CRUISE REPORT

SHIP UTILIZATION DATA

8104

UNOLS
REV. 11/7

SHIP NAME R/V GYRE	OPERATING INST.	
CRUISE (LEG) NO. 81-G-8	DATES MAY 25-31, 1981	
AREA OF OPERATIONS: FROM TAMPA, FLA. SO. AROUND FLA. KEYS AND ALONG THE U.S. E. COAST ALONG THE GULF STREAM AROUND CAPE COD, MA. TO BOOTH BAY, ME.	PORT CALLS: PLACE / DATES	NONE
DAYS AT SEA 7	DAYS IN PORT —	

PARTICIPATING PERSONNEL

CODE	NAME	TITLE	AFFILIATION
1.	ROBERT BOWLES	PROJ. CH.	USGS
2.	BARRY IRWIN	GEOPHYSICIST	"
3.	JIM DODD	ELEC. ENG.	"
4.	ROBERT DOUTHART	E.T.	"
5.	WAYNE HOOVER	MATH SPEC.	"
6.	JIM McCULLOUGH	RESEARCH SPEC.	WOODS HOLE INST.

WAS RESEARCH CONDUCTED IN FOREIGN WATERS? No COUNTRY: 7, 8, 14 ON REVERSE SIDE.

PRIMARY PROJECTS (those which govern the principal operations, area and movements of the ship)

PROJECT TITLE AND PRINCIPAL INVESTIGATOR	SPONSORING ACTIVITY	GRANT OR CONTRACT NUMBER	PARTICIPATING PERSONNEL (AS CODED ABOVE)
LORAN-C NAVIGATION TEST JIM McCULLOUGH	USGS	—	1, 2, 3, 4, 5, 6, 7, 8

ANCILLARY PROJECTS (which are accomplished on a not-to-interfere basis and contribute to the overall effectiveness of the cruise)

PROJECT TITLE AND PRINCIPAL INVESTIGATOR	SPONSORING ACTIVITY	GRANT OR CONTRACT NUMBER	PARTICIPATING PERSONNEL (AS CODED ABOVE)
GRAVITY ROBERT BOWLES	USGS	—	1, 2, 3, 4, 6

SIGNATURE R. M. BOWLES DATE Oct 7, '81
CHIEF SCIENTIST

(Continue personnel and project listings on reverse if additional space needed)

ATTACH PAGE SIZE CRUISE TRACK

COST ALLOCATION DATA

DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO
7	USGS	—

SIGNATURE _____ DATE _____
Institution Official

PARTICIPATING PERSONNEL CON'T.

7	ANDREW ELIASON	NAV SPEC.	PRIVATE CONSULTANT
8	JACK LIGON	R+D ENGINEER	US COAST GUARD
9.	KEN CHAPMAN	ENGINEER	INTERNAV, INC.