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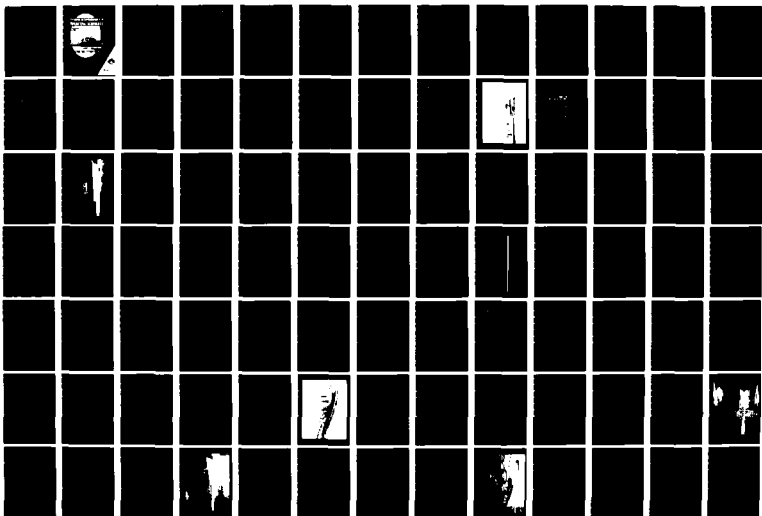
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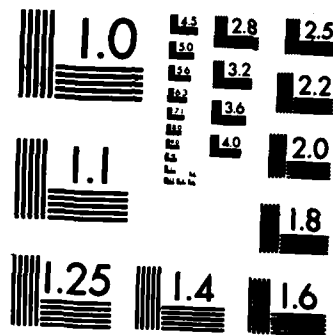
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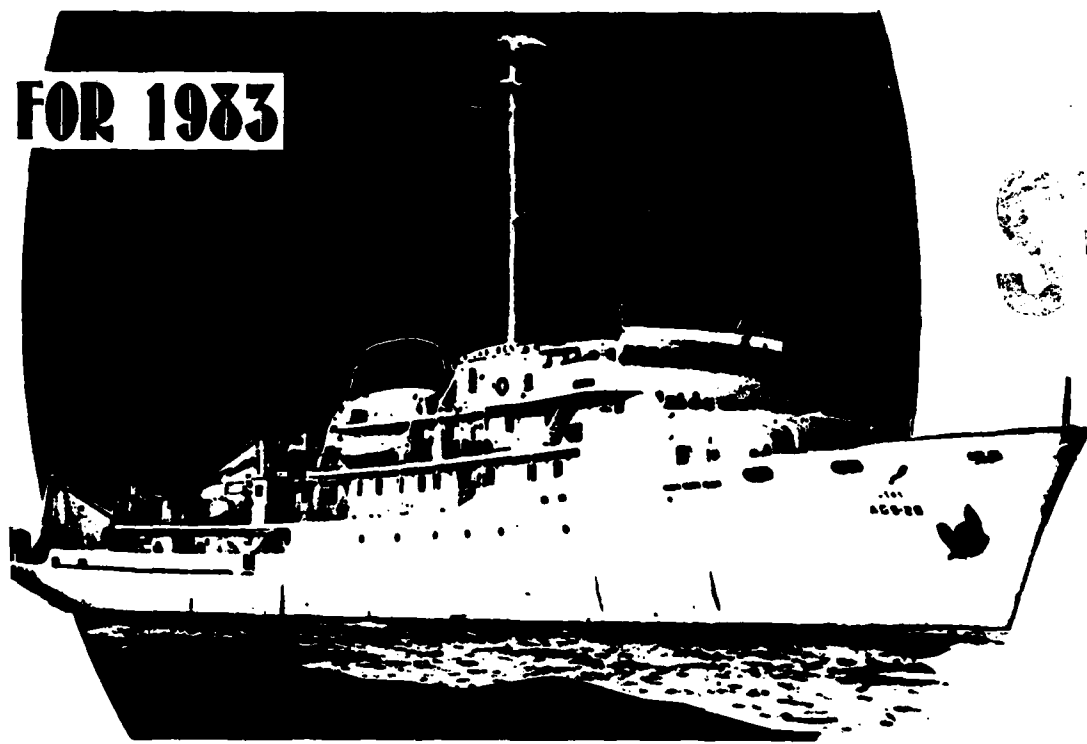
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RP-34 (83)

NATIONAL OCEANOGRAPHIC FLEET OPERATING SCHEDULES

FOR 1983

ADA 125943



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PREPARED BY
COMMANDING OFFICER,
NAVAL OCEANOGRAPHIC OFFICE
NSTL STATION, BAY ST. LOUIS, MS 39522

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY COMMAND
NSTL STATION, BAY ST. LOUIS, MS 39529

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FOREWORD

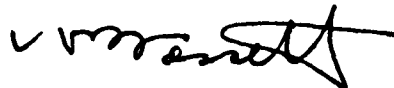
The Naval Oceanographic Office (NAVOCEANO) is pleased to begin publishing the annual operating schedules for the national oceanographic fleet with this 1983 edition. Distribution is made to those individuals and activities involved in planning, scheduling and coordinating U. S. oceanographic ship operations.

As ship operating expenses increase, efficiency of operations becomes a key ingredient for an effective national oceanographic program. To this end, every effort must be made to maximize the use of existing oceanographic platforms by "piggybacking" projects, exchanging oceanographic data and coordinating schedules. This publication serves as one means of assisting sponsoring activities and user organizations in effective management of national oceanographic assets.

In light of this effort and recognizing that many ocean capable vessels specifically configured for oceanographic research and hydrographic surveying exist in the private sector (representing a definite national asset), this edition includes some schedules of vessels operated by commercial concerns. An invitation is extended to other commercial concerns who operate specifically configured, deep-ocean capable, oceanographic or hydrographic vessels to include their schedules in future editions.

This publication has been principally developed from the latest data contained in NAVOCEANO's computerized Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS). The RVRS was established to provide a centralized source of information on ship characteristics, latest schedules, last known positions and points of contact for the ship operators. Participation in this reference system by ship operators, potential users and by activities otherwise concerned with oceanographic ship operations is invited. For the latest information on schedule changes or modifications of vessel capabilities and related questions, please address correspondence to Commanding Officer, Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123.

The Commander, Naval Oceanography Command remains the Navy point of contact for ship operations which involve the use of undersea sonic emitters, dragged devices or explosive charges. Because of the inherent danger from such operations to submarines, all non-Navy ship operators are required to provide at least two weeks advance notice so that survey areas may be cleared. Please address correspondence on this matter to Commander, Naval Oceanography Command (Attention: N321), NSTL Station, Bay St. Louis, MS 39529 or call Commercial (601) 688-5007/Autovon 485-5007/FTS 494-5007.



C. H. BASSETT

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- G. A. ROUNSEFELL
- GULF RESEARCHER
- HOBART & WILLIAM SMITH EXPLORER
- LAURENTIAN
- LINWOOD HOLTON
- MEDUSA
- NEESKAY
- NORTH STAR
- ONRUST
- ORION
- PANULIRUS II
- RETRIEVER
- SUNCOASTER
- TURSIOPS
- UCONN
- VANTUNA

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INTRODUCTION

This publication presents the 1983 operating schedules for the national oceanographic fleet. Schedules are provided for 70 ships which operate under various academic, governmental or commercial organizations. Included along with each ship schedule is information on ship characteristics, engineering/deck equipment and a point of contact. For convenience, quarterly ship operational summaries are provided which allow the user to quickly determine which ships are operating in a particular ocean area of interest during a particular time frame.

The information presented in this publication was principally derived from the latest data contained in the computer-based Research Vehicle Reference Service (RVRS), a subset of the Oceanographic Management Information System (OMIS) which is resident at the Naval Oceanographic Office.

RESEARCH VEHICLE REFERENCE SYSTEM OVERVIEW

In 1978, OMIS was initiated at the Naval Oceanographic Office to provide essential information on oceanographic activities within Navy. The first areas considered for automation were oceanographic research and survey vessels which led to the RVRS subset.

The RVRS was at first envisioned to provide information on only Federally funded and operated vessels. However, with the limited number of platforms available to conduct oceanographic projects and increasing operating costs, the inclusion into RVRS of as many ships as possible was considered essential. Principal users were thought to be those involved in assessing the national fleet's capabilities or in determining the availability of a ship for a future cruise requirement. In this regard, the latest ship locations and desired ship missions were necessary.

Concentration has been placed on identifying and incorporating oceanographic ships over 65 feet in length. Physical characteristics are tabulated in RVRS by recognizing approximately 100 different factors and are categorized by deck/engineering equipment, dimensions, administrative details, points-of-contact for the physical plant and the routine on-board electronics suite. The purpose is to give a comprehensive description of a ship's physical capabilities for planning purposes. A point-of-contact is included for direct inquiry regarding a particular platform.

Each ship's operating schedule is maintained in the system. Original schedules for each year, as well as schedule changes, are forwarded to the OMIS staff from appropriate sources. Port-to-port cruise information is subsequently displayed (as shown in the following schedules in this publication) with the cruise objective, program, principal scientist, sponsoring organization and projected days at sea. Also, the date of update and the operating area are indicated. The smaller oceanographic vessels that make cruises of relatively short duration and distance from home port usually have a general statement reflecting their operations in lieu of daily schedules. Schedules which have "open" periods (e.g., time which has not been obligated to a particular project, transit or repair) are signified so that they can be collectively sorted and analyzed.

Current mission, status, location and time are updated daily into RVRS for most of the larger vessels in the Federal fleet. Course and speed are included when available. Information is obtained from synoptic weather and bathythermograph observation messages, by phone or is entered directly by the shore-based ship operators.

RESEARCH VEHICLE REFERENCE SYSTEM USAGE

RVRS has grown in both content and user participation. Eighteen organizations currently have remote terminal access to the data base.

There are a number of small, inexpensive remote computer terminals available today which can be used to interface RVRS through a standard desk telephone. The terminal must be the dial-up, asynchronous type and be teletype compatible. A 300 baud line capability is required along with a standard RS232 interface configuration.

RVRS was developed to simplify user access to the retrieval program; the operator selects the desired information from a basic question set which includes information on ship schedules within a certain ocean area or within a specific time span, ships in an area based on last reported position, points-of-contact and physical characteristics.

Special requirements for information may require analysis of the RVRS data base in a manner different from the standard questions. For example, the question "Identify all ships over 150 feet in length which have satellite navigation capability" would require an input from an RVRS Subject Matter Specialist. To receive this special support, address correspondence to the Commanding Officer, U. S. Naval Oceanographic Office (Attention: OMIS Staff), NSTL Station, Bay St. Louis, MS 39522 or call Commercial (601) 688-5123/Autovon 485-5123/FTS 494-5123. In addition to answering standard queries from those who do not have a remote terminal available, the RVRS Subject Matter Specialist is also a source for the Research Vehicle Reference Service User's Guide to the interactive data retrieval program.

JANUARY - MARCH 1983
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA		*					
ALBATROSS IV				*			
ALPHA HELIX		*					
ANTFLOPF				*			
ATLANTIS II				*			
BLUE FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE MENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*			
DAVID STARR JORDAN		*					
DAVIDSON		*					
DELAWARE II				*			
DISCOVERER		*					
ELLEN B. SCHIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER				*			
FERREL				*			
FRED H. MOORE				*			
GYRE				*			
HECK				*			
HERO			*			*	
HOB		*					
IDA GREEN				*			
JOHN N. COBB		*					
JOHNSON				*			
KANA KECKI	*	*					*
KNORR				*		*	
LONGHORN				*			
MARTHUR		*					
MELVILLE		*	*				
MILLER FREEMAN		*					
MOANA WAVE		*					
MT. MITCHELL				*			
MURRE II		*					
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*		*	
ONAR		*					
OREGON II				*			
PEIRCE				*			
RAINIER		*					
RESFACHER		*	*	*			
RIDGELY WARFIELD				*			
ROBERT D. CONRAD				*		*	
RUFF				*			
SFA DIVER				*			
SURVEYOR		*					
THOMAS G. THOMPSON		*					
THOMAS WASHINGTON		*	*				
TOWNSEN CROMWELL		*					
USCGC EVERGREEN				*			
USNS BARTLETT				*			
USNS CHAUVENET	*						*
USNS DE STEIGUER		*					
USNS HARKNESS				*			
USNS HAYES				*			
USNS KANE				*			
USNS LYNCH				*			
USNS SAMUEL P. LEF		*					
USNS SILAS PENT		*					
USNS WILKES				*		*	
VELERO IV		*					
WECOMA		*	*				
WESTWARD				*			
WHITING				*			

APRIL - JUNE 1987
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA		*		*			
ALBATROSS IV							
ALPHA MELIX	*	*					
ANTELOPE				*			
ATLANTIS II				*			
BLUF FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE MENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*	*		
DAVID STARK JORDAN							
DAVIDSON		*					
DELAWARE II				*			
DISCOVERER		*					
ELLEN B. SCRIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER		*					
FERPEL				*			
FRED H. MOORE				*			
GYRE				*			
HECK				*			
HERO			*				
HOM		*					
IDA GREEN				*			
JOHN N. COBB		*					
JOHNSON				*			
KANA KEOKI	*	*					
KNORR				*			
LONGHORN				*			
MCCARTHER		*					
MELVILLE		*	*				
MILLER FREEMAN		*					
MOANA WAVE		*					
MT. MITCHELL				*			
MURPE II				*			
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*	*		
OMAP		*					
OREGON II				*			
PEIPCE				*			
RAIVIER		*					
RESEARCHER		*	*				
RIDGELEY WARFIELD				*			
ROBERT W. CONRAD				*			
RUDE				*			
SEA DIVER				*			
SURVEYOR				*			
THOMAS G. THOMPSON		*					
THOMAS WASHINGTON		*	*				
TOWSEND CROWWELL		*					
USCGC EVERGREEN				*			
USNS BARTLETT				*			
USNS CHAUVERET	*						*
USNS DE STEIGUER		*					
USNS HARKNESS				*			
USNS HAYES				*			
USNS KANE				*			
USNS LYACH				*			
USNS SAMUEL P. LEE		*					
USNS SILAS HENT		*					
USNS WILKES					*		
VELERO IV		*					
WECOMA		*					
WESTWARD				*			
WHITING				*			

JULY - SEPTEMBER 1967
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA		*					
ALBATROSS IV				*			
ALPHA HELIX		*					
ANTELOPE				*			
ATLANTIS II		*		*			
BLUE FIN				*			
CALANUS				*			
CAPE FLOPIL				*			
CAPE HATTERAS				*			
CAPE MENLOPEN				*			
CAYUSE		*					
CHAPMAN		*					
COLUMBUS ISELIN				*	*		
DAVID STARR JORDAN							
DAVIDSON							
DELAWARE II				*			
DISCOVERER							
ELLEN B. SCRIPPS		*					
ENDEAVOR				*			
ERLINE				*			
FAIRWEATHER				*			
FERREL				*			
FRED H. MOORE		*	*	*			
GYRE				*			
HECK				*			
HERO				*			
HOH		*					
IDA SPEER				*			
JOHN K. COBE		*					
JOHNSON				*			
KANA KECKI		*	*				
KNORR				*	*		*
LONGHORN				*			
MCCARTHY							
MELVILLE		*					
MILLEP FREEMAN							
MOANA WAVE		*					
MT. MITCHELL				*			
MURPE II							
NEW HORIZON		*					
OCEANOGRAPHER		*					
OCEANUS				*			
ONAR		*					
OREGON II				*			
PEIRCE				*			
RAINFIER							
RESEARCHER		*		*			
RIDGELEY WARFIELD				*			
ROBERT D. CONRAD				*			
RUDF				*			
SFA DIVER				*			
SURVEYOR							
THOMAS C. THOMPSON		*					
THOMAS WASHINGTON		*					
TOWNSHIP CRONWELL							
USCGC EVERGREEN				*			
USNS BARTLETT				*			
USNS CHAUVENET	*						*
USNS DE STEIGUTZ		*					
USNS HARKNESS							
USNS HAYES				*			
USNS KANE				*			
USNS LYNCH				*	*		
USNS SAMUEL F. LEE		*					
USNS SILAS BENT		*			*		
USNS WILKES							
VELERO IV		*					
WECOMA		*					
WESTWARD				*			
WHITING				*			

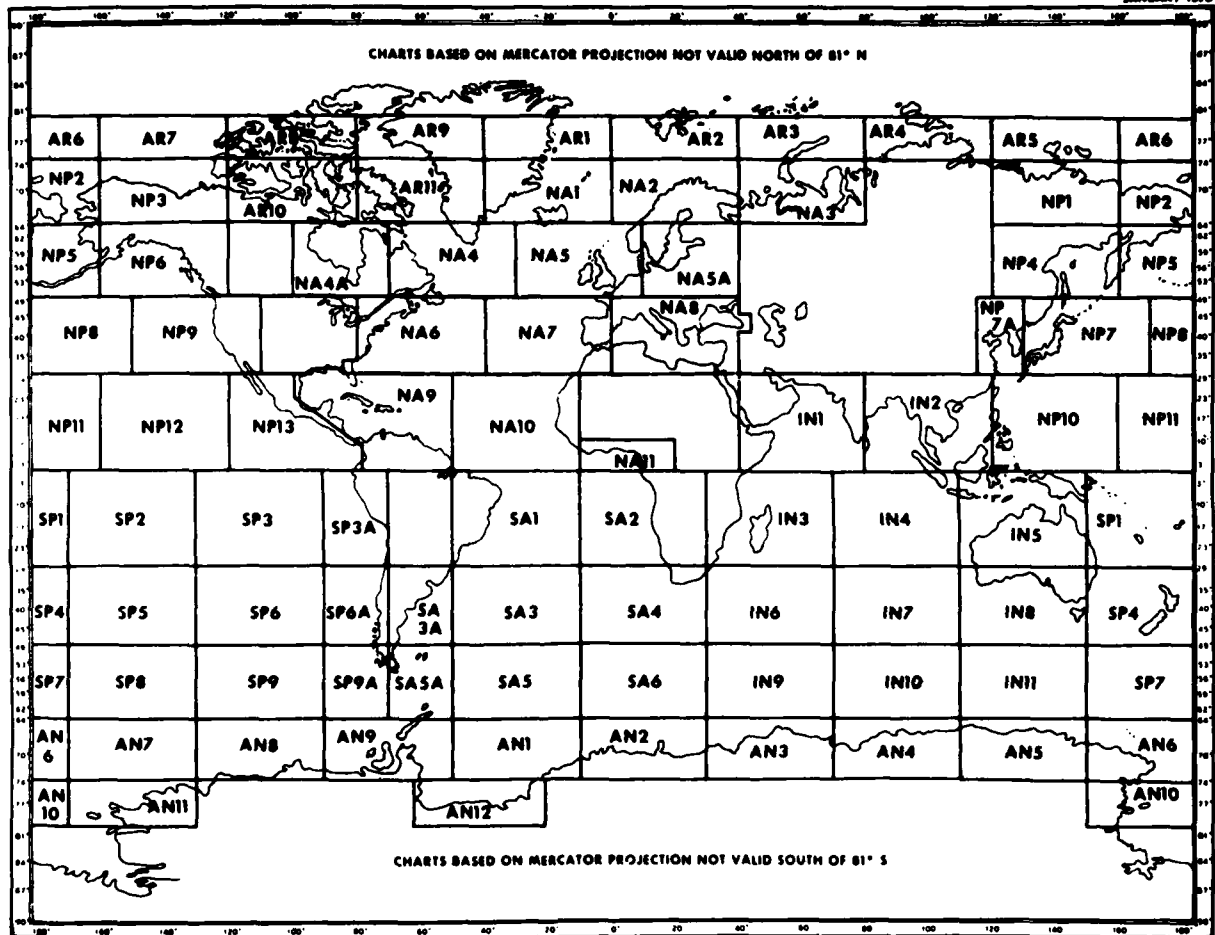
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OCTOBER - DECEMBER 1983
AREAS OF OPERATION

	NO. WEST PACIFIC	NO. EAST PACIFIC	SOUTH PACIFIC	NORTH ATLANT.	SOUTH ATLANT.	MEDITER. SEA	INDIAN OCEAN
ACANIA							
ALBATROSS IV							
ALPHA HELIX		*					
ANTELOPE				*			
ATLANTIS II		*					
BLUF FIN				*			
CALANUS				*			
CAPE FLORIDA				*			
CAPE HATTERAS				*			
CAPE HENLOPEN				*			
CAYUSE		*					
CHAPMAN							
COLUMBUS ISELIN							
DAVID STARR JORDAN							
DAVIDSON							
DELAWARE II							
DISCOVERER							
ELLEN B. SCRIPPS							
ENDFAVOR	*		*	*			
ERLINE							
FAIRWEATHER							
FERREL							
FRED H. MOORE				*			
GYRE				*			
HECK							
HERO			*			*	
HOB	*						
ITA GREEN				*			
JOHN V. COBB	*						
JOHNSON	*			*			
KANA KEOKI	*		*				
KNOX						*	*
LONGHORN				*			
MCAPTHUR							
MELVILLE			*			*	
MILLER FREEMAN							
MOANA WAVE	*						
MT. MITCHELL							
MURPE II							
NEW HORIZON	*						
OCEANOGRAPHER	*						
OCEANUS				*			
ONAP	*						
OPERON II							
PEIPCE				*			
RAINIER							
RESEARCHER							
RIDGELY WAPFIELD				*			
ROBERT I. CONRAD				*		*	
RUDE							
SEA DIVER				*			
SURVEYOR							
THOMAS G. THOMPSON	*						
THOMAS WASHINGTON							
TOWNSEND CROWELL							
USCGC EVERGREEN				*			
USNS BARTLETT							
USNS CHAUVENET							
USNS DE STEIGUER							
USNS FARKNESS							
USNS HAYES				*			
USNS KANE							
USNS LYNCH							
USNS SAMUEL F. LEE	*						
USNS SILAS DECATUR							
USNS WILKES							
VELERO IV	*						
WECOM	*						
WESTWARD				*			
WHITING							

STANDARD NAVY OCEAN AREA AND REGION INDEX LIMITS

JANUARY 1979



ALPHA HELIX

POINT OF CONTACT INFORMATION

POC: MS E R "DOLLY" DIETER
 POC OFFICE: MARINE SUPERINTENDENT
 POC ORGANIZATION: INSTITUTE OF MARINE SCIENCE
 POC ADDRESS: UNIVERSITY OF ALASKA BOX 617
 POC CITY/STATE: SEWARD AK 99664
 FTS PREFIX: 907
 COMMERCIAL AREA CODE: 907
 PHONE: 224-5261

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: HELIX
 DESIGNATOR: RV
 CLASS: -
 CALL SIGN (INTERNATIONAL): KLFK
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: NATIONAL SCIENCE FOUNDATION
 CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
 FLAG REGISTRY: USA
 HOME PORT: SEWARD AK
 TECHNICAL SPONSOR: U UNIV. OF ALASKA
 OPERATIONS CONTROL: UNIV. OF ALASKA
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 5,5780 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 15
 NUMBER OFFICERS: 3
 NUMBER IN CREW: 6
 MAX SEA STATE: 3 BEAUFORT SCALE
 ENDURANCE: 30 DAY(S)
 LIMITING FACTOR: FUEL-REFRIG STORES
 BUILDER: J M MARTINAC COMPANY
 WHERE BUILT: TACOMA WA USA
 INITIAL COST: 1.3765 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: '64
 LAUNCH DATE: '65
 DELIVERY DATE: '66
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: '80
 MAINTENANCE CYCLE: 1.0 YEARS
 END OF LIFE: 1991
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 132.8 FEET
 MAX BEAM: 31.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 287
 DISPLACEMENT: 512 TONS
 DRAUGHT: 12.5 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 7200 NAUTICAL MILES
 MAX SPEED: 12.0 KNOTS
 MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	1 DIESEL
BOW THRUSTER:	YES
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	35000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	6000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	Y
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS 800B, FURANO
SOUNDING SYSTEM (DEEP):	EDO

ALPHA HELIX

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	ALEXANDER	ALASKA	
DEP: 14 FEB 83 SEWARD, AK	PRINCE WILLIAM SOUND		4
ARR: 18 FEB 83 SEWARD, AK			
AREA INDEX: NP6			
OCE 8214537	HENRICHS	NSF	
DEP: 24 MAR 83 SEWARD, AK	OCE 8214537 RESURRECTION BAY		1
ARR: 25 MAR 83 SEWARD, AK			
AREA INDEX: NP6			
OCEANOGRAPHIC RESEARCH	ALEXANDER	ALASKA	
DEP: 28 MAR 83 SEWARD, AK	RESURRECTION BAY		2
ARR: 30 MAR 83 SEWARD, AK			
AREA INDEX: NP6			
OCE 8208306	ROYER	NSF	
DEP: 02 APR 83 SEWARD, AK	OCE 8208306 SOUTHCOAST ALASKA		10
ARR: 12 APR 83 SEWARD, AK			
AREA INDEX: NP6			
OCE 8024058	NIEBAUER	NSF	
DEP: 15 APR 83 SEWARD, AK	OCE 8024058 BERING ICE EDGE		20
ARR: 05 MAY 83 DUTCH HARBOR			
AREA INDEX: NP6 NP5			
OCEANOGRAPHIC RESEARCH	MUENCH(SAI)	NSF/ONR	
DEP: 06 MAY 83 DUTCH HARBOR	MIZEX		7
ARR: 13 MAY 83 SEWARD, AK			
AREA INDEX: NP5 NP6			
OCEANOGRAPHIC RESEARCH	MCROY	NSF/DPP	
DEP: 18 MAY 83 SEWARD, AK	ISHTAR (PROPOSED)		34
ARR: 21 JUN 83 NOME, AK			
AREA INDEX: NP6 NP5 NP2			
DPP 8121722	OLIVER (MLML)	NSF/DPP	
DEP: 22 JUN 83 NOME, AK	DPP 8121722 BERING SEA		20
ARR: 12 JUL 83 DUTCH HARBOR, AK			
AREA INDEX: NP2 NP5			
DPP 8206036	HUNT(UCI)	NSF/DPP	
DEP: 13 JUL 83 DUTCH HARBOR, AK	DPP 8206036 BERING SEA		13
ARR: 26 JUL 83 DUTCH HARBOR, AK			
AREA INDEX: NP5			
OCEANOGRAPHIC RESEARCH	DUENNEBIER(HIG)	NSF	
DEP: 27 JUL 83 DUTCH HARBOR, AK	ALEUT./SCHUMAGINS (PROPOSED)		10
ARR: 06 AUG 83 SEWARD, AK			
AREA INDEX: NP5 NP6			
OCE 8208306	ROYER	NSF	

DEP: 11 AUG 83 SEWARD, AK OCE 8208306 SOUTHCOAST ALASKA 6
 ARR: 17 AUG 83 SEWARD, AK
 AREA INDEX: NP6
 OCE 8200829 FROELICH(FSU) NSF
 DEP: 23 AUG 83 SEWARD, AK OCE 8200829 BERING SEA 19
 ARR: 11 SEP 83 DUTCH HARBOR, AK
 AREA INDEX: NP6 NP5
 OCEANOGRAPHIC RESEARCH MCROY NSF/DPP
 DEP: 12 SEP 83 DUTCH HARBOR, AK ISHTAR (PROPOSED) 39
 ARR: 21 OCT 83 DUTCH HARBOR, AK
 AREA INDEX: NP5
 OCEANOGRAPHIC RESEARCH KELLEY NSF
 DEP: 22 OCT 83 DUTCH HARBOR, AK BERING/CHUKCHI (PROPOSED) 14
 ARR: 05 NOV 83 SEWARD, AK
 AREA INDEX: NP5 NP6
 OCE 8208306 ROYER NSF
 DEP: 15 NOV 83 SEWARD, AK OCE 8208306 SOUTHCOAST ALASKA 6
 ARR: 21 NOV 83 SEWARD, AK
 AREA INDEX: NP6
 OCEANOGRAPHIC RESEARCH ALEXANDER ALASKA
 DEP: 29 NOV 83 SEWARD, AK PRINCE WILLIAM SOUND 6
 ARR: 05 DEC 83 SEWARD, AK
 AREA INDEX: NP6

CAPE HENLOPEN

POINT OF CONTACT INFORMATION

POC: MR WADSWORTH OWEN
 POC OFFICE: DIRECTOR OF MARINE OPERATIONS
 POC ORGANIZATION: COLLEGE OF MARINE STUDIES
 POC ADDRESS: UNIVERSITY OF DELAWARE BOX 286
 POC CITY/STATE: LEWES DE 19958
 FTS PREFIX: 302
 COMMERCIAL AREA CODE: 302
 PHONE: 645-4320

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: CREW BOAT HULL
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-OFFSHORE
 SHIP OWNER: UNIVERSITY OF DELAWARE
 CERTIFICATION AUTHORITY: UNINSPECTED, ABS A-1
 FLAG REGISTRY: USA
 HOME PORT: LEWES DE
 TECHNICAL SPONSOR: UNIV. OF DELAWARE
 OPERATIONS CONTROL: UNIVERSITY OF DELAWARE
 CONTRACTUAL INFORMATION: AVAILABLE FOR OUTSIDE USE. CALL POINT-OF-CO
 ACT
 OPERATING COST/DAY: 3,94/83 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 12
 NUMBER OFFICERS: 2
 NUMBER IN CREW: 5
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 14 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: SWIFTSHIPS
 WHERE BUILT: MORGAN CITY, LA USA
 INITIAL COST: 1.2/75 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: -74
 LAUNCH DATE: -75
 DELIVERY DATE: -76
 COMMISSION DATE: -76
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: 1.5 YEARS
 END OF LIFE: 2001
 UPDATE OF INFORMATION: 15 DEC 82

SHIP DIMENSIONS

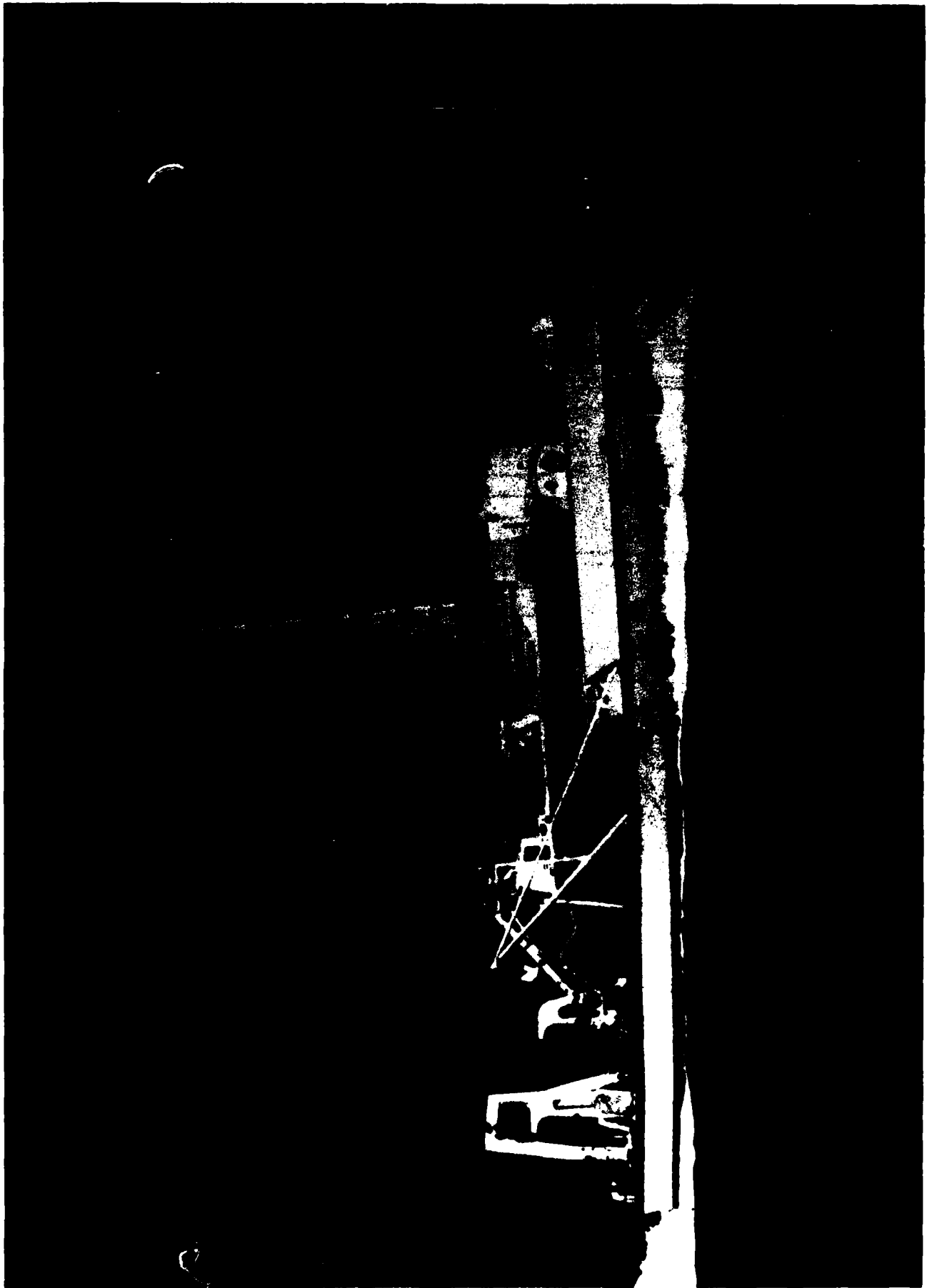
LENGTH: 120.0 FEET
 MAX BEAM: 23.3 FEET
 HEIGHT: 48.0 FEET
 GROSS TONNAGE: 228
 DISPLACEMENT: 165 TONS
 DRAUGHT: 9.3 FEET
 CRUISE SPEED: 12.5 KNOTS
 RANGE: 2368 NAUTICAL MILES
 MAX SPEED: 18.0 KNOTS
 MIN SPEED: 0.5 KNOTS

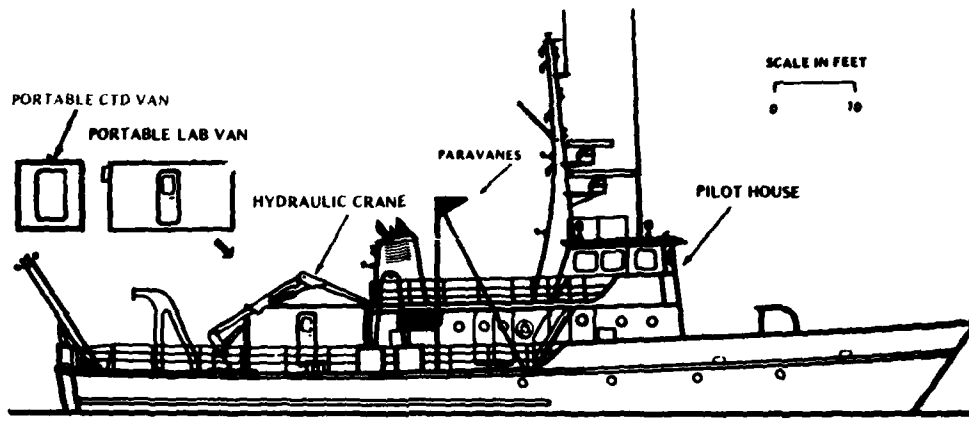
ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	Y
DEEP ANCHOR:	250 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X16
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	Y
UTILITY BOATS:	
1. 16 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	12000 POUNDS
NUMBER OF FRAMES:	4
CRANES OR BOOMS	
MAX HOIST CAPACITY:	12500 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	6
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	6560 FEET
WIRE DIAMETER:	0.219 INCHES
SECONDARY WIRE LEN:	6560 FEET
SECONDARY WIRE DIAM:	0.219 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	8200 FEET
WIRE DIAMETER:	0.500 INCHES
SECONDARY WIRE LEN:	8200 FEET
SECONDARY WIRE DIAM:	0.500 INCHES
03. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1020 FEET
WIRE DIAMETER:	0.750 INCHES

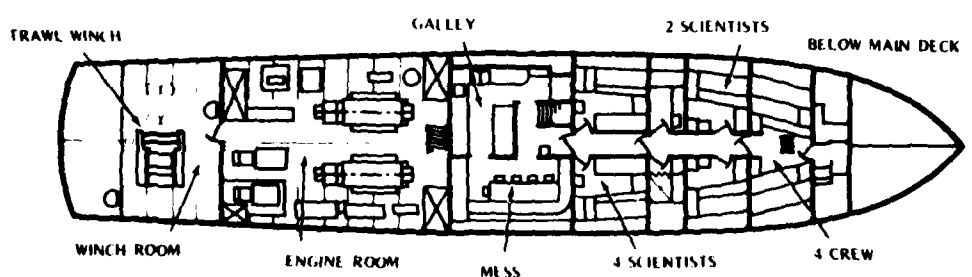
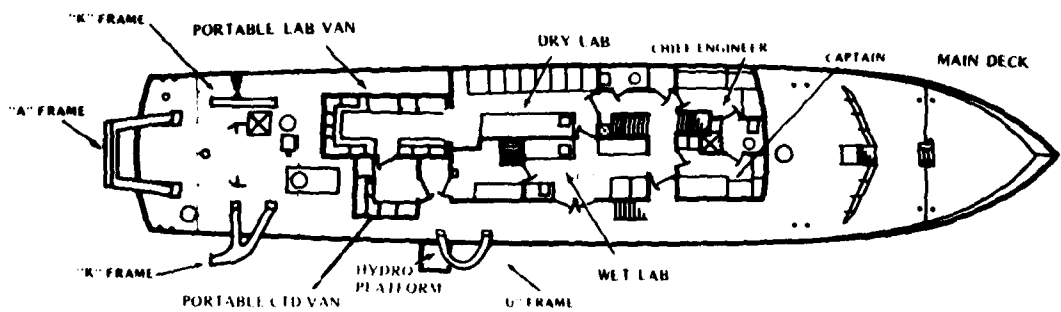
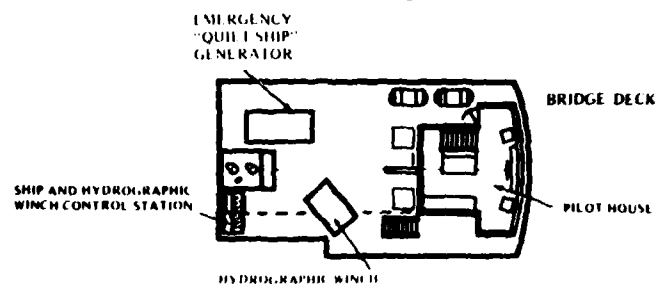
ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4052
FACSIMILE:	N
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL/BENMAR
SOUNDING SYSTEM (DEEP):	KONEL





LENGTH 120 FT



CAPE HENLOPEN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 04 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 06 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 09 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 11 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NSF/NOAA/NMFS	
DEP: 14 JAN 83 LEWES, DE	U.S. EAST COAST WATERS		16
ARR: 30 JAN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		SIPPICAN	
DEP: 13 FEB 83 LEWES, DE	U.S. EAST COAST WATERS		6
ARR: 19 FEB 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	J. SINGER	SAI	
DEP: 25 FEB 83 LEWES, DE			3
ARR: 28 FEB 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 11 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 13 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 14 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		8
ARR: 22 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	RAWSON	BLM	
DEP: 24 MAR 83 LEWES, DE	U.S. EAST COAST WATERS		7
ARR: 31 MAR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NSF/NOAA/NMFS	
DEP: 07 APR 83 LEWES, DE	U.S. EAST COAST WATERS		14
ARR: 21 APR 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NSF/NOAA	
DEP: 23 APR 83 LEWES, DE	U.S. EAST COAST WATERS		9
ARR: 02 MAY 83 LEWES, DE	OPMP		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	TYLER	NSF	

DEP: 04 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		3
ARR: 07 MAY 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CULBERSON	ONR	
DEP: 10 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		1
ARR: 11 MAY 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	NSF	
DEP: 18 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 20 MAY 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NOAA	
DEP: 22 MAY 83 LEWES, DE	U.S. EAST COAST WATERS		8
ARR: 30 MAY 83 LEWES, DE	OPMP		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	RAWSON	BLM	
DEP: 12 JUN 83 LEWES, DE	U.S. EAST COAST WATERS		7
ARR: 19 JUN 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		SIPPICAN	
DEP: 02 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		6
ARR: 08 JUL 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	WARSH	NOAA	
DEP: 11 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		8
ARR: 19 JUL 83 LEWES, DE	OPMP		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	CHURCH	NSF	
DEP: 21 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		3
ARR: 24 JUL 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	DRBA/SG	
DEP: 25 JUL 83 LEWES, DE	U.S. EAST COAST WATERS		8
ARR: 02 AUG 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	NSF	
DEP: 03 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		2
ARR: 05 AUG 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	TYLER	NSF	
DEP: 08 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		4
ARR: 12 AUG 83 LEWES, DE			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	GARVINE	NSF	
DEP: 14 AUG 83 LEWES, DE	U.S. EAST COAST WATERS		11
ARR: 25 AUG 83 LEWES, DE			
AREA INDEX: NA6			

OCEANOGRAPHIC RESEARCH	WARSH	NSF/NOAA	
DEP: 15 SEP 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 22 SEP 83 LEWES, DE	OPMP		7
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SHARP	NSF	
DEP: 02 NOV 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 05 NOV 83 LEWES, DE			3
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH		NSF/NOAA/NMFS	
DEP: 11 NOV 83 LEWES, DE	U.S. EAST COAST WATERS		
ARR: 28 NOV 83 LEWES, DE			17
AREA INDEX: NA6			

