ray Hall " "
Barry Irwin " "
Hal Olsen, Engineering Branch, Denver
Beecher, Wooding, Woods Hole Institute

PURPOSE: Collection of box and piston cores from three intraslope basins and from an area of the Mississippi Delta. The purpose of the samples is for analyses of geochemicals, textural and geotechnical parameters.

MAJOR EQUIPMENT: Box Core, Piston Core, 3.5 KHZ, 12 KHZ

NAVIGATION: Integrated System, Loran C

DATA ACQUIRED:
11 Box cores
10 Piston Cores
1 Dredge
24 Drift Bottles Deployed

FORM APPROVED: OMB NO. 41-R2765 - EXPIRES : 12-31-79

FORM 24-23 (6)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE
NATIONAL OCEANOGRAPHIC DATA CENTER

A00 DATA CENTER

A40 REFERENCE NUMBER

OCEANOGRAPHY - GENERAL CRUISE INVENTORY
(ROSCOP - II)

A01 EXPEDITION/PROJECT: Deep Sea Basins

A11 CRUISE NUMBER OR NAME: G 81-G-7

A02 SHIP OR PLATFORM: R/V Gyre

A12 PLATFORM TYPE: 01

A03 COUNTRY: USA

A04 ORGANIZATION: U.S. Geological Survey

A05 CHIEF SCIENTIST(S): Jack Kindinger and Ann Martin

	YES	NO	PART
A91 Declared national program?		X	
A81 Exchange restricted?		X	
A92 Co-operative program?		X	
A82 Co-ordinated internationally?		X	

A72 NAME

A62 BY WHOM?

A06 NAME AND ADDRESSES OF ORGANIZATIONS AND PERSONS WHOM TO QUERY

A1 Jack Kindinger & Ann Martin
B1 or Chuck Stelting
C1 P.O. Box 6732
D1 Corpus Christi, TX 78411
E1

FINAL DISPOSITION OF DATA

A2
B2
C2
D2
E2

DATE	DAY	MONTH	YEAR
A07 FROM	01	05	81
A17 TO	09	05	81

A08 GENERAL OCEAN AREAS: 26

A09 TYPE(S) OF MARINE ZONE(S): 99, 03 INTRASLOPE BASINS

GEOGRAPHIC AREA
If all data were collected at a fixed station, fill in the co-ordinates

A10 LATITUDE ° ' " N/S

A20 LONGITUDE ° ' " E/W

A15 FEDERAL SUPPORT: U.S. GEOLOGICAL SURVEY

A25 REMARKS

Collected:
1. 11 Box cores
2. 10 piston cores
3. 1 Dredge
4. 12 KHZ
5. 3.5 KHZ
6. 24 Drift Bottles

DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°	DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°
A G01 B						A B					
A G04 B						A B					
A G23 B						A B					
A G25 B						A B					
A D07 B						A B					
A B						A B					
A B						A B					

NO. OF HEADERS / PARAMETERS SURVEYED

National Oceanic and Atmospheric Administration

MARINE GEOPHYSICAL DATA DOCUMENTATION CODING FORM

G – GEOLOGY GEOPHYSICS

GL MEASUREMENTS MADE AT A SPECIFIC LOCATION	NUMBER	i	l	FORMAT
G01 Dredge	1			
G02 Grab				
G03 Core rock *(no. of cores)*				
G04 Core–soft bottom *(no. of cores)*	21			
G05 Sampling by divers				
G06 Sampling by submersible				
G07 Drilling				
G08 Bottom photography				
G09 Sea floor temperature *(≤ 1 m from bottom)*				
G10 Accoustical properties of the sea floor				
G11 Engineering properties of the sea floor				
G12 Magnetic properties of the sea floor				
G13 Gravimetric properties of the sea floor				
G14 Radioactivity measurements				
G70 Other measurements				

GU MEASUREMENTS UNDERWAY				
G21 Motion picture of sea floor *(No. of nautical miles)*				
G22 Bathymetry-wide beam *(no. of nautical miles)*				
G23 Bathymetry-narrow beam *(no. of nautical miles)*	10			
G24 Side scan sonor *(no. of nautical miles)*				
G25 Seismic reflection *(no. of nautical miles)*	50			
G26 Seismic refraction *(no. of nautical miles)*				
G27 Gravimetry				
G28 Magnetism				
G29 Other measurements				

G – GEOLOGY GEOPHYSICS *(Continued)*

GS TYPES OF STUDIES	NUMBER	i	l	
G31 Physical analysis of sediments				
G32 Chemical analysis of sediments				
G33 Paleothermy				
G34 Paleomagnetism and rock magnetism				
G35 Paleontology				
G36 Geothermy				
G37 Geochronology				
G38 Mineral and fossil resources				
G39 Litteral zone studies				
G90 Other measurements				

D – DYNAMICS

D01 Current meters *(no. of stat.)*				
D02 Current meters *(Average duration of measurement days)*				
D03 Currents measured from ship drift				
D04 GEK				
D05 Drifters *(number)*				
D06 Swallow floats *(number)*				
D07 Drift cards *(no. released)*	24			
D08 Bottom drifters *(no. released)*				
D09 Tidal observation *(duration)*				
D10 Sea and swell *(no. of observations)*				
D90 Other measurements				

M – METEOROLOGY

M01 Upper air observations				
M02 Incident radiation				
M03 Air–sea interface studies				
M04 Ice observations				
M05 Occasional standard measurements				
M06 Systematic standard measurements				
M90 Other measurements				