

CRUISE REPORT

SHIP UTILIZATION DATA

UNOLS
REV. 11/78

SHIP NAME R/V OCEANUS	OPERATING INST. W.H.O.I.	PARTICIPATING PERSONNEL			
CRUISE (LEG) NO. 81	DATES 23 May - 1 June 1980	<u>CODE</u>	<u>NAME</u>	<u>TITLE</u>	<u>AFFILIATION</u>
AREA OF OPERATIONS: North Atlantic Ocean (Woods Hole-Woods Hole)	PORT CALLS: <u>PLACE</u>	<u>DATES</u>	1.Dr. Bradford Butman	Oceanographer	U.S.G.S.
			2.Dr. Michael Bothner	Geologist	"
DAYS AT SEA 10	DAYS IN PORT 0		3.Ms. Marlene Noble	Physicist	"
			4.Mr. David C. Twichell	Geologist	"
			5.Mr. Frank Musialowski	Geologist	"

WAS RESEARCH CONDUCTED IN FOREIGN WATERS? No COUNTRY: _____

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)
"U.S.G.S. Sediment Dynamics" Dr. Bradford Butman	U.S.G.S.	14-08-0001-18920	1-10

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)
SEE ATTACHED			

SIGNATURE *Bradford Butman* DATE 8/11/80
 CHIEF SCIENTIST - Bradford Butman

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

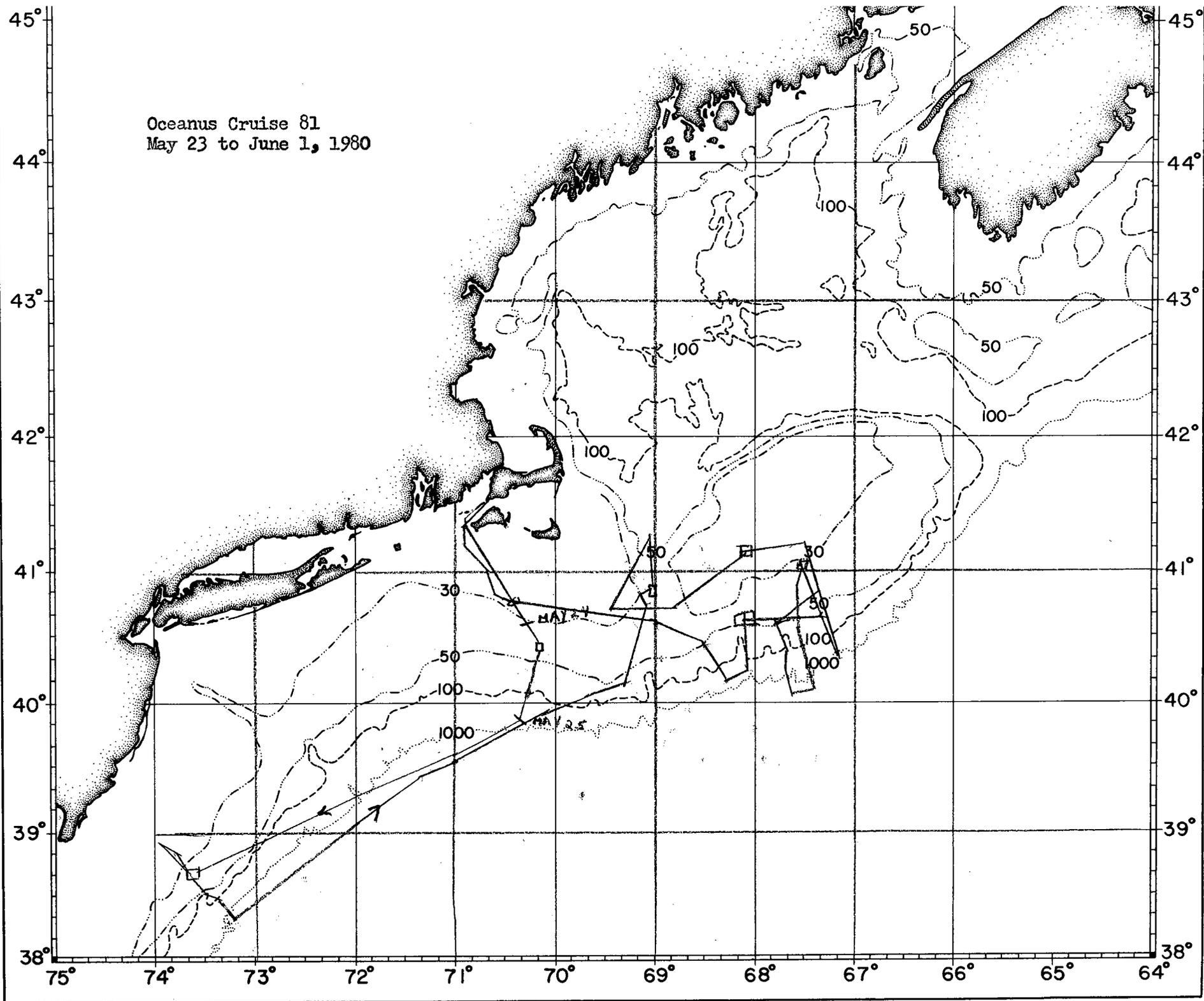
ATTACH PAGE SIZE CRUISE TRACK

COST ALLOCATION DATA		
DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO.
10	U.S. Geological Survey	14-08-0001-18920
SIGNATURE <u><i>R.P. Dinsmore</i></u>		DATE <u>8/20/80</u>
Institution Official <u><i>R. P. Dinsmore</i></u>		

6.	Mr. Gerald V. McCarthy	Engineer	U.S.G.S.
7.	Mr. John C. Larson	Electronic Tech.	"
8.	Mr. Richard R. Rendigs	Geologist	"
9.	Ms. Carol M. Parmenter	"	"
10.	Ms. Cynthia Bryden	Physical Science Tech.	"
11.	Dr. J. Frederick Grassle	Associate Scientist	W.H.O.I.
12.	Ms. Linda S. Morse-Porteous	Research Assistant	"

ANCILLARY PROJECTS

"Ecology of Deep-Sea Benthos: Community Structure, Spatial Pattern and the Role of Disturbance" Dr. J. Frederick Grassle	NSF	OCE78-19820	11,12
"Community Structure and Small-Scale Distribution of Benthic Organism in the Galapagos Rift Area" Dr. J. Frederick Grassle and Dr. Howard L. Sanders	NSF	OCE78-10459	12
"A Nantucket Shoals Flux Experiment"	NSF	OCE78-19513	11,12
"Quantitative Studies on Three Benthic Communities in Experi- mental Ecosystems: The Effects of the Benthic Component on the Chemistry and Biology of Whole Ecosystems" Dr. J. Frederick Grassle	EPA	P.O. Order No.43379 (Univ. of Rhode Island)	11,12



WOODS HOLE OCEANOGRAPHIC INSTITUTION

WOODS HOLE, MASSACHUSETTS 02543