CAPE HATTERAS

POINT OF CONTACT INFORMATION

POC: MR ERIC B NELSON
 POC OFFICE: MARINE SUPERINTENDENT
 POC ORGANIZATION: DUKE UNC OCEANOGRAPHIC CONSORTIUM
 POC ADDRESS: DUKE UNIVERSITY MARINE LAB
 POC CITY/STATE: BEAUFORT, NC 28516
 FTS PREFIX: 919
 COMMERCIAL AREA CODE: 919
 PHONE: 728-2111

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: HATTERAS
 DESIGNATOR: -
 CLASS: COASTAL ZONE R/V
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH - COASTAL ZONE
 SHIP OWNER: NATIONAL SCIENCE FOUNDATION
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: BEAUFORT NC USA
 TECHNICAL SPONSOR: U DUKE UNIVERSITY
 OPERATIONS CONTROL: U DUKE UNIVERSITY
 CONTRACTUAL INFORMATION: NSF CHARTER PARTY AGREEMENT. EXPIRES 1986.
 OPERATING COST/DAY: -
 SCIENTIFIC COMPLEMENT: 12
 NUMBER OFFICERS: 5
 NUMBER IN CREW: 4
 MAX SEA STATE: 6 BEAUFORT SCALE
 ENDURANCE: 25 DAY(S)
 LIMITING FACTOR: FOOD STORES
 BUILDER: ATLANTIC MARINE INC.
 WHERE BUILT: FORT GEORGE ISLAND FL
 INITIAL COST: 6.0/81 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: 15 JUN 80
 LAUNCH DATE: -
 DELIVERY DATE: 01 AUG 81
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: - YEARS
 END OF LIFE: -
 UPDATE OF INFORMATION: 15 OCT 82

SHIP DIMENSIONS

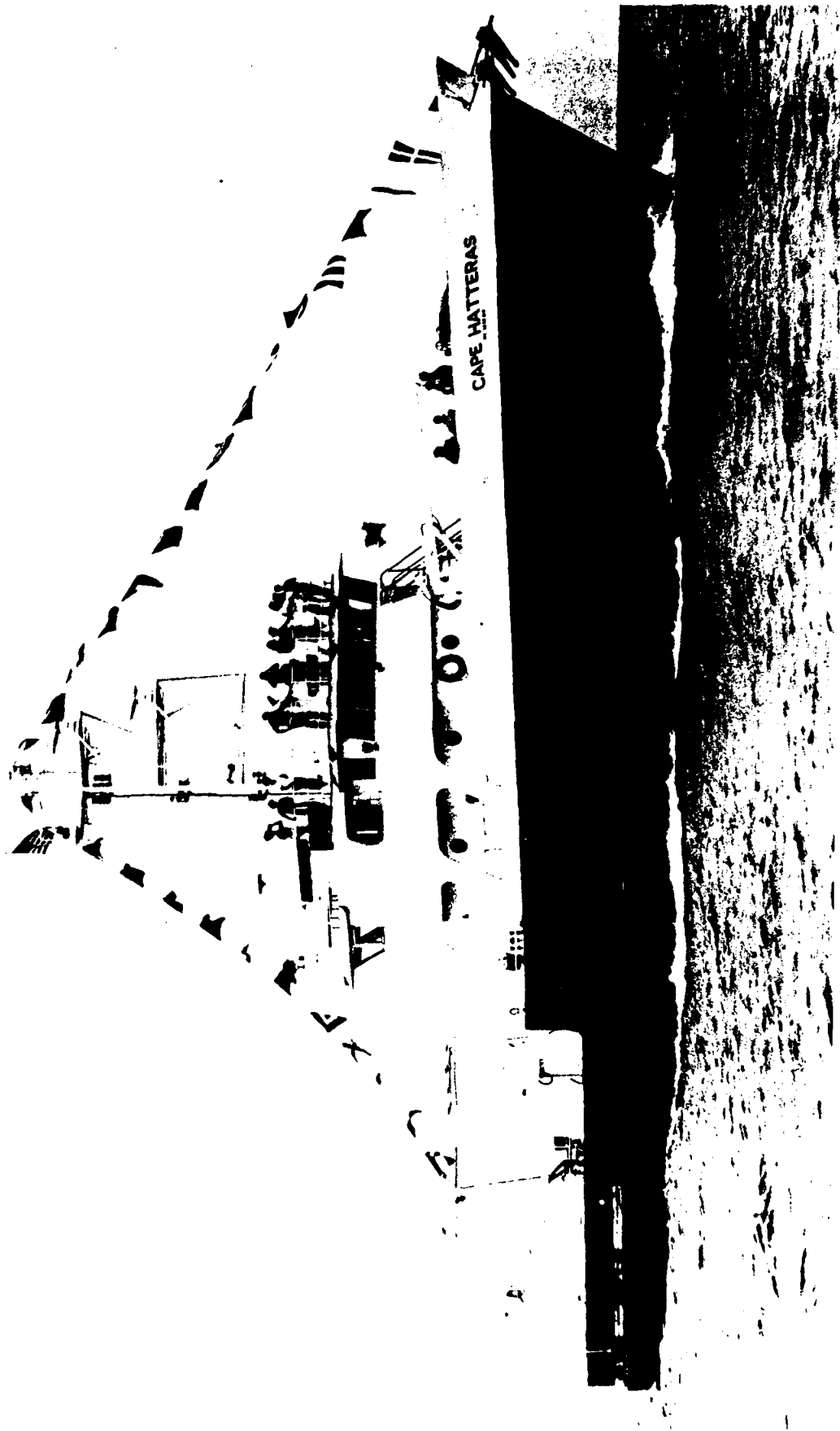
LENGTH: 135.0 FEET
 MAX BEAM: 32.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 294
 DISPLACEMENT: 539 TONS
 DRAUGHT: 9.0 FEET
 CRUISE SPEED: 11.0 KNOTS
 RANGE: 6800 NAUTICAL MILES
 MAX SPEED: 12.5 KNOTS
 MIN SPEED: 0.1 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	-
ACTIVE RUDDER:	-
DYNAMIC POSITIONING:	-
ANTI-ROLL:	-
STABILIZER:	-
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	-
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	-
1. 17 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	13200 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	8000 FEET
WIRE DIAMETER:	0.250 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	-
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	-
LORAN C:	Y
OMEGA:	-
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	Y
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	-
SOUNDING SYSTEM (DEEP):	RAYTHEON/EDO



CAPE HATTERAS

LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 18 DEC 82 BEAUFORT, NC MAINTENANCE AND PREPARATION FOR 198
ARR: 05 JAN 83 BEAUFORT, NC 19
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH A NEUMANN NSF/DUKE UNIV
DEP: 05 JAN 83 BEAUFORT, NC NORTHWEST PROVIDENCE CHANNEL-SEDIME
ARR: 19 JAN 83 BEAUFORT, NC GEOLOGICAL INVESTIGATIONS 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH D DEMASTER NSF/N.C. STATE
DEP: 23 JAN 83 BEAUFORT, NC GULF STREAM-OCEANOGRAPHIC TECHNIQUE
ARR: 27 JAN 83 WILMINGTON, NC 5
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/CAPE FEAR
DEP: 01 FEB 83 WILMINGTON, NC CONTINENTAL SHELF-OCEANOGRAPHIC STU
ARR: 16 FEB 83 WILMINGTON, NC 16
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH G PAFFENHOFER NSF/SKIDAWAY I
DEP: 21 FEB 83 WILMINGTON, NC SO. ATLANTIC BIGHT-BIOLOGICAL PROCE
ARR: 02 MAR 83 BEAUFORT, NC 10
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH R COLWELL NSF/UNIV OF MD
DEP: 14 MAR 83 BEAUFORT, NC CONTINENTAL SHELF-MICROBIOLOGICAL S
ARR: 17 MAR 83 BEAUFORT, NC 4
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH T FISHER NSF/HORN POINT
DEP: 27 MAR 83 BEAUFORT, NC CHESAPEAKE BAY-NUTRIENT INVESTIGATI
ARR: 10 APR 83 WILMINGTON, NC 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/DUKE UNIV.
DEP: 15 APR 83 WILMINGTON, NC ONSLOW BAY-OCEANOGRAPHIC TECHNIQUES
ARR: 22 APR 83 WILMINGTON, NC 8
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH S RIGGS NSF/E CAROLINA
DEP: 01 MAY 83 WILMINGTON, NC CONTINENTAL SHELF-PHOSPHATE DEPOSIT
ARR: 17 MAY 83 BEAUFORT, NC STUDIES 17
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH L POMEROY NSF/UNIV. OF G
DEP: 21 MAY 83 BEAUFORT, NC SLOPE & SHELF WATERS-PELAGIC TUNICA
ARR: 04 JUN 83 BEAUFORT, NC INVESTIGATIONS 15
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/CAPE FEAR

DEP: 09 JUN 83 BEAUFORT, NC CONTINENTAL SHELF-OCEANOGRAPHIC STU
 ARR: 30 JUN 83 BEAUFORT, NC 22
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH D SPENCER NSF/WHOI

DEP: 05 JUL 83 BEAUFORT, NC SHELF & SLOPE - CHEMICAL, BIOLOGICA
 ARR: 18 JUL 83 WOODS HOLE PHYSICAL STUDIES 14
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH J MAGNUSON NSF/UNIV OF WI

DEP: 19 JUL 83 WOODS HOLE GULF STREAM-NEKTON-ZOOPLANKTON STUD
 ARR: 01 AUG 83 BOOTHBAY 14
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH C YENTSCH NSF/RIGELOW LA

DEP: 02 AUG 83 BOOTHBAY GULF OF MAINE-BIOLOGICAL OCEANOGRAP
 ARR: 05 SEP 83 BOOTHBAY 35
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH L MURPHY NSF/BIGELOW LA

DEP: 06 SEP 83 BOOTHBAY SLOPE & SHELF-BIOLOGICAL OCEANOGRAP
 ARR: 22 SEP 83 BEAUFORT, NC 17
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH L POMEROY NSF/UNIV OF GE

DEP: 29 SEP 83 BEAUFORT, NC SLOPE & SHELF WATERS-PELAGIC TUNICA
 ARR: 14 OCT 83 BEAUFORT, NC INVESTIGATIONS 16
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH T FISHER NSF/HORN POINT

DEP: 18 OCT 83 BEAUFORT, NC CHESAPEAKE & DELAWARE BAYS-NUTRIENT
 ARR: 01 NOV 83 BEAUFORT, NC STUDIES 15
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E FOSS NSF/CAPE FEAR

DEP: 05 NOV 83 BEAUFORT, NC LONG BAY-OCEANOGRAPHIC TECHNIQUES
 ARR: 12 NOV 83 BEAUFORT, NC 8
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH A NEUMANN NSF/UNIV N. CA

DEP: 17 NOV 83 BEAUFORT, NC FLORIDA STRAITS - SEDIMENTARY GEOLO
 ARR: 23 NOV 83 BEAUFORT, NC INVESTIGATIONS 7
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH D DEMASTER NSF/N.C. STATE

DEP: 28 NOV 83 BEAUFORT, NC GULF STREAM-OCEANOGRAPHIC INVESTIGA
 ARR: 02 DEC 83 BEAUFORT, NC 5
 AREA INDEX: NA6

OUT OF SERVICE DUKE UNIV.

DEP: 03 DEC 83 BEAUFORT, NC MAINTENANCE & PREPARATION FOR 1984
 ARR: 31 DEC 83 BEAUFORT, NC 29
 AREA INDEX: NA6

KANA KEOKI

POINT OF CONTACT INFORMATION

POC: MR J FRISBEE CAMPBELL
 POC OFFICE: SCI COORDINATOR FOR MARINE OPER.
 POC ORGANIZATION: HAWAII INST. OF GEOPHYSICS
 POC ADDRESS: 2525 CORREA ROAD
 POC CITY/STATE: HONOLULU HI 96822
 FTS PREFIX: 808
 COMMERCIAL AREA CODE: 808
 PHONE: 948-7654

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: OFFSHORE SUPPLY
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: HAWAII INST. OF GEOPHYSICS
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: HONOLULU HI
 TECHNICAL SPONSOR: U UNIV. OF HAWAII
 OPERATIONS CONTROL: HAWAII INST. OF GEOPHYSICS
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 3,078
 SCIENTIFIC COMPLEMENT: 15
 NUMBER OFFICERS: 4
 NUMBER IN CREW: 11
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 42 DAY(S)
 LIMITING FACTOR: REFRIGERATED STORES
 BUILDER: HALTER MARINE SERVICES INC
 WHERE BUILT: NEW ORLEANS LA USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: '67
 DELIVERY DATE: '67
 COMMISSION DATE: -
 CONVERSION DATE: '70
 LAST OVERHAUL: '79
 MAINTENANCE CYCLE: 2.0 YEARS
 END OF LIFE: 1988
 UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 156.0 FEET
 MAX BEAM: 36.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 298
 DISPLACEMENT: 1080 TONS
 DRAUGHT: 11.0 FEET
 CRUISE SPEED: 11.0 KNOTS
 RANGE: 12500 NAUTICAL MILES
 MAX SPEED: 13.5 KNOTS
 MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL/JP-5
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	20X8X8
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	60000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	15000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	8
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	36000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES
02. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	43000 FEET
WIRE DIAMETER:	0.563 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1200
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO

DEP: 18 JUL 83 HONOLULU, HI BIOLOGY - HAWAIIAN WATERS 19
 ARR: 06 AUG 83 HONOLULU, HI
 AREA INDEX: NP12
 OCEANOGRAPHIC RESEARCH
 DEP: 17 AUG 83 HONOLULU, HI OPEN TRANSIT TO CALLAO 20
 ARR: 06 SEP 83 CALLAO, PERU
 AREA INDEX: NP12 NP13 SP3 SP3A
 OCEANOGRAPHIC RESEARCH HUSSONG NSF
 DEP: 10 SEP 83 CALLAO, PERU IPOD SITE SURVEY - NORTHERN PERU 37
 ARR: 17 OCT 83 GUAYAQUIL, EC
 AREA INDEX: SP3A SP3
 OCEANOGRAPHIC RESEARCH
 DEP: 20 OCT 83 GUAYAQUIL, EC OPEN TRANSIT TO HONOLULU 20
 ARR: 09 NOV 83 HONOLULU, HI
 AREA INDEX: SP3A SP3 NP13 NP12
 OCEANOGRAPHIC RESEARCH YOUNG NSF
 DEP: 21 NOV 83 HONOLULU, HI BIOLOGY - HAWAIIAN WATERS 14
 ARR: 05 DEC 83 HONOLULU, HI
 AREA INDEX: NP12
 OPEN
 DEP: 06 DEC 83 HONOLULU, HI OPEN 25
 ARR: 31 DEC 83 HONOLULU, HI
 AREA INDEX: OPEN

MOANA WAVE

POINT OF CONTACT INFORMATION

POC: MR J FRISBEE CAMPBELL
POC OFFICE: SCI COORDINATOR FOR MARINE OPER.
POC ORGANIZATION: HAWAII INST. OF GEOPHYSICS
POC ADDRESS: 2525 CORREA ROAD
POC CITY/STATE: HONOLULU HI 96822
FTS PREFIX: 808
COMMERCIAL AREA CODE: 808
PHONE: 948-7654

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WAVE
DESIGNATOR: AGOR 22
CLASS: GYRE/AGOR 21
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: RESEARCH AND DEVELOPMENT
SHIP OWNER: USN
CERTIFICATION AUTHORITY: -
FLAG REGISTRY: USA
HOME PORT: HONOLULU HI
TECHNICAL SPONSOR: U UNIV. OF HAWAII
OPERATIONS CONTROL: HAWAII INST. OF GEOPHYSICS
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 1 JAN 84 CON #
00014-74-C-0052
OPERATING COST/DAY: 2.8/78 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 13
NUMBER OFFICERS: 4
NUMBER IN CREW: 11
MAX SEA STATE: 5 BEAUFORT SCALE
ENDURANCE: 45 DAY(S)
LIMITING FACTOR: REFRIGERATED STORES
BUILDER: HALTER MARINE SERVICES INC
WHERE BUILT: NEW ORLEANS LA USA
INITIAL COST: 3.9/73 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: -
LAUNCH DATE: 18 JUN 73
DELIVERY DATE: 73
COMMISSION DATE: -
CONVERSION DATE: -
LAST OVERHAUL: 79
MAINTENANCE CYCLE: 2.0 YEARS
END OF LIFE: 2003
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 174.0 FEET
MAX BEAM: 36.0 FEET
HEIGHT: - FEET
GROSS TONNAGE: 291
DISPLACEMENT: 1437 TONS
DRAUGHT: 13.1 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 8000 NAUTICAL MILES
MAX SPEED: 13.5 KNOTS
MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL/JP-5
BOW THRUSTER:	ELECTRIC
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	24X8X8
INSTRUMENT VAN DIMENSIONS:	24X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	60000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	7000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.219 INCHES
03. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	40000 FEET
WIRE DIAMETER:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1220
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	EDO/RAYTHEON

MOANA WAVE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

UNIV OF HAWAII

DEP: 01 JAN 83 HONOLULU, HI
ARR: 31 DEC 83 HONOLULU, HI
AREA INDEX: NP11 NP12

UNDER ONR 611 CONTRACT
CALL POC FOR DETAILS

365

RIDGELY WARFIELD

POINT OF CONTACT INFORMATION

POC: MR ROBERT K SHEEHAN
POC OFFICE: HEAD, OPERATIONS DIVISION
POC ORGANIZATION: CHESAPEAKE BAY INSTITUTE
POC ADDRESS: JOHNS HOPKINS UNIVERSITY
POC CITY/STATE: SHADY SIDE MD 20764
COMMERCIAL AREA CODE: 301
PHONE: 867-7550

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WARFIELD
DESIGNATOR: RV
CLASS: CATAMARAN
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: JOHNS HOPKINS UNIVERSITY
CERTIFICATION AUTHORITY: -
FLAG REGISTRY: USA
HOME PORT: ANNAPOLIS MD
TECHNICAL SPONSOR: U JOHNS HOPKINS UNIVERSITY
OPERATIONS CONTROL: JOHNS HOPKINS UNIVERSITY
CONTRACTUAL INFORMATION: NONE
OPERATING COST/DAY: 2.5/80
SCIENTIFIC COMPLEMENT: 11
NUMBER OFFICERS: 4
NUMBER IN CREW: 7
MAX SEA STATE: 4 BEAUFORT SCALE
ENDURANCE: 30 DAY(S)
LIMITING FACTOR: FUEL
BUILDER: BETHLEHEM STEEL SHIPBUILDING
WHERE BUILT: BALTIMORE MD USA
INITIAL COST: 1.25/67 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: -
LAUNCH DATE: -67
DELIVERY DATE: -67
COMMISSION DATE: -67
CONVERSION DATE: -
LAST OVERHAUL: 15 APR 80
MAINTENANCE CYCLE: 1.5 YEARS
END OF LIFE: 1992
UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 106.0 FEET
MAX BEAM: 34.0 FEET
HEIGHT: 48.0 FEET
GROSS TONNAGE: 262
DISPLACEMENT: 162 TONS
DRAUGHT: 9.6 FEET
CRUISE SPEED: 15.0 KNOTS
RANGE: 1500 NAUTICAL MILES
MAX SPEED: 15.0 KNOTS
MIN SPEED: 2.0 KNOTS

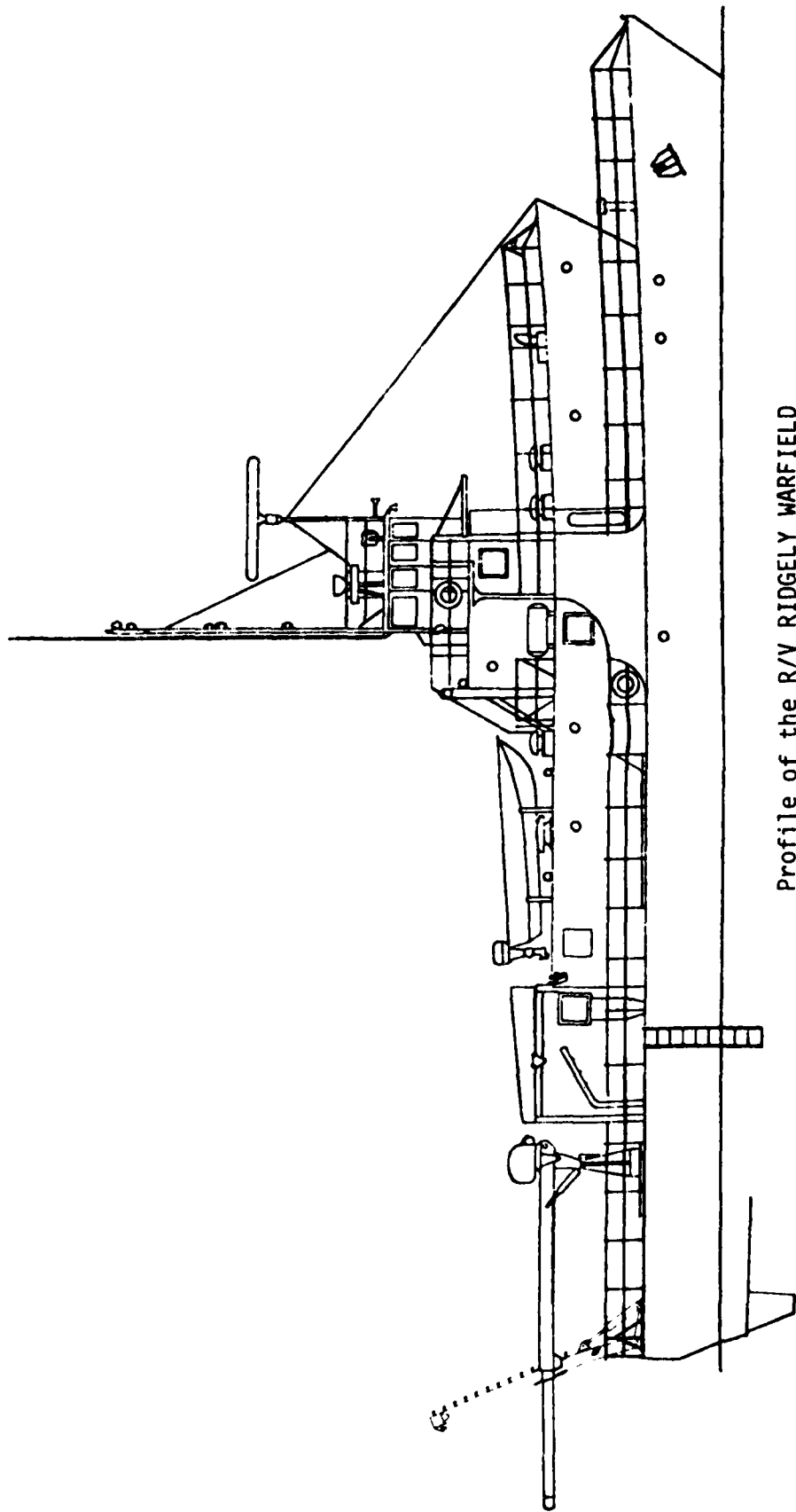
ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 17 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.375 INCHES
SECONDARY WIRE LEN:	1000 FEET
SECONDARY WIRE DIAM:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.156 INCHES
03. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	300 FEET
WIRE DIAMETER:	0.094 INCHES
04. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	300 FEET
WIRE DIAMETER:	0.094 INCHES
05. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1200 FEET
WIRE DIAMETER:	0.500 INCHES
06. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1200 FEET
WIRE DIAMETER:	0.500 INCHES
07. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.375 INCHES

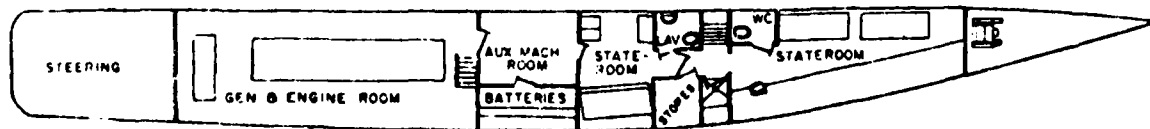
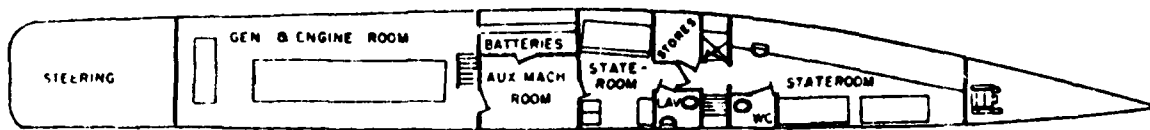
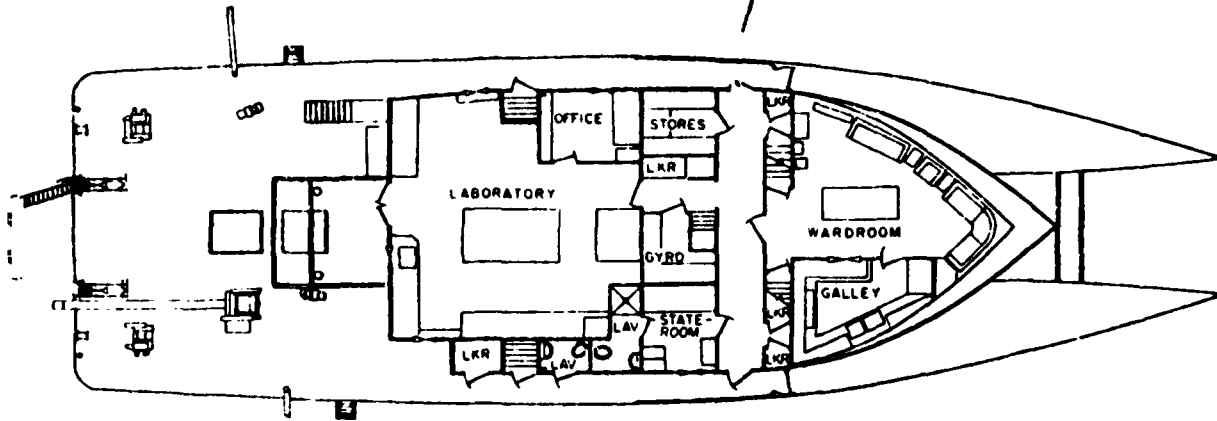
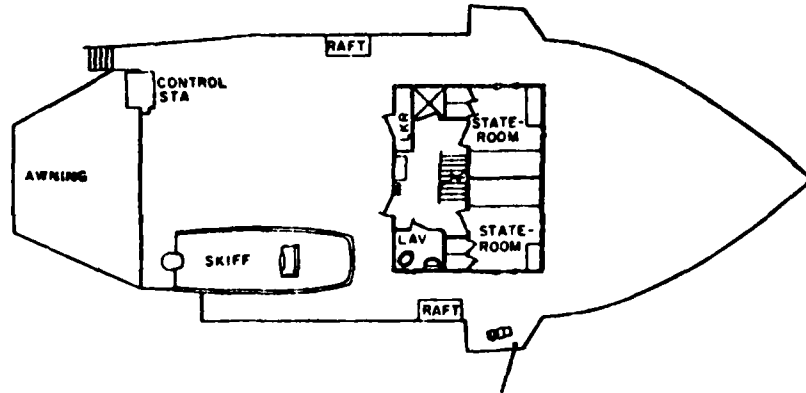
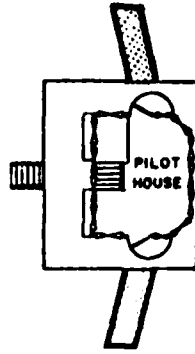
08. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.375 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	BENDIX, RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO



Profile of the R/V RIDGELY WARFIELD



RIDGELY WARFIELD

LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH SELIGER (JHU) NSF
DEP: 03 JAN 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
ARR: 05 JAN 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF
DEP: 17 JAN 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY 4
ARR: 21 JAN 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER (JHU) NSF
DEP: 08 MAR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
ARR: 10 MAR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF
DEP: 14 MAR 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY 4
ARR: 18 MAR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HAAS (VIMS) NSF
DEP: 26 MAR 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER 5
ARR: 31 MAR 83 ANNAPOLIS, MD
AREA INDEX: NA6

DEP: 01 APR 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER 3
ARR: 04 APR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER (JHU) NSF
DEP: 06 APR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
ARR: 08 APR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF
DEP: 12 APR 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY 0
ARR: 12 APR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF
DEP: 18 APR 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY 4
ARR: 22 APR 83 ANNAPOLIS, MD
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER (JHU) NSF
DEP: 27 APR 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
ARR: 29 APR 83 ANNAPOLIS, MD
AREA INDEX: NA6

DEP: 03 MAY 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
ARR: 05 MAY 83 ANNAPOLIS, MD

AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF
 DEP: 10 MAY 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY
 ARR: 10 MAY 83 ANNAPOLIS, MD 0
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF
 DEP: 16 MAY 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY
 ARR: 20 MAY 83 ANNAPOLIS, MD 4
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF
 DEP: 24 MAY 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
 ARR: 26 MAY 83 ANNAPOLIS, MD 2
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH POWERS (JHU) NSF
 DEP: 01 JUN 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY
 ARR: 10 JUN 83 ANNAPOLIS, MD 9
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF
 DEP: 14 JUN 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY
 ARR: 14 JUN 83 ANNAPOLIS, MD 0
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF
 DEP: 20 JUN 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY
 ARR: 24 JUN 83 ANNAPOLIS, MD 4
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF
 DEP: 12 JUL 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY
 ARR: 12 JUL 83 ANNAPOLIS, MD 0
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF
 DEP: 19 JUL 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA
 ARR: 21 JUL 83 ANNAPOLIS, MD 2
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH POWERS (JHU) NSF
 DEP: 25 JUL 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY
 ARR: 29 JUL 83 ANNAPOLIS, MD 4
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF
 DEP: 02 AUG 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY
 ARR: 02 AUG 83 ANNAPOLIS, MD 0
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH HAAS (VIMS) NSF
 DEP: 06 AUG 83 ANNAPOLIS, MD MICROFLAGELLATES - YORK RIVER
 ARR: 15 AUG 83 ANNAPOLIS, MD 9
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF
 DEP: 17 AUG 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA

ARR: 19 AUG 83 ANNAPOLIS, MD 2
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HEINBOKEL/TYLER NSF

DEP: 22 AUG 83 ANNAPOLIS, MD ZODIAC - CHESAPEAKE BAY 4
 ARR: 26 AUG 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 06 SEP 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
 ARR: 08 SEP 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF

DEP: 12 SEP 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY 4
 ARR: 16 SEP 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 20 SEP 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
 ARR: 22 SEP 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH POWERS (JHU) NSF

DEP: 26 SEP 83 ANNAPOLIS, MD MUMMICHUG - CHESAPEAKE BAY 4
 ARR: 30 SEP 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 04 OCT 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 3
 ARR: 07 OCT 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH COLWELL (U OF MD) NSF

DEP: 11 OCT 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY 0
 ARR: 11 OCT 83 ANNAPOLIS, MD
 AREA INDEX: NA6

DEP: 02 NOV 83 ANNAPOLIS, MD MICROBIOLOGY - UPPER CHESAPEAKE BAY 0
 ARR: 02 NOV 83 ANNAPOLIS, MD
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SELIGER(JHU) NSF

DEP: 08 NOV 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
 ARR: 10 NOV 83 ANNAPOLIS, MD
 AREA INDEX: NA6

DEP: 21 NOV 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 2
 ARR: 23 NOV 83 ANNAPOLIS, MD
 AREA INDEX: NA6

DEP: 03 DEC 83 ANNAPOLIS, MD PHOTOECOLOGY - CHESAPEAKE BAY ENTRA 12
 ARR: 15 DEC 83 ANNAPOLIS, MD
 AREA INDEX: NA6

ROBERT D CONRAD

POINT OF CONTACT INFORMATION

POC: CAPT S S GRIFFIN
 POC OFFICE: PORT CAPTAIN
 POC ORGANIZATION: MARITIME OPERATION INC
 POC ADDRESS: P O BOX 594
 POC CITY/STATE: PALISADES NY 10964
 FTS PREFIX: 914
 COMMERCIAL AREA CODE: 914
 PHONE: 359-2900

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: CONRAD
 DESIGNATOR: AGOR 3
 CLASS: ROBERT D CONRAD/AGOR 3
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: USN
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: NEW YORK NY
 TECHNICAL SPONSOR: U LAMONT-DOHERTY GEOLOGICAL OBSERVATORY
 OPERATIONS CONTROL: MARITIME OPERATIONS INC
 CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 14 JUN 79 CON
 N00014-69-C-0324
 OPERATING COST/DAY: 4.5/78 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 15
 NUMBER OFFICERS: 6
 NUMBER IN CREW: 14
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 60 DAY(S)
 LIMITING FACTOR: REFRIGERATED STORES
 BUILDER: GIBBS SHIPYARD CORPORATION
 WHERE BUILT: JACKSONVILLE FL USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: 19 JAN 61
 LAUNCH DATE: 26 MAY 62
 DELIVERY DATE: 29 NOV 62
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: - YEARS
 END OF LIFE: 1983
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

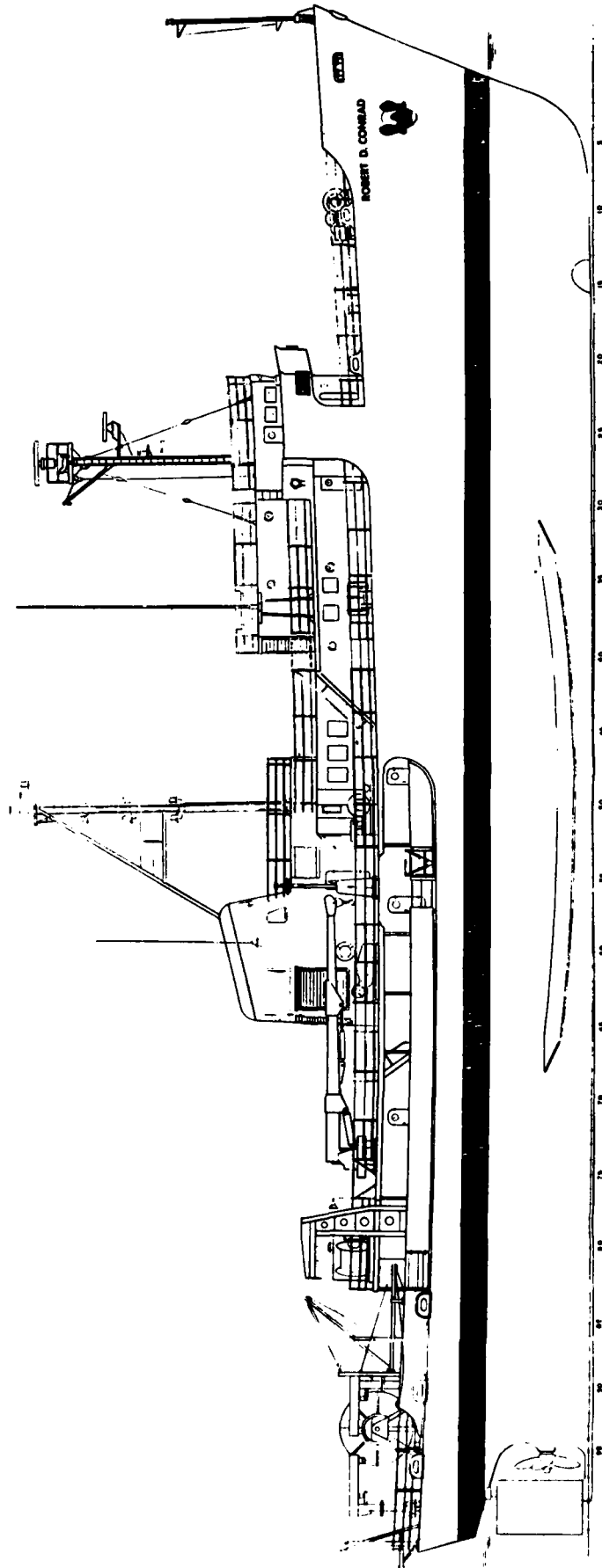
LENGTH: 209.0 FEET
 MAX BEAM: 37.5 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 1425
 DISPLACEMENT: 1370 TONS
 DRAUGHT: 16.8 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 10000 NAUTICAL MILES
 MAX SPEED: 11.0 KNOTS
 MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	GAS TURBINE BT
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.187 INCHES
04. MAJOR TYPE/USE:	UNKNOWN
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.187 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4051
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	NO
SOUNDING SYSTEM (DEEP):	L-DGO PDR



OUTBOARD PROFILE

ROBERT D CONRAD

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH KATZ NSF

DEP: 15 JAN 83 JACKSONVILLE, FL TRANSIT TO BARBADOS & SEQUAL 7
ARR: 22 JAN 83 BARBADOS
AREA INDEX: NA6 NA9

DEP: 23 JAN 83 BARBADOS SEQUAL LEG 1 19
ARR: 11 FEB 83 RECIFE, BR
AREA INDEX: NA9 NA10 SA7

OCEANOGRAPHIC RESEARCH NSF

DEP: 15 FEB 83 RECIFE, BR SEQUAL LEG 2 18
ARR: 05 MAR 83 ABIDJAN
AREA INDEX: SA1 NA10 NA11 SA2

OCEANOGRAPHIC RESEARCH MACINTYRE NSF

DEP: 08 MAR 83 ABIDJAN EQUATORIAL ATLANTIC 28
ARR: 05 APR 83 ABIDJAN
AREA INDEX: NA10 NA11 SA7 SA2

OCEANOGRAPHIC RESEARCH
DEP: 08 APR 83 ABIDJAN TRANSIT TO MEDITERRANEAN 11
ARR: 19 APR 83 CASABLANCA
AREA INDEX: NA11 NA10 NA7

OCEANOGRAPHIC RESEARCH HAYES/RABINOWITZ NSF

DEP: 25 APR 83 CASABLANCA MCS INSTALLATION 35
ARR: 30 MAY 83 MADEIRA ISLANDS MOROCCAN MARGIN
AREA INDEX: NA7

OCEANOGRAPHIC RESEARCH
DEP: 01 JUN 83 MADEIRA ISLANDS TRANSIT 9
ARR: 10 JUN 83 REYKJAVIK, ICELAND
AREA INDEX: NA7 NA5 NA7

OCEANOGRAPHIC RESEARCH MUTTER/BUHL NSF

DEP: 13 JUN 83 REYKJAVIK, IC NORWEGIAN MARGIN 44
ARR: 27 JUL 83 HALIFAX, NS
AREA INDEX: NA1 NA2 NA4 NA5 NA6

OCEANOGRAPHIC RESEARCH TUCHOLKE/HOLLISTER NSF

DEP: 30 JUL 83 HALIFAX, NS NOVA SCOTIA CONTINENTAL RISE 25
ARR: 24 AUG 83 WOODS HOLE, MA
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH GRIMM
DEP: 30 AUG 83 WOODS HOLE, MA DEEP TOW INSTALLATION 12
ARR: 11 SEP 83 WOODS HOLE, MA TITANIC/GRIMM
AREA INDEX: NA6 NA7

OCEANOGRAPHIC RESEARCH
DEP: 15 SEP 83 HALIFAX, NS TRANSIT TO MEDITERRANEAN

ARR: 29 SEP 83 VALENCIA, SP		14
AREA INDEX: NA6 NA7		
OCEANOGRAPHIC RESEARCH	RYAN/MALDONADO	NSF/CNEXO
DEP: 02 OCT 83 VALENCIA, SP	WESTERN MEDITERRANEAN	
ARR: 14 OCT 83 NAPLES, ITALY		12
AREA INDEX: NA7 NA8		
OCEANOGRAPHIC RESEARCH	RYAN/KASTEN	NSF
DEP: 16 OCT 83 NAPLES, IT	EASTERN MEDITERRANEAN	
ARR: 15 NOV 83 NAPLES, IT		30
AREA INDEX: NA8		
OCEANOGRAPHIC RESEARCH		
DEP: 19 NOV 83 NAPLES, IT	TRANSIT TO EAST COAST U.S.	
ARR: 07 DEC 83 PORT TBD		18
AREA INDEX: NA8 NA7 NA6		

CALANUS

POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS
 POC OFFICE: MARINE OPERATIONS MANAGER, RSMAS
 POC ORGANIZATION: UNIVERSITY OF MIAMI
 POC ADDRESS: 10 RICKENBACKER CAUSEWAY
 POC CITY/STATE: MIAMI FL 33149
 COMMERCIAL AREA CODE: 305
 PHONE: 350-7223

