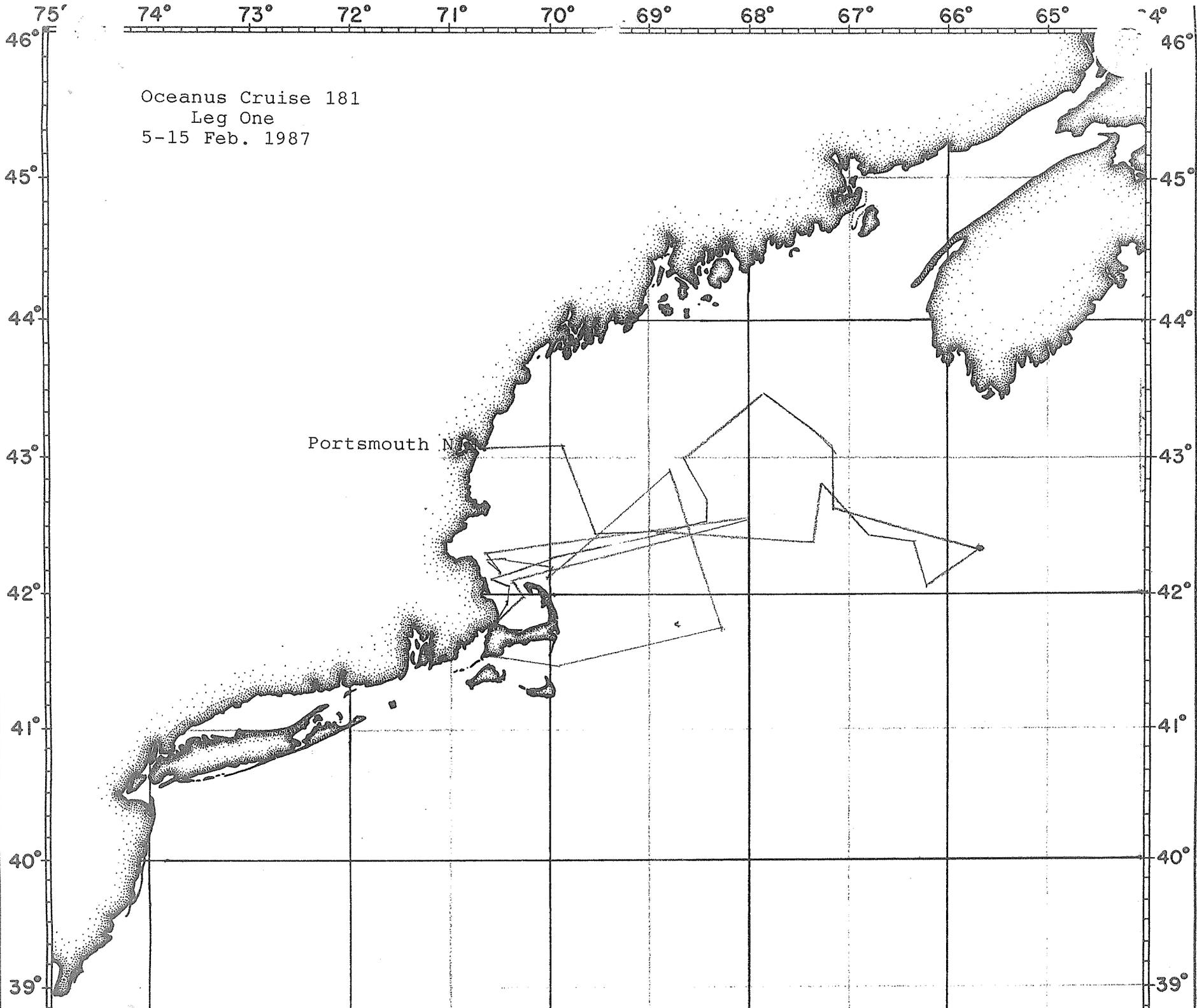


Cruise Data

87005

**Ship:** OCEANUS**Cruise:** 181-1**Departure Date:** 2/5/1987**Departure Port:** Woods Hole MA**Arrival Date:** 2/15/1987**Arrival Port:** Portsmouth NH**Scientist 1:** B. Butman**Affiliation:** US Geological Survey**Scientist 2:****Affiliation:****Scientist 3:****Affiliation:****Sponsor:** US Geological Survey/National Science Foundation/Department of Energy**Major Subject:** Currents/Physical Oceanography/Geology/Engineering**Subject 1:** Hydrography**Subject 2:** Sediment**Notes:** Sediment transportation processes**Major Area:** ATNW**Area 1:** Gulf Of Maine/Georges Bank**Area 2:****Project:**

87005



Oceanus Cruise 181  
Leg One  
5-15 Feb. 1987

Portsmouth N.H.