16 May 1980

Phone (617) 548-1400
TWX 710-346-6601

Captain Paul C. Howland
Research Vessel OCEANUS
Woods Hole, Massachusetts

Dear Captain Howland:

On or about 23 May 1980, your vessel being ready for sea and weather permitting, you will depart Woods Hole, Massachusetts on Voyage #81. This cruise will be for the United States Geological Survey.

The purpose of the cruise is to recover and deploy current meter moorings and tripods on the Continental Shelf south of Georges Bank and off the New Jersey coast. Five tripod and four current meters will be recovered the three tripod and three current meter moorings will be deployed. The mooring sites are: 40°-30'N, 70°-12'W; 38°-44'N, 78°30'W; 40°-30'N, 69°-09'W; 40°-51'N, 69°-01'W; 41°-04'N, 67°-34'W; 40°-51'N, 67°-24'W. Surface marker buoys will be replaced as necessary. Other scientific activities will include box core, surface grab sample, and CTD stations, a bathymetric survey of Lydonia Canyon, a side-scan survey in an area of sandwaves on Georges Bank and XBT's.

The scientific personnel on this curise, under the direction of Dr. Bradford Butman, Chief Scientist, are: (Except as noted all personnel are from U.S. Geological Survey.)

Voyage #81
Woods Hole - Woods Hole
23 May - 1 June

Dr. Bradford Butman, Chief Scientist
Dr. Michael Bothner
Ms. Marlene Noble
Mr. David Twitchell
Mr. Frank Musialowski
Mr. Gerald McCarthy

Mr. John Larson
Mr. Richard Rendigs
Ms. Carol Parmenter
Ms. Cynthia Bryden
Dr. J. Fredrick Grassle, W.H.O.I.
Ms. Linda S. Morse-Porteous, W.H.O.I.

Please advise the Port Office of all personnel changes prior to departure and maintain twice daily schedules with KXC713 or via satellite on assigned frequencies, and submit to the Port Office at radio contact on Mondays and Thursdays a situation report from Master and Chief Scientist.

Please advise the Controller's Office of all significant expenses incurred, particularly the quantity, price and source of fuel oil. This information may be sent via the Port Office during routine radio contact.

I wish you a pleasant and successful voyage.

Yours very truly,

Arthur S. Edwards

Bradford Butman
Bradford Butman
Chief Scientist

Paul C. Howland
Paul C. Howland
Captain

R.S. Edwards
R.S. Edwards
Marine Superintendent

OCEANUS

