

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. 56		DATES 6 Mar-15 Mar 1979		CODE	NAME	TITLE	AFFILIATION
AREA OF OPERATIONS: North Atlantic Ocean (Woods Hole - Woods Hole)		PORT CALLS:		1.	Dr. Bradford Butman	Oceanographer	U.S.G.S.
		PLACE	DATES	2.	Ms. Cynthia G. Bryden	Phys. Science Tech.	"
DAYS AT SEA	DAYS IN PORT			3.	Mr. Nicholas Lefteriou	Elec. Tech.	"
10	0			4.	Ms. Marlene A. Noble	Physicist	"
				5.	Ms. Stephanie L. Pfirman	Oceanographer	"

(6-15 Mar 79) 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.	14-08-0001-15615	1 - 12

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)
"A Nantucket Shoals Flux Experiment" Dr. Robert C. Beardsley and Mr. John A. Vermersch, Jr.	NSF	OCE-7819513	

SIGNATURE Bradford Butman DATE 4/23/79
CHIEF SCIENTIST - Bradford Butman

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

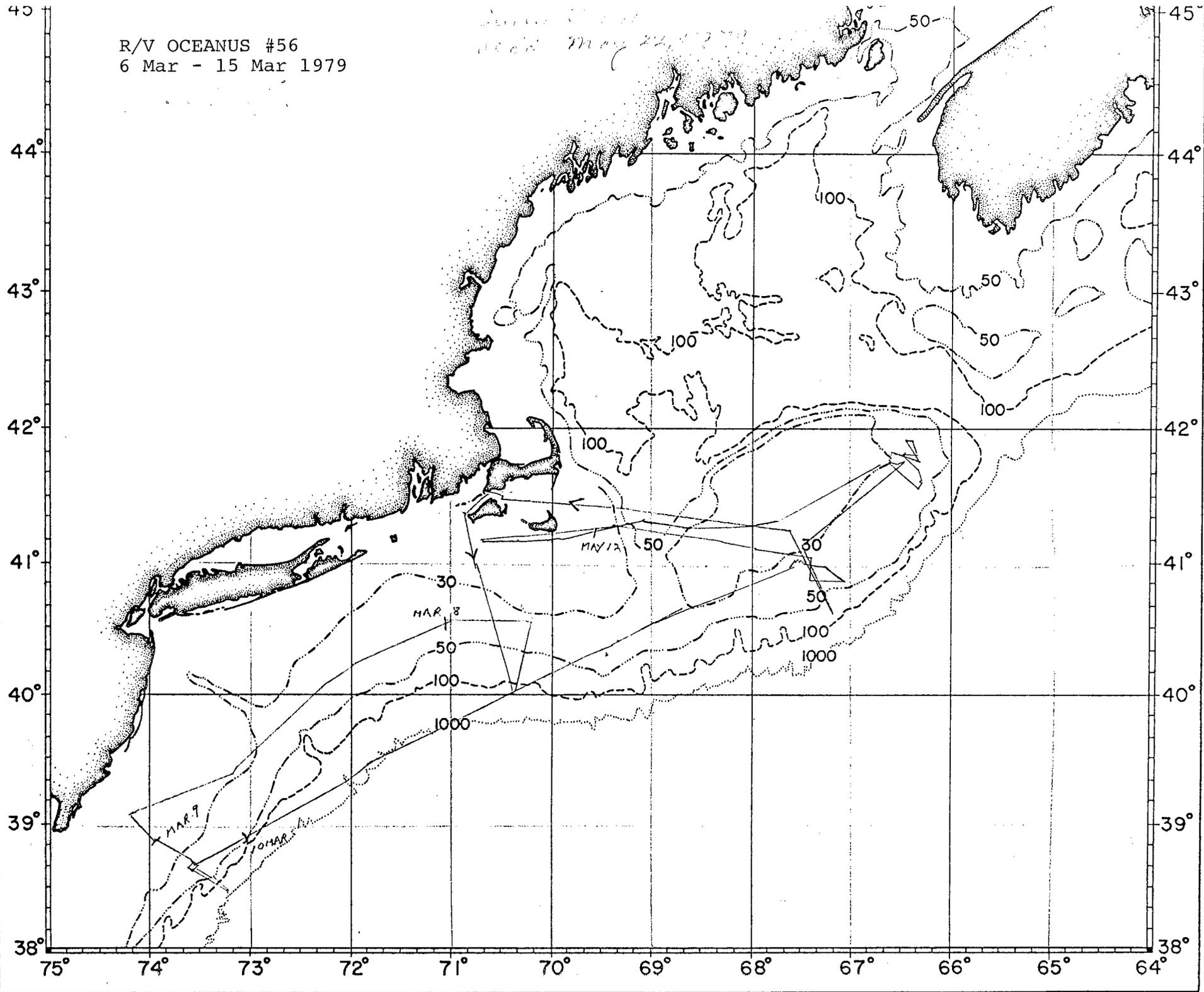
ATTACH PAGE SIZE CRUISE TRACK

COST ALLOCATION DATA		
DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO.
10	U.S. Geological Survey	14-08-0001-15615
SIGNATURE <u>R. P. Dinsmore</u>		DATE <u>4/20/79</u>
Institution Official - R. P. Dinsmore		

6.	Mr. Richard R. Rendigs	Geologist	U.S.G.S.
7.	Ms. Mary E. Shoukimas	Computer Specialist	"
8.	Mr. Charles E. Stelting	Physical Science Tech.	"
9.	Mr. David C. Twichell	Geologist	"
10.	Mr. John C. West	Electronic Tech.	"
11.	Mr. Andrew H. Eliason	Engineer	Eliason Data Service
12.	Mr. Allen T. Hemberger	Geologic Field Asst.	U.S.G.S.

R/V OCEANUS #56
6 Mar - 15 Mar 1979

*Survey of the
area May 21, 1979*



WOODS HOLE OCEANOGRAPHIC INSTITUTION

WOODS HOLE, MASSACHUSETTS 02543

27 February 1979

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

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

Dear Captain Howland:

On or about 6 March 1979, your vessel being ready for sea and weather permitting, you will depart Woods Hole, Mass., on Voyage #56 for the United States Geological Survey. The purpose of this cruise is part of a continuing study of currents and sediment transport on the United States East Coast Continental Shelf. The major objectives are:

1. To deploy and recover several current meter and tripod moorings.
2. To conduct side-scan survey of selected areas to determine bed-form characteristics.
3. To conduct hydrographic observations (XBT and CTD).
4. To deploy and recover marker buoys at mooring locations as required.

The scientific personnel on the cruise, under the direction of Dr. Bradford Butman, U.S. Geological Survey, Chief Scientist, are:

Voyage #56
Woods Hole - Woods Hole
6 March - 13 March

Dr. Bradford Butman, Chief Scientist	Ms. Mary E. Shoukimas
Ms. Cynthia Bryden	Mr. Charles Stelting
Mr. Nicholas Lefteriou	Mr. David Twichell
Ms. Marlene Noble	Mr. John West
Ms. Stephanie Pfirman	Mr. Andrew Eliason, Eliason Data Services
Mr. Richard Rendigs	Mr. Eiji Imamura, Bureau of Land Management
	<i>Mr. Allen Hemberger</i>

Except as noted, all scientific personnel are employees of the U.S. Geological Survey.

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

I wish you a pleasant and successful voyage.

Yours very truly,

Arthur E. Howell

Bradford Butman

Bradford Butman
Chief Scientist

Paul C. Howland

Paul C. Howland
Captain

R.S. Edwards

R.S. Edwards
Marine Superintendent

OCEANUS

From	To	Distance (n.mi.)
Woods Hole	Cape Hatteras	144
Cape Hatteras	33 15 N, 73 48 W	147
33 15 N, 73 48 W (Cape Hatteras - Cape Lookout Section)	34 38 N, 75 35 W	122
34 38 N, 75 35 W	32 43 N, 78 14 W	177
32 43 N, 78 14 W (Cape Romain Section)	31 20 N, 76 31 W	120
31 20 N, 76 31 W	29 53 N, 78 20 W	127
29 53 N, 78 20 W (St. Augustine Section)	29 53 N, 80 14 W	100
29 53 N, 80 14 W	26 41 N, 79 56 W	191
in Straits of Florida off Palm Beach		25
Straits of Florida	Woods Hole	1000
	Total	2453

175 hrs. steaming at 14 k

377 hrs. of work

The midwater trawls noted on the chartlet are each to take about six hours (in the water). There is a reasonable amount of cushion in this schedule.