ADMINISTRATIVE DETAILS

DESIGNATOR: ORV
 CLASS: UNDER 100 GT
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: UNIVERSITY OF MIAMI
 CERTIFICATION AUTHORITY: NONE
 FLAG REGISTRY: USA
 HOME PORT: MIAMI FL
 TECHNICAL SPONSOR: U UNIV. OF MIAMI
 OPERATIONS CONTROL: UNIVERSITY OF MIAMI
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 0.7/78
 SCIENTIFIC COMPLEMENT: 6
 NUMBER OFFICERS: 1
 NUMBER IN CREW: 1
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 15 DAY(S)
 LIMITING FACTOR: CREW
 BUILDER: ATLANTIC MARINE INC
 WHERE BUILT: FL USA
 INITIAL COST: .089/71 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: 00 MAR 71
 LAUNCH DATE: '71
 DELIVERY DATE: 00 SEP 71
 COMMISSION DATE: 00 OCT 71
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: 1.0 YEARS
 END OF LIFE: 1990
 UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 64.0 FEET
 MAX BEAM: 20.0 FEET
 HEIGHT: 24.0 FEET
 GROSS TONNAGE: 83
 DISPLACEMENT: 80 TONS
 DRAUGHT: 4.9 FEET
 CRUISE SPEED: 9.0 KNOTS
 RANGE: 2500 NAUTICAL MILES
 MAX SPEED: 9.0 KNOTS
 MIN SPEED: 4.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	MG-0/2 DIESEL/LIGHT DO
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 13 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF CRANES:	0
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	15000 FEET
WIRE DIAMETER:	0.187 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO

CALANUS

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH DR LEAMAN NOAA
DEP: 11 MAR 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11
ARR: 22 MAR 83 MIAMI, FL FLORIDA STRAITS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR KING NSF
DEP: 18 APR 83 MIAMI, FL NUTRITIONAL ECOLOGY OF MARINE PLANK 25
ARR: 13 MAY 83 MIAMI, FL CARNIVORES. BAHAMAS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR MYRBERG NSF
DEP: 20 MAY 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG 6
ARR: 26 MAY 83 MIAMI, FL SOUTH FLORIDA COASTLINE
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR MORSE NSF
DEP: 11 JUN 83 MIAMI, FL SOLUBILITY OF CALCITE & ARAGONITE I 19
ARR: 30 JUN 83 MIAMI, FL SEAWATER. BAHAMA BANKS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR LEAMAN NOAA
DEP: 07 JUL 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11
ARR: 18 JUL 83 MIAMI, FL FLORIDA STRAITS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR FENICAL NSF
DEP: 26 JUL 83 MIAMI, FL INVEST. CHEM DEFENSE OF SOFT-BODIED 21
ARR: 16 AUG 83 MIAMI, FL PLANTS & ANIMALS. SO. BAHAMAS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR MYRBERG NSF
DEP: 25 AUG 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG 6
ARR: 31 AUG 83 MIAMI, FL SOUTH FLORIDA COASTLINE
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR LEAMAN NSF
DEP: 12 SEP 83 MIAMI, FL PEGASUS VELOCITY PROFILES - 27N 11
ARR: 23 SEP 83 MIAMI, FL FLORIDA STRAITS
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR MYRBERG NSF
DEP: 04 OCT 83 MIAMI, FL BIO-ACOUSTIC RESEARCH - REEFS ALONG 6
ARR: 10 OCT 83 MIAMI, FL SOUTH FLORIDA COASTLINE
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH DR KREMER NSF
DEP: 19 OCT 83 MIAMI, FL COLLECT & STUDY CTENOPHORE BOLINOPS 9
ARR: 28 OCT 83 MIAMI, FL VITREA. BAHAMAS/DRY TORTUGAS
AREA INDEX: NA9

CAPE FLORIDA

POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS
POC OFFICE: MARINE OPERATIONS MANAGER, RSMAS
POC ORGANIZATION: UNIVERSITY OF MIAMI
POC ADDRESS: 10 RICKENBACKER CAUSEWAY
POC CITY/STATE: MIAMI FL 33149
COMMERCIAL AREA CODE: 305
PHONE: 350-7223

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: FLORIDA
DESIGNATOR: -
CLASS: COASTAL ZONE R/V
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH - COASTAL ZONE
SHIP OWNER: NATIONAL SCIENCE FOUNDATION
CERTIFICATION AUTHORITY: -
FLAG REGISTRY: USA
HOME PORT: MIAMI FL USA
TECHNICAL SPONSOR: U UNIV. OF MIAMI
OPERATIONS CONTROL: U UNIV. OF MIAMI
CONTRACTUAL INFORMATION: NSF CHARTER PARTY AGREEMENT. EXPIRES 1986.
OPERATING COST/DAY: -
SCIENTIFIC COMPLEMENT: 12
NUMBER OFFICERS: -
NUMBER IN CREW: 9
MAX SEA STATE: 7 BEAUFORT SCALE
ENDURANCE: 21 DAY(S)
LIMITING FACTOR: DRY STORES
BUILDER: ATLANTIC MARINE INC.
WHERE BUILT: FORT GEORGE ISLAND FL
INITIAL COST: 6.0/81 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: 15 JUN 80
LAUNCH DATE: -
DELIVERY DATE: 01 AUG 81
COMMISSION DATE: -
CONVERSION DATE: -
LAST OVERHAUL: -
MAINTENANCE CYCLE: - YEARS
END OF LIFE: -
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 135.0 FEET
MAX BEAM: 32.0 FEET
HEIGHT: - FEET
GROSS TONNAGE: 294
DISPLACEMENT: 539 TONS
DRAUGHT: 9.0 FEET
CRUISE SPEED: 11.0 KNOTS
RANGE: 7680 NAUTICAL MILES
MAX SPEED: 12.5 KNOTS
MIN SPEED: 0.1 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	-
ACTIVE RUDDER:	-
DYNAMIC POSITIONING:	-
ANTI-ROLL:	-
STABILIZER:	-
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	-
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 18 FOOT RUBBER INFLATABLE	
2. 18 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	20000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	16200 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	11880 FEET
SECONDARY WIRE DIAM:	0.312 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	24750 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	8910 FEET
SECONDARY WIRE DIAM:	0.312 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	-
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	-
LORAN C:	Y
OMEGA:	-
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	Y
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	-
SOUNDING SYSTEM (DEEP):	RAYTHEON/EDO

CAPE FLORIDA

LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH F SCHOTT ONR
 DEP: 25 JAN 83 MIAMI, FL PLACE DOPPLER CURRENT PROFILING & M
 ARR: 29 JAN 83 MIAMI, FL ING DEPLOYMENTS. GULF STREAM 4
 AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH J MCCLEAVE NSF
 DEP: 09 FEB 83 MIAMI, FL SAMPLE SPAWNING AMER. & EUROPEAN EEL
 ARR: 01 MAR 83 MIAMI, FL THERMAL FRONT. S. SARGASSO SEA 20
 AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH S GRUBER NSF
 DEP: 09 MAR 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
 ARR: 23 MAR 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH J MCCLEAVE NSF
 DEP: 31 MAR 83 MIAMI, FL SAMPLE SPAWNING AMER. & EUROPEAN EEL
 ARR: 20 APR 83 MIAMI, FL THERMAL FRONT. S. SARGASSO SEA 20
 AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH R COLWELL NSF
 DEP: 27 APR 83 MIAMI, FL STUDIES OF MARINE BACTERIA, PUERTO
 ARR: 10 MAY 83 MIAMI, FL TRENCH. PUERTO RICO PORT CALL 13
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH L FARMER NSF
 DEP: 21 MAY 83 MIAMI, FL UNDERGRADUATE MARINE SCIENCE PROGRA
 ARR: 28 MAY 83 MIAMI, FL TRAINING. FLORIDA STRAITS 7
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH S GRUBER NSF
 DEP: 19 JUN 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
 ARR: 03 JUL 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH R HOUGHTON NSF
 DEP: 10 JUL 83 MIAMI, FL HYDRO. & NUTRIENT CHEMISTRY. N.Y. B
 ARR: 01 AUG 83 MIAMI, FL OFF LONG IS. PORT CALLS TBD 22
 AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH S GRUBER NSF
 DEP: 06 SEP 83 MIAMI, FL STUDY LEMON SHARK AS PREDATOR IN TR
 ARR: 20 SEP 83 MIAMI, FL MARINE ENVIRN. BAHAMA & FL KEY 14
 AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH R HODSON NSF
 DEP: 01 OCT 83 MIAMI, FL STUDY DECOMPOSITION OF ORGANIC COMP
 ARR: 10 OCT 83 MIAMI, FL OFF SAVANNAH 9
 AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH A MITSUI NSF
 DEP: 19 OCT 83 MIAMI, FL USE OF MARINE BLUE GREEN ALGAE FOR
 ARR: 02 NOV 83 MIAMI, FL CULTURE. BAHAMAS 14
 AREA INDEX: NA6 NA9

COLUMBUS ISELIN

POINT OF CONTACT INFORMATION

POC: MR JAMES GIBBONS
POC OFFICE: OPERATIONS MANAGER, RSMAS
POC ORGANIZATION: UNIVERSITY OF MIAMI
POC ADDRESS: 10 RICKENBACKER CAUSEWAY
POC CITY/STATE: MIAMI FL 33149
COMMERCIAL AREA CODE: 305
PHONE: 350-7223

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: ISELIN
DESIGNATOR: ORV
CLASS: -
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: UNIV. OF MIAMI
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
FLAG REGISTRY: USA
HOME PORT: MIAMI FL
TECHNICAL SPONSOR: U UNIV. OF MIAMI
OPERATIONS CONTROL: UNIV. OF MIAMI
CONTRACTUAL INFORMATION: NONE
OPERATING COST/DAY: 3,578
SCIENTIFIC COMPLEMENT: 13
NUMBER OFFICERS: 6
NUMBER IN CREW: 6
MAX SEA STATE: 5 BEAUFORT SCALE
ENDURANCE: 30 DAY(S)
LIMITING FACTOR: CREW
BUILDER: J BELLINGER SHIPYARDS INC
WHERE BUILT: JACKSONVILLE FL USA
INITIAL COST: 14.4/72 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: 00 FEB 71
LAUNCH DATE: 01 MAR 72
DELIVERY DATE: 15 SEP 72
COMMISSION DATE: -
CONVERSION DATE: -
LAST OVERHAUL: -
MAINTENANCE CYCLE: 1.0 YEARS
END OF LIFE: 2002
UPDATE OF INFORMATION: 16 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 170.0 FEET
MAX BEAM: 36.0 FEET
HEIGHT: 60.0 FEET
GROSS TONNAGE: 281
DISPLACEMENT: 830 TONS
DRAUGHT: 10.5 FEET
CRUISE SPEED: 13.0 KNOTS
RANGE: 9700 NAUTICAL MILES
MAX SPEED: 14.5 KNOTS
MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2-1 DIESEL/MG-0/LIGHT DO/
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 18 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	20000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	33000 FEET
WIRE DIAMETER:	0.187 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO, GIFFT

COLUMBUS ISELIN

LAST CHANGED 07 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH W SCHLAGER NSF
DEP: 11 JAN 83 MIAMI, FL PISTON CORES OF SEDIMENTS, DEEP WAT
ARR: 24 JAN 83 MIAMI, FL TROUGHS OF BAHAMAS ARCHIPELAGO 13
AREA INDEX: NA9

OCEANOGRAPHIC RESEARCH HARBISON NSF
DEP: 04 FEB 83 MIAMI, FL BIOLOGY OF GELATINOUS ZOOPLANKTON
ARR: 18 FEB 83 BERMUDA SARGASSO SEA 14
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH MADIN NSF
DEP: 21 FEB 83 BERMUDA IN SITU & LAB STUDIES OCEANIC PLANK
ARR: 12 MAR 83 WOODS HOLE SARGASSO SEA, BERMUDA TO WHOI 19
AREA INDEX: NA9 NA6

OCEANOGRAPHIC RESEARCH N HOGG ONR/NSF
DEP: 16 MAR 83 WOODS HOLE DEPLOY 11 MOORINGS 60-70M, 35-40M,
ARR: 25 MAR 83 WOODS HOLE NEW ENGLAND SEAMOUNT CHAIN 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH S WATSON NSF
DEP: 28 MAR 83 WOODS HOLE STUDY ROLE OF CYANOBACTERIA IN THE
ARR: 10 APR 83 WOODS HOLE SARGASSO SEA 13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NSF
DEP: 13 APR 83 WOODS HOLE TRANSIT
ARR: 14 APR 83 NARRAGANSETT, RI 1
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH R WATTS NSF
DEP: 16 APR 83 NARRAGANSETT, RI RECOVER/RESET ECHO SOUNDER ARRAY &
ARR: 26 APR 83 NARRAGANSETT, RI GULF STREAM, NE OF C. HATTERAS 10
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NSF
DEP: 28 APR 83 NARRAGANSETT, RI TRANSIT
ARR: 02 MAY 83 MIAMI, FL 4
AREA INDEX: NA6 NA9

OCEANOGRAPHIC RESEARCH C NITTROUER NSF
DEP: 12 MAY 83 MIAMI, FL EXAMINE OCEANOGRAPHIC PROCESSES
ARR: 22 MAY 83 BELEM, BRAZIL AMAZON CONTINENTAL SHELF LEG I 10
AREA INDEX: NA9 NA10 SA1

DEP: 25 MAY 83 BELEM, BR CONTINUE AMAZON CONTINENTAL SHELF
ARR: 13 JUN 83 BELEM, BR STUDIES. LEG II 19
AREA INDEX: SA1 NA10

DEP: 17 JUN 83 BELEM, BR CONTINUE AMAZON CONTINENTAL SHELF
ARR: 06 JUL 83 BELEM, BR STUDIES. LEG III 19
AREA INDEX: SA1 NA10

OCEANOGRAPHIC RESEARCH HARRISON NSF
 DEP: 10 JUL 83 BELEM, BR BIOLOGY OF GELATINOUS ZOOPLANKTON
 ARR: 03 AUG 83 BARBADOS CARIBBEAN SEA 24
 AREA INDEX: SA1 NATO NA9
 OCEANOGRAPHIC RESEARCH DEUSER NSF
 DEP: 07 AUG 83 BARBADOS RECOVER SEDIMENT TRAP OFF BARBADOS
 ARR: 16 AUG 83 MIAMI, FL 9
 AREA INDEX: NA9

 CAYUSE

POINT OF CONTACT INFORMATION

POC: MS GAIL LIRAGIS
 POC OFFICE: SHIP SCHEDULER
 POC ORGANIZATION: MOSS LANDING MARINE LABORATORY
 POC ADDRESS: P O BOX 223
 POC CITY/STATE: MOSS LANDING CA 95039
 FTS PREFIX: 408
 COMMERCIAL AREA CODE: 408
 PHONE: 633-3304

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: PURSE SEINER
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEANOGRAPHIC MOTOR VESSEL
 SHIP OWNER: NATIONAL SCIENCE FOUNDATION
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: MOSS LANDING CA
 TECHNICAL SPONSOR: U MOSS LANDING MARINE LABORATORY
 OPERATIONS CONTROL: MOSS LANDING MARINE LABORATORY
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 2.0/78 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 8
 NUMBER OFFICERS: 4
 NUMBER IN CREW: 3
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 20 DAY(S)
 LIMITING FACTOR: STORES
 BUILDER: ALBINA ENGINE AND MACHINE WORKS
 WHERE BUILT: PORTLAND OR USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: -'68
 DELIVERY DATE: -'68
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: 23 DEC 80
 MAINTENANCE CYCLE: 2.0 YEARS
 END OF LIFE: 1993
 UPDATE OF INFORMATION: 25 OCT 82

SHIP DIMENSIONS

LENGTH: 80.0 FEET
 MAX BEAM: 24.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 165
 DISPLACEMENT: 173 TONS
 DRAUGHT: 10.0 FEET
 CRUISE SPEED: 9.0 KNOTS
 RANGE: 4500 NAUTICAL MILES
 MAX SPEED: 10.0 KNOTS
 MIN SPEED: 0.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	-
1. 14 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	19800 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2970 FEET
WIRE DIAMETER:	5.219 INCHES
SECONDARY WIRE LEN:	9900 FEET
SECONDARY WIRE DIAM:	0.187 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	JRC/RAYTHEON

CAYUSE

LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE MLML

DEP: 03 JAN 83 MOSS LANDING, CA CRANE INSTALLATION
ARR: 20 FEB 83 MOSS LANDING, CA 42
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH K JOHNSON UCSB

DEP: 21 FEB 83 MOSS LANDING, CA SEAWATER NUTRIENTS
ARR: 25 FEB 83 MOSS LANDING, CA MONTEREY TO POINT CONCEPTION 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH M CARLIN CITY OF S.F.

DEP: 28 FEB 83 MOSS LANDING, CA OUT FALL MONITORING - SAN FRANCISCO
ARR: 04 MAR 83 MOSS LANDING, CA 5
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ARMY CORPS OF

DEP: 07 MAR 83 MOSS LANDING, CA DREDGE DISPOSAL STUDY-OFF FARALLON
ARR: 13 MAR 83 MOSS LANDING, CA 7
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH G KNAUER MLML

DEP: 21 MAR 83 MOSS LANDING, CA BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
ARR: 25 MAR 83 MOSS LANDING, CA 4
AREA INDEX: NP9

OPEN

DEP: 22 MAR 83 MOSS LANDING, CA OPEN
ARR: 15 APR 83 MOSS LANDING, CA 19
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH B WURSIG MLML

DEP: 16 APR 83 MOSS LANDING, CA MLML CONSORTIUM CRUISE
ARR: 17 APR 83 MOSS LANDING, CA 2
AREA INDEX: NP9

OPEN

DEP: 18 APR 83 MOSS LANDING, CA OPEN
ARR: 30 APR 83 MOSS LANDING, CA 13
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH B PREZELIN UCSB

DEP: 01 MAY 83 MOSS LANDING, CA PHOTONUTRITIVE REGULATION. SANTA BA
ARR: 14 MAY 83 MOSS LANDING, CA BASIN. PT HUENEME PORT CALLS 14
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH J BROENKOW MLML

DEP: 23 MAY 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX)-MONTEREY
ARR: 27 MAY 83 MOSS LANDING, CA 4
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH M CARLIN CITY OF S.F.

DEP: 30 MAY 83 MOSS LANDING, CA OUTFALL MONITORING-SAN FRANCISCO BA
 ARR: 03 JUN 83 MOSS LANDING, CA 4
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH G KNAUER MLML

DEP: 06 JUN 83 MOSS LANDING, CA BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
 ARR: 10 JUN 83 MOSS LANDING, CA 4
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH ARMY CORPS OF

DEP: 12 JUN 83 MOSS LANDING, CA DREDGE DISPOSAL STUDY-OFF FARALLON
 ARR: 18 JUN 83 MOSS LANDING, CA 7
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH W BROENKOW MLML

DEP: 20 JUN 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX)-MONTEREY
 ARR: 24 JUN 83 MOSS LANDING, CA 4
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH W BROENKOW/J MARTIN MLML

DEP: 06 JUL 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX) - 28N, 1
 ARR: 06 SEP 83 MOSS LANDING, CA PORT CALLS IN HONOLULU 62
 AREA INDEX: NP9 NP12
 OCEANOGRAPHIC RESEARCH K JOHNSON UCSB

DEP: 19 SEP 83 MOSS LANDING, CA SEAWATER NUTRIENTS
 ARR: 23 SEP 83 MOSS LANDING, CA MONTEREY TO POINT CONCEPTION 4
 AREA INDEX: NP9
 OPEN

DEP: 26 SEP 83 MOSS LANDING, CA OPEN
 ARR: 30 SEP 83 MOSS LANDING, CA 5
 AREA INDEX: OPEN
 OCEANOGRAPHIC RESEARCH G KNAUER MLML

DEP: 03 OCT 83 MOSS LANDING, CA BIOLOGICAL OCEANOGRAPHY-OFF CENTRAL
 ARR: 07 OCT 83 MOSS LANDING, CA 4
 AREA INDEX: NP9
 OPEN

DEP: 17 OCT 83 MOSS LANDING, CA OPEN
 ARR: 04 NOV 83 MOSS LANDING, CA 18
 AREA INDEX: OPEN
 OCEANOGRAPHIC RESEARCH J MARTIN/G KNAUER MLML

DEP: 07 NOV 83 MOSS LANDING, CA VERTICAL TRANSPORT(VERTEX)
 ARR: 14 NOV 83 MOSS LANDING, CA OFF CENTRAL CALIFORNIA 7
 AREA INDEX: NP9
 OPEN

DEP: 15 NOV 83 MOSS LANDING, CA OPEN
 ARR: 31 DEC 83 MOSS LANDING, CA 46
 AREA INDEX: OPEN

WECOMA

POINT OF CONTACT INFORMATION

POC: CAPT K PALFREY
 POC OFFICE: MARINE SUPERINTENDENT
 POC ORGANIZATION: OREGON STATE U. SCH OF OCEANOGRAPHY
 POC ADDRESS: MARINE SCIENCE CENTER
 POC CITY/STATE: NEWPORT OR 97365
 FTS PREFIX: 503
 COMMERCIAL AREA CODE: 503
 PHONE: 867-3011

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: OCEANUS
 CALL SIGN (INTERNATIONAL): KR5F
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: NSF
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: NEWPORT OR
 TECHNICAL SPONSOR: U OREGON STATE UNIVERSITY
 OPERATIONS CONTROL: OREGON STATE UNIVERSITY
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 7.0/82 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 16
 NUMBER OFFICERS: 0
 NUMBER IN CREW: 13
 MAX SEA STATE: 6 BEAUFORT SCALE
 ENDURANCE: 30 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: PETERSON BUILDERS
 WHERE BUILT: USA
 INITIAL COST: 3.1/75 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: -75
 DELIVERY DATE: -75
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: -81
 MAINTENANCE CYCLE: 2.0 YEARS
 END OF LIFE: 2001
 UPDATE OF INFORMATION: 01 NOV 82

SHIP DIMENSIONS

LENGTH: 177.0 FEET
 MAX BEAM: 33.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 289
 DISPLACEMENT: 1015 TONS
 DRAUGHT: 18.6 FEET
 CRUISE SPEED: 11.5 KNOTS
 RANGE: 7500 NAUTICAL MILES
 MAX SPEED: 14.5 KNOTS
 MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL/JP-5
BOW THRUSTER:	TRAINABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 13 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.375 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	23000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

ELECTRONIC EQUIPMENT

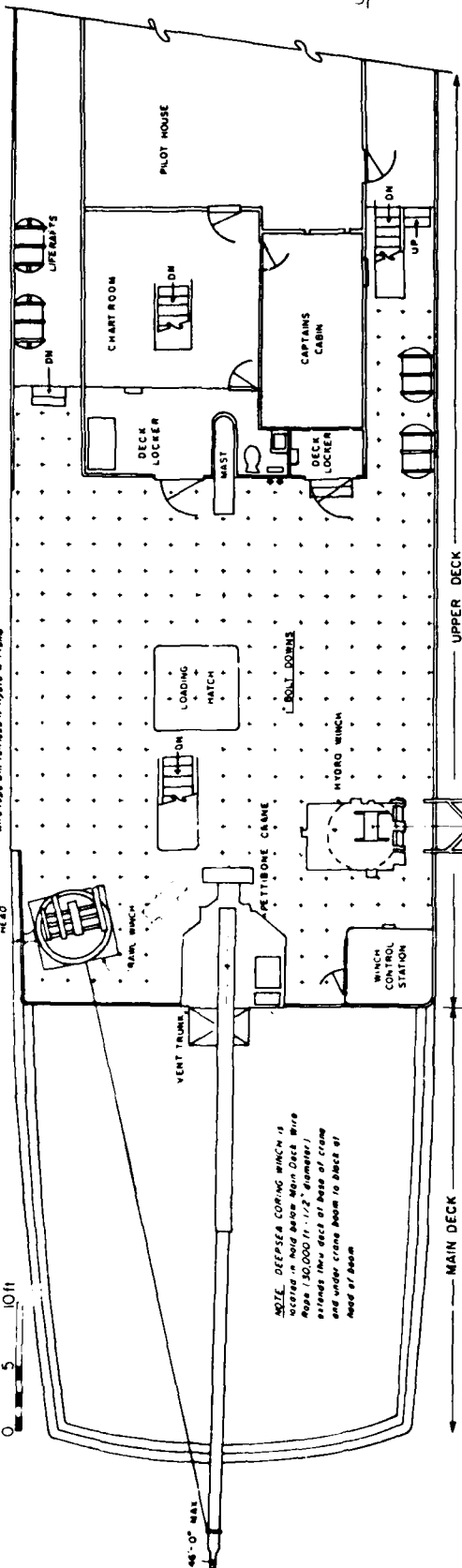
COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	EDO/RAYTHEON

R/V WECOMA
OREGON STATE UNIVERSITY

11 MARCH 1981

0 5 10 ft

NOTE: From which ropes are to come
and rigging for Forward, Upper & Frame

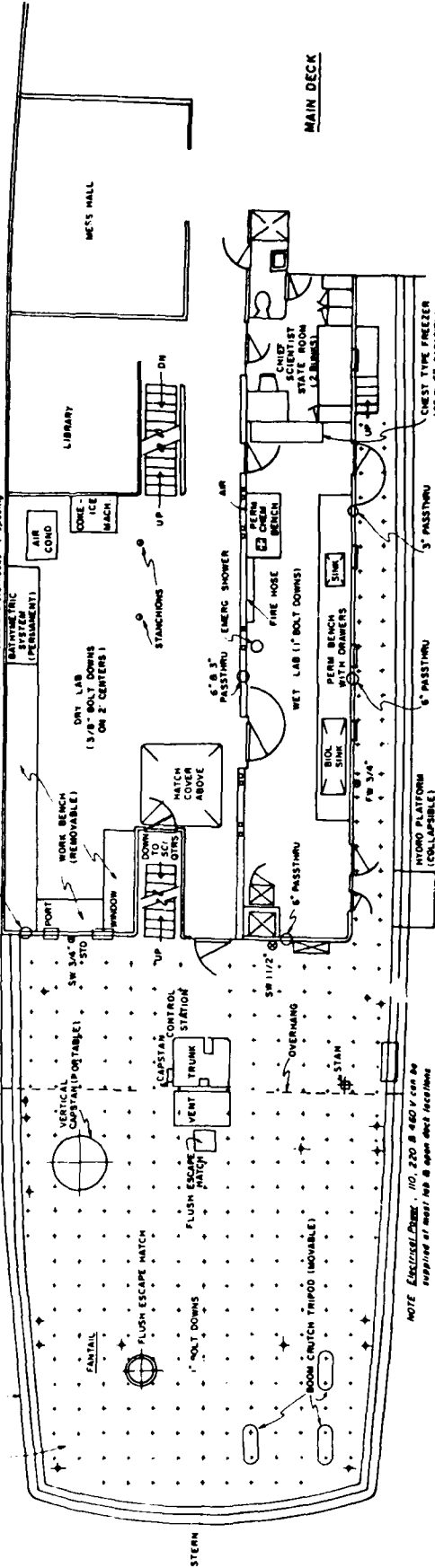


NOTE: DEEPSEA CORING WINCH is
located in hold below Main Deck. Wire
Rope (50,000 lb., 1-1/2\"/>

NOTE: Hydro A-Frame bolts to deck.
Can be moved aft!

NOTE: One escape hatch on fantail must be kept clear.
All fantail bulkheads are removable

NOTE: Bulk head aft equipped with unit
for air conditioning and heating - 4' spacing



NOTE: ESCAPE HATCH: 110, 220 & 440 v can be
removed at mast; not at open deck locations

WECOMA

LAST CHANGED 09 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		OSU	
DEP: 14 DEC 82 NEWPORT, OR	HOLIDAY INPORT		
ARR: 09 JAN 83 NEWPORT, OR			27
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF	
DEP: 10 JAN 83 NEWPORT, OR	OFF NO.CALIF/SO.OREGON - LARGE SCAL		
ARR: 17 JAN 83 SAN DIEGO, CA	WEST COAST SHELF EXP.		8
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH		OSU	
DEP: 18 JAN 83 SAN DIEGO, CA	TRANSIT TO BALBOA		
ARR: 28 JAN 83 BALBOA, CZ			11
AREA INDEX: NP9 NP13			
OCEANOGRAPHIC RESEARCH	SMITH	NSF	
DEP: 01 FEB 83 BALBOA, CZ	OFF PERU 1N-12S, 85W. EASTERN		
ARR: 24 FEB 83 CALLAO, PERU	BOUNDARY UNDERCURRENT		24
AREA INDEX: NP13 SP3A			
OCEANOGRAPHIC RESEARCH	BARRER/SMITH	NSF	
DEP: 01 MAR 83 CALLAO, PERU	OFF ECUADOR & PERU. BIOLOGICAL RESP		
ARR: 25 MAR 83 BALBOA, CZ	TO VARIABILITY		25
AREA INDEX: SP3A NP13			
OCEANOGRAPHIC RESEARCH		OSU	
DEP: 29 MAR 83 BALBOA, CZ	TRANSIT TO SAN DIEGO		
ARR: 08 APR 83 SAN DIEGO, CA			11
AREA INDEX: NP13 NP9			
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF	
DEP: 08 APR 83 SAN DIEGO, CA	N.CAL. CODE & LARGE SCALE WEST COAS		
ARR: 12 APR 83 SAN FRANCISCO, CA			5
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	BEARDSLEY	NSF	
DEP: 13 APR 83 SAN FRANCISCO, CA	N.CAL. CODE & LARGE SCALE WEST COAS		
ARR: 15 APR 83 NEWPORT, OR			3
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	ALLEN/SMITH/HUYER	NSF	
DEP: 16 APR 83 NEWPORT, OR	N.CAL. CODE & LARGE SCALE WEST COAS		
ARR: 19 APR 83 NEWPORT, OR			4
AREA INDEX: NP9			
OUT OF SERVICE		OSU	
DEP: 20 APR 83 NEWPORT, OR	MAINTENANCE		
ARR: 18 MAY 83 NEWPORT, OR			29
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	ANDERSON	DOE	

DEP: 19 MAY 83 NEWPORT, OR SO. WASH. - MECHANISMS OF TRANSFER 0
 ARR: 22 MAY 83 NEWPORT, OR ENERGY 4
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH SIEBENALLER NSF

DEP: 23 MAY 83 NEWPORT, OR ORE. COAST - BIOCHEMICAL ADAPTATION 5
 ARR: 27 MAY 83 NEWPORT, OR
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH KULM, ET.AL. NSF

DEP: 01 JUN 83 NEWPORT, OR OREGON/WASHINGTON MARGIN
 ARR: 26 JUN 83 NEWPORT, OR SUBDUCTION PROCESSES 26
 AREA INDEX: NP9

OUT OF SERVICE OSU

DEP: 27 JUN 83 NEWPORT, OR STAGING 14
 ARR: 10 JUL 83 NEWPORT, OR
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH MARTIN, ET.AL. NSF

DEP: 11 JUL 83 NEWPORT, OR VERTEX. NO. OF HAWAII. 32N, 158W INP
 ARR: 03 SEP 83 NEWPORT, OR IN HONOLULU & MONTEREY 55
 AREA INDEX: NP9 NP8 NP12

OUT OF SERVICE OSU

DEP: 04 SEP 83 NEWPORT, OR IN PORT. DRY DOCK PERIOD 10-25 SEP. 35
 ARR: 09 OCT 83 NEWPORT, OR
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH SIEBENALLER NSF

DEP: 10 OCT 83 NEWPORT, OR ORE. COAST
 ARR: 14 OCT 83 NEWPORT, OR BIOCHEMICAL ADAPTATIONS 5
 AREA INDEX: NP9

OUT OF SERVICE OSU

DEP: 15 OCT 83 NEWPORT, OR STAGING 6
 ARR: 20 OCT 83 NEWPORT, OR
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH PAULSON, ET.AL. ONR/NASA

DEP: 21 OCT 83 NEWPORT, OR OFF SOUTHERN CALIFORNIA
 ARR: 18 NOV 83 SAN DIEGO, CA UPPER OCEAN DYNAMICS 29
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH MURRAY, ET.AL. NSF

DEP: 22 NOV 83 SAN DIEGO, CA OFF BAJA CALIFORNIA - DIAGENESIS OF
 ARR: 21 DEC 83 NEWPORT, OR NUTRIENTS & GASES 30
 AREA INDEX: NP9 NP13

OUT OF SERVICE OSU

DEP: 22 DEC 83 NEWPORT, OR HOLIDAY PERIOD. 26
 ARR: 16 JAN 84 NEWPORT, OR
 AREA INDEX: NP9

ENDEAVOR

POINT OF CONTACT INFORMATION

POC: MR JOHN F BASH
 POC OFFICE: ASSISTANT MARINE SUPERINTENDENT
 POC ORGANIZATION: GRADUATE SCHOOL OF OCEANOGRAPHY
 POC ADDRESS: UNIVERSITY OF RHODE ISLAND
 POC CITY/STATE: NARRAGANSETT RI 02882
 COMMERCIAL AREA CODE: 401
 PHONE: 792-6203

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: OCEANUS
 CALL SIGN (INTERNATIONAL): WVFQ
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: NSF
 CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
 FLAG REGISTRY: USA
 HOME PORT: NARRAGANSETT RI
 TECHNICAL SPONSOR: UNIV. OF RHODE ISLAND
 OPERATIONS CONTROL: UNIV. OF RHODE ISLAND
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 6,9783
 SCIENTIFIC COMPLEMENT: 16
 NUMBER OFFICERS: 6
 NUMBER IN CREW: 6
 MAX SEA STATE: 5 BEAUFORT SCALE
 ENDURANCE: 25 DAY(S)
 LIMITING FACTOR: REFRIGERATED STORES
 BUILDER: PETERSON BUILDERS INC
 WHERE BUILT: STURGEON BAY WI USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: 23 JAN 75
 LAUNCH DATE: 06 SEP 75
 DELIVERY DATE: 28 OCT 76
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: 01 DEC 82
 MAINTENANCE CYCLE: 1.0 YEARS
 END OF LIFE: 2001
 UPDATE OF INFORMATION: 15 DEC 82

THOUSAND \$'S

SHIP DIMENSIONS

LENGTH: 177.0 FEET
 MAX BEAM: 33.0 FEET
 HEIGHT: 88.2 FEET
 GROSS TONNAGE: 293
 DISPLACEMENT: 972 TONS
 DRAUGHT: 17.6 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 5540 NAUTICAL MILES
 MAX SPEED: 15.4 KNOTS
 MIN SPEED: 0.1 KNOTS

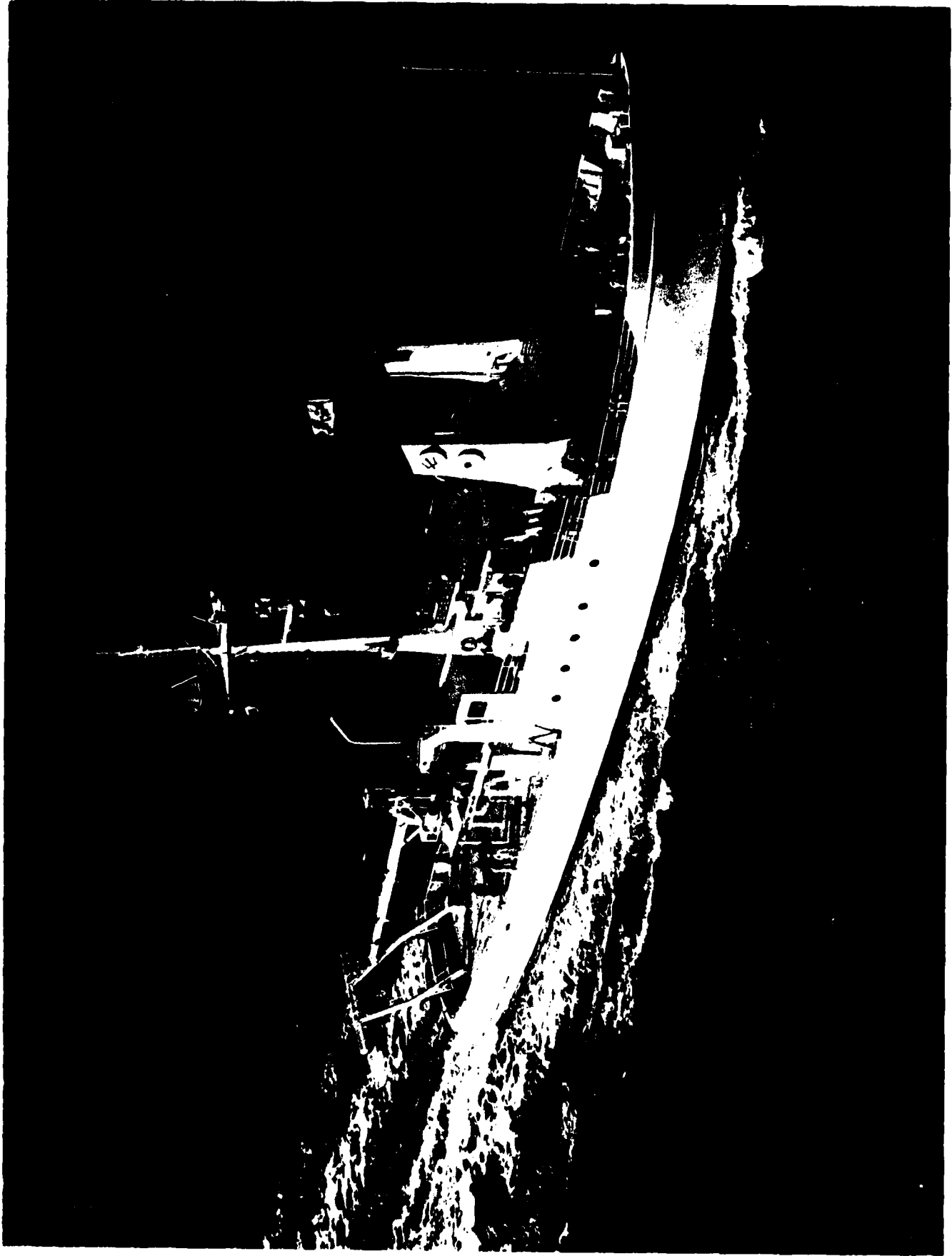
ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	1
FUEL TYPE:	DIESEL 2
BOW THRUSTER:	TRAINABLE WATER JET
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	- FEET
BERTHING VAN DIMENSIONS:	N
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 13 FOOT RUBBER INFLATABLE	
2. 13 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	25000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	18000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	22960 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	28540 FEET
SECONDARY WIRE DIAM:	0.182 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	4
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
SECONDARY WIRE LEN:	12380 FEET
SECONDARY WIRE DIAM:	0.312 INCHES
03. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	26240 FEET
WIRE DIAMETER:	7.630 INCHES
SECONDARY WIRE LEN:	32000 FEET
SECONDARY WIRE DIAM:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NOVA 1220
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	-
NARROW BEAM:	-

SEISMIC PROFILING: Y
SIDE SCAN: -
SOUNDING SYSTEM (SHALLOW): ROSS DS-1000
SOUNDING SYSTEM (DEEP): -



ENDEAVOR

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		UNIV OF RHODE
DEP: 01 DEC 82 NARRAGANSETT	MAINTENANCE	
ARR: 13 JAN 83 NARRAGANSETT		44
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T. ROSSBY	NSF/ONR
DEP: 14 JAN 83 NARRAGANSETT, RI	EN-093. GULF STREAM STUDIES IN THE	
ARR: 23 JAN 83 NARRAGANSETT, RI	VICINITY OF CAPE HATTERAS	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	B. OWENS/J. PRICE	NSF
DEP: 26 JAN 83 NARRAGANSETT, RI	EN-094 TRANSIT TO WHOI	
ARR: 26 JAN 83 WOODS HOLE, MA		0
AREA INDEX: NA6		
DEP: 28 JAN 83 WOODS HOLE, MA	EN-094. EDDY INDUCED DIFFUSION	
ARR: 02 FEB 83 WOODS HOLE, MA	NEAR 34N 70W	5
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	HAMPSON	BLM
DEP: 04 FEB 83 WOODS HOLE, MA	EN-095. GEORGES BANK SAMPLING CURRE	
ARR: 15 FEB 83 NARRAGANSETT, RI	NUTRIENTS, SUSP. SEDIMENTS, BIOL.	11
AREA INDEX: NA6		
OUT OF SERVICE		UNIV OF RHODE
DEP: 16 FEB 83 NARRAGANSETT, RI	MAINTENANCE	
ARR: 11 MAR 83 NARRAGANSETT, RI		23
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	T. ROSSBY	ONR
DEP: 12 MAR 83 NARRAGANSETT, RI	EN-096. GULF STREAM STUDIES IN THE	
ARR: 21 MAR 83 NARRAGANSETT, RI	VICINITY OF CAPE HATTERAS	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	A. DRISCOLL	DOE/NSF
DEP: 24 MAR 83 NARRAGANSETT, RI	EN-097. W. NORTH ATLANTIC--DEEP WATE	
ARR: 29 MAR 83 NARRAGANSETT, RI	TEST OF NEW DEEP SEA WINCH	5
AREA INDEX: NA6		
OUT OF SERVICE		UNIV OF RHODE
DEP: 30 MAR 83 NARRAGANSETT, RI	MAINTENANCE	
ARR: 06 APR 83 NARRAGANSETT, RI		7
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	LARGE/BRISCOE	ONR
DEP: 07 APR 83 NARRAGANSETT, RI	EN-098. CAPE HATTERAS--GULF STREAM	
ARR: 16 APR 83 NARRAGANSETT, RI	STUDIES	9
AREA INDEX: NA6		
OCEANOGRAPHIC RESEARCH	E. LAINE	DOE
DEP: 19 APR 83 NARRAGANSETT, RI	EN-099. CAPE HATTERAS--MODERN	

ARR: 01 MAY 83 NARRAGANSETT, RI SEDIMENTARY DYNAMICS 12
 AREA INDEX: NA6

DEP: 04 MAY 83 NARRAGANSETT, RI EN-099. CAPE HATTERAS--MODERN 3
 ARR: 07 MAY 83 NARRAGANSETT, RI SEDIMENTARY DYNAMICS
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH T. ROSSBY/LEVINE NSF/NUSC