RESEARCH VESSEL OCEANUSVOYAGE NO. 181-1AT SEA DATES - From: 2-5-87To: 2-15-87

## PARTICIPATING SCIENTISTS

N -  
A A  
T L  
I I  
O T  
N YPORT  
Woods HolePORT  
Portsmouth, N. H.TITLE at HOME ORGANIZATION  
or Woods Hole Assigned Title  
(Scientist/Administrator  
Professor/Grad Student  
Research Tech/Lab Asst.  
Guest Invest./Observer)AFFILIATION  
(Laboratory/Company  
Government/Military  
University)Name (in full)  
Rank (Dr./Mr./Ms.)

Date On Vessel

Date Off Vessel

Name (in full) Rank (Dr./Mr./Ms.)	N - A A T L I I O T N Y	PORT Woods Hole	PORT Portsmouth, N. H.	TITLE at HOME ORGANIZATION or Woods Hole Assigned Title (Scientist/Administrator Professor/Grad Student Research Tech/Lab Asst. Guest Invest./Observer)	AFFILIATION (Laboratory/Company Government/Military University)
Dr. Pradford Putman	U.S.A.	2-5-87	2-15-87	Ch. Scientist, Oceanographer	U.S.G.S.
Mr. John Moody	"	"	"	Oceanographer	U.S.G.S.
Mr. William Strahle	"	"	"	Electrical Eng.	"
Mr. Richard Rendigs	"	"	"	Oceanographer	"
Ms. Maryann Shoukimas	"	"	"	Data Specialist	"
Dr. Wendell Brown	"	"	"	Prof. of Oceanography	U.N.H.
Ms. Karen Garrison	"	"	"	Research Asst.	"
Mr. Daniel Howard	"	"	"	Research Asst.	"
Mr. Charles Flagg	"	"	"	Oceanographer	Brookhaven Nat. Lab.
Mr. William Behrens	"	"	"	Research Asst.	" " "
Mr. Andrew Eliason	"	"	"	Consultant	Eliason Data Ser.
Mr. Dana Wiese	"	"	Remain on board	Research Asst.	W.H.O.I.

P. Howland, Master

R/V OCEANUS *P. Howland*

# CRUISE REPORT

SHIP UTILIZATION DATA

UNOLS  
Rev. 1

SHIP NAME OCEANUS	OPERATING INST. W.H.O.I.	PARTICIPATING PERSONNEL	
CRUISE (LEG) NO. 181 Leg I	DATES 2/5/87-2/15/87	CODE	NAME
AREA OF OPERATIONS:  Georges Bank Gulf of Maine	PORT CALLS:	TITLE	AFFILIATION
	PLACE	DATES	
	Woods Hole, MA	2/5/87	1. Dr. Bradford Butman -Chief Scientist
	Portsmouth, NH	2/15/87	2. Mr. John Moody
DAYS AT SEA 11	DAYS IN PORT 0		3. Mr. William Strahle
			4. Mr. Richard Rendigs
Use Page 2 If Additional Space Required.			

WAS RESEARCH CONDUCTED IN FOREIGN WATERS? ~~NO~~ Yes COUNTRY: Canada

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)
Boston Harbor Project -B. Butman	U.S.G.S.	9470-04132	1-5
Evolution of the Density Field of the Gulf of Maine - Irish, J.	NSF	OCE 85-17274	6 7-8,
DISCIPLINE Geology & Geophysics			

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)
Field Testing of a Bottom Mounted Acoustic Doppler Profiler (Flagg)	DOE	DEAC 0276CH 00016	9, 10
Marine Technician (Moller)	NSF	OCE 87-16350	12

SIGNATURE *Bradford Butman* DATE 6/25/87  
 CHIEF SCIENTIST

TOTAL SCIENTISTS 5 TOTAL TECHNICIANS 4  
 TOTAL GRAD STUDENTS      TOTAL STUDENTS/OBSERVERS 3

COST ALLOCATION DATA		
DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO.
11 <i>AM</i>	NSF (1 USGS through NSF)	OCE-8316601

ATTACH PAGE SIZE CRUISE TRACK

SIGNATURE *George Spier* DATE July 2, 1987

CRUISE REPORT (Continued)

Page

R/V OCEANUS  
 Cruise No. 181 (I)

PARTICIPATING PERSONNEL (Cont.)

<u>CODE</u>	<u>NAME</u>	<u>TITLE</u>	<u>AFFILIATION</u>
5.	Ms. Maryann Shoukimas	Data Specialist	U.S. Geological Survey
6.	Dr. Wendell Brown	Professor of Oceanography	University of New Hampshire
7.	Ms. Karen Garrison	Research Assistant	University of New Hampshire
8.	Mr. Daniel Howard	Research Assistant	University of New Hampshire
9.	Mr. Charles Flagg	Oceanographer	Brookhaven National Laboratory
10.	Mr. William Behrens	Research Assistant	Brookhaven National Laboratory
11.	Mr. Andrew Eliason	Consultant	Eliason Data Services
12.	Mr. Dana Wiese	Research Assistant	Woods Hole Oceanographic Institution
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