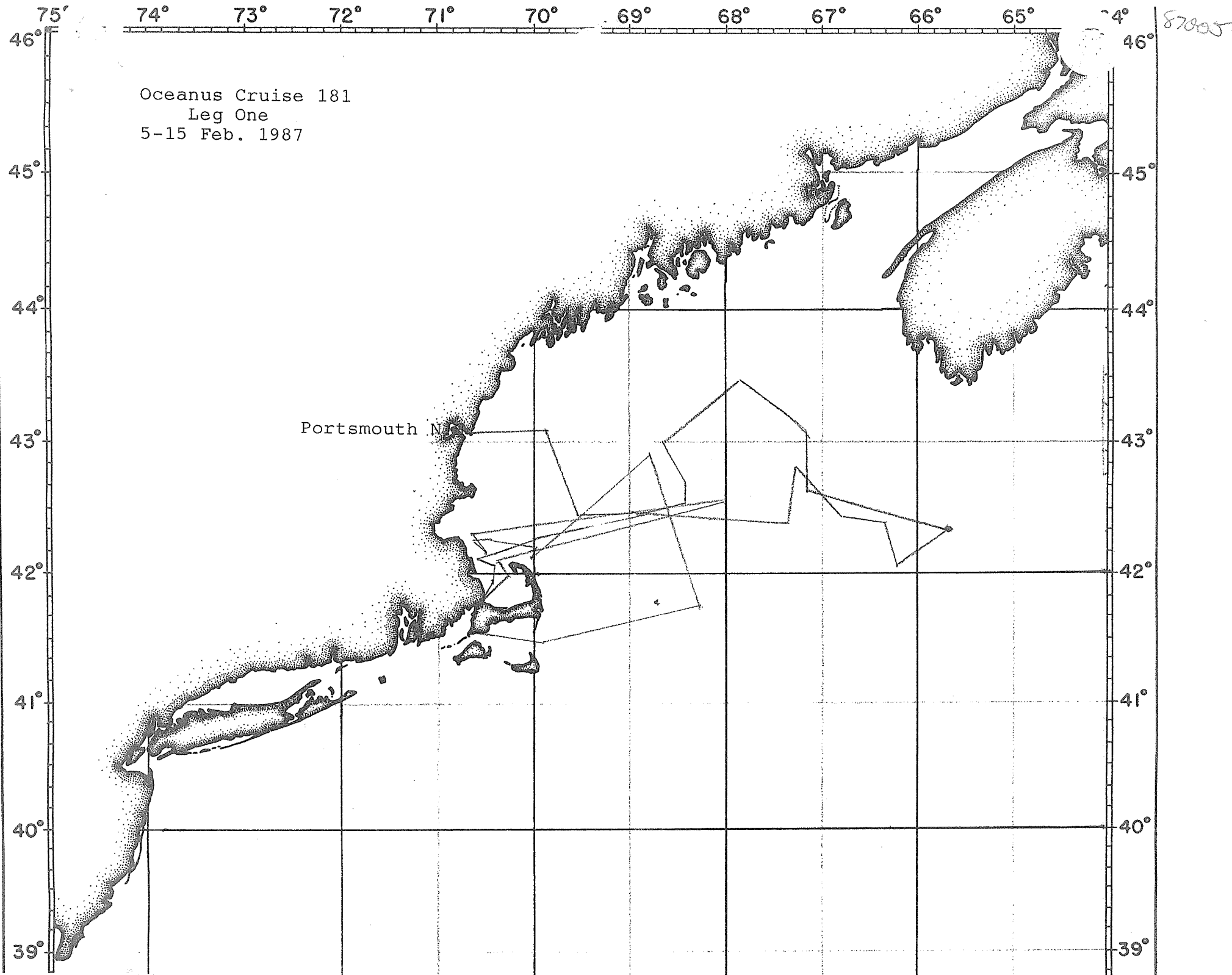


Cruise Data

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:**



RESEARCH VESSEL OCEANUS

VOYAGE NO. 181-1

AT SEA DATES - From: 2-5-87

To: 2-15-87

PARTICIPATING SCIENTISTS

N A T I O N - A L I T Y

PORT

PORT

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.)

Woods Hole Portsmouth, N.

Date On Vessel

Date Off Vessel

[illegible]

CRUISE REPORT

SHIP UTIL. ION DATA

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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	TITLE	AFFILIATION
AREA OF OPERATIONS:		PORT CALLS:		1. Dr. Bradford Butman Oceanographer U.S.G.S.			
Georges Bank		PLACE	DATES	-Chief Scientist			
Gulf of Maine		Woods Hole, MA	2/5/87	2. Mr. John Moody Oceanographer U.S.G.S.			
		Portsmouth, NH	2/15/87	3. Mr. William Strahle Elect. Engineer U.S.G.S.			
DAYS AT SEA 11				4. Mr. Richard Rendigs Oceanographer U.S.G.S.			
DAYS IN PORT 0				Use Page 2 If Additional Space Required.			

WAS RESEARCH CONDUCTED IN FOREIGN WATERS? ~~xxx~~ 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

CHIEF SCIENTIST

DATE 6/25/87

TOTAL SCIENTISTS 5

TOTAL TECHNICIANS 4

TOTAL GRAD STUDENTS

TOTAL STUDENTS/OBSERVERS 3

ATTACH PAGE SIZE CRUISE TRACK

COST ALLOCATION DATA

DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO.
11 (1 USGS through NSF)	NSF	OCE-8316601

SIGNATURE

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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