DEP: 11 MAY 83 NARRAGANSETT, RI EN-101. GULF STREAM PEGASUS WORK 13
 ARR: 24 MAY 83 WOODS HOLE, MA
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH RICHARDSON NSF

DEP: 26 MAY 83 WOODS HOLE, MA EN-102. W.NORTH ATLANTIC PHYSICAL 20
 ARR: 15 JUN 83 WOODS HOLE, MA OCEANOGRAPHY
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH UNIV OF RHODE

DEP: 16 JUN 83 WOODS HOLE, MA EN-102. TRANSIT TO NARRAGANSETT 0
 ARR: 16 JUN 83 NARRAGANSETT, RI
 AREA INDEX: NA6

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OUT OF SERVICE UNIV OF RHODE

DEP: 17 JUN 83 NARRAGANSETT, RI MAINTENANCE 5
 ARR: 22 JUN 83 NARRAGANSETT, RI
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH NSF

DEP: 22 JUN 83 NARRAGANSETT, RI EN-103. TRANSIT TO ICELAND 7
 ARR: 29 JUN 83 REYKJAVIK, IC
 AREA INDEX: NA6 NA4 NA5

OCEANOGRAPHIC RESEARCH E. SWIFT NSF/ONR

DEP: 01 JUL 83 REYKJAVIK, IC EN-104. NORTH ATLANTIC--NORTHERN 15
 ARR: 16 JUL 83 REYKJAVIK, IC LATITUDE BIOLUMINESCENCE
 AREA INDEX: NA5 NA1

DEP: 19 JUL 83 REYKJAVIK, IC EN-104. NORTH ATLANTIC--NORTHERN 15
 ARR: 03 AUG 83 NARRAGANSETT, RI LATITUDE BIOLUMINESCENCE
 AREA INDEX: NA5 NA1 NA4 NA6

OCEANOGRAPHIC RESEARCH L. MAYER/R. DETRICK ONR

DEP: 08 AUG 83 NARRAGANSETT, RI EN-105. W.NORTH ATLANTIC--SEISMIC 13
 ARR: 21 AUG 83 NARRAGANSETT, RI INTERCALIBRATION EQUIPMENT
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH E. LAINE DOE

DEP: 24 AUG 83 NARRAGANSETT, RI EN-106. CAPE HATTERAS--MODERN 12
 ARR: 05 SEP 83 NARRAGANSETT, RI SEDIMENTARY DYNAMICS
 AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH R. WATTS NSF

DEP: 08 SEP 83 NARRAGANSETT, RI EN-107. CAPE HATTERAS--GULF STREAM 10
 ARR: 18 SEP 83 NARRAGANSETT, RI DYNAMICS
 AREA INDEX: NA6

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OUT OF SERVICE UNIV OF RHODE

DEP: 19 SEP 83 NARRAGANSETT, RI MAINTENANCE (OVERHAUL) 19
 ARR: 08 OCT 83 NARRAGANSETT, RI
 AREA INDEX: NA6

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OCEANOGRAPHIC RESEARCH		UNIV OF RHODE
DEP: 09 OCT 83 NARRAGANSETT, RI	EN-108. TRANSIT TO RODMAN, CANAL	20
ARR: 17 OCT 83 RODMAN, CZ		8
AREA INDEX: NA6 NA9 NP13		
OCEANOGRAPHIC RESEARCH.....E. BOYLE.....		ONR
DEP: 19 OCT 83 RODMAN, CZ	EN-109. PANAMA BASIN--CHEMICAL PROF	
ARR: 20 OCT 83 RODMAN, CZ	TO DISCOVER COPPER SOURCE	1
AREA INDEX: NP9 NP13		
OCEANOGRAPHIC RESEARCH.....R. SMITH.....		NSF
DEP: 22 OCT 83 RODMAN, CZ	EN-110. PERU UPWELLING--VARIABILITY	
ARR: 11 NOV 83 CALLAO, PERU	EASTERN EQUATORIAL BOUNDARY	20
AREA INDEX: NA9 NP13 SP3A		
OCEANOGRAPHIC RESEARCH.....R. BARBER.....		NSF
DEP: 14 NOV 83 CALLAO, PERU	EN-111. GALAPAGOS--MEIODIONAL	
ARR: 04 DEC 83 CALLAO, PERU	SECTION AT 95W	20
AREA INDEX: SP3A SP3		
OCEANOGRAPHIC RESEARCH.....D. KESTER.....		ONR
DEP: 07 DEC 83 CALLAO, PERU	EN-112. PERU UPWELLING--CONTIN. MEASU	
ARR: 22 DEC 83 VALPARAISO, CH	TRACE METALS IN ACTIVE FRONTS	15
AREA INDEX: SP3A SP6A		
OUT OF SERVICE.....		UNIV OF RHODE
DEP: 23 DEC 83 VALPARAISO, CH	MAINTENANCE	
ARR: 31 DEC 83 VALPARAISO, CH		8
AREA INDEX: SP6A		

MELVILLE

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS
POC OFFICE: MARINE SUPERINTENDENT
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY
POC ADDRESS: MARINE FACILITIES DIV., P-005
POC CITY/STATE: LA JOLLA CA 92093
FTS PREFIX: 619
COMMERCIAL AREA CODE: 619
PHONE: 294-3675

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 14
CLASS: MELVILLE/AGOR 14
CALL SIGN (INTERNATIONAL): WECB
FLEET: UMOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: USN
CERTIFICATION AUTHORITY: US COAST GUARD-ABS
FLAG REGISTRY: USA
HOME PORT: SAN DIEGO CA
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 25 AUG 86 CON
NO0014-69-C-0242
OPERATING COST/DAY: 11.0/83 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 29
NUMBER OFFICERS: 9
NUMBER IN CREW: 14
MAX SEA STATE: 4 BEAUFORT SCALE
ENDURANCE: 41 DAY(S)
LIMITING FACTOR: FUEL
BUILDER: DEFOE SHIPBUILDING COMPANY
WHERE BUILT: BAY CITY MI USA
INITIAL COST: 6.0/69 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: 12 JUL 67
LAUNCH DATE: 10 JUL 68
DELIVERY DATE: 01 SEP 69
COMMISSION DATE: 27 AUG 67
CONVERSION DATE: -
LAST OVERHAUL: 01 JUL 82
MAINTENANCE CYCLE: 2.0 YEARS
END OF LIFE: 1999
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

LENGTH: 244.8 FEET
MAX BEAM: 46.0 FEET
HEIGHT: 112.0 FEET
GROSS TONNAGE: 1806
DISPLACEMENT: 2075 TONS
DRAUGHT: 16.4 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 9000 NAUTICAL MILES
MAX SPEED: 11.5 KNOTS
MIN SPEED: 0.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	CYCLOIDAL PROP
AUXILIARY PROPULSION:	CYCLOIDAL PROP FWD
NUMBER OF SHAFTS:	2
FUEL TYPE:	1 DIESEL/2 DIESEL
BOW THRUSTER:	NO, CYCLOIDAL PROP FWD
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELD SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	40000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	36000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DEEP SEA
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	45000 FEET
WIRE DIAMETER:	0.563 INCHES
SECONDARY WIRE LEN:	45000 FEET
SECONDARY WIRE DIAM:	0.680 INCHES
02. MAJOR TYPE/USE:	TOWING
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	2.000 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.225 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	IBM 1800
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y

SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	EDO,GIFFT



MELVILLE

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH JORDAN, ORCUTT, MENARD SCRIPPS
 DEP: 09 JAN 83 HONOLULU, HI BENTHIC LEG 4. BOTTOM SEISMOGRAPH W
 ARR: 16 FEB 83 HONOLULU, HI WITH D/V GLOMAR CHALLENGER 38
 AREA INDEX: NP12

OCEANOGRAPHIC RESEARCH ERIKSEN, RICHMAN SCRIPPS
 DEP: 19 FEB 83 HONOLULU, HI BENTHIC LEG 5. RECOVER CURRENT METE
 ARR: 12 MAR 83 PAPEETE MOORINGS 21
 AREA INDEX: NP12 SP2

OCEANOGRAPHIC RESEARCH JORDAN, ORCUTT, MENARD SCRIPPS
 DEP: 17 MAR 83 PAPEETE BENTHIC LEG 6. RECOVER SEISMOGRAPH M
 ARR: 05 APR 83 PAPEETE INGS, SEAMOUNT SURVEYS 19
 AREA INDEX: SP2

OCEANOGRAPHIC RESEARCH CRAIG, OSTLUND SCRIPPS
 DEP: 08 APR 83 PAPEETE BENTHIC LEG 7. ARGON-39 SAMPLES
 ARR: 11 MAY 83 SAN DIEGO, CA MEHETIA SEAMOUNT 33
 AREA INDEX: SP2 NP12 NP9

OCEANOGRAPHIC RESEARCH SPIESS SCRIPPS
 DEP: 31 MAY 83 SAN DIEGO, CA DEEPTOW
 ARR: 24 JUN 83 SAN DIEGO, CA 24
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH WEISS SCRIPPS
 DEP: 10 AUG 83 SAN DIEGO, CA MANOP-LANDER DEPLOYMENT
 ARR: 12 AUG 83 SAN DIEGO, CA SAN CLEMENTE BASIN 2
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH MANOP-LANDER DEPLOYMENT
 DEP: 17 AUG 83 SAN DIEGO, CA SAN CLEMENTE BASIN 2
 ARR: 19 AUG 83 SAN DIEGO, CA
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH MACDONALD SCRIPPS
 DEP: 07 SEP 83 SAN DIEGO, CA LEG 1. SEISMICITY & MAGNETICS DEEP T
 ARR: 23 OCT 83 VALPARAISO, CH EASTER ISLAND 14-15 OCT. 46
 AREA INDEX: NP9 NP13 SP3 SP3A SP6A

OCEANOGRAPHIC RESEARCH SCRIPPS
 DEP: 28 OCT 83 VALPARAISO, CH LEG 2. ICE EDGE PROGRAM
 ARR: 03 NOV 83 PUNTA ARENAS, CH 6
 AREA INDEX: SP6A SP9A AN9

OCEANOGRAPHIC RESEARCH LEG 2. ICE EDGE PROGRAM
 DEP: 04 NOV 83 PUNTA ARENAS, CH 31
 ARR: 05 DEC 83 PUNTA ARENAS, CH
 AREA INDEX: SP9A AN9

OCEANOGRAPHIC RESEARCH LEG 3. SCOTIA ARC PROGRAM
 DEP: 09 DEC 83 PUNTA ARENAS, CH 31
 ARR: 09 JAN 84 PUNTA ARENAS, CH
 AREA INDEX: SP9A AN9 SA5A

NEW HORIZON

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS
 POC OFFICE: MARINE SUPERINTENDENT
 POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY
 POC ADDRESS: MARINE FACILITIES DIV., P-005
 POC CITY/STATE: LA JOLLA CA 92093
 FTS PREFIX: 619
 COMMERCIAL AREA CODE: 619
 PHONE: 294-3675

ADMINISTRATIVE DETAILS

SHORT NAME: HOPIZON
 DESIGNATOR: RV
 CLASS: COLUMBUS ISELIN
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEANOGRAPHIC RESEARCH-GENERAL
 SHIP OWNER: UNIV. OF CALIFORNIA
 CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
 FLAG REGISTRY: USA
 HOME PORT: SAN DIEGO CA
 TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO
 OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 7.0/83 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 15
 NUMBER OFFICERS: 4
 NUMBER IN CREW: 8
 MAX SEA STATE: 5 BEAUFORT SCALE
 ENDURANCE: 24 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: ATLANTIC MARINE INC
 WHERE BUILT: FORT GEORGE ISLAND FL USA
 INITIAL COST: 4.2/78 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: 07 OCT 77
 LAUNCH DATE: 04 MAR 78
 DELIVERY DATE: 24 OCT 78
 COMMISSION DATE: 25 JAN 79
 CONVERSION DATE: -
 LAST OVERHAUL: 01 JAN 83
 MAINTENANCE CYCLE: 3.0 YEARS
 END OF LIFE: 2005
 UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

LENGTH: 170.0 FEET
 MAX BEAM: 36.0 FEET
 HEIGHT: 72.0 FEET
 GROSS TONNAGE: 267
 DISPLACEMENT: 598 TONS
 DRAUGHT: 12.0 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 6000 NAUTICAL MILES
 MAX SPEED: 12.5 KNOTS
 MIN SPEED: 0.5 KNOTS

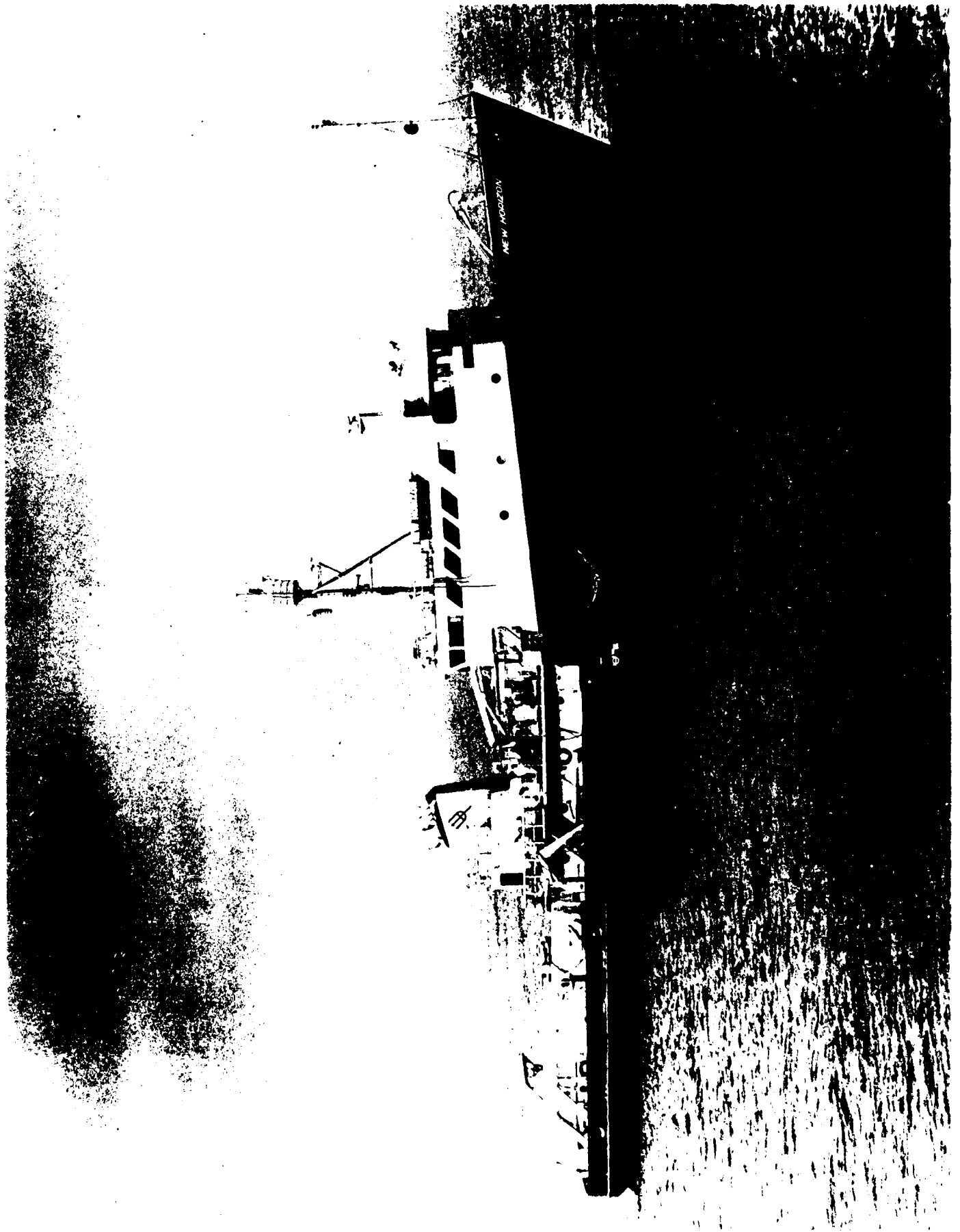
ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	SCHOTTEL TRAINABLE PROP
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X14
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	32000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.322 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.225 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	HP FOR SAT NAVIGATION
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y

STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL
SOUNDING SYSTEM (DEEP):	EDO



NEW HORIZON

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 24 DEC 82 SAN DIEGO, CA UPKEEP
ARR: 28 FEB 83 SAN DIEGO, CA 67
AREA INDEX: NP9

OPEN SCRIPPS

DEP: 01 MAR 83 SAN DIEGO, CA OPEN 12
ARR: 13 MAR 83 SAN DIEGO, CA
AREA INDEX: OPEN

OCEANOGRAPHIC RESEARCH DUGDALE SCRIPPS

DEP: 14 MAR 83 SAN DIEGO, CA FIELD EFFORT OF OPUS PROJECT IN ARE 5
ARR: 19 MAR 83 SAN DIEGO, CA PT. CONCEPTION, CA
AREA INDEX: NP9

DEP: 01 APR 83 SAN DIEGO, CA FIELD EFFORT OF OPUS PROJECT IN ARE 41
ARR: 12 MAY 83 SAN DIEGO, CA PT. CONCEPTION, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH WILLIAMS, BEERS, ET AL SCRIPPS

DEP: 16 MAY 83 SAN DIEGO, CA DEPLOYMENT OF CURRENT METERS 10
ARR: 26 MAY 83 SAN DIEGO, CA MICROBIOLOGY
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH K SMITH SCRIPPS

DEP: 31 MAY 83 SAN DIEGO, CA BENTHIC BOUNDARY LAYER STUDIES 20
ARR: 20 JUN 83 SAN DIEGO, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CHILDRESS SCRIPPS

DEP: 23 JUN 83 SAN DIEGO, CA PHYSIOLOGIC STUDY ON ANIMALS CAUGHT 17
ARR: 10 JUL 83 SAN DIEGO, CA EPIBENTHIC BEAM & MIDWAT. TRAWL
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH LONSDALE SCRIPPS

DEP: 15 JUL 83 SAN DIEGO, CA DEEP TOW STUDIES OF SEAMOUNTS 13
ARR: 28 JUL 83 SAN DIEGO, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH ROBISON SCRIPPS

DEP: 02 AUG 83 SAN DIEGO, CA WASP PROGRAM. DEPLOY ONE MAN SUBMER 34
ARR: 05 SEP 83 SAN DIEGO, CA FOR MIDWATER BIOLOGICAL STUDY
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH COX SCRIPPS

DEP: 12 SEP 83 SAN DIEGO, CA ELECTROMAGNETIC SOUNDING OF OCEAN 20
ARR: 02 OCT 83 HONOLULU, HI
AREA INDEX: NP9 NP12

OCEANOGRAPHIC RESEARCH K SMITH, LANGE SCRIPPS

DEP: 05 OCT 83 HONOLULU, HI BENTHIC BOUNDARY LAYER, TOW OF VIDE

ARR: 09 NOV 83 SAN DIEGO, CA	CTA SYSTEM	35
AREA INDEX: NP12 NP9		
.....		
OCEANOGRAPHIC RESEARCH	P WILLIAMS	SCRIPPS
DEP: 13 NOV 83 SAN DIEGO, CA	CHEMICAL, MICROBIOLOGICAL & PHYSICA	
ARR: 23 NOV 83 SAN DIEGO, CA	STUDIES OF SEA-SURFACE FILMS	10
AREA INDEX: NP9		
.....		
OCEANOGRAPHIC RESEARCH		SCRIPPS
DEP: 29 NOV 83 SAN DIEGO, CA	CALCOFI	
ARR: 22 DEC 83 SAN DIEGO, CA		23
AREA INDEX: NP9		

ELLEN B SCRIPPS

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS
POC OFFICE: MARINE SUPERINTENDENT
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY
POC ADDRESS: MARINE FACILITIES DIV., P-005
POC CITY/STATE: LA JOLLA CA 92093
FTS PREFIX: 619
COMMERCIAL AREA CODE: 619
PHONE: 294-3675

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: SCRIPPS / EB SCRIPPS
DESIGNATOR: RV
CLASS: OFFSHORE OIL RIG SUPPLY
CALL SIGN (INTERNATIONAL): WEMN
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: UNIV. OF CALIFORNIA
CERTIFICATION AUTHORITY: -
FLAG REGISTRY: USA
HOME PORT: SAN DIEGO CA
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO
CONTRACTUAL INFORMATION: NONE
OPERATING COST/DAY: 2.5/83 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 8
NUMBER OFFICERS: 1
NUMBER IN CREW: 4
MAX SEA STATE: 4 BEAUFORT SCALE
ENDURANCE: 14 DAY(S)
LIMITING FACTOR: HABITABILITY
BUILDER: HALTER MARINE SERVICES INC
WHERE BUILT: NEW ORLEANS LA USA
INITIAL COST: .25/65 MILLION \$'S IN YEAR
DUE DATE: -
KEEL DATE: '64
LAUNCH DATE: '65
DELIVERY DATE: '65
COMMISSION DATE: '65
CONVERSION DATE: -
LAST OVERHAUL: 01 DEC 82
MAINTENANCE CYCLE: 5.0 YEARS
END OF LIFE: 1992
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

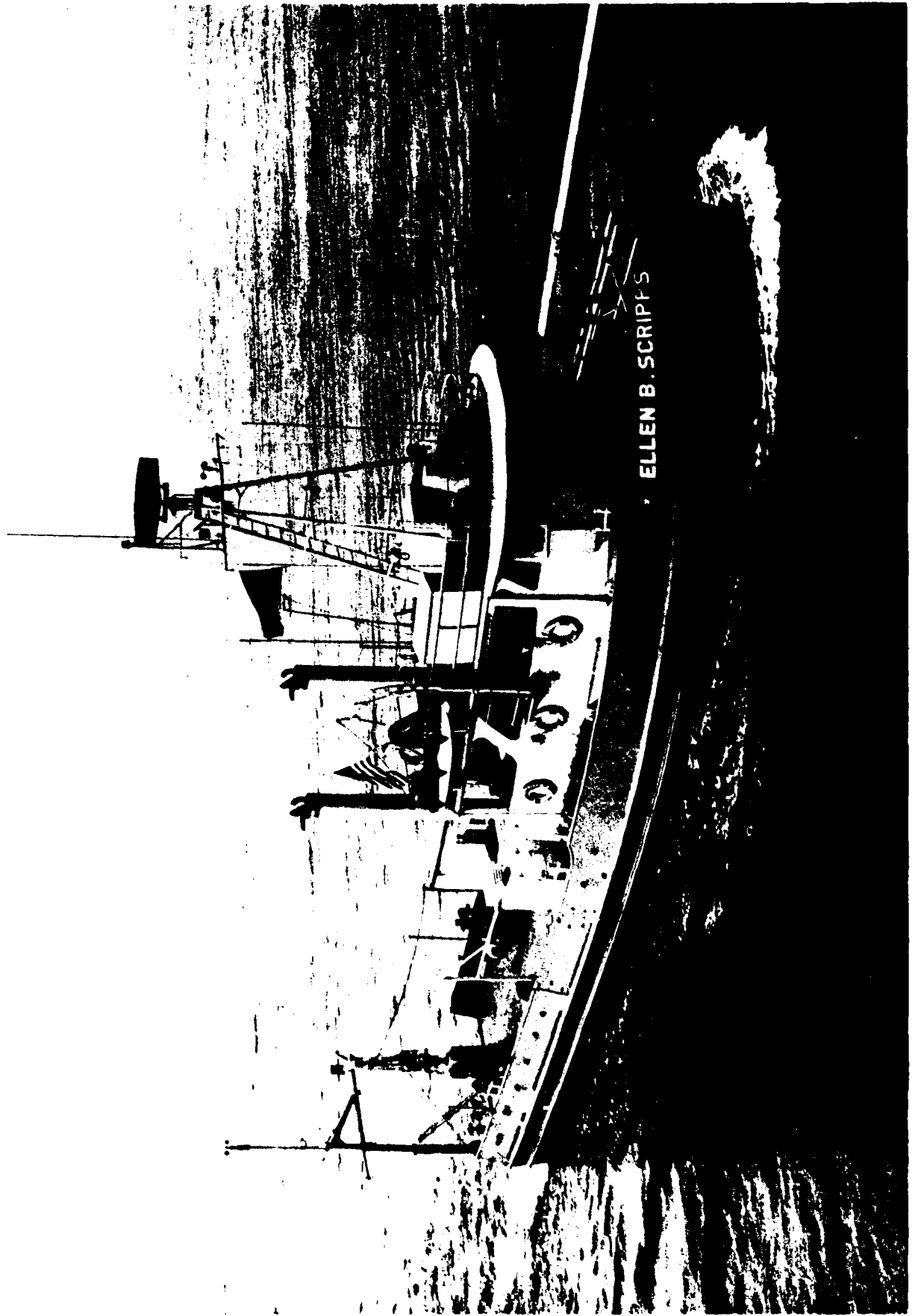
LENGTH: 95.0 FEET
MAX BEAM: 24.0 FEET
HEIGHT: - FEET
GROSS TONNAGE: 115
DISPLACEMENT: 234 TONS
DRAUGHT: 6.0 FEET
CRUISE SPEED: 9.0 KNOTS
RANGE: 6480 NAUTICAL MILES
MAX SPEED: 9.5 KNOTS
MIN SPEED: 2.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	14000 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	16000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	10000 FEET
WIRE DIAMETER:	0.320 INCHES
04. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.260 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	GIFFT



ELLEN B SCRIPPS

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	C SMITH	SCRIPPS
DEP: 17 JAN 83 SAN DIEGO, CA	DEPLOYMENT OF DEEP-SEA TIME-LAPSE	
ARR: 18 JAN 83 SAN DIEGO, CA	CAMERA SYSTEM	1
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS
DEP: 25 JAN 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX	
ARR: 28 JAN 83 SAN DIEGO, CA		3
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	C SMITH	SCRIPPS
DEP: 22 FEB 83 SAN DIEGO, CA	RECOVERY OF DEEP-SEA TIME-LAPSE	
ARR: 23 FEB 83 SAN DIEGO, CA	CAMERA SYSTEM	1
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	DFXTER	SCRIPPS
DEP: 25 FEB 83 SAN DIEGO, CA	STUDENT CRUISE	
ARR: 25 FEB 83 SAN DIEGO, CA		0
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	STEVENS	SCRIPPS
DEP: 20 MAR 83 SAN DIEGO, CA	WORK WITH D/V GLOMAR CHALLENGER AT	
ARR: 30 APR 83 PUNTARENAS, CR	COST RICA RIFT	41
AREA INDEX: NP9 NP13		
OCEANOGRAPHIC RESEARCH	COX	SCRIPPS
DEP: 09 MAY 83 PUNTARENAS, CR	TEST CONTROLLED EM SOURCE EQUIPMENT	
ARR: 14 MAY 83 SAN DIEGO, CA		5
AREA INDEX: NP13 NP9		
OCEANOGRAPHIC RESEARCH	BEERS	SCRIPPS
DEP: 16 MAY 83 SAN DIEGO, CA	MICRO & MESO-SCALE STUDIES OF PLANK	
ARR: 22 MAY 83 SAN DIEGO, CA	CILIATE DISTRIBUTION	6
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	K SMITH	SCRIPPS
DEP: 24 MAY 83 SAN DIEGO, CA	BENTHIC BOUNDARY LAYER ENERGETICS	
ARR: 28 MAY 83 SAN DIEGO, CA		4
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS
DEP: 02 JUN 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX	
ARR: 02 JUN 83 SAN DIEGO, CA		0
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	LEBOEUF	SCRIPPS
DEP: 09 JUN 83 SAN DIEGO, CA	MARINE MAMMAL TAGS & STUDIES OFF BA	
ARR: 09 JUL 83 LA PAZ, MX	CALIFORNIA ISLANDS	30
AREA INDEX: NP9 NP13		
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS

DEP: 14 JUL 83 LA PAZ, MX	MICROBIOLOGY, PARTICULATE FLUX	1
ARR: 15 JUL 83 SAN DIEGO, CA		
AREA INDEX: NP13 NP9		
OCEANOGRAPHIC RESEARCH	DORMAN	SCRIPPS
DEP: 25 JUL 83 SAN DIEGO, CA	OBS	4
ARR: 29 JUL 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	WILLIAMS	SCRIPPS
DEP: 04 AUG 83 SAN DIEGO, CA	PICKUP DEPLOYMENT	1
ARR: 05 AUG 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	AZAM	SCRIPPS
DEP: 09 AUG 83 SAN DIEGO, CA	MICROBIOLOGY, PARTICULATE FLUX	1
ARR: 10 AUG 83 SAN DIEGO, CA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	DORMAN	SCRIPPS
DEP: 29 AUG 83 SAN DIEGO, CA	OBS	4
ARR: 02 SEP 83 SAN DIEGO, CA		
AREA INDEX: NP9		

THOMAS WASHINGTON

POINT OF CONTACT INFORMATION

POC: CAPT JAMES WILLIAMS
POC OFFICE: MARINE SUPERINTENDENT
POC ORGANIZATION: SCRIPPS INSTITUTION OF OCEANOGRAPHY
POC ADDRESS: MARINE FACILITIES DIV., P-005
POC CITY/STATE: LA JOLLA CA 92093
FTS PREFIX: 619
COMMERCIAL AREA CODE: 619
PHONE: 294-3675

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: WASHINGTON
DESIGNATOR: AGOR 10
CLASS: ROBERT D CONRAD/AGOR 3
CALL SIGN (INTERNATIONAL): KGWU
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: USN
CERTIFICATION AUTHORITY: US COAST GUARD-ABS
FLAG REGISTRY: USA
HOME PORT: SAN DIEGO CA
TECHNICAL SPONSOR: UNIV. OF CALIFORNIA SAN DIEGO
OPERATIONS CONTROL: UNIV. OF CALIFORNIA SAN DIEGO
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 28 SEP 85 CON
N00014-77-L-0010
OPERATING COST/DAY: 12.0/83 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 17
NUMBER OFFICERS: 6
NUMBER IN CREW: 2
MAX SEA STATE: 6 BEAUFORT SCALE
ENDURANCE: 42 DAY(S)
LIMITING FACTOR: FUEL
BUILDER: MARINETTE MARINE CORPORATION
WHERE BUILT: MARINETTE WI USA
INITIAL COST: -
DUE DATE: -
KEEL DATE: 12 SEP 63
LAUNCH DATE: 01 AUG 64
DELIVERY DATE: 17 SEP 65
COMMISSION DATE: 65
CONVERSION DATE: -
LAST OVERHAUL: 15 NOV 82
MAINTENANCE CYCLE: 2.0 YEARS
END OF LIFE: 1995
UPDATE OF INFORMATION: 24 NOV 82

SHIP DIMENSIONS

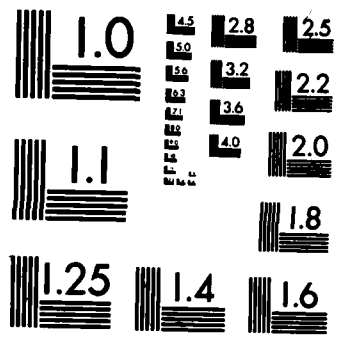
LENGTH: 209.0 FEET
MAX BEAM: 39.5 FEET
HEIGHT: 78.0 FEET
GROSS TONNAGE: 1151
DISPLACEMENT: 1362 TONS
DRAUGHT: 14.5 FEET
CRUISE SPEED: 11.5 KNOTS
RANGE: 8700 NAUTICAL MILES
MAX SPEED: 13.2 KNOTS
MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	DIESEL
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 14 FOOT RUBBER INFLATABLE	
2. 4 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	40000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	12000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	DEEP SEA
SECONDARY TYPE/USE:	OCEANOGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	45000 FEET
WIRE DIAMETER:	0.563 INCHES
SECONDARY WIRE LEN:	45000 FEET
SECONDARY WIRE DIAM:	0.680 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	STD
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.250 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.255 INCHES
03. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	HYDROGRAPHIC
SLIP-RINGS:	1
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0.225 INCHES
SECONDARY WIRE LEN:	25000 FEET
SECONDARY WIRE DIAM:	0.250 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	IBM 1800
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	Y
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	Y
NARROW BEAM:	Y



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SEISMIC PROFILING: Y
SIDE SCAN: N
SOUNDING SYSTEM (SHALLOW): RAYTHEON
SOUNDING SYSTEM (DEEP): SEABEAM, EDO



THOMAS WASHINGTON

LAST CHANGED 10 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH FOX, RYAN, FORNARI SCRIPPS
DEP: 04 JAN 83 SAN DIEGO, CA PASCUA LEG 1. USE SEABEAM & SEAMARC
ARR: 01 FEB 83 MANZANILLO, MX 28
AREA INDEX: NP9 NP13

OCEANOGRAPHIC RESEARCH FOX, REA SCRIPPS
DEP: 05 FEB 83 MANZANILLO, MX PASCUA LEG 2. SEABEAM TO DEFINE TEC
ARR: 27 FEB 83 EASTER ISLAND FABRIC AT GARRETT TRANSFORM 22
AREA INDEX: NP13 SP3

OCEANOGRAPHIC RESEARCH CRAIG SCRIPPS
DEP: 03 MAR 83 EASTER ISLAND PASCUA LEG 3. HYDROTHERMAL VENT, SEAB
ARR: 29 MAR 83 EASTER ISLAND PLUME STUDIES, MEHETIA SEAMOUNT 26
AREA INDEX: SP3

OCEANOGRAPHIC RESEARCH HEY SCRIPPS
DEP: 02 APR 83 EASTER ISLAND PASCUA LEG 4. SEABEAM & MAGNETIC SUR
ARR: 30 APR 83 CALLAO, PERU 28
AREA INDEX: SP3A SP3A

OCEANOGRAPHIC RESEARCH SCRIPPS
DEP: 04 MAY 83 CALLAO, PERU PASCUA LEG 6. TRANSIT
ARR: 19 MAY 83 SAN DIEGO, CA 15
AREA INDEX: SP3A NP13 NP9

OCEANOGRAPHIC RESEARCH LONSDALE SCRIPPS
DEP: 27 JUN 83 SAN DIEGO, CA SEAMOUNT SURVEYS
ARR: 06 JUL 83 SAN DIEGO, CA 9
AREA INDEX: NP9

OUT OF SERVICE SCRIPPS
DEP: 07 JUL 83 SAN DIEGO, CA YARD FOR MIDLIFE REFIT
ARR: 31 DEC 83 SAN DIEGO, CA 177
AREA INDEX: NP9

BLUE FIN

POINT OF CONTACT INFORMATION

POC: MR LEE H KNIGHT
POC OFFICE: -
POC ORGANIZATION: SKIDAWAY INSTITUTE OF OCEANOGRAPHY
POC ADDRESS: PO BOX 13687
POC CITY/STATE: SAVANNAH GA 31406
FTS PREFIX: 912
COMMERCIAL AREA CODE: 912
PHONE: 356-2486

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: FIN
DESIGNATOR: RV
CLASS: TRAWLER YACHT
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: -
SHIP OWNER: UNIVERSITY SYSTEM OF GEORGIA
CERTIFICATION AUTHORITY: US COAST GUARD
FLAG REGISTRY: USA
HOME PORT: SAVANNAH GA
TECHNICAL SPONSOR: U SKIDAWAY INSTITUTE OF OCEANOGRAPHY
OPERATIONS CONTROL: SKIDAWAY INST. OF OCEANOGRAPHY
CONTRACTUAL INFORMATION: NONE
OPERATING COST/DAY: 0.7780 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 8
NUMBER OFFICERS: 2
NUMBER IN CREW: 3
MAX SEA STATE: 4 BEAUFORT SCALE
ENDURANCE: 12 DAY(S)
LIMITING FACTOR: WATER-ACCOMMODATIONS
BUILDER: XNIDIES
WHERE BUILT: ST.AUGUSTINE FL USA
INITIAL COST: -
DUE DATE: -
KEEL DATE: -
LAUNCH DATE: -72
DELIVERY DATE: -72
COMMISSION DATE: -
CONVERSION DATE: -75
LAST OVERHAUL: -81
MAINTENANCE CYCLE: - YEARS
END OF LIFE: 1995
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 72.0 FEET
MAX BEAM: 20.0 FEET
HEIGHT: 60.0 FEET
GROSS TONNAGE: -
DISPLACEMENT: 86 TONS
DRAUGHT: 8.5 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 3000 NAUTICAL MILES
MAX SPEED: 10.0 KNOTS
MIN SPEED: 0.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	Y
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	OTHER
SLIP-RINGS:	6
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2700 FEET
WIRE DIAMETER:	0.219 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	600 FEET
WIRE DIAMETER:	0.500 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	5000 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	600 FEET
WIRE DIAMETER:	0.562 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON
SOUNDING SYSTEM (DEEP):	SIMRAD

BLUE FIN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

SKIDAWAY INSTI

DEP: 01 JAN 83 SAVANNAH GA
ARR: 31 DEC 83 SAVANNAH, GA
AREA INDEX: NA6 NA9

FREQUENT CRUISES IN COASTAL NC, SC, GA
CALL POC FOR DETAILS 385

VELERO IV

POINT OF CONTACT INFORMATION

POC: MR DON NEUMAN
 POC OFFICE: MANAGER MARINE SUPPORT FACILITY
 POC ORGANIZATION: INST. FOR MARINE AND COASTAL STUDIES
 POC ADDRESS: UNIV. OF SOUTHERN CALIFORNIA
 POC CITY/STATE: LOS ANGELES CA 90089
 FTS PREFIX: 213
 COMMERCIAL AREA CODE: 213
 PHONE: 743-6977

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: VELERO
 DESIGNATOR: RV
 CLASS: TUNA CLIPPER
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: UNIV. OF SOUTHERN CALIFORNIA
 CERTIFICATION AUTHORITY: US COAST GUARD
 FLAG REGISTRY: USA
 HOME PORT: WILMINGTON CA
 TECHNICAL SPONSOR: U UNIV. OF SOUTHERN CALIFORNIA
 OPERATIONS CONTROL: UNIV. OF SOUTHERN CALIFORNIA
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 4.8781 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 12
 NUMBER OFFICERS: 5
 NUMBER IN CREW: 6
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 18 DAY(S)
 LIMITING FACTOR: WATER STORAGE
 BUILDER: NATIONAL IRON WORKS
 WHERE BUILT: SAN DIEGO CA USA
 INITIAL COST: 1.0/48 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: -48
 DELIVERY DATE: -48
 COMMISSION DATE: -48
 CONVERSION DATE: -72
 LAST OVERHAUL: 15 JAN 80
 MAINTENANCE CYCLE: 1.5 YEARS
 END OF LIFE: 1988
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

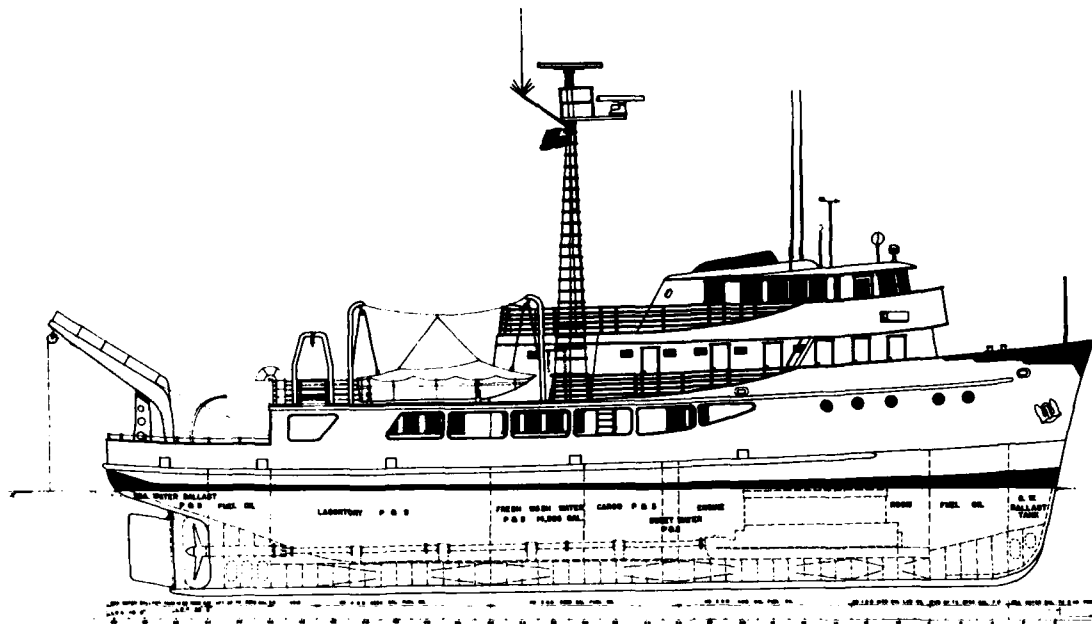
LENGTH: 110.0 FEET
 MAX BEAM: 27.0 FEET
 HEIGHT: 55.0 FEET
 GROSS TONNAGE: 202
 DISPLACEMENT: 650 TONS
 DRAUGHT: 13.2 FEET
 CRUISE SPEED: 9.5 KNOTS
 RANGE: 11500 NAUTICAL MILES
 MAX SPEED: 10.5 KNOTS
 MIN SPEED: 2.3 KNOTS

ENGINEERING/DECK EQUIPMENT

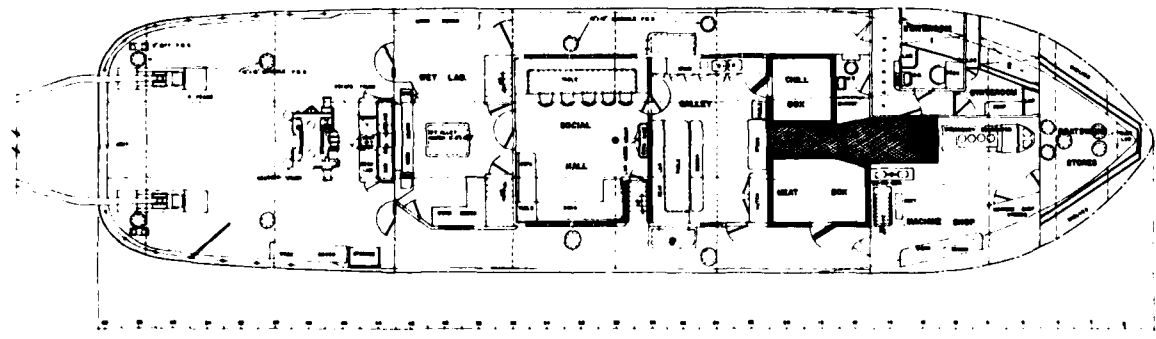
MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	1500 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	9X7X7
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 18 FOOT SURVEY LAUNCH	
2. 0 FOOT SURVEY LAUNCH	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF CRANES:	0
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	18000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONICS 4051
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	KONEL
SOUNDING SYSTEM (DEEP):	EDO



PROFILE



MAIN DECK

VELERO IV

LAST CHANGED 02 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

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OPEN .....
DEP: 03 JAN 83 WILMINGTON, CA      OPEN
ARR: 11 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN                                     62
OCE 8110154R ..... DR CHILDRESS ..... USC
DEP: 14 MAR 83 WILMINGTON, CA      OCE 8110154R SAN CLEMENTE BASIN
ARR: 18 MAR 83 WILMINGTON, CA
AREA INDEX: NP9                                     5
OCE 8024259 ..... DR CHILDRESS ..... USC
DEP: 21 MAR 83 WILMINGTON, CA      OCE 8024259
ARR: 25 MAR 83 WILMINGTON, CA
AREA INDEX: NP9                                     5
OCE 8208181 ..... DR HENYEV ..... USC
DEP: 28 MAR 83 WILMINGTON, CA      OCE 8208181
ARR: 30 MAR 83 WILMINGTON, CA
AREA INDEX: NP9                                     3
OPEN .....
DEP: 31 MAR 83 WILMINGTON, CA      OPEN
ARR: 31 MAR 83 WILMINGTON, CA
AREA INDEX: OPEN                                     1
OPUS ..... DR DUGDALE ..... USC
DEP: 01 APR 83 WILMINGTON, CA      OPUS (OCE T.B.D.)
ARR: 13 MAY 83 WILMINGTON, CA      IN PORT ON WEEKENDS
AREA INDEX: NP9                                     43
OCE 8208187 ..... DR PREZELIN ..... USC
DEP: 16 MAY 83 WILMINGTON, CA      OCE 8208187 SANTA BARBARA BASIN
ARR: 27 MAY 83 WILMINGTON, CA
AREA INDEX: NP9                                     12
OCE 8209249 ..... DR HAMMOND ..... USC
DEP: 30 MAY 83 WILMINGTON, CA      OCE 8209249 SO. CAL. BORDERLAND
ARR: 10 JUN 83 WILMINGTON, CA
AREA INDEX: NP9                                     12
OCE 7924975R ..... DR PIEPER ..... USC
DEP: 13 JUN 83 WILMINGTON, CA      OCE 7924975R SO. CAL. BASINS
ARR: 17 JUN 83 WILMINGTON, CA
AREA INDEX: NP9                                     5
OPEN .....
DEP: 20 JUN 83 WILMINGTON, CA      OPEN
ARR: 15 JUL 83 WILMINGTON, CA
AREA INDEX: OPEN                                     26
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OCE 8208187	DR PREZELIN	USC	
DEP: 18 JUL 83 WILMINGTON, CA	OCE 8208187 SANTA BARBARA BASIN		10
ARR: 27 JUL 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208181	DR HENYEV	USC	
DEP: 28 JUL 83 WILMINGTON, CA	OCE 8208181		2
ARR: 29 JUL 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8110154	DR CHILDRESS	USC	
DEP: 01 AUG 83 WILMINGTON, CA	OCE 8110154 GUADALUPE ISL.		12
ARR: 12 AUG 83 WILMINGTON, CA			
AREA INDEX: NP9			
OPEN			
DEP: 15 AUG 83 WILMINGTON, CA	OPEN		12
ARR: 26 AUG 83 WILMINGTON, CA			
AREA INDEX: OPEN			
OCE 8024259R	DR CHILDRESS	USC	
DEP: 29 AUG 83 WILMINGTON, CA	OCE 8024259R		4
ARR: 02 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208187	DR PREZELIN	USC	
DEP: 05 SEP 83 WILMINGTON, CA	OCE 8208187 SANTA BARBARA BASIN		12
ARR: 16 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OCE 8208181	DR HENYEV	USC	
DEP: 19 SEP 83 WILMINGTON, CA	OCE 8208181		2
ARR: 20 SEP 83 WILMINGTON, CA			
AREA INDEX: NP9			
OPEN			
DEP: 21 SEP 83 WILMINGTON, CA	OPEN		45
ARR: 04 NOV 83 WILMINGTON, CA			
AREA INDEX: OPEN			
OUT OF SERVICE		USC	
DEP: 07 NOV 83 WILMINGTON, CA	SHIP MAINTENANCE		55
ARR: 31 DEC 83 WILMINGTON, CA			
AREA INDEX: NP9			

GYRE

POINT OF CONTACT INFORMATION

POC: CAPT T K TREADWELL
 POC OFFICE: MARINE OPERATIONS OFFICER
 POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY
 POC ADDRESS: TEXAS A & M UNIVERSITY
 POC CITY/STATE: COLLEGE STATION TX 77843
 FTS PREFIX: 713
 COMMERCIAL AREA CODE: 713
 PHONE: 845-7211

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 21
 CLASS: AGOR 21 CLASS
 CALL SIGN (INTERNATIONAL): KJCL
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH - GENERAL
 SHIP OWNER: USN
 CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
 FLAG REGISTRY: USA
 HOME PORT: GALVESTON TX
 TECHNICAL SPONSOR: U TEXAS A & M UNIVERSITY
 OPERATIONS CONTROL: U TEXAS A & M UNIVERSITY
 CONTRACTUAL INFORMATION: AVAILABLE FOR REIMBURSABLE LEASE. CALL POC
 OPERATING COST/DAY: 7,5782 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 22
 NUMBER OFFICERS: 5
 NUMBER IN CREW: 5
 MAX SEA STATE: 8 BEAUFORT SCALE
 ENDURANCE: 60 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: HALTER MARINE SERVICES INC
 WHERE BUILT: NEW ORLEANS LA USA
 INITIAL COST: 3.1/73 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: '73
 LAUNCH DATE: 25 MAY 73
 DELIVERY DATE: 14 NOV 73
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: 00 JAN 78
 MAINTENANCE CYCLE: 2.0 YEARS
 END OF LIFE: 2003
 UPDATE OF INFORMATION: 20 OCT 82

SHIP DIMENSIONS

LENGTH: 174.0 FEET
 MAX BEAM: 36.0 FEET
 HEIGHT: 42.0 FEET
 GROSS TONNAGE: 298
 DISPLACEMENT: 1437 TONS
 DRAUGHT: 13.1 FEET
 CRUISE SPEED: 9.5 KNOTS
 RANGE: 8000 NAUTICAL MILES
 MAX SPEED: 11.8 KNOTS
 MIN SPEED: 0.1 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	DFM
BOW THRUSTER:	ELECTRIC
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	10000 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	8X8X16
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	SURFACE
UTILITY BOATS:	
1. 15 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	5000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2100
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	RAYTHEON

GYRE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		TAMU	
DEP: 16 DEC 82 GALVESTON, TX	MAINTENANCE & UPKEEP		69
ARR: 22 FEB 83 GALVESTON, TX			
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	MERRELL	TEXAS A & M	
DEP: 23 FEB 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH		4
ARR: 27 FEB 83 GALVESTON, TX	GULF OF MEXICO		
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	TREADWELL	TEXAS A & M	
DEP: 02 MAR 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH		4
ARR: 06 MAR 83 GALVESTON, TX	GULF OF MEXICO		
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	BROOKS/SCOTT	TEXAS A & M	
DEP: 12 MAR 83 GALVESTON, TX	CHEMISTRY - GULF OF MEXICO		23
ARR: 04 APR 83 GALVESTON, TX			
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH		TEXAS A & M	
DEP: 11 APR 83 GALVESTON, TX	TRANSIT		4
ARR: 15 APR 83 MIAMI, FL			
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	MADIN	TEXAS A & M	
DEP: 18 APR 83 MIAMI, FL	TRANSIT & RESEARCH		15
ARR: 03 MAY 83 WOODS HOLE, MA			
AREA INDEX: NA9 NA6			
OCEANOGRAPHIC RESEARCH	BROOKS	TEXAS A & M	
DEP: 08 MAY 83 WOODS HOLE, MA	PHYSICAL OCEANOGRAPHY		14
ARR: 22 MAY 83 WOODS HOLE, MA	NEW ENGLAND COAST		
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	BUTMAN	TEXAS A & M	
DEP: 27 MAY 83 WOODS HOLE, MA	NEW ENGLAND COAST		7
ARR: 03 JUN 83 WOODS HOLE, MA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	BISCAYNE/HOGG	TEXAS A & M	
DEP: 07 JUN 83 WOODS HOLE, MA	CAPE COD - BERMUDA - CAPE COD		29
ARR: 06 JUL 83 WOODS HOLE, MA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SPINDEL	TEXAS A & M	
DEP: 11 JUL 83 WOODS HOLE, MA	NEW ENGLAND COAST		6
ARR: 17 JUL 83 WOODS HOLE, MA			
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	USGS	TEXAS A & M	

DEP: 25 JUL 83 WOODS HOLE, MA	EAST COAST, CONTINENTAL SHELF	59
ARR: 22 SEP 83 WOODS HOLE, MA		
AREA INDEX: NA6		

OCEANOGRAPHIC RESEARCH	BRYDEN	TEXAS A & M
DEP: 27 SEP 83 WOODS HOLE, MA	CAPE COD - BERMUDA - CAPE COD	23
ARR: 20 OCT 83 WOODS HOLE, MA		
AREA INDEX: NA6		

OCEANOGRAPHIC RESEARCH		TEXAS A & M
DEP: 25 OCT 83 WOODS HOLE, MA	TRANSIT	9
ARR: 03 NOV 83 GALVESTON, TX		
AREA INDEX: NA6 NA9		

OCEANOGRAPHIC RESEARCH	MERRELL	TEXAS A & M
DEP: 09 NOV 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH	4
ARR: 13 NOV 83 GALVESTON, TX	GULF OF MEXICO	
AREA INDEX: NA9		

OCEANOGRAPHIC RESEARCH	TREADWELL	TEXAS A & M
DEP: 16 NOV 83 GALVESTON, TX	STUDENT TRAINING & RESEARCH	4
ARR: 20 NOV 83 GALVESTON, TX	GULF OF MEXICO	
AREA INDEX: NA9		

OCEANOGRAPHIC RESEARCH	SCOTT/BROOKS/FANNING	TEXAS A & M
DEP: 25 NOV 83 GALVESTON, TX	CHEMISTRY - GULF OF MEXICO	19
ARR: 14 DEC 83 GALVESTON, TX		
AREA INDEX: NA9		

IDA GREEN

POINT OF CONTACT INFORMATION

POC: WILLIAM H MITCHELL
 POC OFFICE: MARINE OPERATIONS SUPERINTENDENT
 POC ORGANIZATION: INSTITUTE FOR GEOPHYSICS, UNIV OF TX
 POC ADDRESS: 700 THE STRAND
 POC CITY/STATE: GALVESTON TX 77550
 FTS PREFIX: 713
 COMMERCIAL AREA CODE: 713
 PHONE: 765-2276

ADMINISTRATIVE DETAILS

DESIGNATOR:	RV	
CLASS:	OFFSHORE SUPPLY BOAT	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEAN RESEARCH-GEOLOGY	
SHIP OWNER:	UNIV. OF TEXAS	
CERTIFICATION AUTHORITY:	AMERICAN BUREAU OF SHIPPING	
FLAG REGISTRY:	USA	
HOME PORT:	GALVESTON TX USA	
TECHNICAL SPONSOR:	U. OF TX. INST. FOR GEOPHYSICS	
OPERATIONS CONTROL:	U. OF TX. INST. FOR GEOPHYSICS	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	4,4/81	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	12	
NUMBER OFFICERS:	-	
NUMBER IN CREW:	7	
MAX SEA STATE:	4 BEAUFORT SCALE	
ENDURANCE:	21 DAY(S)	
LIMITING FACTOR:	REFRIGERATED STORES	
BUILDER:	GULFPORT SHIP BUILDING	
WHERE BUILT:	GULFPORT TX USA	
INITIAL COST:	-	
DUE DATE:	-	
KEEL DATE:	-	
LAUNCH DATE:	'65	
DELIVERY DATE:	-	
COMMISSION DATE:	-	
CONVERSION DATE:	-	
LAST OVERHAUL:	-	
MAINTENANCE CYCLE:	- YEARS	
END OF LIFE:	1985	
UPDATE OF INFORMATION:	15 NOV 82	

SHIP DIMENSIONS

LENGTH:	130.0 FEET
MAX BEAM:	27.0 FEET
HEIGHT:	- FEET
GROSS TONNAGE:	198
DISPLACEMENT:	- TONS
DRAUGHT:	10.5 FEET
CRUISE SPEED:	10.0 KNOTS
RANGE:	5000 NAUTICAL MILES
MAX SPEED:	10.5 KNOTS
MIN SPEED:	3.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	N
ANTI-ROLL:	Y
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	-
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	29700 FEET
WIRE DIAMETER:	0.250 INCHES
02. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	29700 FEET
WIRE DIAMETER:	0.250 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	TEKTRONIX 4051
FACSIMILE:	-
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	-
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	Y
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	TEXAS INST.
SOUNDING SYSTEM (DEEP):	RAYTHEON

IDA GREEN

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		UT-IG	
DEP: 23 DEC 82 GALVESTON, TX	MAINTENANCE, HOLIDAYS		11
ARR: 02 JAN 83 GALVESTON, TX			
AREA INDEX: NA9			
OPEN		UT-IG	
DEP: 03 JAN 83 GALVESTON, TX	OPEN		63
ARR: 07 MAR 83 GALVESTON, TX			
AREA INDEX: OPEN			
OUT OF SERVICE		UT-IG	
DEP: 08 MAR 83 GALVESTON, TX	DRYDOCK, ABS		6
ARR: 14 MAR 83 GALVESTON, TX			
AREA INDEX: NA9			
OPEN		UT-IG	
DEP: 15 MAR 83 GALVESTON, TX	OPEN		16
ARR: 31 MAR 83 GALVESTON, TX			
AREA INDEX: OPEN			
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-IG	
DEP: 01 APR 83 GALVESTON, TX	IG-47 GULF DREDGING		29
ARR: 30 APR 83 GALVESTON, TX			
AREA INDEX: NA9			
OPEN		UT-IG	
DEP: 01 MAY 83 GALVESTON, TX	OPEN		22
ARR: 23 MAY 83 GALVESTON, TX			
AREA INDEX: OPEN			
OCEANOGRAPHIC RESEARCH	MATSUMOTO	UT-IG	
DEP: 24 MAY 83 GALVESTON, TX	IG-48 FLORIDA BANK		7
ARR: 31 MAY 83 GALVESTON, TX			
AREA INDEX: NA9			
OPEN		UT-IG	
DEP: 01 JUN 83 GALVESTON, TX	OPEN		204
ARR: 22 DEC 83 GALVESTON, TX			
AREA INDEX: OPEN			
OUT OF SERVICE		UT-IG	
DEP: 23 DEC 83 GALVESTON, TX	MAINTENANCE & LEAVE		8
ARR: 31 DEC 83 GALVESTON, TX			
AREA INDEX: NA9			

FRED H MOORE

POINT OF CONTACT INFORMATION

POC: WILLIAM H MITCHELL
POC OFFICE: MARINE OPERATIONS SUPERINTENDENT
POC ORGANIZATION: INSTITUTE FOR GEOPHYSICS, UNIV OF TX
POC ADDRESS: 700 THE STRAND
POC CITY/STATE: GALVESTON TX 77550
FTS PREFIX: 713
COMMERCIAL AREA CODE: 713
PHONE: 765-2276

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: MOORE
DESIGNATOR: RV
CLASS: SEISMIC SHIP
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: MARINE GEOPHYSICS RESEARCH
SHIP OWNER: UNIV. OF TEXAS
CERTIFICATION AUTHORITY: AMERICAN BUREAU OF SHIPPING
FLAG REGISTRY: USA
HOME PORT: GALVESTON TX USA
TECHNICAL SPONSOR: U. OF TX. INST. FOR GEOPHYSICS
OPERATIONS CONTROL: U. OF TX. INST. FOR GEOPHYSICS
CONTRACTUAL INFORMATION: NONE
OPERATING COST/DAY: 7,2/81 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 20
NUMBER OFFICERS: -
NUMBER IN CREW: 9
MAX SEA STATE: 4 BEAUFORT SCALE
ENDURANCE: 26 DAY(S)
LIMITING FACTOR: REFRIGERATED STORES
BUILDER: BURTON SHIP BUILDING
WHERE BUILT: PORT ARTHUR TX USA
INITIAL COST: -
DUE DATE: -
KEEL DATE: -
LAUNCH DATE: -
DELIVERY DATE: -
COMMISSION DATE: -
CONVERSION DATE: -
LAST OVERHAUL: -
MAINTENANCE CYCLE: - YEARS
END OF LIFE: 1987
UPDATE OF INFORMATION: 15 NOV 82

SHIP DIMENSIONS

LENGTH: 165.0 FEET
MAX BEAM: 38.0 FEET
HEIGHT: - FEET
GROSS TONNAGE: 297
DISPLACEMENT: - TONS
DRAUGHT: 11.4 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 6000 NAUTICAL MILES
MAX SPEED: 11.5 KNOTS
MIN SPEED: 3.9 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	-
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	Y
ANTI-ROLL:	Y
STABILIZER:	N
DEEP ANCHOR:	NO FEET
BERTHING VAN DIMENSIONS:	-
INSTRUMENT VAN DIMENSIONS:	-
WET-LAB:	-
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF FRAMES:	
CRANES OR BOOMS	
MAX HOIST CAPACITY:	3800 POUNDS
NUMBER OF CRANES:	1
WINCHES:	-

ELECTRONIC EQUIPMENT

COMPUTERS:	TI 980A
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	Y
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	-
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	BENMAR
SOUNDING SYSTEM (DEEP):	RAYTHEON

FRED H MOORE

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		UT-16	
DEP: 22 DEC 82 GALVESTON, TX	MAINTENANCE & LEAVE		
ARR: 03 JAN 83 GALVESTON, TX			13
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	BEHRENS	UT-16	
DEP: 04 JAN 83 GALVESTON, TX	FM-17 UNIV. OF TEXAS/AUSTIN		
ARR: 08 JAN 83 GALVESTON, TX	STUDENT CRUISE (F)		4
AREA INDEX: NA9			
OPEN		UT-16	
DEP: 10 JAN 83 GALVESTON, TX	OPEN		
ARR: 14 JAN 83 GALVESTON, TX			4
AREA INDEX: OPEN			
OCEANOGRAPHIC RESEARCH	GLOVER	UT-16	
DEP: 15 JAN 83 GALVESTON, TX	FM-18 GULF PROJECT (NF)		
ARR: 06 FEB 83 GALVESTON, TX			22
AREA INDEX: NA9			
OPEN		UT-16	
DEP: 07 FEB 83 GALVESTON, TX	OPEN		
ARR: 14 FEB 83 GALVESTON, TX			7
AREA INDEX: OPEN			
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16	
DEP: 15 FEB 83 GALVESTON, TX	FM-19 WEST FLORIDA BANK (NF)		
ARR: 16 MAR 83 GALVESTON, TX			29
AREA INDEX: NA9			
OPEN		UT-16	
DEP: 16 MAR 83 GALVESTON, TX	OPEN		
ARR: 30 APR 83 GALVESTON, TX			45
AREA INDEX: OPEN			
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16	
DEP: 01 MAY 83 GALVESTON, TX	FM-20 MISSISSIPPI FAN (NF)		
ARR: 21 MAY 83 GALVESTON, TX			20
AREA INDEX: NA9			
DEP: 23 MAY 83 GALVESTON, TX	FM-21 UNIV. OF TEXAS/AUSTIN		
ARR: 27 MAY 83 GALVESTON, TX	STUDENT CRUISE (F)		4
AREA INDEX: NA9			
OUT OF SERVICE		UT-16	
DEP: 28 MAY 83 GALVESTON, TX	MAINTENANCE, LEAVE, ETC.		
ARR: 31 MAY 83 GALVESTON, TX			3
AREA INDEX: NA9			
OCEANOGRAPHIC RESEARCH	BUFFLER	UT-16	

DEP: 01 JUN 83 GALVESTON, TX	FM-22 OUTER HIGH PROJECT (NF)	29
ARR: 30 JUN 83 GALVESTON, TX		
AREA INDEX: NA9		
OPEN		UT-IG
DEP: 01 JUL 83 GALVESTON, TX	OPEN	44
ARR: 14 AUG 83 GALVESTON, TX		
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	AUSTIN	UT-IG
DEP: 15 AUG 83 GALVESTON, TX	FM-23 EUCADOR-PERU PROJECT (NF)	46
ARR: 30 SEP 83 GALVESTON, TX		
AREA INDEX: NA9 NP13 SP3A		
OPEN		UT-IG
DEP: 01 OCT 83 GALVESTON, TX	OPEN	82
ARR: 22 DEC 83 GALVESTON, TX		
AREA INDEX: OPEN		
OUT OF SERVICE		UT-IG
DEP: 23 DEC 83 GALVESTON, TX	MAINTENANCE, LEAVE, ETC.	8
ARR: 31 DEC 83 GALVESTON, TX		
AREA INDEX: NA9		

LONGHORN

POINT OF CONTACT INFORMATION

POC: MR JOHN H THOMPSON
 POC OFFICE: ASSOCIATE DIRECTOR FOR ADMIN
 POC ORGANIZATION: MARINE SCIENCE LABORATORY
 POC ADDRESS: UNIV. OF TEXAS
 POC CITY/STATE: PORT ARANSAS TX 78373
 COMMERCIAL AREA CODE: 512
 PHONE: 749-6760

ADMINISTRATIVE DETAILS

DESIGNATOR:	RV	
CLASS:	TRAWLER	
CALL SIGN (INTERNATIONAL):	-	
FLEET:	UNOLS	
SHIP TYPE:	OCEAN RESEARCH-GENERAL	
SHIP OWNER:	UNIV. OF TEXAS	
CERTIFICATION AUTHORITY:	TEXAS PARKS & WILDLIFE	
FLAG REGISTRY:	USA	
HOME PORT:	PORT ARANSAS TX	
TECHNICAL SPONSOR:	U UNIV. OF TEXAS	
OPERATIONS CONTROL:	U, TEX.-PORT ARANSAS MARINE LAB	
CONTRACTUAL INFORMATION:	NONE	
OPERATING COST/DAY:	1.5/81	THOUSAND \$'S
SCIENTIFIC COMPLEMENT:	10	
NUMBER OFFICERS:	2	
NUMBER IN CREW:	3	
MAX SEA STATE:	3 BEAUFORT SCALE	
ENDURANCE:	18 DAY(S)	
LIMITING FACTOR:	WATER-REFRIG. STORES	
BUILDER:	ALLIED SHIPYARD	
WHERE BUILT:	LAROSE, LA USA	
INITIAL COST:	-	
DUE DATE:	-	
KEEL DATE:	-	
LAUNCH DATE:	-71	
DELIVERY DATE:	-71	
COMMISSION DATE:	-71	
CONVERSION DATE:	-	
LAST OVERHAUL:	-80	
MAINTENANCE CYCLE:	1.6 YEARS	
END OF LIFE:	1990	
UPDATE OF INFORMATION:	16 DEC 82	

SHIP DIMENSIONS

LENGTH:	80.0 FEET
MAX BEAM:	24.2 FEET
HEIGHT:	- FEET
GROSS TONNAGE:	146
DISPLACEMENT:	200 TONS
DRAUGHT:	7.3 FEET
CRUISE SPEED:	9.0 KNOTS
RANGE:	2000 NAUTICAL MILES
MAX SPEED:	9.5 KNOTS
MIN SPEED:	1.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL/1 DIESEL
BOW THRUSTER:	HYDRAULIC, TUNNEL
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	20X8X8
INSTRUMENT VAN DIMENSIONS:	20X8X8
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NO
UTILITY BOATS:	
1. 16 FOOT RUBBER INFLATABLE	
2. 12 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	8000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	4000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.250 INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.250 INCHES
04. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.250 INCHES
05. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	1
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	10000 FEET
WIRE DIAMETER:	0.218 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	PLESSEY 9040(STD)
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N

SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	MORROW
SOUNDING SYSTEM (DEEP):	FURUNO

LONGHORN

LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

UNIV OF TEXAS

DEP: 01 JAN 83 PORT ARANSAS, TX SHORT CRUISES IN GULF OF MEXICO OFF
ARR: 31 DEC 83 PORT ARANSAS, TX ARANSAS. CALL POC FOR DETAILS 365
AREA INDEX: NA9

THOMAS G THOMPSON

POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS
 POC OFFICE: PORT CAPTAIN/ENGINEER
 POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY
 POC ADDRESS: UNIV. OF WASHINGTON
 POC CITY/STATE: SEATTLE WA 98195
 FTS PREFIX: 206
 COMMERCIAL AREA CODE: 206
 PHONE: 543-5648

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: THOMPSON
 DESIGNATOR: AGOR 9
 CLASS: ROBERT D CONRAD/AGOR 3
 CALL SIGN (INTERNATIONAL): KGWT
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: USN
 CERTIFICATION AUTHORITY: USCG INSPECTED/ABS CLASSED
 FLAG REGISTRY: NONE
 HOME PORT: SEATTLE WA
 TECHNICAL SPONSOR: U UNIV. OF WASHINGTON
 OPERATIONS CONTROL: UNIV. OF WASHINGTON
 CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 20 SEP 80 CON
 NO0014-77-L-0009
 OPERATING COST/DAY: 5.37/80 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 19
 NUMBER OFFICERS: 9
 NUMBER IN CREW: 13
 MAX SEA STATE: 5 BEAUFORT SCALE
 ENDURANCE: 40 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: MARINETTE MARINE CORPORATION
 WHERE BUILT: MARINETTE WI USA
 INITIAL COST: 3.0/65 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: 12 SEP 63
 LAUNCH DATE: 18 JUL 64
 DELIVERY DATE: 04 SEP 65
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: 07 FEB 80
 MAINTENANCE CYCLE: 2.0 YEARS
 END OF LIFE: 1994
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

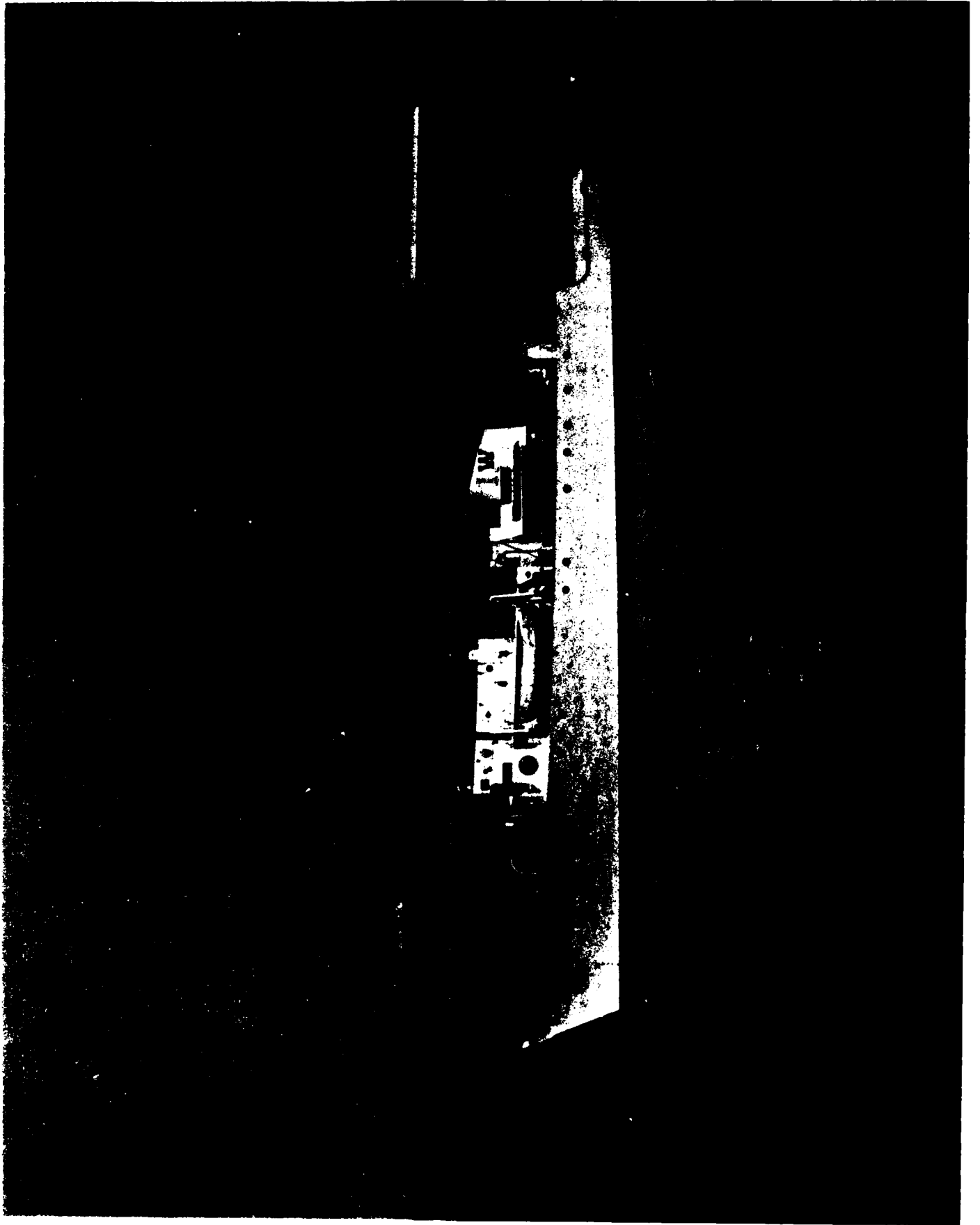
LENGTH: 208.8 FEET
 MAX BEAM: 39.4 FEET
 HEIGHT: 87.0 FEET
 GROSS TONNAGE: 1151
 DISPLACEMENT: 1401 TONS
 DRAUGHT: 15.0 FEET
 CRUISE SPEED: 9.5 KNOTS
 RANGE: 8500 NAUTICAL MILES
 MAX SPEED: 11.5 KNOTS
 MIN SPEED: 0.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL ELECTRIC
AUXILIARY PROPULSION:	GAS TURBINE
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL/1 DIESEL/JP5+#20
BOW THRUSTER:	TRAINABLE/RETRACTABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELQ SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 16 FOOT BOSTON WHALER	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	6000 POUNDS
NUMBER OF FRAMES:	1
CRANES OR BOOMS	
MAX HOIST CAPACITY:	10000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	STD
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	9
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	20000 FEET
WIRE DIAMETER:	0.220 INCHES
03. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	TRAWL
SLIP-RINGS:	9
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
SECONDARY WIRE LEN:	15000 FEET
SECONDARY WIRE DIAM:	0.464 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	Y
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS, RAYTHEON
SOUNDING SYSTEM (DEEP):	RAYTH., GIFFT



THOMAS G THOMPSON

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	UNIV OF WASH	
DEP: 01 JAN 83 SEATTLE, WA	YARD PERIOD FOR MAJOR REFIT	119
ARR: 30 APR 83 SEATTLE, WA		
AREA INDEX: NP9		
OPEN	UNIV OF WASH	
DEP: 01 MAY 83 SEATTLE, WA	OPEN	29
ARR: 30 MAY 83 SEATTLE, WA		
AREA INDEX: OPEN		
OCEANOGRAPHIC RESEARCH	C LORENZEN	UNIV OF WASH
DEP: 31 MAY 83 SEATTLE, WA	ORGANIC MATTER IN THE DEEP SEA STAT	21
ARR: 21 JUN 83 SEATTLE, WA		
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	P NIILER	OSU
DEP: 24 JUN 83 SEATTLE, WA	CIRCULATION OF N.E. PACIFIC	35
ARR: 29 JUL 83 NEWPORT, OR	30/40N ALONG 150W	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	G ANDERSON ET AL	DOE
DEP: 01 AUG 83 NEWPORT, OR	MECHANISMS OF TRANSFER OF ENERGY-DO	9
ARR: 10 AUG 83 SEATTLE, WA	WASHINGTON/OREGON COAST	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	P JOHNSON/J DELANEY	UNIV OF WASH
DEP: 19 AUG 83 SEATTLE, WA	HOT SPOT RIDGE CREST STUDY	32
ARR: 20 SEP 83 SEATTLE, WA	JUAN DE FUCA RIDGE	
AREA INDEX: NP9		
OCEANOGRAPHIC RESEARCH	KNOX/MONK/WORCESTER	SIO
DEP: 28 SEP 83 SEATTLE, WA	ACOUSTIC TECHNIQUES, MOORING DEPLOY	13
ARR: 11 OCT 83 HONOLULU, HI	N.E. OF HAWAII	
AREA INDEX: NP9 NP12		
OCEANOGRAPHIC RESEARCH	SCHMITZ/JOYCE/TAFT	WHOI/UW
DEP: 14 OCT 83 HONOLULU, HI	ZONAL EXPLORATION OF MID N.PACIFIC	54
ARR: 07 DEC 83 HONOLULU, HI	30N-165E/175W MIDWAY PORT CALL	
AREA INDEX: NP12 NP11		
OCEANOGRAPHIC RESEARCH	KNOX/MONK/WORCESTER	SIO
DEP: 10 DEC 83 HONOLULU, HI	ACOUSTIC TECHNIQUES, MOORING DEPLOY	13
ARR: 23 DEC 83 SEATTLE, WA	N.E. OF HAWAII	
AREA INDEX: NP12 NP9		
OUT OF SERVICE	UNIV OF WASH	
DEP: 24 DEC 83 SEATTLE, WA	HOME PORT FOR HOLIDAYS	7
ARR: 31 DEC 83 SEATTLE, WA		
AREA INDEX: NP9		

ONAR

POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS
 POC OFFICE: PORT CAPTAIN/ENGINEER
 POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY
 POC ADDRESS: UNIV. OF WASHINGTON
 POC CITY/STATE: SEATTLE WA 98195
 FTS PREFIX: 206
 COMMERCIAL AREA CODE: 206
 PHONE: 543-5648

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: ARMY T BOAT
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: USN
 CERTIFICATION AUTHORITY: NONE
 FLAG REGISTRY: NOT IN REGISTRY
 HOME PORT: SEATTLE WA
 TECHNICAL SPONSOR: U UNIV. OF WASHINGTON
 OPERATIONS CONTROL: UNIV. OF WASHINGTON
 CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON #
 0014-69-C-0462
 OPERATING COST/DAY: 1.05/80 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 6
 NUMBER OFFICERS: 0
 NUMBER IN CREW: 2
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 5 DAY(S)
 LIMITING FACTOR: WATER
 BUILDER: NATIONAL STEEL & SHIPBUILDING CORP.
 WHERE BUILT: SAN DIEGO CA USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: -
 DELIVERY DATE: -54
 COMMISSION DATE: -
 CONVERSION DATE: -63
 LAST OVERHAUL: -78
 MAINTENANCE CYCLE: 4.0 YEARS
 END OF LIFE: 1977
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 65.0 FEET
 MAX BEAM: 18.0 FEET
 HEIGHT: 40.0 FEET
 GROSS TONNAGE: 74
 DISPLACEMENT: 95 TONS
 DRAUGHT: 9.0 FEET
 CRUISE SPEED: 8.5 KNOTS
 RANGE: 750 NAUTICAL MILES
 MAX SPEED: 10.0 KNOTS
 MIN SPEED: 4.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	NONE
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NONE
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF FRAMES:	0
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	4000 FEET
WIRE DIAMETER:	0.156 INCHES
02. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1500 FEET
WIRE DIAMETER:	0.500 INCHES
03. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES
04. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES
05. MAJOR TYPE/USE:	UTILITY
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	N
OMEGA:	N
SATELLITE NAVIGATION:	N

RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	SIMRAD

ONAP

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

UNIV OF WASHIN

DEP: 01 JAN 83 SEATTLE, WA
ARR: 31 DEC 83 SEATTLE, WA
AREA INDEX: NP9

NUMEROUS SHORT TRIPS WITHIN PUGET S
CALL POC FOR DETAILS 365

NON

POINT OF CONTACT INFORMATION

POC: CAPT R E WILLIAMS
POC OFFICE: PORT CAPTAIN/ENGINEER
POC ORGANIZATION: DEPARTMENT OF OCEANOGRAPHY
POC ADDRESS: UNIV. OF WASHINGTON
POC CITY/STATE: SEATTLE WA 98195
FTS PREFIX: 206
COMMERCIAL AREA CODE: 206
PHONE: 543-5648

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
CLASS: WOODEN HULL UTILITY VESSEL
CALL SIGN (INTERNATIONAL): -
FLEET: UNOLS
SHIP TYPE: OCEAN RESEARCH-GENERAL
SHIP OWNER: USN
CERTIFICATION AUTHORITY: NONE
FLAG REGISTRY: NOT IN REGISTRY
HOME PORT: SEATTLE WA
TECHNICAL SPONSOR: U UNIV. OF WASHINGTON
OPERATIONS CONTROL: UNIV. OF WASHINGTON
CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE UNKNOWN CON #
0014-69-C-0462
OPERATING COST/DAY: 1.05/80 THOUSAND \$'S
SCIENTIFIC COMPLEMENT: 6
NUMBER OFFICERS: 0
NUMBER IN CREW: 2
MAX SEA STATE: 2 BEAUFORT SCALE
ENDURANCE: 10 DAY(S)
LIMITING FACTOR: WATER
BUILDER: FEDERAL PRISON INDUSTRIES INC.
WHERE BUILT: MCNEIL ISLAND WA USA
INITIAL COST: -
DUE DATE: -
KEEL DATE: -
LAUNCH DATE: -
DELIVERY DATE: '43
COMMISSION DATE: -
CONVERSION DATE: '62
LAST OVERHAUL: '74
MAINTENANCE CYCLE: - YEARS
END OF LIFE: 1966
UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 65.0 FEET
MAX BEAM: 14.0 FEET
HEIGHT: 34.0 FEET
GROSS TONNAGE: 31
DISPLACEMENT: 81 TONS
DRAUGHT: 8.0 FEET
CRUISE SPEED: 8.0 KNOTS
RANGE: 800 NAUTICAL MILES
MAX SPEED: 8.5 KNOTS
MIN SPEED: 1.5 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	NO
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	NONE FEET
BERTHING VAN DIMENSIONS:	NONE
INSTRUMENT VAN DIMENSIONS:	NONE
WET-LAB:	N
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	NONE
UTILITY BOATS:	
1. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	250 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	2000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UTILITY
SLIP-RINGS:	9
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.292 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.156 INCHES
03. MAJOR TYPE/USE:	ANCHOR
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	1000 FEET
WIRE DIAMETER:	0.500 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	NONE
FACSIMILE:	N
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	N
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	N
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	RAYTHEON/ROSS
SOUNDING SYSTEM (DEEP):	SIMRAD

HON

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

UNIV OF WASHIN

DEP: 01 JAN 83 SEATTLE, WA
ARR: 31 DEC 83 SEATTLE, WA
AREA INDEX: NP9

NUMEROUS SHORT TRIPS WITHIN PUGET S
CALL POC FOR DETAILS 365

ATLANTIS II

POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY
 POC OFFICE: MANAGER
 POC ORGANIZATION: MARINE OPERATIONS
 POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.
 POC CITY/STATE: WOODS HOLE MA 02543
 FTS PREFIX: 617
 COMMERCIAL AREA CODE: 617
 PHONE: 548-1400

ADMINISTRATIVE DETAILS

COMMON SHIP NAME: ATLANTIS
 DESIGNATOR: RV
 CLASS: -
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: -
 SHIP OWNER: WOODS HOLE OCEANOGRAPHIC INST.
 CERTIFICATION AUTHORITY: USCG
 FLAG REGISTRY: USA
 HOME PORT: WOODS HOLE MA
 TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.
 OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 6,678 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 25
 NUMBER OFFICERS: 11
 NUMBER IN CREW: 20
 MAX SEA STATE: - BEAUFORT SCALE
 ENDURANCE: 25 DAY(S)
 LIMITING FACTOR: -
 BUILDER: MARYLAND SHIPBUILDING AND DRYDOCK CO.
 WHERE BUILT: BALTIMORE MD USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: '62
 DELIVERY DATE: 31 JAN 63
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: 00 MAY 75
 MAINTENANCE CYCLE: 1.5 YEARS
 END OF LIFE: 1993
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 210.3 FEET
 MAX BEAM: 44.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: 1529
 DISPLACEMENT: 2300 TONS
 DRAUGHT: 16.0 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 6000 NAUTICAL MILES
 MAX SPEED: 12.0 KNOTS
 MIN SPEED: - KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	RECIPRO STEAM
AUXILIARY PROPULSION:	STEAM TURBINE
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	TRANSVERSE DUCT
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	25000 FEET
BERTHING VAN DIMENSIONS:	NO
INSTRUMENT VAN DIMENSIONS:	NO
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	Y
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 16 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF FRAMES:	2
CRANES OR BOOMS	
MAX HOIST CAPACITY:	30000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0. INCHES
03. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	25000 FEET
WIRE DIAMETER:	0. INCHES
04. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	FEET
WIRE DIAMETER:	0 INCHES
05. MAJOR TYPE/USE:	BATHYTHERMOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	FEET
WIRE DIAMETER:	0 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2116A
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y

RADIO TELETYPE COMMUNICATION: N
SINGLE SIDE BAND: Y
VHF COMMUNICATIONS: Y
STABLE TABLE: N
NARROW BEAM: N
SEISMIC PROFILING: -
SIDE SCAN: N
SOUNDING SYSTEM (SHALLOW): RAYTHEON
SOUNDING SYSTEM (DEEP): EDO, GIFFT

ATLANTIS II

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 01 OCT 82 WOODS HOLE CONVEPSON FOR ALVIN HANDLING AND
ARR: 31 MAY 83 WOODS HOLE DRYDOCKING TO INSTALL SEA BEAM 243
AREA INDEX: NA6

DEP: 01 JUN 83 WOODS HOLE SUBMERSIBLE SYSTEM TEST & TRAINING
ARR: 30 JUN 83 WOODS HOLE SIDE & UNDERWAY. ALVIN ABOARD 29
AREA INDEX: NA6

OUT OF SERVICE DONNELLY/TUCHOLKE NSF/ONR

DEP: 01 JUL 83 WOODS HOLE SUBMERSIBLE SYSTEM TRAINING. TEST 0
ARR: 24 JUL 83 WOODS HOLE BEAM SYSTEM. USN CERTIFICATION 23
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH WISHNER/WILLIAMS NSF/KAPL

DEP: 25 JUL 83 WOODS HOLE ZOOPLANKTON TROPHODYNAMICS. RETRIEVE
ARR: 05 AUG 83 WOODS HOLE 82 CORROSION TEST. NE CON. SHELF 11
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH FLOOD/BISCAYE NSF

DEP: 12 AUG 83 WOODS HOLE STUDY ABYSSAL SEDIMENT. SET CURRENT
ARR: 24 AUG 83 WOODS HOLE MOORINGS: W.NO. ATL., BLAKE RIDGE 12
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH

DEP: 03 SEP 83 WOODS HOLE TRANSIT TO PANAMA 7
ARR: 10 SEP 83 BALBOA, PANAMA
AREA INDEX: NA6 NA9 NP13

OCEANOGRAPHIC RESEARCH GRASSLE/HONJO ET. AL. NSF

DEP: 15 SEP 83 BALBOA, PANAMA QUANTIFY RIOTURBATION PROCESSES, FL
ARR: 04 OCT 83 BALBOA, PANAMA PARTICULATE & AGGEGATE MATTER 19
AREA INDEX: NP13

OCEANOGRAPHIC RESEARCH MALAHOFF/EMBLEY NOAA

DEP: 10 OCT 83 BALBOA, PANAMA POLYMETALLIC SULFIDES
ARR: 30 OCT 83 PUNTARENAS, CR GALAPAGOS RIDGE 20
AREA INDEX: NP13

OCEANOGRAPHIC RESEARCH BALLARD/MOTTL ET. AL. NSF

DEP: 04 NOV 83 PUNTARENAS, CR HYDROTHERMAL PROCESSES RELATING TO
ARR: 27 NOV 83 SAN DIEGO, CA VULCANISM. E PAC RISE 10N-15N 23
AREA INDEX: NP13 NP9

OCEANOGRAPHIC RESEARCH LONSDALE ONR

DEP: 03 DEC 83 SAN DIEGO, CA INVEST. FIEBERLING GUYOT-GUADELUPE
ARR: 18 DEC 83 SAN DIEGO, CA SPOT CHAIN - CALIF. SEAMOUNTS 15
AREA INDEX: NP0

OUT OF SERVICE

DEP: 21 DEC 83 SAN DIEGO, CA MAINTENANCE
ARR: 31 DEC 83 SAN DIEGO, CA 10
AREA INDEX: NP9

KNORR

POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY
 POC OFFICE: MANAGER
 POC ORGANIZATION: MARINE OPERATIONS
 POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.
 POC CITY/STATE: WOODS HOLE MA 02543
 FTS PREFIX: 617
 COMMERCIAL AREA CODE: 617
 PHONE: 548-7400

ADMINISTRATIVE DETAILS

DESIGNATOR: AGOR 15
 CLASS: MELVILLE/AGOR 14
 CALL SIGN (INTERNATIONAL): KCFJ
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: USN
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: WOODS HOLE MA
 TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.
 OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.
 CONTRACTUAL INFORMATION: ONR CODE 611 LEASE TO EXPIRE 25 MAR 80 CON
 NO0014-69-C-0241
 OPERATING COST/DAY: 5,578 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 25
 NUMBER OFFICERS: 0
 NUMBER IN CREW: 25
 MAX SEA STATE: - BEAUFORT SCALE
 ENDURANCE: 60 DAY(S)
 LIMITING FACTOR: -
 BUILDER: DEFOE SHIPBUILDING COMPANY
 WHERE BUILT: BAY CITY MI USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: 09 AUG 67
 LAUNCH DATE: 21 AUG 68
 DELIVERY DATE: '70
 COMMISSION DATE: 14 JAN 70
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: - YEARS
 END OF LIFE: 2000
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 244.8 FEET
 MAX BEAM: 46.0 FEET
 HEIGHT: - FEET
 GROSS TONNAGE: -
 DISPLACEMENT: 1915 TONS
 DRAUGHT: 15.0 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 10000 NAUTICAL MILES
 MAX SPEED: 11.5 KNOTS
 MIN SPEED: 0.1 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	CYCLOIDAL PROP FWD
NUMBER OF SHAFTS:	2
FUEL TYPE:	-
BOW THRUSTER:	YES
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	25000 FEET
BERTHING VAN DIMENSIONS:	YES
INSTRUMENT VAN DIMENSIONS:	YES
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	-
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	N
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	0 POUNDS
NUMBER OF FRAMES:	
CRANES OR BOOMS	
MAX HOIST CAPACITY:	80000 POUNDS
NUMBER OF CRANES:	2
WINCHES:	
01. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES
03. MAJOR TYPE/USE:	CORING
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.625 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2116B
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	-
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	Y
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	-
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	-
SEISMIC PROFILING:	-
SIDE SCAN:	-
SOUNDING SYSTEM (SHALLOW):	HYDRO PRODUCTS
SOUNDING SYSTEM (DEEP):	RAYTHEON

KNORR

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH SARMIENTO NSF/DOE
DEP: 29 DEC 82 BELEM, BR TROPICAL ATLANTIC STUDY
ARR: 21 JAN 83 DAKAR, SENEGAL CIRCULATION, MIXING PROCESSES 24
AREA INDEX: SA1 NA10
DEP: 26 JAN 83 DAKAR, SENEGAL TROPICAL ATLANTIC STUDY
ARR: 19 FEB 83 RECIFE, BR CIRCULATION, MIXING PROCESSES 25
AREA INDEX: SA1 NA10
OCEANOGRAPHIC RESEARCH DEUSER NSF
DEP: 22 FEB 83 RECIFE, BR RECOVER/RE-DEPLOY SEDIMENT TRAP-EAS
ARR: 10 MAR 83 WOODS HOLE BARBADOS. PORT CALL-BARBADOS 17
AREA INDEX: SA1 NA9 NA10
OUT OF SERVICE
DEP: 11 MAR 83 WOODS HOLE MAINTENANCE & DRYDOCKING 35
ARR: 14 APR 83 WOODS HOLE
AREA INDEX: NA6
OCEANOGRAPHIC RESEARCH HOLLISTER ET AL. ONR
DEP: 15 APR 83 WOODS HOLE HEBBLE/TEST SEDIMENT TRANSPORT MODE
ARR: 25 APR 83 WOODS HOLE NOVA SCOTIA RISE 10
AREA INDEX: NA6
OCEANOGRAPHIC RESEARCH VON HERZEN NSF
DEP: 30 APR 83 WOODS HOLE HEAT FLOW MEASUREMENTS ACROSS THE
ARR: 31 MAY 83 WOODS HOLE BERMUDA RISE 31
AREA INDEX: NA6
OCEANOGRAPHIC RESEARCH HOLLISTER ET AL. ONR
DEP: 05 JUN 83 WOODS HOLE HEBBLE/TEST SEDIMENT TRANSPORT MODE
ARR: 18 JUN 83 WOODS HOLE NOVA SCOTIA RISE 13
AREA INDEX: NA6
OCEANOGRAPHIC RESEARCH STOMMEL/LUYTEN NSF
DEP: 06 JUL 83 WOODS HOLE GEOCHEMISTRY/OCEAN CIRCULATION, FLU
ARR: 01 AUG 83 PARAMARIBO SURINAM N. ATL. 50W MERIDIONAL SECTION 28
AREA INDEX: NA6 NA9
OCEANOGRAPHIC RESEARCH KATZ NSF
DEP: 09 AUG 83 PARAMARIBO SURINAM DYNAMIC MECHANISMS. SEQUAL-2 STATION
ARR: 07 SEP 83 ABIDJAN MOORINGS. EQUATORIAL ATLANTIC 29
AREA INDEX: NA9 NA10 NA11 SA1 SA2
OCEANOGRAPHIC RESEARCH
DEP: 12 SEP 83 ABIDJAN TRANSIT 11
ARR: 23 SEP 83 CAPETOWN
AREA INDEX: NA11 SA2 SA4
OCEANOGRAPHIC RESEARCH GORDON ONR

DEP: 26 SEP 83 CAPETOWN
ARR: 26 OCT 83 CAPETOWN
AREA INDEX: SA4 SA6 IN6

STUDY WINTER CONVECTION IN THERMOCL
STRUCTURE OF AGULHAS CURRENT 30

OCEANOGRAPHIC RESEARCH.....NOWLIN/REID.....

NSF/ONR

DEP: 01 NOV 83 CAPETOWN
ARR: 04 JAN 84 CAPETOWN
AREA INDEX: SA4 SA6 IN9 IN6

STUDY WATER MASS CIRC. & FRONTS/S.A
ANTARCTIC CIRCUMPOLAR GYRES 64

OCEANUS

POINT OF CONTACT INFORMATION

POC: MR J D DONNELLY
 POC OFFICE: MANAGER
 POC ORGANIZATION: MARINE OPERATIONS
 POC ADDRESS: WOODS HOLE OCEANOGRAPHIC INST.
 POC CITY/STATE: WOODS HOLE MA 02543
 FTS PREFIX: 617
 COMMERCIAL AREA CODE: 617
 PHONE: 548-7400

ADMINISTRATIVE DETAILS

DESIGNATOR: RV
 CLASS: OCEANUS
 CALL SIGN (INTERNATIONAL): -
 FLEET: UNOLS
 SHIP TYPE: OCEAN RESEARCH-GENERAL
 SHIP OWNER: NSF
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: WOODS HOLE MA
 TECHNICAL SPONSOR: U WOODS HOLE OCEANOGRAPHIC INST.
 OPERATIONS CONTROL: WOODS HOLE OCEANOGRAPHIC INST.
 CONTRACTUAL INFORMATION: NONE
 OPERATING COST/DAY: 3,6/78 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 13
 NUMBER OFFICERS: 4
 NUMBER IN CREW: 8
 MAX SEA STATE: 3 BEAUFORT SCALE
 ENDURANCE: 30 DAY(S)
 LIMITING FACTOR: FUEL
 BUILDER: -
 WHERE BUILT: USA
 INITIAL COST: 3.5/75 MILLION \$'S IN YEAR
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: 19 DEC 74
 DELIVERY DATE: 00 NOV 75
 COMMISSION DATE: -
 CONVERSION DATE: -
 LAST OVERHAUL: -
 MAINTENANCE CYCLE: - YEARS
 END OF LIFE: 2000
 UPDATE OF INFORMATION: 16 DEC 82

SHIP DIMENSIONS

LENGTH: 177.0 FEET
 MAX BEAM: 33.0 FEET
 HEIGHT: 86.0 FEET
 GROSS TONNAGE: 297
 DISPLACEMENT: 960 TONS
 DRAUGHT: 17.5 FEET
 CRUISE SPEED: 14.0 KNOTS
 RANGE: 8000 NAUTICAL MILES
 MAX SPEED: 15.0 KNOTS
 MIN SPEED: 1.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	NO
NUMBER OF SHAFTS:	1
FUEL TYPE:	2 DIESEL
BOW THRUSTER:	TRAINABLE
ACTIVE RUDDER:	N
DYNAMIC POSITIONING:	N
ANTI-ROLL:	N
STABILIZER:	N
DEEP ANCHOR:	20000 FEET
BERTHING VAN DIMENSIONS:	8X8X20
INSTRUMENT VAN DIMENSIONS:	8X8X20
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	-
UTILITY BOATS:	
1. 15 FOOT RUBBER INFLATABLE	
2. 12 FOOT SKIFF	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	35000 POUNDS
NUMBER OF FRAMES:	3
CRANES OR BOOMS	
MAX HOIST CAPACITY:	24000 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	CORING
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.500 INCHES
02. MAJOR TYPE/USE:	HYDROGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	N
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	30000 FEET
WIRE DIAMETER:	0.187 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	HP 2100
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	N
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	Y
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	N
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	ROSS
SOUNDING SYSTEM (DEEP):	NO

OCEANUS

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE WHOI

DEP: 23 DEC 82 WOODS HOLE MAINTENANCE
ARR: 09 JAN 83 WOODS HOLE 18
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MCCARTNEY NSF

DEP: 10 JAN 83 WOODS HOLE CIRCULATION OF MID-DEPTH WATER MASS
ARR: 13 MAR 83 RIO DE JANEIRO, BR CEN.S.ATL. PORT CALL-RECIFE BR 63
AREA INDEX: NA6 NA9 NA10 SA1 SA3

OCEANOGRAPHIC RESEARCH STOMMEL NSF

DEP: 17 MAR 83 RIO DE JANEIRO, BR XBT SURVEY. 13S - 23S BRAZIL CURREN
ARR: 30 MAR 83 RIO DE JANEIRO, BR 14
AREA INDEX: SA3A SA3

OCEANOGRAPHIC RESEARCH MCCARTNEY NSF

DEP: 03 APR 83 RIO DE JANEIRO, BR CIRCULATION OF MID-WATER MASSES. S.
ARR: 16 APR 83 WALVIS BAY NAMIBIA W - E TRANSECT ALONG 22S 14
AREA INDEX: SA1 SA2 SA3 SA3A

OCEANOGRAPHIC RESEARCH WARREN NSF

DEP: 30 APR 83 WALVIS BAY NAMIBIA DEEP CIRCULATION/ANGOLA BASIN. S. A
ARR: 11 JUN 83 WOODS HOLE E-W TRANSECT 11S.PORT-RECIFE 43
AREA INDEX: SA2 SA1 NA10 NA9 NA6

OUT OF SERVICE WHOI

DEP: 12 JUN 83 WOODS HOLE MAINTENANCE
ARR: 07 JUL 83 WOODS HOLE 25
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH BUTMAN USGS

DEP: 08 JUL 83 WOODS HOLE CURRENTS & SEDIMENT DYNAMICS
ARR: 17 JUL 83 WOODS HOLE GEORGES BANK & GULF OF MAINE 9
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH SPINDEL NSF

DEP: 20 JUL 83 WOODS HOLE ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER
ARR: 26 JUL 83 WOODS HOLE OCEAN MOORINGS. S. OF BERMUDA 6
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH MADIN/SWANBERG NSF

DEP: 01 AUG 83 WOODS HOLE BIOLOGY OF GELATINOUS ZOOPLANKTON
ARR: 15 AUG 83 ST.JOHNS, NFLND W. NORTH ATLANTIC 14
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH JANNASCH NSF

DEP: 18 AUG 83 ST.JOHNS, NFLND MICROPIAL TRANSFORMATIONS IN DEEP S
ARR: 31 AUG 83 WOODS HOLE W. NO.ATL. ABYSSAL PLAIN AREA 13
AREA INDEX: NA6

OCEANOGRAPHIC RESEARCH HOLLISTER ONR

DEP: 14 SEP 83 WOODS HOLE HEBBLE - MOORINGS RECOVERY
 ARR: 18 SEP 83 WOODS HOLE NOVA SCOTIA RISE 4
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH CHASE NASA
 DEP: 23 SEP 83 WOODS HOLE FIELD TEST SATELLITE-LINKED OCEAN O
 ARR: 26 SEP 83 WOODS HOLE SERVING SYS(RELAYS) W.NO.ATL. 3
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH SPINDEL ONR
 DEP: 30 SEP 83 WOODS HOLE ACOUSTIC TOMOGRAPHY, DEPLOY/RECOVER
 ARR: 06 OCT 83 WOODS HOLE OCEAN MOORING. S. OF BERMUDA 6
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH BRISCOE ONR/NASA
 DEP: 12 OCT 83 WOODS HOLE UPPER OCEAN VARIABILITY(LOTUS) 34N,
 ARR: 20 OCT 83 WOODS HOLE WESTERN NORTH ATLANTIC 8
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH BUTMAN USGS
 DEP: 27 OCT 83 WOODS HOLE CURRENTS & SEDIMENT DYNAMICS
 ARR: 03 NOV 83 WOODS HOLE GEORGES BANK & GULF OF MAINE 7
 AREA INDEX: NA6
 OCEANOGRAPHIC RESEARCH GRASSLE BLM
 DEP: 09 NOV 83 WOODS HOLE BASELINE ECOLOGICAL STUDIES IN OFFS
 ARR: 20 NOV 83 WOODS HOLE DRILLING AREAS. GEORGES BANK 11
 AREA INDEX: NA6
 OPEN
 DEP: 01 DEC 83 WOODS HOLE OPEN 15
 ARR: 16 DEC 83 WOODS HOLE
 AREA INDEX: OPEN

 POINT OF CONTACT INFORMATION

SHIP NAME: JOHNSON
 NAME: ROGER W COOK
 OFFICE: DIRECTOR, MARINE OPERATIONS
 ORGANIZATION: HARBOR BRANCH FOUNDATION INC
 ADDRESS: R R 1 BOX 196
 CITY-STATE: FORT PIERCE FL 33450
 COMMERCIAL AREA CODE: 305
 PHONE: 465-2400

SHIP DIMENSIONS

LENGTH: 123.7 FEET
 MAX BEAM: 27.4 FEET
 DISPLACEMENT: 325 TONS
 DRAUGHT: 10.7 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 2800 NAUTICAL MILES

JOHNSON LAST CHANGED 18 NOV 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE		HARBOR BRANCH
DEP: 04 JAN 83 FORT PIERCE, FL	ANNUAL MAINTENANCE	
ARR: 28 JAN 83 FORT PIERCE, FL		24
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	MILLER	HARBOR BRANCH
DEP: 14 MAR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 18 MAR 83 FORT PIERCE, FL		4
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	HOSKIN	HARBOR BRANCH
DEP: 10 APR 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 15 APR 83 FORT PIERCE, FL		5
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		HARBOR BRANCH
DEP: 16 APR 83 FORT PIERCE, FL	TRAINING	
ARR: 22 APR 83 FORT PIERCE, FL		6
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	YOUNG LUTH	HARBOR BRANCH
DEP: 01 MAY 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 20 MAY 83 FORT PIERCE, FL		19
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	VIRNSTEIN	HARBOR BRANCH
DEP: 06 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	
ARR: 07 JUN 83 FORT PIERCE, FL		1
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH	HOSKIN	HARBOR BRANCH

DEP: 13 JUN 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 17 JUN 83 FORT PIERCE, FL 4
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

DEP: 20 JUN 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 24 JUN 83 FORT PIERCE, FL 4
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 05 JUL 83 FORT PIERCE, FL SPECIAL MISSION
 ARR: 02 SEP 83 FORT PIERCE, FL 59
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

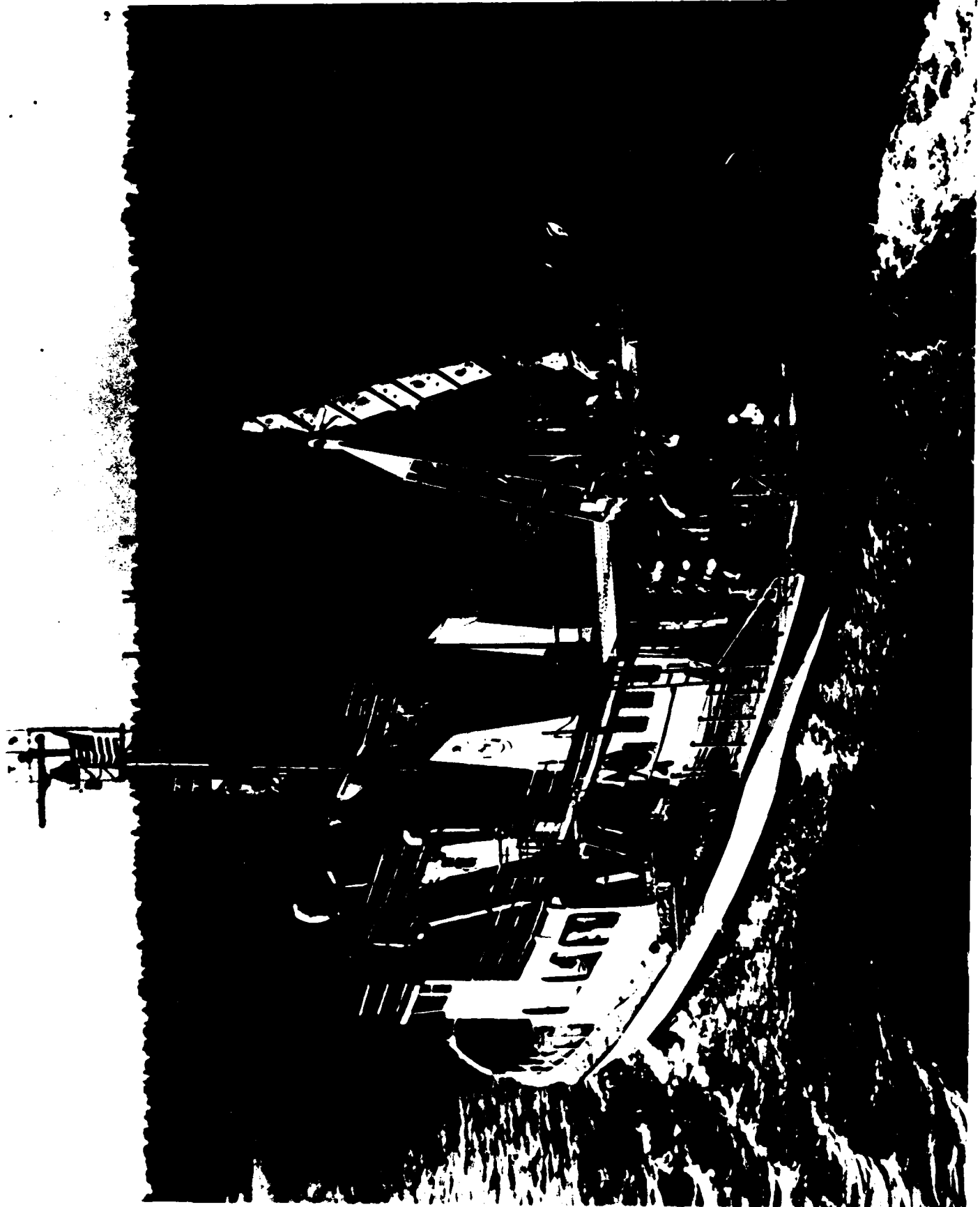
DEP: 12 SEP 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 16 SEP 83 FORT PIERCE, FL 4
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH HOSKIN HARBOR BRANCH

DEP: 19 SEP 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 27 SEP 83 FORT PIERCE, FL 4
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 02 OCT 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 28 OCT 83 FORT PIERCE, FL 26
 AREA INDEX: NA9 NA6 NP13
 OCEANOGRAPHIC RESEARCH MILLER HARBOR BRANCH

DEP: 07 NOV 83 FORT PIERCE, FL SCIENCE MISSION
 ARR: 10 NOV 83 FORT PIERCE, FL 3
 AREA INDEX: NA9 NA6
 OCEANOGRAPHIC RESEARCH HARBOR BRANCH

DEP: 17 NOV 83 FORT PIERCE, FL TRAINING
 ARR: 23 NOV 83 FORT PIERCE, FL 10
 AREA INDEX: NA9 NA6



POINT OF CONTACT INFORMATION

SHIP NAME: SEA DIVER
NAME: ROGER W COOK
OFFICE: DIRECTOR, MARINE OPERATIONS
ORGANIZATION: HARBOR BRANCH FOUNDATION INC
ADDRESS: R R 1 BOX 190
CITY-STATE: FORT PIERCE FL 37450
COMMERCIAL AREA CODE: 305
PHONE: 465-2400

SHIP DIMENSIONS

LENGTH: 98.6 FEET
MAX BEAM: 23.1 FEET
DISPLACEMENT: 274 TONS
DRAUGHT: 9.1 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 5000 NAUTICAL MILES

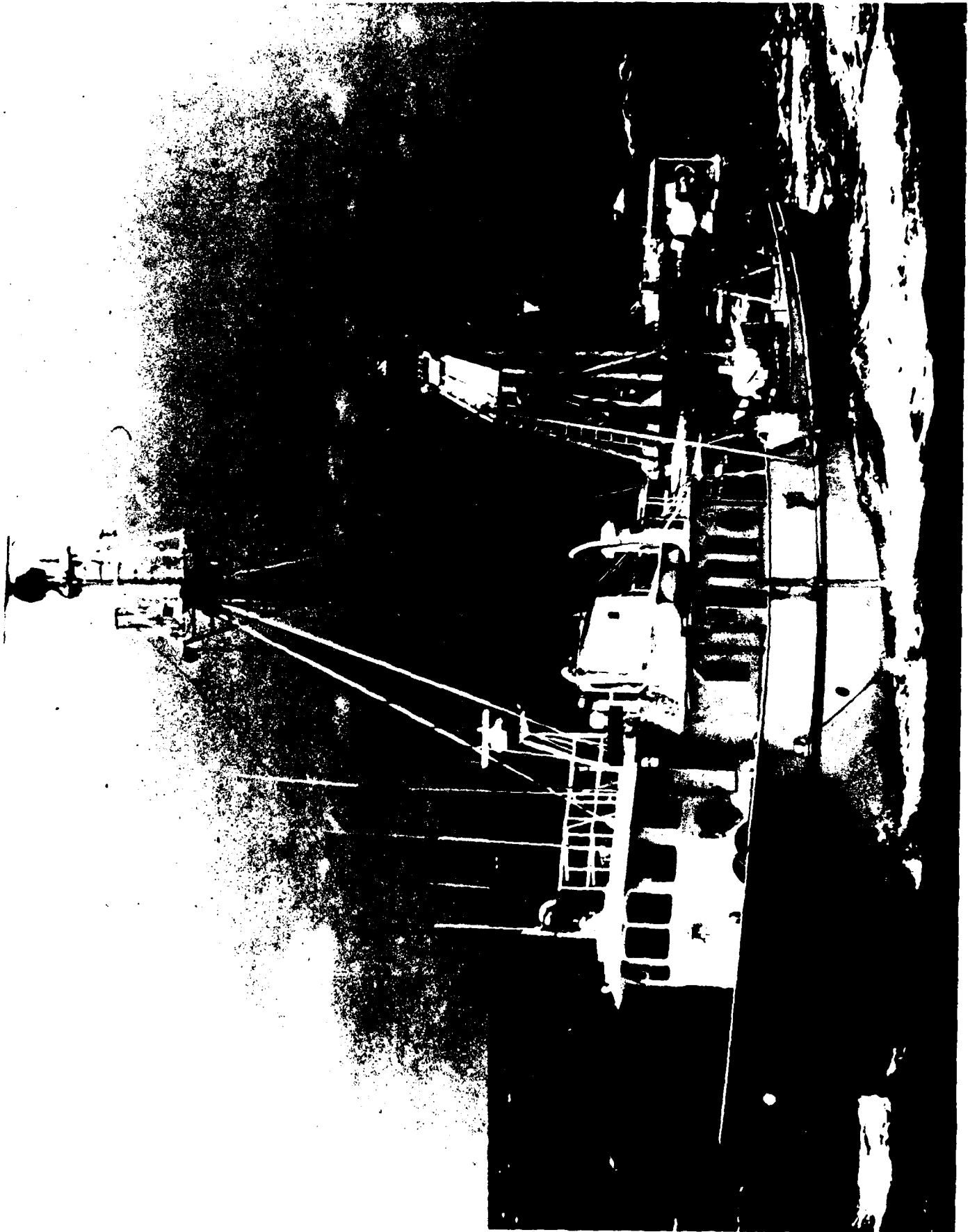
SEA DIVER

LAST CHANGED 18 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

Table with columns for service type, dates, location, mission, and count. Includes entries for 'OUT OF SERVICE', 'OCEANOGRAPHIC RESEARCH', and 'SCIENCE MISSION'.

DEP: 27 JUN 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 01 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 05 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	13
ARR: 18 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	SMITH	HARBOR BRANCH
DEP: 21 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	1
ARR: 22 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 27 JUL 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 29 JUL 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 03 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 05 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 10 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 12 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 17 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 19 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
DEP: 24 AUG 83 FORT PIERCE, FL	SCIENCE MISSION	2
ARR: 26 AUG 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	BLAIR	HARBOR BRANCH
DEP: 06 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	3
ARR: 09 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 12 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 16 SEP 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	YOUNG LUTH	HARBOR BRANCH
DEP: 25 SEP 83 FORT PIERCE, FL	SCIENCE MISSION	19
ARR: 14 OCT 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	GIBSON/MONTGOMERY	HARBOR BRANCH
DEP: 31 OCT 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 04 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH	BLAIR	HARBOR BRANCH
DEP: 07 NOV 83 FORT PIERCE, FL	SCIENCE MISSION	4
ARR: 11 NOV 83 FORT PIERCE, FL		
AREA INDEX: NA6 NA9		



 POINT OF CONTACT INFORMATION

SHIP NAME: WESTWARD
 NAME: WALLACE C STARK
 OFFICE: MARINE SUPERINTENDENT
 ORGANIZATION: SEA EDUCATION ASSOCIATION
 ADDRESS: P.O. BOX 6
 CITY-STATE: WOODS HOLE MA 02543
 FTS PREFIX: 617
 COMMERCIAL AREA CODE: 617
 PHONE: 540-3954

SHIP DIMENSIONS

LENGTH: 125.0 FEET
 MAX BEAM: - FEET
 DISPLACEMENT: 250 TONS
 DRAUGHT: - FEET
 CRUISE SPEED: 7.0 KNOTS
 RANGE: - NAUTICAL MILES

WESTWARD

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

SEA SEMESTER PROGRAM	A W STONER	SEA EDUCATION
DEP: 24 NOV 82 ST. THOMAS, VI	SARGASSO SEA, SHELF-HISPANIOLA, FL ST	
ARR: 05 JAN 83 MIAMI	PORT-CAICOS IS., BELIZE	43
AREA INDEX: NA9		
SEA SEMESTER PROGRAM		SEA EDUCATION
DEP: 02 FEB 83 MIAMI, FL	CARIBBEAN & BAHAMAS	
ARR: 16 MAR 83 MIAMI, FL		42
AREA INDEX: NA9		
DEP: 06 APR 83 KEY WEST, FL	WEST CENTRAL ATLANTIC	
ARR: 19 MAY 83 WOODS HOLE, MA		42
AREA INDEX: NA9 NA6		
DEP: 01 JUN 83 WOODS HOLE, MA	BERMUDA & N.W. ATLANTIC	
ARR: 13 JUL 83 ROCKLAND, ME		42
AREA INDEX: NA6		
DEP: 20 JUL 83 ROCKLAND, ME	NORTHWESTERN ATLANTIC	
ARR: 31 AUG 83 BOSTON, MA		42
AREA INDEX: NA6		
DEP: 12 OCT 83 WOODS HOLE, MA	CENTRAL ATLANTIC	
ARR: 23 NOV 83 ST. THOMAS, VI		42
AREA INDEX: NA6 NA9		
DEP: 30 NOV 83 ST. THOMAS, VI	CARIBBEAN	
ARR: 11 JAN 84 MIAMI, FL		42
AREA INDEX: NA9		

OTHER UNIVERSITY OR INSTITUTIONAL VESSELS

(OVER 50 FT. LOA)

The following is a listing of other university research vessels registered with the University - National Oceanographic Laboratory System (UNOLS) Office and for which schedules have not been received or are not routinely prepared in advance. These vessels take regular cruises in local waters and, unless otherwise indicated, the nature of the work is general oceanography, coastal research and student training.

Most of these vessels are able to accommodate cooperative projects within the capability of the vessel either on a not-to-interfere or on a reimbursable basis. Further information should be obtained from the listed contact. Corrections and additions should be submitted to the UNOLS Office.

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Southern Main Vocational Technical Institute Dept. of Marine Science and Technology Fort Road South Portland, Maine 04106	AQUALAB III	146	New England Coast	Brian Hathaway (207)799-7303
Massachusetts Institute of Technology Sea Grant College Program 292 Main Street Bldg. E-28, Rm. 366 Cambridge, Massachusetts 02142	EDGERTON	65	New England Coast	Arthur Clifton (617)253-7136
Southeastern Massachusetts University North Dartmouth, Massachusetts 02747	CORSAIR	65	Cape Cod Waters	Jefferson Turner (617)999-8229
University of Connecticut Marine Science Institute SE Branch, Avery Point Groton, Connecticut 06340	UCONN	65	Southern New England Coast Long Island Sound	Sung Feng (203)446-1020, Ext. 211
Marine Sciences Research Center State University of New York Stony Brook, New York 11794	ONRUST	55	New York Bight Long Island Sound Hudson River	Fred G. Roberts (516)246-6546

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Hobart & William Smith Colleges Geneva, New York 14456	HOBART & WILLIAM SMITH EXPLORER	65	Finger Lakes and Great Lakes	F. Richard Wilkens (315)789-5500, Ext. 213
State University College at Buffalo 1300 Elmwood Avenue Buffalo, New York 14222	C.A. DAMBACH	65	Great Lakes	Robert A. Sweeney (716)878-5422
University of Wisconsin-Milwaukee Center for Great Lakes Studies Milwaukee, Wisconsin 53201	NEESKAY	65	Great Lakes	Donald F. Mraz (414)224-3007
University of Maryland Chesapeake Biological Lab Solomons, Maryland 20688	AQUARIUS ORION	65 62	Chesapeake Bay	Elgin A. Dunnington (301)326-4281
Old Dominion University Dept. of Oceanography Box 6173 Norfolk, Virginia 23508	LINWOOD HOLTON	65	Chesapeake Bay Mid-Atlantic Coast	William S. Dunston (804)440-4285
Virginia Institute of Marine Science Gloucester Point Virginia 23062	RETRIEVER	115	Mid-Atlantic Coast Chesapeake Bay	John M. Zeigler (804)642-2111
The Marine Science Consortium, Inc. P. O. Box 16 Wallops Island, Virginia 23337	DELAWARE BAY	50	NJ to VA to 50 mi. offshore	Robert W. Hinds (804)824-5636
Bermuda Biological Station St. George's West Bermuda	PANULIRUS II	64	Bermuda	Anthony H. Knap (809)297-1880
Cape Fear Technical Institute 411 North Front Street Wilmington, North Carolina 28401	NORTH STAR	73	Atlantic Coast	Arthur W. Jordan (919)343-0481, Ext. 244
Florida Institute of Technology Melbourne, Florida 32901	TURSIOPS	65	Savannah Bight Florida, Bahamas	Jack Morton (305)723-3701, Ext. 302

INSTITUTION	SHIP NAME	LOA (FT)	AREA OF OPERATION	CONTACT
Nova University Ocean Sciences Center 8000 North Ocean Drive Dania, Florida 33004	ENDLESS SEAS	67	Florida Coastal Waters	Jan Witte (305)475-8330, Ext. 288
Florida Institute for Oceanography 830 First Street, South St. Petersburg, Florida 33701	BELLOWS SUNCOASTER	65 110	Florida Coast Gulf of Mexico Caribbean	William W. Behrens (813)893-9100 FTS 826-2211
Marine Environmental Sciences Consortium Dauphin Island Sea Laboratory P. O. Box 386 Dauphin Island, Alabama 36528	G.A.ROUNSEFELL	65	Gulf of Mexico	Fred Rees (205)861-2141
University of Puerto Rico Dept. of Marine Sciences Mayaguez, Puerto Rico 00708	CRAWFORD MEDUSA	125 56	Caribbean Sea	M.L. Hernandez- Avi (809)832-4040, Ext. 3439
Gulf Coast Research Laboratory P. O. Drawer AG Ocean Springs, Mississippi 39565	GULF RESEARCHER	65	Gulf of Mexico	Harold D. Howse (601)875-2244
Occidental College Department of Biology 1600 Campus Road Los Angeles, California 90041	VANTUNA	85	California Coast	John S. Stephens (213)259-2675
University of Michigan 2200 Bonisteel Blvd. Ann Arbor, Michigan 48109	LAURENTIAN	80	Great Lakes	Clifford Tetzloff (313)763-3183

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS BARTLETT
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 210.3 FEET
 MAX BEAM: 39.5 FEET
 DISPLACEMENT: 1325 TONS
 DRAUGHT: 18.0 FEET
 CRUISE SPEED: 9.0 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS BARTLETT LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

.....		NAVOCEANO
DEP: 03 JAN 83 BAYONNE, NJ	ENROUTE	
ARR: 04 JAN 83 WOODS HOLE, MA		1
AREA INDEX: NA6		
.....		APL/UW
DEP: 07 JAN 83 WOODS HOLE, MA	APL/UW 1303-83 WINTER CONVECTION	17
ARR: 24 JAN 83 WOODS HOLE, MA		
AREA INDEX: NA6		
.....		MSC
OUT OF SERVICE		
DEP: 26 JAN 83 WOODS HOLE, MA	ENROUTE TO YARD	
ARR: 31 JAN 83 PORT TBD		5
AREA INDEX: NA6		
DEP: 31 JAN 83 PORT TBD	YARD / OVERHAUL	
ARR: 02 MAR 83 PORT TBD		30
AREA INDEX: NA6		
DEP: 02 MAR 83 PORT TBD	RFS PERIOD.	
ARR: 07 MAR 83 PORT TBD		5
AREA INDEX: NA6		
.....		NAVOCEANO
OCEANOGRAPHIC RESEARCH		
DEP: 07 MAR 83 PORT TBD	NAVOCEANO 1304-83 SPONSOR SHAKEDOWN	4
ARR: 11 MAR 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
.....		NORDA
OCEANOGRAPHIC RESEARCH		
DEP: 15 MAR 83 PORT EVERGLADES FL	NORDA 1305-83 CAVITATION	

ARR: 01 APR 83 PORT EVERGLADES FL		17
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH		NOSC
DEP: 06 APR 83 PORT EVERGLADES FL	NOSC 1306-83 MICROSTRUCTURE I	6
ARR: 12 APR 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
DEP: 15 APR 83 PORT EVERGLADES FL	NOSC 1306-83 MICROSTRUCTURE I	20
ARR: 05 MAY 83 BERMUDA		
AREA INDEX: NA6 NA9		
DEP: 10 MAY 83 BERMUDA	NOSC 1306-83 MICROSTRUCTURE I	20
ARR: 30 MAY 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NORDA
DEP: 13 JUN 83 PORT EVERGLADES FL	NORDA 1307-83 DEEP TOWED GEOPHYSICS	24
ARR: 07 JUL 83 PORT EVERGLADES FL		
AREA INDEX: NA9 NA6		
OCEANOGRAPHIC RESEARCH		NOSC
DEP: 11 JUL 83 PORT EVERGLADES FL	NOSC 1308-83 MICROSTRUCTURE II	16
ARR: 27 JUL 83 BERMUDA		
AREA INDEX: NA6 NA9		
DEP: 30 JUL 83 BERMUDA	NOSC 1308-83 MICROSTRUCTURE II	16
ARR: 15 AUG 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NORDA
DEP: 29 AUG 83 PORT EVERGLADES FL	NORDA 1309-83 BERMEX	16
ARR: 14 SEP 83 PORT EVERGLADES FL		
AREA INDEX: NA6 NA9		
OCEANOGRAPHIC RESEARCH		NRL
DEP: 19 SEP 83 PORT EVERGLADES FL	NRL 1310-83 PROJECT K154	21
ARR: 10 OCT 83 PORT TND		
AREA INDEX: NA6 NA9		

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS SILAS BENT
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 285.3 FEET
 MAX BEAM: 48.0 FEET
 DISPLACEMENT: 2500 TONS
 DRAUGHT: 19.0 FEET
 CRUISE SPEED: 13.5 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS SILAS BENT

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	MSC	
DEP: 20 DEC 82 OAKLAND, CA	PRE-YARD PERIOD AND HOLIDAY INPORT	
ARR: 20 JAN 83 OAKLAND, CA		32
AREA INDEX: NP9		
DEP: 20 JAN 83 OAKLAND, CA	YARD	
ARR: 21 FEB 83 OAKLAND, CA		32
AREA INDEX: NP9		
DEP: 21 FEB 83 OAKLAND, CA	HOLAS INSTALLATION	
ARR: 21 MAR 83 OAKLAND, CA		28
AREA INDEX: NP9		
OUT OF SERVICE		
DEP: 21 MAR 83 OAKLAND, CA	TEST AND SHAKEDOWN	
ARR: 11 APR 83 PEARL HARBOR, HI		21
AREA INDEX: NP9 NP12		
OCEANOGRAPHIC SURVEYS	OMP	
DEP: 15 APR 83 PEARL HARBOR, HI	SURVOPS 2403-83 OMP	
ARR: 09 MAY 83 KODIAK, AK		24
AREA INDEX: NP12 NP9 NP6		
DEP: 13 MAY 83 KODIAK, AK	SURVOPS 2404-83 OMP	
ARR: 03 JUN 83 SEATTLE, WA		21
AREA INDEX: NP6 NP9		
OCEANOGRAPHIC SURVEYS	NESC	
DEP: 08 JUN 83 SEATTLE, WA	SURVOPS 2405-83 NESC	
ARR: 01 JUL 83 KODIAK, AK		23

AREA INDEX: NP9 NP6

DEP: 06 JUL 83 KODIAK, AK SURVOPS 2605-83 NESC 21
ARR: 27 JUL 83 ANCHORAGE, AK
AREA INDEX: NP9 NP6

DEP: 01 AUG 83 ANCHORAGE, AK SURVOPS 2605-83 NESC 22
ARR: 23 AUG 83 OAKLAND, CA
AREA INDEX: NP9 NP6

OUT OF SERVICE MSC

DEP: 23 AUG 83 OAKLAND, CA UPKEEP
ARR: 06 SEP 83 OAKLAND, CA 14
AREA INDEX: NP9

OCEANOGRAPHIC SURVEYS NEA

DEP: 06 SEP 83 OAKLAND, CA SURVOPS 2606-83 NEA 23
ARR: 29 SEP 83 OAKLAND, CA
AREA INDEX: NP9

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS CHAUVENET
 NAME: PAUL TAYLOR
 OFFICE: MCRG OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 688-4050

SHIP DIMENSIONS

LENGTH: 393.1 FEET
 MAX BEAM: 54.1 FEET
 DISPLACEMENT: 4370 TONS
 DRAUGHT: 17.5 FEET
 CRUISE SPEED: 15.0 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS CHAUVENET

LAST CHANGED 26 NOV 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS

NAVOCEANO

DEP: 03 JAN 83 SUBIC BAY, RP	SURVOPS 1-83	
ARR: 24 JAN 83 JAKARTA, ID		22
AREA INDEX: IN5 NP10 IN4		
DEP: 29 JAN 83 JAKARTA, ID	SURVOPS 2-83	
ARR: 21 FEB 83 SUBIC BAY, RP		25
AREA INDEX: IN5 NP10 IN4		
DEP: 25 FEB 83 SUBIC BAY, RP	SURVOPS 3-83	
ARR: 21 MAR 83 SUBIC BAY, RP		25
AREA INDEX: IN5 NP10		
DEP: 25 MAR 83 SUBIC BAY, RP	SURVOPS 4-83	
ARR: 19 APR 83 SINGAPORE		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 22 APR 83 SINGAPORE	SURVOPS 5-83	
ARR: 16 MAY 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 20 MAY 83 SUBIC BAY, RP	SURVOPS 6-83	
ARR: 13 JUN 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5		
DEP: 17 JUN 83 SUBIC BAY, RP	SURVOPS 7-83	
ARR: 11 JUL 83 SINGAPORE		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 15 JUL 83 SINGAPORE	SURVOPS 8-83	
ARR: 08 AUG 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5 IN4 IN2		
DEP: 12 AUG 83 SUBIC BAY, RP	SURVOPS 9-83	
ARR: 05 SEP 83 SUBIC BAY, RP		25
AREA INDEX: NP10 IN5		

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS DE STEIGUER
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 689-4005

SHIP DIMENSIONS

LENGTH: 210.3 FEET
 MAX BEAM: 39.5 FEET
 DISPLACEMENT: 1325 TONS
 DRAUGHT: 18.0 FEET
 CRUISE SPEED: 9.0 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS DE STEIGUER LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	MSC	
DEP: 29 NOV 82 SAN DIEGO, CA	OVERHAUL. SOUTHWEST MARINE YARD.	
ARR: 03 JAN 83 SAN DIEGO, CA		36
AREA INDEX: NPG		
DEP: 07 JAN 83 SAN DIEGO, CA	RFS PERIOD.	
ARR: 09 JAN 83 SAN DIEGO, CA		6
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH	NAVOCEANO	
DEP: 08 JAN 83 SAN DIEGO, CA	SPONSOR SHAKETOWN/CSDG-1	
ARR: 14 JAN 83 SAN DIEGO, CA		7
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH	NOSC	
DEP: 18 JAN 83 SAN DIEGO, CA	NOSC 1202-83 PASSIVE RANGING	
ARR: 29 JAN 83 SAN DIEGO, CA		10
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH	NORDA	
DEP: 01 FEB 83 SAN DIEGO, CA	NORDA 1207-83 VERTICAL ARRAY	
ARR: 21 FEB 83 SAN DIEGO, CA		21
AREA INDEX: NPG		
OCEANOGRAPHIC RESEARCH	NOSC	
DEP: 25 FEB 83 SAN DIEGO, CA	NOSC 1204-83 AAUS-I	
ARR: 17 MAR 83 OAKLAND, CA		20
AREA INDEX: NPG		
DEP: 21 MAR 83 OAKLAND, CA	NOSC 1204-83 AAUS-I	

ARR: 09 APR 83 SEATTLE, WA 19
 AREA INDEX: NP9

 OCEANOGRAPHIC RESEARCH NAVOCEANO
 DEP: 21 APR 83 SEATTLE, WA ENROUTE
 ARR: 02 MAY 83 ADAK, AK 11
 AREA INDEX: NP0 NP6 NP5

 OCEANOGRAPHIC RESEARCH NORDA
 DEP: 06 MAY 83 ADAK, AK NORDA 1205-83 MARINE SEISMICS (MSS)
 ARR: 25 MAY 83 ADAK, AK 10
 AREA INDEX: NP5

 OCEANOGRAPHIC RESEARCH APL/UW
 DEP: 30 MAY 83 ADAK, AK APL/UW 1205-83 MULTI-SCAN PROFILER
 ARR: 20 JUN 83 ADAK, AK 21
 AREA INDEX: NP5 NP5 NP6

 OCEANOGRAPHIC RESEARCH NORDA
 DEP: 24 JUN 83 ADAK, AK NORDA 1205-83 MARINE SEISMICS (MSS)
 ARR: 13 JUL 83 ADAK, AK 19
 AREA INDEX: NP5

 OCEANOGRAPHIC RESEARCH NAVOCEANO
 DEP: 18 JUL 83 ADAK, AK ENROUTE
 ARR: 28 JUL 83 SEATTLE, WA 10
 AREA INDEX: NP5 NP5 NP0

 OCEANOGRAPHIC RESEARCH NOSC
 DEP: 10 AUG 83 SEATTLE, WA NOSC 1207-83 AAUS-II
 ARR: 26 AUG 83 OAKLAND, CA 16
 AREA INDEX: NP9

 DEP: 31 AUG 83 OAKLAND, CA NOSC 1207-83 AAUS-II
 ARR: 19 SEP 83 SAN DIEGO, CA 19
 AREA INDEX: NP9

 OCEANOGRAPHIC RESEARCH APL/JHU
 DEP: 26 SEP 83 SAN DIEGO, CA APL/JHU 1208-83 STANDARD AURA
 ARR: 21 OCT 83 PORT TBD 25
 AREA INDEX: NP0

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS HARKNESS
 NAME: PAUL TAYLOR
 OFFICE: MCRG OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494

 COMMERCIAL AREA CODE: 601
 PHONE: 688-4050

SHIP DIMENSIONS

LENGTH: 393.1 FEET
 MAX BEAM: 54.0 FEET
 DISPLACEMENT: 4330 TONS
 DRAUGHT: 17.5 FEET
 CRUISE SPEED: 15.0 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS HARKNESS

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

HYDROGRAPHIC SURVEYS

NAVOCEANO

DEP: 03 JAN 83 GULFPORT, MS	SURVOPS 3-83	
ARR: 24 JAN 83 ROOSEVELT ROADS PR		22
AREA INDEX: NA9		
DEP: 28 JAN 83 ROOSEVELT ROADS PR	SURVOPS 4-83	
ARR: 21 FEB 83 WILLEMSTAD, CURACO		24
AREA INDEX: NA9		
DEP: 25 FEB 83 WILLEMSTAD, CURACO	SURVOPS 5-83	
ARR: 21 MAR 83 PORT EVERGLADES FL		24
AREA INDEX: NA9		
DEP: 25 MAR 83 PORT EVERGLADES FL	SURVOPS 6-83	
ARR: 18 APR 83 INPORT TBD		24
AREA INDEX: NA9		
DEP: 22 APR 83 INPORT TBD	SURVOPS 7-83	
ARR: 16 MAY 83 INPORT TBD		24
AREA INDEX: NA9		

OUT OF SERVICE

MSC

DEP: 16 MAY 83 INPORT TBD	UPKEEP PRIOR TO EXTENDED OVERSEAS	
ARR: 06 JUN 83 INPORT TBD	DEPLOYMENT	21
AREA INDEX: NA6		

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS KANE
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 285.3 FEET
 MAX BEAM: 48.0 FEET
 DISPLACEMENT: 2489 TONS
 DRAUGHT: 19.0 FEET
 CRUISE SPEED: 14.5 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS KANE

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC SURVEYS			NESC
DEP: 05 JAN 83	FORT LAUDERDALE FL	SURVOPS 2703-83	NESC
ARR: 28 JAN 83	ROOSEVELT ROADS PR		23
AREA INDEX: NA9			
DEP: 02 FEB 83	ROOSEVELT ROADS PR	SURVOPS 2703-83	NESC
ARR: 24 FEB 83	CHARLESTON, SC		22
AREA INDEX: NA9	NA6		
OUT OF SERVICE			MSC
DEP: 24 FEB 83	CHARLESTON, SC	UPKEEP - MID-TERM	
ARR: 11 MAR 83	CHARLESTON, SC		15
AREA INDEX: NA6			
OCEANOGRAPHIC SURVEYS			NAVOCEANO
DEP: 11 MAR 83	CHARLESTON, SC	ENROUTE	
ARR: 25 MAR 83	GLASGOW, UK		14
AREA INDEX: NA6	NA7	NA5	
DEP: 01 APR 83	GLASGOW, UK	SURVOPS 2704-83	NEA
ARR: 22 APR 83	GLASGOW, UK		22
AREA INDEX: NA5			
DEP: 27 APR 83	GLASGOW, UK	SURVOPS 2704-83	NEA
ARR: 20 MAY 83	GLASGOW, UK		23
AREA INDEX: NA5			
DEP: 25 MAY 83	GLASGOW, UK	SURVOPS 2705-83	MINE WARFARE
ARR: 17 JUN 83	GLASGOW, UK		23
AREA INDEX: NA5			

OUT OF SERVICE

MSC

DEP: 17 JUN 83 GLASGOW, UK
ARR: 01 JUL 83 GLASGOW, UK
AREA INDEX: NA5

UPKEEP

14

OCEANOGRAPHIC SURVEYS

NESC

DEP: 27 JUL 83 GLASGOW, UK
ARR: 19 AUG 83 REYKJAVIK, IC
AREA INDEX: NA5 NA1

SURVOPS 2706-83 NESC

23

DEP: 24 AUG 83 GLASGOW, UK
ARR: 16 SEP 83 NORFOLK, VA
AREA INDEX: NA1 NA4 NA5

SURVOPS 2706-83 NESC

23

OUT OF SERVICE

MSC

DEP: 16 SEP 83 NORFOLK, VA
ARR: 30 SEP 83 NORFOLK, VA
AREA INDEX: NA5

UPKEEP

14

 POINT OF CONTACT INFORMATION

SHIP NAME: USNS LYNCH
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 689-4005

SHIP DIMENSIONS

LENGTH: 208.8 FEET
 MAX BEAM: 39.0 FEET
 DISPLACEMENT: 1409 TONS
 DRAUGHT: 12.0 FEET
 CRUISE SPEED: 9.0 KNOTS
 RANGE: 12000 NAUTICAL MILES

USNS LYNCH

LAST CHANGED 06 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE	MSC	
DEP: 03 JAN 83 CULFPORT, MS	ENROUTE	
ARR: 07 JAN 83 PORT TBD		4
AREA INDEX: NA9		
DEP: 07 JAN 83 PORT TBD	YARD/OVERHAUL	
ARR: 24 JAN 83 PORT TBD		17
AREA INDEX: NA9		
DEP: 24 JAN 83 PORT TBD	RFS PERIOD.	
ARR: 28 JAN 83 PORT TBD		4
AREA INDEX: NA9		
DEP: 28 JAN 83 PORT TBD	SPONSOR SHAKEDOWN	
ARR: 04 FEB 83 PORT EVERGLADES FL		7
AREA INDEX: NA9		
OCEANOGRAPHIC RESEARCH	NORDA	
DEP: 08 FEB 83 PORT EVERGLADES FL	NORDA 704-83 VOLUME SCATTERERS	
ARR: 24 FEB 83 ROOSEVELT ROADS PR		16
AREA INDEX: NA6 NA9		
DEP: 29 FEB 83 ROOSEVELT ROADS PR	ENROUTE	
ARR: 21 MAR 83 GLASGOW, UK		21
AREA INDEX: NA9 NA6 NA7 NA5		
OUT OF SERVICE	MSC	
DEP: 21 MAR 83 GLASGOW, UK	UPKEEP	
ARR: 01 APR 83 GLASGOW, UK		11
AREA INDEX: NA5		
OCEANOGRAPHIC RESEARCH	NRL	

POINT OF CONTACT INFORMATION

SHIP NAME: USNS WILKES
 NAME: MR RICHARD G EVANS
 OFFICE: OCEANOGRAPHIC OPS DESK
 ORGANIZATION: NAVOCEANO
 ADDRESS: NSTL STATION
 CITY-STATE: BAY ST LOUIS MS 39522
 AUTOVON PREFIX: 485
 FTS PREFIX: 494
 COMMERCIAL AREA CODE: 601
 PHONE: 688-4005

SHIP DIMENSIONS

LENGTH: 286.7 FEET
 MAX BEAM: 48.1 FEET
 DISPLACEMENT: 2586 TONS
 DRAUGHT: 19.0 FEET
 CRUISE SPEED: 15.4 KNOTS
 RANGE: 7200 NAUTICAL MILES

USNS WILKES

LAST CHANGED 13 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

NAVOCEANO

DEP: 13 DEC 82 GULFPORT, MS INSTALL NAVOCEANO COMPUTER EQUIPMEN
 ARR: 08 JAN 83 GULFPORT, MS 27
 AREA INDEX: NA9

DEP: 15 JAN 83 GULFPORT, MS TEST /SHAKEDOWN
 ARR: 26 JAN 83 GULFPORT, MS 11
 AREA INDEX: NA9

OCEANOGRAPHIC SURVEYS

NAVOCEANO

DEP: 31 JAN 83 GULFPORT, MS ENROUTE
 ARR: 16 FEB 83 FORTALEZA, BR 16
 AREA INDEX: NA9 NA10 SA1

DEP: 21 FEB 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
 ARR: 16 MAR 83 RIO DE JANEIRO, BR 23
 AREA INDEX: SA1

DEP: 21 MAR 83 RIO DE JANEIRO, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
 ARR: 17 APR 83 RECIFE, BR 23
 AREA INDEX: SA1

DEP: 27 APR 83 RECIFE, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
 ARR: 19 MAY 83 SALVADOR 22
 AREA INDEX: SA1

DEP: 24 MAY 83 SALVADOR SURVOPS 3701-83 ENVIRONMENTAL OPS
 ARR: 15 JUN 83 FORTALEZA, BR 22
 AREA INDEX: SA1

DEP: 21 JUN 83 FORTALEZA, BR SURVOPS 3301-83 ENVIRONMENTAL OPS
 ARR: 13 JUL 83 ASCENSION ISLAND 22
 AREA INDEX: SA1

DEP: 10 JUL 83 ASCENSION ISLAND SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 09 AUG 83 RECIFE, BR 22
AREA INDEX: SA1

DEP: 23 AUG 83 RECIFE, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 14 SEP 83 RIO DE JANEIRO, BR 22
AREA INDEX: SA1

DEP: 19 SEP 83 RIO DE JANEIRO, BR SURVOPS 3701-83 ENVIRONMENTAL OPS
ARR: 12 OCT 83 PORT TBD 23
AREA INDEX: SA1

 POINT OF CONTACT INFORMATION

SHIP NAME: ACANIA
 NAME: CHRISTOPHER MOOERS
 OFFICE: CHAIRMAN
 ORGANIZATION: DEPARTMENT OF OCFANOGRAPHY
 ADDRESS: NAVAL POSTGRADUATE SCHOOL
 CITY-STATE: MONTEREY CA 93940
 AUTOVON PREFIX: 878
 FTS PREFIX: 408
 COMMERCIAL AREA CODE: 408
 PHONE: 646-2673

SHIP DIMENSIONS

LENGTH: 126.0 FEET
 MAX BEAM: 21.6 FEET
 DISPLACEMENT: 247 TONS
 DRAUGHT: 9.0 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 6500 NAUTICAL MILES

ACANIA

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 03 JAN 83 MONTEREY, CA	BIOLOGICAL FOULING, MONTEREY BAY.		0
ARR: 03 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			
OUT OF SERVICE			
DEP: 06 JAN 83 MONTEREY, CA	MAINTENANCE		0
ARR: 06 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	E. B. THORNTON	NPS	
DEP: 07 JAN 83 MONTEREY, CA	ADSP, MONTEREY BAY		0
ARR: 07 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	CDR IHLI	NPS	
DEP: 11 JAN 83 MONTEREY, CA	VARIOUS CLASS PROJECTS, MONTEREY BA		0
ARR: 11 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			
OCEANOGRAPHIC RESEARCH	J. B. WICKHAM	NOAA	
DEP: 12 JAN 83 MONTEFEY, CA	VARIOUS CLASS PROJECTS, MONTEREY RA		1
ARR: 13 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			
OUT OF SERVICE			
DEP: 14 JAN 83 MONTEREY, CA	MAINTENANCE		0
ARR: 14 JAN 83 MONTEREY, CA			
AREA INDEX: NP9			

OCEANOGRAPHIC RESEARCH C. N. K. MOOERS ONR
DEP: 18 JAN 83 MONTEREY, CA EQUIPMENT CHECK, MONTEREY BAY 2
ARR: 20 JAN 83 MONTEREY, CA
AREA INDEX: NP9

DEP: 24 JAN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 4
ARR: 28 JAN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 31 JAN 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 31 JAN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR
DEP: 07 FEB 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C 4
ARR: 11 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 14 FEB 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 14 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH T. R. OSBORN NORDA
DEP: 16 FEB 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1
ARR: 17 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OUT OF SERVICE

DEP: 18 FEB 83 MONTEREY, CA MAINTENANCE 0
ARR: 18 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH S. P. TUCKER DARPA
DEP: 21 FEB 83 MONTEREY, CA OPTICAL IRRADIANCE, CA COAST 2
ARR: 23 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. D. THORNTON NPS
DEP: 24 FEB 83 MONTEREY, CA ADSP, MONTEREY BAY 0
ARR: 24 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OUT OF SERVICE

DEP: 25 FEB 83 MONTEREY, CA MAINTENANCE 0
ARR: 25 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 28 FEB 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 28 FEB 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR
DEP: 07 MAR 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C 3
ARR: 10 MAR 83 MONTEREY, CA
AREA INDEX: NP9

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OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 11 MAR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 11 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 14 MAR 83 MONTEREY, CA	MAINTFNANCE		0
ARR: 14 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	J. B. WICKHAM	NOAA/NPS	
DEP: 16 MAR 83 MONTEREY, CA	CLASS PROJECT/WAVE OBS, MONTEREY BA		0
ARR: 16 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. B. THORNTON	NPS	
DEP: 17 MAR 83 MONTEREY, CA	ADSP, MONTEREY BAY		0
ARR: 17 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	CDR IHLI	NPS	
DEP: 18 MAR 83 MONTEREY, CA	VARIOUS CLASS PROJECTS, MONTEREY BA		0
ARR: 18 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 21 MAR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 21 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 22 MAR 83 MONTEREY, CA	MAINTENANCE		0
ARR: 22 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	C. N. K. MOOERS	ONR	
DEP: 23 MAR 83 MONTEREY, CA	EQUIPMENT CHECK, MONTEREY BAY		2
ARR: 25 MAR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
DEP: 28 MAR 83 MONTEREY, CA	PHYSICAL CALIFES, COASTAL TO 1000 K		10
ARR: 07 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. C. HADERLIE	ONR	
DEP: 11 APR 83 MONTEREY, CA	BIOLOGICAL FOULING. MONTEREY BAY.		0
ARR: 11 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	E. B. THORNTON	NPS	
DEP: 12 APR 83 MONTEREY, CA	ADSP, MONTEREY BAY		0
ARR: 12 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OUT OF SERVICE			
DEP: 15 APR 83 MONTEREY, CA	MAINTENANCE		0
ARR: 15 APR 83 MONTEREY, CA			
AREA INDEX: NP9			
.....			
OCEANOGRAPHIC RESEARCH	T. R. OSBORN	NORDA	

DEP: 18 APR 83 MONTEREY, CA SHEAR PROPE EQUIPMENT TEST, BAY/CA
 ARR: 19 APR 83 MONTEREY, CA 1
 AREA INDEX: NP9
 OUT OF SERVICE

DEP: 22 APR 83 MONTEREY, CA MAINTFNANCE
 ARR: 22 APR 83 MONTEREY, CA 0
 AREA INLEX: NP9
 OCEANOGRAPHIC RESEARCH S. P. TUCKER DARPA

DEP: 25 APR 83 MONTEREY, CA OPTICAL IRRADIANCE, CA COAST
 ARR: 27 APR 83 MONTEREY, CA 2
 AREA INDEX: NP9
 OUT OF SERVICE

DEP: 28 APR 83 MONTEREY, CA MAINTFNANCE
 ARR: 28 APR 83 MONTEPEY, CA 0
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 29 APR 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEPEY BAY.
 ARR: 29 APR 83 MONTEREY, CA 0
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR

DEP: 02 MAY 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C
 ARR: 03 MAY 83 MONTEREY, CA 1
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH CDR IHLI NPS

DEP: 04 MAY 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
 ARR: 04 MAY 83 MONTEREY, CA 0
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH G. H. JUNG NPS

DEP: 05 MAY 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA
 ARR: 05 MAY 83 MONTEPEY, CA 0
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. D. TRAGANZA ONR

DEP: 06 MAY 83 MONTEREY, CA CHEM/PHYS. CHEMICAL MESOSCALE. CA C
 ARR: 17 MAY 83 MONTEREY, CA 11
 AREA INDEX: NP9
 ARMED FORCES WFEK PAO NPS

DEP: 18 MAY 83 MONTEREY, CA CRUISE FOR MEDIA PERSONNEL
 ARR: 19 MAY 83 MONTEREY, CA 0
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR

DEP: 19 MAY 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY.
 ARR: 19 MAY 83 MONTEREY, CA 0
 AREA INDEX: NP9
 OUT OF SERVICE

DEP: 20 MAY 83 MONTEREY, CA MAINTFNANCE
 ARR: 20 MAY 83 MONTEREY, CA 0
 AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS
DEP: 23 MAY 83 MONTEREY, CA ADSP, MONTEREY BAY 0
ARR: 23 MAY 83 MONTEREY, CA
AREA INDEX: NP9
OUT OF SERVICE

DEP: 27 MAY 83 MONTEREY, CA MAINTENANCE 0
ARR: 27 MAY 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONP
DEP: 31 MAY 83 MONTEREY, CA BIOLOGICAL FOULING, MONTEREY BAY. 0
ARR: 31 MAY 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH LCDR MILLS NPS
DEP: 02 JUN 83 MONTEREY, CA VARIOUS CLASS PPOJECTS, MONTEREY BA 1
ARR: 03 JUN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 06 JUN 83 MONTEREY, CA BIOLOGICAL FOULING, MONTEREY BAY. 0
ARR: 06 JUN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CDR IHLI NPS
DEP: 07 JUN 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA 0
ARR: 07 JUN 83 MONTEREY, CA
AREA INDEX: NP9
OUT OF SERVICE

DEP: 08 JUN 83 MONTEREY, CA MAINTENANCE 0
ARR: 08 JUN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH T. R. OSBORN NORDA
DEP: 09 JUN 83 MONTEREY, CA SHEAR PROPE EQUIPMENT TEST, BAY/CA 1
ARR: 10 JUN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH C. N. K. MOODERS ONR
DEP: 15 JUN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 6
ARR: 21 JUN 83 MONTEREY, CA
AREA INDEX: NP9
OUT OF SERVICE

DEP: 24 JUN 83 MONTEREY, CA MAINTENANCE 0
ARR: 24 JUN 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH C. N. K. MOODERS ONR
DEP: 29 JUN 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 6
ARR: 05 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS
DEP: 07 JUL 83 MONTEREY, CA ADSP, MONTEREY PAY 0
ARR: 07 JUL 83 MONTEREY, CA

AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 11 JUL 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 11 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH C. N. K. MOOERS ONR
DEP: 13 JUL 83 MONTEREY, CA PHYSICAL CALIFES, COASTAL TO 1000 K 6
ARR: 19 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OUT OF SERVICE

DEP: 22 JUL 83 MONTEREY, CA MAINTENANCE 0
ARR: 22 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 25 JUL 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 25 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CDR IHLI NPS
DEP: 26 JUL 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA 0
ARR: 26 JUL 83 MONTEREY, CA
AREA INDEX: NP9

OUT OF SERVICE

DEP: 29 JUL 83 MONTEREY, CA MAINTENANCE 0
ARR: 29 JUL 83 MONTEREY, CA
AREA INDEX: NP9

DEP: 05 AUG 83 MONTEREY, CA MAINTENANCE 0
ARR: 05 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 08 AUG 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 08 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH T. R. OSBORN NORDA
DEP: 09 AUG 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1
ARR: 10 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OUT OF SERVICE

DEP: 12 AUG 83 MONTEREY, CA MAINTENANCE & LEAVE 16
ARR: 28 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
DEP: 29 AUG 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
ARR: 29 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH CDR IHLI NPS
DEP: 30 AUG 83 MONTEREY, CA VARIOUS CLASS PROJECTS, MONTEREY BA 0
ARR: 30 AUG 83 MONTEREY, CA
AREA INDEX: NP9

OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS
 DEP: 31 AUG 83 MONTEREY, CA ADSP, MONTEREY BAY 0
 ARR: 31 AUG 83 MONTEREY, CA
 AREA INDEX: NP9
 OUT OF SERVICE
 DEP: 02 SEP 83 MONTEREY, CA MAINTENANCE 0
 ARR: 02 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
 DEP: 05 SEP 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
 ARR: 05 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH T. R. OSSBORN NORDA
 DEP: 12 SEP 83 MONTEREY, CA SHEAR PROBE EQUIPMENT TEST, BAY/CA 1
 ARR: 13 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OUT OF SERVICE
 DEP: 16 SEP 83 MONTEREY, CA MAINTENANCE 0
 ARR: 16 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. C. HADERLIE ONR
 DEP: 19 SEP 83 MONTEREY, CA BIOLOGICAL FOULING. MONTEREY BAY. 0
 ARR: 19 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH C. R. DUNLAP
 DEP: 20 SEP 83 MONTEREY, CA 6
 ARR: 26 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OCEANOGRAPHIC RESEARCH E. B. THORNTON NPS
 DEP: 29 SEP 83 MONTEREY, CA ADSP, MONTEREY BAY 0
 ARR: 29 SEP 83 MONTEREY, CA
 AREA INDEX: NP9
 OUT OF SERVICE
 DEP: 30 SEP 83 MONTEREY, CA MAINTENANCE 0
 ARR: 30 SEP 83 MONTEREY, CA
 AREA INDEX: NP9

POINT OF CONTACT INFORMATION

SHIP NAME: USNS HAYES
NAME: MR LOU GALLI
OFFICE: SHIP FACILITY GROUP CODE 5004
ORGANIZATION: NAVAL RESEARCH LABORATORY
ADDRESS: DEPARTMENT OF THE NAVY
CITY-STATE: WASHINGTON DC 20375
AUTOVON PREFIX: 297
FTS PREFIX: 202
COMMERCIAL AREA CODE: 202
PHONE: 767-3265

SHIP DIMENSIONS

LENGTH: 246.5 FEET
MAX BEAM: 75.0 FEET
DISPLACEMENT: 3320 TONS
DRAUGHT: 22.5 FEET
CRUISE SPEED: 14.0 KNOTS
RANGE: 6000 NAUTICAL MILES

USNS HAYES LAST CHANGED 14 DEC 82
OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

ROS

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NRL

DEP: 29 JUL 82 CHEATHAM ANNEX, VA REDUCED OPERATIONAL STATUS (ROS)
ARR: 30 SEP 83 CHEATHAM ANNEX, VA NO CRUISES SCHEDULED FOR FY83 429
AREA INDEX: NAC

 POINT OF CONTACT INFORMATION

SHIP NAME: ERLINE
 NAME: OFFICER IN CHARGE
 OFFICE:
 ORGANIZATION: TUDOR HILL LABORATORY
 ADDRESS: FLEET POST OFFICE
 CITY-STATE: NEW YORK NY 09560
 FTS PREFIX: 809
 COMMERCIAL AREA CODE: 809
 PHONE: 294-0170

SHIP DIMENSIONS

LENGTH: 100.0 FEET
 MAX BEAM: 20.0 FEET
 DISPLACEMENT: 120 TONS
 DRAUGHT: 5.5 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 1200 NAUTICAL MILES

ERLINE

LAST CHANGED 15 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

OUT OF SERVICE

DEP: 06 DEC 82	EAST COAST YARD	OVERHAUL	
ARR: 21 JAN 83	EAST COAST YARD		46
AREA INDEX: NA6			
DEP: 22 JAN 83	EAST COAST YARD	TRANSIT TO BERMUDA	
ARR: 25 JAN 83	BERMUDA		3
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	MAYER		NUSC
DEP: 26 JAN 83	BERMUDA	A3	
ARR: 31 JAN 83	BERMUDA		5
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA		NADC
DEP: 01 FEB 83	BERMUDA	LCS	
ARR: 05 FEB 83	BERMUDA		4
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	LABARGE		NADC
DEP: 15 FEB 83	BERMUDA	HLA	
ARR: 26 FEB 83	BERMUDA		11
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	SORRENTINO		NUSC
DEP: 04 APR 83	BERMUDA	MINOS	
ARR: 08 APR 83	BERMUDA		4
AREA INDEX: NA6			
OCEANOGRAPHIC RESEARCH	COTILLA		NADC

DEP: 17 APR 83 BERMUDA	LCS	
ARR: 21 APR 83 BERMUDA		4
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	MAYER	NUSC
DEP: 22 APR 83 BERMUDA	A3	
ARR: 22 APR 83 BERMUDA		0
AREA INDEX: NA6		
DEP: 25 APR 83 BERMUDA	A3	
ARR: 28 APR 83 BERMUDA		3
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	MAYER	NAVSEA
DEP: 02 MAY 83 BERMUDA	BROADBAND	
ARR: 04 MAY 83 BERMUDA		2
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	COTILLA	NADC
DEP: 05 MAY 83 BERMUDA	RFCCE	
ARR: 09 MAY 83 BERMUDA		4
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	SORRENTINO	NUSC
DEP: 24 MAY 83 BERMUDA	MINOS	
ARR: 26 MAY 83 BERMUDA		2
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	COTILLA	NADC
DEP: 27 MAY 83 BERMUDA	RECCE	
ARR: 31 MAY 83 BERMUDA		4
AREA INDEX: NA6		
.....		
DEP: 23 JUN 83 BERMUDA	RECCE	
ARR: 30 JUN 83 BERMUDA		7
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	BOLLARD	NADC
DEP: 01 JUL 83 BERMUDA	BBD	
ARR: 10 JUL 83 BERMUDA		9
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	COTILLA	NADC
DEP: 21 JUL 83 BERMUDA	VLAD	
ARR: 27 JUL 83 BERMUDA		6
AREA INDEX: NA6		
DEP: 29 JUL 83 BERMUDA	LCS	
ARR: 31 JUL 83 BERMUDA		3
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	SORRENTINO	NUSC
DEP: 01 AUG 83 BERMUDA	MINOS	
ARR: 01 AUG 83 BERMUDA		5
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH		NUSC
DEP: 01 AUG 83 BERMUDA	TRANSIT TO NEW LONDON	
ARR: 01 AUG 83 NEW LONDON, CT		2
AREA INDEX: NA6		
.....		
OCEANOGRAPHIC RESEARCH	MAYER	NUSC

DEP: 18 AUG 83 NEW LONDON, CT	A3		5
ARR: 23 AUG 83 NEW LONDON, CT			
AREA INDEX: NA6			
.....			
OCEANOGRAPHIC RESEARCH		NUSC	
DEP: 24 AUG 83 NEW LONDON, CT	TRANSIT TO BERMUDA		2
ARR: 26 AUG 83 BERMUDA			
AREA INDEX: NA6			
.....			
OCEANOGRAPHIC RESEARCH	MAYER	NUSC	
DEP: 30 AUG 83 BERMUDA	A3		8
ARR: 07 SEP 83 BERMUDA			
AREA INDEX: NA6			
.....			
OCEANOGRAPHIC RESEARCH	SNISCAK	NADC	
DEP: 11 SEP 83 BERMUDA	MRS		4
ARR: 15 SEP 83 BERMUDA			
AREA INDEX: NA6			

POINT OF CONTACT INFORMATION

SHIP NAME:	USCGC EVERGREEN
NAME:	DIRECTOR
OFFICE:	MARINE SCIENCE & ICE OPS DIV.
ORGANIZATION:	COMMANDANT G-OIO, USCG
ADDRESS:	2100 SECOND STREET, SW
CITY-STATE:	WASHINGTON DC 20593
FTS PREFIX:	202
COMMERCIAL AREA CODE:	202
PHONE:	426-1881

SHIP DIMENSIONS

LENGTH:	179.8 FEET
MAX BEAM:	37.1 FEET
DISPLACEMENT:	984 TONS
DRAUGHT:	12.7 FEET
CRUISE SPEED:	9.4 KNOTS
RANGE:	12000 NAUTICAL MILES

USCGC EVERGREEN

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

.....
OCEANOGRAPHIC RESEARCH

CGOCEANO

DEP: 01 JAN 83 NEW LONDON, CT
ARR: 31 DEC 83 NEW LONDON, CT
AREA INDEX: NA6

NO OCEANOGRAPHIC OPERATIONS SCHEDULED
CALL POC FOR AVAILABILITY 365

 POINT OF CONTACT INFORMATION

SHIP NAME: HERO
 NAME: ALBERT BETZEL
 OFFICE: OCEAN PROJECTS MANAGER OFFICE OF POLAR PR
 ORGANIZATION: NATIONAL SCIENCE FOUNDATION
 ADDRESS: 1800 G ST. NW
 CITY-STATE: WASHINGTON DC 20550
 AUTOVON PREFIX: 294
 FTS PREFIX: 357
 COMMERCIAL AREA CODE: 202
 PHONE: 357-7808

SHIP DIMENSIONS

LENGTH: 125.0 FEET
 MAX BEAM: 30.3 FEET
 DISPLACEMENT: 640 TONS
 DRAUGHT: 16.4 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 5000 NAUTICAL MILES

HERC

LAST CHANGED 15 NOV 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

.....		NSF
OCEANOGRAPHIC RESEARCH		
DEP: 18 DEC 82	PUNTA ARENAS, CH	CRUISE 83-2 OPERATIONS IN THE ANTAR
ARR: 22 FEB 83	PUNTA ARENAS, CH	PENINSULA AREA
AREA INDEX: SP9A	SASA AN9	67
DEP: 25 FEB 83	PUNTA ARENAS, CH	CRUISE 83-3 OPERATIONS IN THE ANTAR
ARR: 20 APR 83	PUNTA ARENAS, CH	PENINSULA AREA
AREA INDEX: SP9A	SASA AN9	55
.....		NSF
OUT OF SERVICE		
DEP: 20 APR 83	PUNTA ARENAS, CH	UPKEEP PUNTA ARENAS
ARR: 30 MAY 83	PUNTA ARENAS, CH	
AREA INDEX: SPCA		41
.....		NSF
OCEANOGRAPHIC RESEARCH		
DEP: 28 OCT 83	PUNTA ARENAS, CH	CRUISE 83-6 OPERATIONS IN THE ANTAR
ARR: 18 NOV 83	PUNTA ARENAS, CH	PENINSULA AREA
AREA INDEX: SPCA	SASA AN9	22
DEP: 02 DEC 83	PUNTA ARENAS, CH	CRUISE 83-7 OPERATIONS IN THE ANTAR
ARR: 18 DEC 83	PUNTA ARENAS, CH	PENINSULA AREA
AREA INDEX: SP9A	SASA AN9	17

 POINT OF CONTACT INFORMATION

SHIP NAME: ALBATROSS IV
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 187.0 FEET
 MAX BEAM: 33.0 FEET
 DISPLACEMENT: 1089 TONS
 DRAUGHT: 16.2 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 4300 NAUTICAL MILES

ALBATROSS IV LAST CHANGED 15 OCT 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS	.....	NOAA
DEP: 22 FEB 83 WOODS HOLE ARR: 04 MAR 83 WOODS HOLE AREA INDEX: NA6		MACKEREL ACOUSTICS 10
DEP: 07 MAR 83 WOODS HOLE ARR: 25 MAR 83 WOODS HOLE AREA INDEX: NA6		SPRING TRAWL & MARMAP I 18
DEP: 28 MAR 83 WOODS HOLE ARR: 08 APR 83 WOODS HOLE AREA INDEX: NA6		SPRING TRAWL & MARMAP I 11
DEP: 11 APR 83 WOODS HOLE ARR: 22 APR 83 WOODS HOLE AREA INDEX: NA6		SPRING TRAWL & MARMAP I 11
DEP: 25 APR 83 WOODS HOLE ARR: 06 MAY 83 WOODS HOLE AREA INDEX: NA6		SPRING TRAWL & MARMAP I 11
DEP: 09 MAY 83 WOODS HOLE ARR: 20 MAY 83 WOODS HOLE AREA INDEX: NA6		LARVAL DYNMS 11
DEP: 23 MAY 83 WOODS HOLE ARR: 03 JUN 83 WOODS HOLE AREA INDEX: NA6		OCEAN PULSE & MARMAP I 11
DEP: 06 JUN 83 WOODS HOLE ARR: 18 JUN 83 WOODS HOLE AREA INDEX: NA6		OCEAN PULSE & MARMAP I 12
DEP: 27 JUN 83 WOODS HOLE ARR: 08 JUL 83 WOODS HOLE AREA INDEX: NA6		OCEAN PULSE & MARMAP I 11

DEP: 11 JUL 83 WOODS HOLE	OCEAN PULSE & MARMAP I	11
ARR: 22 JUL 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 26 JUL 83 WOODS HOLE	OCEAN PULSE & MARMAP I	10
ARR: 05 AUG 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 08 AUG 83 WOODS HOLE	SCALLOP/OCEAN PULSE	11
ARR: 19 AUG 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 22 AUG 83 WOODS HOLE	SCALLOP /OCEAN PULSE	11
ARR: 02 SEP 83 WOODS HOLE		
AREA INDEX: NA6		
DEP: 12 SEP 83 WOODS HOLE	FALL TRAWL/MARMAP	18
ARR: 30 SEP 83 WOODS HOLE		
AREA INDEX: NA6		

 POINT OF CONTACT INFORMATION

SHIP NAME: CHAPMAN
 NAME: CDR FREDDIE JEFFPIFS
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 127.0 FEET
 MAX BEAM: 29.6 FEET
 DISPLACEMENT: 520 TONS
 DRAUGHT: 14.0 FEET
 CRUISE SPEED: 11.0 KNOTS
 RANGE: 6000 NAUTICAL MILES

CHAPMAN LAST CHANGED 03 DEC 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

ERL/NMFS	NOAA
DEP: 22 FEB 83 PMC ARR: 01 MAR 83 KODIAK AREA INDEX: NP9 NP6	SHELIKOF POLLOCK CH-83-01 7
DEP: 03 MAR 83 KODIAK ARR: 21 MAR 83 KODIAK AREA INDEX: NP6	SHELIKOF POLLOCK CH-83-01 18
DEP: 23 MAR 83 KODIAK ARR: 10 APR 83 KODIAK AREA INDEX: NP6	SHELIKOF POLLOCK CH 83 01 18
DEP: 11 APR 83 KODIAK ARR: 17 APR 83 PMC AREA INDEX: NP6 NP9	SHELIKOF CH 83 01 6
DEP: 09 MAY 83 PMC ARR: 16 MAY 83 KODIAK AREA INDEX: NP9 NP6	TRANSIT CH 83 02 7
DEP: 19 MAY 83 KODIAK ARR: 31 MAY 83 KODIAK AREA INDEX: NP6	SHELIKOF FISH CH 83 02 13
DEP: 02 JUN 83 KODIAK ARR: 20 JUN 83 DUTCH HARBOR AREA INDEX: NP6 NP5 NP6	BERING SEA-CRAB CH 83 02 18
DEP: 22 JUN 83 DUTCH HARBOR ARR: 10 JUL 83 DUTCH HARBOR AREA INDEX: NP5 NP6	BERING-SEA-CRAB CH 83 02 18
DEP: 12 JUL 83 DUTCH HARBOR ARR: 30 JUL 83 DUTCH HARBOR AREA INDEX: NP5 NP6	BERING SEA-CRAB CH 83 02 18

POINT OF CONTACT INFORMATION

SHIP NAME: JOHN N COBB
NAME: CDR FREDDIE JEFFPIES
OFFICE: CHIEF OPERATIONS DIVISION
ORGANIZATION: NOAA PACIFIC MARINE CENTER
ADDRESS: 1801 FAIRVIEW AVENUE E
CITY-STATE: SEATTLE WA 98102
FTS PREFIX: 799
COMMERCIAL AREA CODE: 206
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 93.0 FEET
MAX BEAM: 26.0 FEET
DISPLACEMENT: 250 TONS
DRAUGHT: 11.0 FEET
CRUISE SPEED: 9.3 KNOTS
RANGE: 2900 NAUTICAL MILES

JOHN N COBB

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 01 JAN 83 SEATTLE, WA
ARR: 31 DEC 83 SEATTLE, WA
AREA INDEX: NP9

SCHEDULE NOT RECEIVED.
CALL POC FOR DETAILS.

365

 POINT OF CONTACT INFORMATION

SHIP NAME: TOWNSEND CROMWELL
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 163.0 FEET
 MAX BEAM: 33.0 FEET
 DISPLACEMENT: 652 TONS
 DRAUGHT: 12.7 FEET
 CRUISE SPEED: 11.5 KNOTS
 RANGE: 8300 NAUTICAL MILES

TOWNSEND CROMWELL LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 04 JAN 83 HONOLULU HI	SQUID	
ARR: 07 JAN 83 HONOLULU HI	TC 83 01	3
AREA INDEX: NP12		
DEP: 10 JAN 83 HONOLULU	SQUID TRANSIT	
ARR: 25 JAN 83 SAN DIEGO	TC 83 01	15
AREA INDEX: NP12 NP9		
DEP: 27 JAN 83 SAN DIEGO	CAL COFI	
ARR: 17 FEB 83 SAN DIEGO	TC 83 02	21
AREA INDEX: NP9		
DEP: 21 FEB 83 SAN DIEGO	CAL COFI	
ARR: 14 MAR 83 SAN DIEGO	TC 83 02	21
AREA INDEX: NP9		
DEP: 16 MAR 83 SAN DIEGO	CAL COFI	
ARR: 23 MAR 83 SAN DIEGO	TC 83 02	7
AREA INDEX: NP9		
DEP: 28 MAR 83 SAN DIEGO	CAL COFI	
ARR: 10 APR 83 SAN DIEGO	TC 83-02	13
AREA INDEX: NP9		
DEP: 14 APR 83 SAN DIEGO	CAL COFI	
ARR: 24 APR 83 HONOLULU	TC 83 02	10
AREA INDEX: NP9 NP12		

 POINT OF CONTACT INFORMATION

SHIP NAME: DAVIDSON
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 175.0 FEET
 MAX BEAM: 38.0 FEET
 DISPLACEMENT: 995 TONS
 DRAUGHT: 13.3 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 6000 NAUTICAL MILES

DAVIDSON

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS	NOAA
DEP: 22 FEB 83 PMC ARR: 03 MAR 83 TBA AREA INDEX: NP9	BANGOR 9
DEP: 07 MAR 83 TBA ARR: 17 MAR 83 TBA AREA INDEX: NP9	BANGOR 11
DEP: 21 MAR 83 TBA ARR: 23 MAR 83 PMC AREA INDEX: NP9	TRANSIT 2
DEP: 05 APR 83 PMC ARR: 15 APR 83 JUNEAU AREA INDEX: NP9 NP5	SEYMOUR CANAL 10
DEP: 19 APR 83 JUNEAU ARR: 29 APR 83 JUNEAU AREA INDEX: NP6	SEYMOUR CANAL 10
DEP: 03 MAY 83 JUNEAU ARR: 13 MAY 83 JUNEAU AREA INDEX: NP6	KELP BAY 10
DEP: 17 MAY 83 JUNEAU ARR: 27 MAY 83 CORDOVA AREA INDEX: NP6	CAPE ST ELIAS 10

 POINT OF CONTACT INFORMATION

SHIP NAME: DELAWARE II
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATION DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 155.0 FEET
 MAX BEAM: 30.1 FEET
 DISPLACEMENT: 758 TONS
 DRAUGHT: 14.7 FEET
 CRUISE SPEED: 11.5 KNOTS
 RANGE: 6600 NAUTICAL MILES

DELAWARE II LAST CHANGED 22 NOV 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS	NOAA
DEP: 17 JAN 83 WOODS HOLE ARR: 28 JAN 83 WOODS HOLE AREA INDEX: NA6	MARMAP I 11
DEP: 31 JAN 83 WOODS HOLE ARR: 11 FEB 83 WOODS HOLE AREA INDEX: NA6	MARMAP II 11
DEP: 14 FEB 83 WOODS HOLE ARR: 25 FEB 83 WOODS HOLE AREA INDEX: NA6	MARMAP III 11
DEP: 28 FEB 83 WOODS HOLE ARR: 09 MAR 83 WOODS HOLE AREA INDEX: NA6	HERRING-ACOUSTIC 9
DEP: 15 MAR 83 WOODS HOLE ARR: 15 APR 83 TBA AREA INDEX: NA6	N GLF MEX / SEFC 31
DEP: 21 APR 83 TBA ARR: 25 MAY 83 TBA AREA INDEX:	SEFC/ FLA-NC 34
DEP: 31 MAY 83 TBA ARR: 08 JUL 83 WOODS HOLE AREA INDEX: NA6	REEF FISH/PR & VIRGIN ISLDS. 38
DEP: 10 JUL 83 WOODS HOLE ARR: 15 AUG 83 WOODS HOLE AREA INDEX: NA6	REPAIRS 36
DEP: 17 AUG 83 WOODS HOLE ARR: 26 AUG 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 9
DEP: 29 AUG 83 WOODS HOLE ARR: 09 SEP 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 11
DEP: 13 SEP 83 WOODS HOLE ARR: 28 SEP 83 WOODS HOLE AREA INDEX: NA6	CLAM-OCEAN QUAHOG 15

 POINT OF CONTACT INFORMATION

SHIP NAME: DISCOVERER
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 303.0 FEET
 MAX BEAM: 52.0 FEET
 DISPLACEMENT: 4033 TONS
 DRAUGHT: 19.8 FEET
 CRUISE SPEED: 15.0 KNOTS
 RANGE: 12250 NAUTICAL MILES

DISCOVERER

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

ERL

.....

NOAA

DEP: 27 JAN 83 SEATTLE	MIZEX	
ARR: 27 FEB 83 DUTCH HARBOR		31
AREA INDEX: NP9 NP5 NP6		
DEP: 28 FEB 83 DUTCH HARBOR	CO2 ACID RAIN	
ARR: 28 MAR 83 HONOLULU		28
AREA INDEX: NP5 NP6 NP12		
DEP: 05 APR 83 HONOLULU	CO2 ACID RAIN	
ARR: 24 APR 83 SAN DIEGO		19
AREA INDEX: NP12 NP9		
DEP: 29 APR 83 SAN DIEGO	CO2 ACID RAIN	
ARR: 18 MAY 83 SEATTLE		19
AREA INDEX: NP9		
DEP: 31 MAY 83 SEATTLE	PMS WA COAST	
ARR: 20 JUN 83 SEATTLE		20
AREA INDEX: NP9		

 POINT OF CONTACT INFORMATION

SHIP NAME: FAIRWEATHER
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 231.0 FEET
 MAX BEAM: 42.0 FEET
 DISPLACEMENT: 1800 TONS
 DRAUGHT: 14.3 FEET
 CRUISE SPEED: 13.0 KNOTS
 RANGE: 7000 NAUTICAL MILES

FAIRWEATHER LAST CHANGED 03 DEC 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA
DEP: 19 APR 83 PMC	S.E. ALASKA	
ARR: 29 APR 83 JUNEAU		10
AREA INDEX: NP9 NP6		
DEP: 03 MAY 83 JUNEAU	S.E. ALASKA	
ARR: 13 MAY 83 JUNEAU		10
AREA INDEX: NP6		
DEP: 17 MAY 83 JUNEAU	AK PENINSULA	
ARR: 27 MAY 83 KODIAK		10
AREA INDEX: NP6		

POINT OF CONTACT INFORMATION

SHIP NAME: FERREL
NAME: CDR CARL FISHER
OFFICE: CHIEF OPERATIONS DIVISION
ORGANIZATION: NOAA ATLANTIC MARINE CENTER
ADDRESS: 439 WEST YORK STREET
CITY-STATE: NORFOLK VA 23510
FTS PREFIX: 827
COMMERCIAL AREA CODE: 804
PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 173.0 FEET
MAX BEAM: 32.0 FEET
DISPLACEMENT: 360 TONS
DRAUGHT: 8.0 FEET
CRUISE SPEED: 10.0 KNOTS
RANGE: 2200 NAUTICAL MILES

FERREL

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

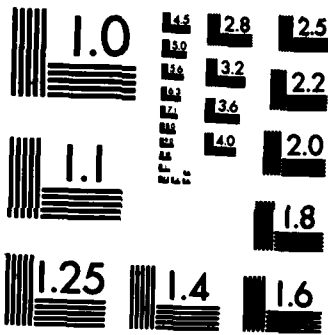
NOS

NOAA

DEP: 15 FEB 83 NORFOLK
ARR: 30 SEP 83 NORFOLK
AREA INDEX: NA6

CIRC SURVEY CHES BAY
150 DAS

227



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

 POINT OF CONTACT INFORMATION

SHIP NAME: MILLER FREEMAN
 NAME: CDR FREDDIE JEFFPIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 215.0 FEET
 MAX BEAM: 42.0 FEET
 DISPLACEMENT: 1920 TONS
 DRAUGHT: 20.0 FEET
 CRUISE SPEED: 14.0 KNOTS
 RANGE: 13800 NAUTICAL MILES

MILLER FREEMAN LAST CHANGED 03 DEC 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

ERL/NMFS	NOAA
DEP: 24 JAN 83 PMC ARR: 08 FEB 83 KODIAK AREA INDEX: NP6 NP6	SE AK GROUND FISH MF 83 01 15
DEP: 10 FEB 83 KODIAK ARR: 28 FEB 83 KODIAK AREA INDEX: NP6	SHELIKOF POLLOCK MF 83 01 18
DEP: 02 MAR 83 KODIAK ARR: 21 MAR 83 KODIAK AREA INDEX: NP6	SHELIKOF POLLOCK MF 83 01 19
DEP: 23 MAR 83 KODIAK ARR: 14 APR 83 KODIAK AREA INDEX: NP6	SHELIKOF MF 83 01 22
DEP: 18 APR 83 KODIAK ARR: 07 MAY 83 DUTCH HARBOR AREA INDEX: NP6 NP5 NP6	OCSEAP MF 83 02 19
DEP: 09 MAY 83 DUTCH HARBOR ARR: 02 JUN 83 DUTCH HARBOR AREA INDEX: NP5 NP6	OCSEAP MF 83 02 24
DEP: 05 JUN 83 DUTCH HARBOR ARR: 24 JUN 83 PMC AREA INDEX: NP5 NP6 NP6	OCSEAP M4 83 02 19

 POINT OF CONTACT INFORMATION

SHIP NAME: HECK
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 90.0 FEET
 MAX BEAM: 22.0 FEET
 DISPLACEMENT: 220 TONS
 DRAUGHT: 7.2 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 800 NAUTICAL MILES

HECK

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 14 MAR 83 NORFOLK
 ARR: 18 MAR 83 KEY WEST FL
 AREA INDEX: NA6 NA9

ENROUTE
 J6XX

4

DEP: 21 MAR 83 KEY WEST
 ARR: 01 JUL 83 NORFOLK
 AREA INDEX: NA9 NA6

WIRE DRAG 75 SEA DAYS
 J6XX

102

DEP: 05 JUL 83 NORFOLK
 ARR: 30 SEP 83 TBA
 AREA INDEX: NA6

NEW ENGLAND DRAG
 70 DAS

87

 POINT OF CONTACT INFORMATION

SHIP NAME: DAVID STARR JORDAN
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 171.0 FEET
 MAX BEAM: 36.6 FEET
 DISPLACEMENT: 993 TONS
 DRAUGHT: 12.5 FEET
 CRUISE SPEED: 11.5 KNOTS
 RANGE: 8560 NAUTICAL MILES

DAVID STARR JORDAN LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 10 JAN 83 SAN DIEGO	PORPOISE SURVEY	
ARR: 08 FEB 83 MEXICO	DS 83 01	29
AREA INDEX: NP9 NP13		
DEP: 11 FEB 83 MEXICO	PORPOISE SURVEY	
ARR: 11 MAR 83 PANAMA	DS 83 01	28
AREA INDEX: NP13		
DEP: 15 MAR 83 PANAMA	PORPOISE SURVEY	
ARR: 31 MAR 83 PANAMA	DS 83 01	16
AREA INDEX: NP13		

 POINT OF CONTACT INFORMATION

SHIP NAME: MCARTHUR
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 175.0 FEET
 MAX BEAM: 38.0 FEET
 DISPLACEMENT: 995 TONS
 DRAUGHT: 12.1 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 6000 NAUTICAL MILES

MCARTHUR

LAST CHANGED 16 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 14 MAR 83 SEATTLE
 ARR: 18 MAR 83 SEATTLE
 AREA INDEX: NP0

LRERP

4

DEP: 23 MAR 83 SEATTLE
 ARR: 25 MAR 83 SEATTLE
 AREA INDEX: NP9

LRERP

2

DEP: 12 APR 83 SEATTLE
 ARR: 29 APR 83 SEATTLE
 AREA INDEX: NP9

LRERP

17

 POINT OF CONTACT INFORMATION

SHIP NAME: MT MITCHELL
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 231.0 FEET
 MAX BEAM: 42.0 FEET
 DISPLACEMENT: 1800 TONS
 DRAUGHT: 14.3 FEET
 CRUISE SPEED: 13.0 KNOTS
 RANGE: 7000 NAUTICAL MILES

MT MITCHELL LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA
DEP: 09 FEB 83 NORFOLK	HYDRO PUERTO RICO	
ARR: 18 FEB 83 SAN JUAN	OPR 1149	9
AREA INDEX: NA6 NA9		
DEP: 22 FEB 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 04 MAR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 08 MAR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 18 MAR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 22 MAR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 01 APR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 05 APR 83 SAN JUAN	HYDRO PUERTO RICO	
ARR: 15 APR 83 SAN JUAN	OPR 1149	10
AREA INDEX: NA9		
DEP: 18 APR 83 SAN JUAN	TRANSIT	
ARR: 22 APR 83 NORFOLK		4
AREA INDEX: NA9 NA6		
DEP: 10 MAY 83 NORFOLK	AIXX	
ARR: 20 MAY 83 SEARSPORT		10
AREA INDEX: NA6		
DEP: 24 MAY 83 SEARSPORT ME	AIXX	
ARR: 03 JUN 83 SEARSPORT ME		10
AREA INDEX: NA6		
DEP: 07 JUN 83 SEARSPORT ME	AIXX	
ARR: 17 JUN 83 SEARSPORT ME		10
AREA INDEX: NA6		

DEP: 21 JUN 83 SEARSPORT ME		
ARR: 01 JUL 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 06 JUL 83 SEARSPORT ME		
ARR: 15 JUL 83 SEARSPORT ME	AIXX	9
AREA INDEX: NA6		
DEP: 19 JUL 83 SEARSPORT ME		
ARR: 29 JUL 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 02 AUG 83 SEARSPORT ME		
ARR: 12 AUG 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 16 AUG 83 SEARSPORT ME		
ARR: 26 AUG 83 SEARSPORT ME	AIXX	10
AREA INDEX: NA6		
DEP: 29 AUG 83 SEARSPORT ME		
ARR: 02 SEP 83 SEARSPORT ME	AIXX	4
AREA INDEX: NA6		
DEP: 07 SEP 83 SEARSPORT ME		
ARR: 16 SEP 83 NORFOLK	AIXX	9
AREA INDEX: NA6		
DEP: 22 SEP 83 NORFOLK	NEMP	
ARR: 30 SEP 83 NORFOLK		8
AREA INDEX: NA6		

 POINT OF CONTACT INFORMATION

SHIP NAME: MURRE II
 NAME: CDR FREDDIE JEFFRIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 206
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 86.0 FEET
 MAX BEAM: 26.8 FEET
 DISPLACEMENT: 295 TONS
 DRAUGHT: 7.5 FEET
 CRUISE SPEED: 8.0 KNOTS
 RANGE: 1500 NAUTICAL MILES

MURRE II

LAST CHANGED 03 AUG 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS

NOAA

DEP: 01 MAR 83 JUNEAU
 ARR: 04 MAR 83 JUNEAU
 AREA INDEX: NP6

LPW SUPPLY
 MU 83 01

3

DEP: 21 MAR 83 JUNEAU
 ARR: 30 MAR 83 JUNEAU
 AREA INDEX: NP6

LOGGING EFFECTS
 MU 83 02

9

POINT OF CONTACT INFORMATION

SHIP NAME: OCEANOGRAPHER
NAME: CDR FREDDIE JEFFRIES
OFFICE: CHIEF OPERATIONS DIVISION
ORGANIZATION: NOAA PACIFIC MARINE CENTER
ADDRESS: 1801 FAIRVIEW AVENUE E
CITY-STATE: SEATTLE WA 98102
FTS PREFIX: 399
COMMERCIAL AREA CODE: 206
PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 303.0 FEET
MAX BEAM: 52.0 FEET
DISPLACEMENT: 4033 TONS
DRAUGHT: 19.8 FEET
CRUISE SPEED: 15.0 KNOTS
RANGE: 12250 NAUTICAL MILES

OCEANOGRAPHER LAST CHANGED 22 NOV 82
OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 93

OUT OF SERVICE NOAA
DEP: 01 JAN 83 PMC, SEATTLE DEACTIVATED 8 FEB 1982
ARR: 31 DEC 83 PMC, SEATTLE
AREA INDEX: NP9

365

 POINT OF CONTACT INFORMATION

SHIP NAME: OREGON II
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATION DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 170.0 FEET
 MAX BEAM: 34.0 FEET
 DISPLACEMENT: 952 TONS
 DRAUGHT: 14.0 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 9500 NAUTICAL MILES

OREGON II LAST CHANGED 20 JUL 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NMFS	.....	NOAA	
DEP: 06 JAN 83 PASCAGOULA ARR: 11 FEB 83 PASCAGOULA AREA INDEX: NA9		OCEAN PELAGICS - 36 DASS 83-01	36
DEP: 14 FEB 83 PASCAGOULA ARR: 04 MAR 83 PASCAGOULA AREA INDEX: NA9		DOCKSIDE REPAIRS	18
DEP: 08 MAR 83 PASCAGOULA ARR: 13 APR 83 PASCAGOULA AREA INDEX: NA9		SPRING SEAMAP - 33 DAS 83-02(133)	36
DEP: 21 APR 83 PASCAGOULA ARR: 24 MAY 83 PASCAGOULA AREA INDEX: NA9		SEAMAP - 33 DAS 83-03(134)	33
DEP: 01 JUN 83 PASCAGOULA ARR: 16 JUL 83 PASCAGOULA AREA INDEX: NA9		SUMMER SEAMAP - 45 DAS 83-04(135)	45
DEP: 02 AUG 83 PASCAGOULA ARR: 26 AUG 83 PASCAGOULA AREA INDEX: NA9		REEF FISH - 22 DAS 83-05(136)	24
DEP: 06 SEP 83 PASCAGOULA ARR: 21 SEP 83 PASCAGOULA AREA INDEX: NA9		GEAR DVLMT - 14 DAS 83-06(137)	15

 POINT OF CONTACT INFORMATION

SHIP NAME: PEIRCE
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATION DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 163.0 FEET
 MAX BEAM: 33.0 FEET
 DISPLACEMENT: 907 TONS
 DRAUGHT: 11.2 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 5700 NAUTICAL MILES

PEIRCE

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS	NOAA
DEP: 01 MAR 83 NORFOLK ARR: 10 MAR 83 CAPE MAY AREA INDEX: NA6	HYDRO DELAWARE BAY 9
DEP: 14 MAR 83 CAPE MAY ARR: 24 MAR 83 CAPE MAY AREA INDEX: NA6	HYDRO DELAWARE BAY 10
DEP: 28 MAR 83 CAPE MAY ARR: 07 APR 83 CAPE MAY AREA INDEX: NA6	HYDRO DELAWARE BAY 10
DEP: 11 APR 83 CAPE MAY ARR: 21 APR 83 CAPE MAY AREA INDEX: NA6	HYDRO DELAWARE BAY 10
DEP: 25 APR 83 CAPE MAY ARR: 06 MAY 83 NORFOLK AREA INDEX: NA6	HYDRO DELAWARE BAY 11
DEP: 16 MAY 83 NORFOLK ARR: 26 MAY 83 DULUTH AREA INDEX: NA6	ENROUTE L. SUPERIOR 10
DEP: 31 MAY 83 DULUTH ARR: 10 JUN 83 DULUTH AREA INDEX: NA6	HYDRO L. SUPERIOR 10
DEP: 13 JUN 83 DULUTH ARR: 24 JUN 83 DULUTH AREA INDEX: NA6	HYDRO L. SUPERIOR 11
DEP: 27 JUN 83 DULUTH ARR: 01 JUL 83 DULUTH AREA INDEX: NA6	HYDRO L. SUPERIOR 4

DEP: 05 JUL 83 DULUTH	HYDRO L. SUPERIOR	9
ARR: 14 JUL 83 DULUTH		
AREA INDEX: NA6		
DEP: 18 JUL 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 29 JUL 83 DULUTH		
AREA INDEX: NA6		
DEP: 01 AUG 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 12 AUG 83 DULUTH		
AREA INDEX: NA6		
DEP: 15 AUG 83 DULUTH	HYDRO L. SUPERIOR	11
ARR: 26 AUG 83 DULUTH		
AREA INDEX: NA6		
DEP: 29 AUG 83 DULUTH	HYDRO L. SUPPERIOR	4
ARR: 02 SEP 83 DULUTH		
AREA INDEX: NA6		
DEP: 06 SEP 83 DULUTH	ENROUTE NORVA	15
ARR: 21 SEP 83 NORVA		
AREA INDEX: NA6		
DEP: 26 SEP 83 NORVA	SHIPYARD REHAB	102
ARR: 06 JAN 84 SHIPYARD	2 SEA DAYS	
AREA INDEX: NA6		

 POINT OF CONTACT INFORMATION

SHIP NAME: RAINIER
 NAME: CDR FREDDIE JEFFPIES
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA PACIFIC MARINE CENTER
 ADDRESS: 1801 FAIRVIEW AVENUE E
 CITY-STATE: SEATTLE WA 98102
 FTS PREFIX: 399
 COMMERCIAL AREA CODE: 205
 PHONE: 442-4548

SHIP DIMENSIONS

LENGTH: 231.0 FEET
 MAX BEAM: 42.0 FEET
 DISPLACEMENT: 1800 TONS
 DRAUGHT: 14.3 FEET
 CRUISE SPEED: 13.0 KNOTS
 RANGE: 7000 NAUTICAL MILES

RAINIER

LAST CHANGED 03 DEC 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 24 MAR 83 SEATTLE	BOCA DE QUADRA	
ARR: 31 MAR 83 KETCHIKAN		7
AREA INDEX: NP9 NP6		
DEP: 04 APR 83 KETCHIKAN	BOCA DE QUADRA	
ARR: 15 APR 83 KETCHIKAN		11
AREA INDEX: NP6		
DEP: 19 APR 83 KETCHIKAN	BOCA DE QUADRA	
ARR: 29 APR 83 KETCHIKAN		10
AREA INDEX: NP6		
DEP: 03 MAY 83 KETCHIKAN	BOCA DE QUADRA	
ARR: 13 MAY 83 KETCHIKAN		10
AREA INDEX: NP6		
DEP: 17 MAY 83 KETCHIKAN	COOK INLET	
ARR: 27 MAY 83 HOMER		10
AREA INDEX: NP6		

 POINT OF CONTACT INFORMATION

SHIP NAME: RESEARCHER
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATION DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 278.3 FEET
 MAX BEAM: 51.0 FEET
 DISPLACEMENT: 2963 TONS
 DRAUGHT: 18.3 FEET
 CRUISE SPEED: 12.5 KNOTS
 RANGE: 10800 NAUTICAL MILES

RESEARCHER LAST CHANGED 22 NOV 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

ERL	NOAA
DEP: 15 FEB 83 MIAMI ARR: 21 FEB 83 PANAMA AREA INDEX: NA9 NP13	EPOCS 6
DEP: 21 FEB 83 PANAMA ARR: 11 MAR 83 CALLAO AREA INDEX: NP13 SP3A	EPOCS 18
DEP: 21 MAR 83 CALLAO ARR: 08 APR 83 PANAMA AREA INDEX: SP3A NP13	EPOCS 18
DEP: 13 APR 83 PANAMA ARR: 10 MAY 83 PANAMA AREA INDEX: NP13	EPOCS 27
DEP: 16 MAY 83 PANAMA ARR: 08 JUN 83 CALLAO AREA INDEX: NP13 SP3A	BIODOME 23
DEP: 13 JUN 83 CALLAO ARR: 04 JUL 83 PANAMA AREA INDEX: SP3A NP13	ACID RAIN 21
DEP: 06 JUL 83 PANAMA ARR: 11 JUL 83 MIAMI AREA INDEX: NP13 NA9	ENROUTE 5

 POINT OF CONTACT INFORMATION

SHIP NAME: RUDE
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATION DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 90.0 FEET
 MAX BEAM: 22.0 FEET
 DISPLACEMENT: 220 TONS
 DRAUGHT: 7.2 FEET
 CRUISE SPEED: 10.0 KNOTS
 RANGE: 600 NAUTICAL MILES

RUDE

LAST CHANGED 25 OCT 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS

NOAA

DEP: 14 MAR 83 NORFOLK	ENROUTE	
ARR: 18 MAR 83 KEY WEST FL	J6XX	4
AREA INDEX: NA6 NA9		
DEP: 21 MAR 83 KEY WEST	WIRE DRAG 75 SEA DAYS	
ARR: 01 JUL 83 NORFOLK	J6XX	102
AREA INDEX: NA9 NA6		
DEP: 05 JUL 83 NORFOLK	NEW ENGLAND DRAG	
ARR: 30 SEP 83 TRA	70 DAS	87
AREA INDEX: NA6		

 POINT OF CONTACT INFORMATION

SHIP NAME:	SURVEYOR
NAME:	CDR FREDDIE JEFFRIES
OFFICE:	CHIEF OPERATIONS DIVISION
ORGANIZATION:	NOAA PACIFIC MARINE CENTER
ADDRESS:	1801 FAIRVIEW AVENUE E
CITY-STATE:	SEATTLE WA 98102
FTS PREFIX:	399
COMMERCIAL AREA CODE:	206
PHONE:	442-4548

SHIP DIMENSIONS

LENGTH:	292.2 FEET
MAX BEAM:	46.0 FEET
DISPLACEMENT:	3440 TONS
DRAUGHT:	19.5 FEET
CRUISE SPEED:	15.0 KNOTS
RANGE:	13620 NAUTICAL MILES

SURVEYOR LAST CHANGED 03 DEC 82
 OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

ERL

NOAA

DEP: 01 FEB 83 SEATTLE	MARINE MAMMALS	
ARR: 23 FEB 83 SAN DIEGO		22
AREA INDEX: NP9		

DEP: 28 FEB 83 SAN DIEGO	MARINE MAMMALS	
ARR: 21 MAR 83 SEATTLE		21
AREA INDEX: NP9		

 POINT OF CONTACT INFORMATION

SHIP NAME: WHITING
 NAME: CDR CARL FISHER
 OFFICE: CHIEF OPERATIONS DIVISION
 ORGANIZATION: NOAA ATLANTIC MARINE CENTER
 ADDRESS: 439 WEST YORK STREET
 CITY-STATE: NORFOLK VA 23510
 FTS PREFIX: 827
 COMMERCIAL AREA CODE: 804
 PHONE: 441-6206

SHIP DIMENSIONS

LENGTH: 163.0 FEET
 MAX BEAM: 33.0 FEET
 DISPLACEMENT: 907 TONS
 DRAUGHT: 11.2 FEET
 CRUISE SPEFD: 12.0 KNOTS
 RANGE: 5700 NAUTICAL MILES

WHITING

LAST CHANGED 22 NOV 82

OPS SCHEDULE FOR PERIOD
 01 JAN 83 THRU 31 DEC 83

NOS	.....	NOAA
DEP: 05 JAN 83 SHIPYARD	ENROUTE TO NORFOLK	
ARR: 07 JAN 83 NORFOLK	SHAKE DOWN	2
AREA INDEX: NA6		
DEP: 08 FEB 83 NORFOLK	ENROUTE	
ARR: 12 FEB 83 PENSACOLA		4
AREA INDEX: NA6 NA9		
DEP: 17 FEB 83 PENSACOLA	HYDRO FLA COAST	
ARR: 25 FEB 83 PENSACOLA	OPR J217	8
AREA INDEX: NA9		
DEP: 01 MAR 83 PENSACOLA	HYDRO FLA COAST	
ARR: 11 MAR 83 PENSACOLA	OPR J217	10
AREA INDEX: NA9		
DEP: 15 MAR 83 PENSACOLA	HYDRO FLA COAST	
ARR: 18 MAR 83 PENSACOLA	OOPR 217	3
AREA INDEX: NA9		
DEP: 22 MAR 83 PENSACOLA	ENROUTE TO BAHAMAS	
ARR: 24 MAR 83 FREEPORT		2
AREA INDEX: NA9		
DEP: 29 MAR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 08 APR 83 FREEPORT		10
AREA INDEX: NA9		
DEP: 12 APR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 22 APR 83 FREEPORT		10
AREA INDEX: NA9		
DEP: 26 APR 83 FREEPORT	USN/BAHAMAS SURVEY	
ARR: 06 MAY 83 FREEPORT		10
AREA INDEX: NA9		

DEP: 10 MAY 83 FREEPORT ARR: 20 MAY 83 FREEPORT AREA INDEX: NA9	USN/BAHAMAS SURVEY	10
DEP: 24 MAY 83 FREEPORT ARR: 27 MAY 83 FREEPORT AREA INDEX: NA9	USN/BAHAMAS SURVEY	3
DEP: 01 JUN 83 FREEPORT ARR: 03 JUN 83 NORFOLK AREA INDEX: NA9 NA6	ENROUTE	2
DEP: 08 JUN 83 NORFOLK ARR: 17 JUN 83 NORFOLK AREA INDEX: NA6	SLUMP-DELMARVANC	9
DEP: 23 JUN 83 NORFOLK ARR: 01 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 06 JUL 83 NORFOLK ARR: 15 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 19 JUL 83 NORFOLK ARR: 29 JUL 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 02 AUG 83 NORFOLK ARR: 12 AUG 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 16 AUG 83 NORFOLK ARR: 26 AUG 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10
DEP: 29 AUG 83 NORFOLK ARR: 02 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	4
DEP: 07 SEP 83 NORFOLK ARR: 16 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	9
DEP: 20 SEP 83 NORFOLK ARR: 30 SEP 83 NORFOLK AREA INDEX: NA6	DELMARVANC D103	10

POINT OF CONTACT INFORMATION

SHIP NAME: USNS S P LEE
NAME: MR N TERENCE EDGAR
OFFICE: CHIEF, OFFICE OF MARINE GEOLOGY
ORGANIZATION: U. S. GEOLOGICAL SURVEY
ADDRESS:
CITY-STATE: RESTON VA 22092
FTS PREFIX: 928
PHONE: -7241

SHIP DIMENSIONS

LENGTH: 208.3 FEET
MAX BEAM: 39.0 FEET
DISPLACEMENT: 1338 TONS
DRAUGHT: 14.2 FEET
CRUISE SPEED: 11.6 KNOTS
RANGE: 12000 NAUTICAL MILES

USNS S P LEE

LAST CHANGED 14 DEC 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

OCEANOGRAPHIC RESEARCH

USGS

DEP: 01 JAN 83 REDWOOD CITY, CA NO OPERATIONS FUNDED FOR 1983
ARR: 31 DEC 83 REDWOOD CITY, CA CALL POC FOR AVAILABILITY
AREA INDEX: NP9

365

ANTELOPE

POINT OF CONTACT INFORMATION

POC: EDWARD MCLEAN
 POC OFFICE: PH-274
 POC ORGANIZATION: ENVIRONMENTAL PROTECTION AGENCY
 POC ADDRESS: 401 M STREET, SW
 POC CITY/STATE: WASHINGTON DC 20460
 FTS PREFIX: 382
 COMMERCIAL AREA CODE: 202
 PHONE: 382-7603

ADMINISTRATIVE DETAILS

DESIGNATOR: OSV
 CLASS: EX USN PATROL GUNBOAT
 CALL SIGN (INTERNATIONAL): -
 FLEET: CIVIL
 SHIP TYPE: OCEAN SURVEY-GENERAL
 SHIP OWNER: EPA
 CERTIFICATION AUTHORITY: -
 FLAG REGISTRY: USA
 HOME PORT: ANNAPOLIS MD USA
 TECHNICAL SPONSOR: EPA
 OPERATIONS CONTROL: EPA
 CONTRACTUAL INFORMATION: ON EPA CONTRACT, TIME AVAILABLE, CALL POC
 OPERATING COST/DAY: 3,978 THOUSAND \$'S
 SCIENTIFIC COMPLEMENT: 17
 NUMBER OFFICERS: 3
 NUMBER IN CREW: 10
 MAX SEA STATE: 4 BEAUFORT SCALE
 ENDURANCE: 17 DAY(S)
 LIMITING FACTOR: WATER
 BUILDER: TAKOMA BOATBUILDING CO.
 WHERE BUILT: TAKOMA WA USA
 INITIAL COST: -
 DUE DATE: -
 KEEL DATE: -
 LAUNCH DATE: 00 JUN 66
 DELIVERY DATE: -
 COMMISSION DATE: 00 NOV 67
 CONVERSION DATE: 00 JAN 79
 LAST OVERHAUL: 03 JAN 80
 MAINTENANCE CYCLE: 1.0 YEARS
 END OF LIFE: 1990
 UPDATE OF INFORMATION: 05 NOV 82

SHIP DIMENSIONS

LENGTH: 165.0 FEET
 MAX BEAM: 24.0 FEET
 HEIGHT: 59.0 FEET
 GROSS TONNAGE: -
 DISPLACEMENT: 225 TONS
 DRAUGHT: 10.5 FEET
 CRUISE SPEED: 12.0 KNOTS
 RANGE: 2448 NAUTICAL MILES
 MAX SPEED: 15.0 KNOTS
 MIN SPEED: 2.0 KNOTS

ENGINEERING/DECK EQUIPMENT

MAIN PROPULSION:	DIESEL GEARED
AUXILIARY PROPULSION:	BOW THRUSTER
NUMBER OF SHAFTS:	2
FUEL TYPE:	2 DIESEL/JP-5
BOW THRUSTER:	WATER JET
ACTIVE RUDDER:	Y
DYNAMIC POSITIONING:	Y
ANTI-ROLL:	Y
STABILIZER:	Y
DEEP ANCHOR:	YES FEET
BERTHING VAN DIMENSIONS:	N
INSTRUMENT VAN DIMENSIONS:	N
WET-LAB:	Y
DRY-LAB:	Y
AMMUNITION STORAGE:	N
HELO SUPPORT:	N
METEOROLOGICAL OBSERVATIONS:	N
UTILITY BOATS:	
1. 12 FOOT RUBBER INFLATABLE	
A, U, OR L FRAMES	
MAX HOIST CAPACITY:	POUNDS
NUMBER OF FRAMES:	0
CRANES OR BOOMS	
MAX HOIST CAPACITY:	1500 POUNDS
NUMBER OF CRANES:	1
WINCHES:	
01. MAJOR TYPE/USE:	TRAWL
SECONDARY TYPE/USE:	DREDGE
SLIP-RINGS:	Y
TYPE WIRE:	WIRE ROPE
WIRE LENGTH:	3000 FEET
WIRE DIAMETER:	0.375 INCHES
02. MAJOR TYPE/USE:	OCEANOGRAPHIC
SECONDARY TYPE/USE:	UNKNOWN
SLIP-RINGS:	Y
TYPE WIRE:	CONDUCTOR CABLE
WIRE LENGTH:	2000 FEET
WIRE DIAMETER:	0.250 INCHES

ELECTRONIC EQUIPMENT

COMPUTERS:	PDP-8
FACSIMILE:	Y
ELECTROMAGNETIC LOG:	Y
INERTIAL NAVIGATION:	N
RADAR (SURFACE SCAN):	Y
LORAN A:	N
LORAN C:	Y
OMEGA:	N
SATELLITE NAVIGATION:	N
RADIO TELETYPE COMMUNICATION:	N
SINGLE SIDE BAND:	Y
VHF COMMUNICATIONS:	Y
STABLE TABLE:	Y
NARROW BEAM:	N
SEISMIC PROFILING:	N
SIDE SCAN:	N
SOUNDING SYSTEM (SHALLOW):	DATAMARINE 2700
SOUNDING SYSTEM (DEEP):	RAYTHEON

POINT OF CONTACT INFORMATION

SHIP NAME: ANTELOPE
NAME: T A WASTLER
OFFICE: CHIEF MARINE PROTECTION BRANCH WH-548
ORGANIZATION: ENVIRONMENTAL PROTECTION AGENCY
ADDRESS: 401 M STREET, SW
CITY-STATE: WASHINGTON DC 20460
FTS PREFIX: 755
COMMERCIAL AREA CODE: 202
PHONE: 755-0356

SHIP DIMENSIONS

LENGTH: 165.0 FEET
MAX BEAM: 24.0 FEET
DISPLACEMENT: 225 TONS
DRAUGHT: 10.5 FEET
CRUISE SPEED: 12.0 KNOTS
RANGE: 2448 NAUTICAL MILES

ANTELOPE

LAST CHANGED 10 NOV 82

OPS SCHEDULE FOR PERIOD
01 JAN 83 THRU 31 DEC 83

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OCEANOGRAPHIC RESEARCH

EPA

DEP: 01 JAN 83 ANNAPOLIS, MD
ARR: 31 DEC 83 ANNAPOLIS, MD
AREA INDEX: NA6 NA9

CRUISES ON EAST COAST & GULF OF MX.
POC FOR DETAILS & AVAILABILITY 364

OPEN (UNOBLIGATED) OCEANOGRAPHIC SHIP TIME

OCEAN-AREA: OPEN
FROM 01 JAN 83 THRU 31 DEC 83

**** CAYUSE

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DEP: 28 MAR 83 MOSS LANDING, CA	OPEN	
ARR: 15 APR 83 MOSS LANDING, CA		19 DAY(S)
DEP: 18 APR 83 MOSS LANDING, CA	OPEN	
ARR: 30 APR 83 MOSS LANDING, CA		13 DAY(S)
DEP: 26 SEP 83 MOSS LANDING, CA	OPEN	
ARR: 30 SEP 83 MOSS LANDING, CA		5 DAY(S)
DEP: 17 OCT 83 MOSS LANDING, CA	OPEN	
ARR: 04 NOV 83 MOSS LANDING, CA		18 DAY(S)
DEP: 15 NOV 83 MOSS LANDING, CA	OPEN	
ARR: 31 DEC 83 MOSS LANDING, CA		46 DAY(S)

**** FRED H MOORE

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DEP: 10 JAN 83 GALVESTON, TX	OPEN	
ARR: 14 JAN 83 GALVESTON, TX		4 DAY(S)
DEP: 07 FEB 83 GALVESTON, TX	OPEN	
ARR: 14 FEB 83 GALVESTON, TX		7 DAY(S)
DEP: 16 MAR 83 GALVESTON, TX	OPEN	
ARR: 30 APR 83 GALVESTON, TX		45 DAY(S)
DEP: 01 JUL 83 GALVESTON, TX	OPEN	
ARR: 14 AUG 83 GALVESTON, TX		44 DAY(S)
DEP: 01 OCT 83 GALVESTON, TX	OPEN	
ARR: 22 DEC 83 GALVESTON, TX		82 DAY(S)

**** IDA GREEN

.....

DEP: 03 JAN 83 GALVESTON, TX	OPEN	
ARR: 07 MAR 83 GALVESTON, TX		63 DAY(S)
DEP: 15 MAR 83 GALVESTON, TX	OPEN	
ARR: 31 MAR 83 GALVESTON, TX		16 DAY(S)

4-8
DTI