

INTERNATIONAL COUNCIL FOR  
THE EXPLORATION OF THE SEA

C.M. 1980/C:16  
HYDROGRAPHY COMMITTEE



Digitalization sponsored  
by Thünen-Institut

ROSCOP SUMMARY OF U.S.  
CRUISES IN THE ICES AREA  
1979

THE FOLLOWING IS AN EXPLANATION OF THE FIELDS AS THEY APPEAR IN THE REPORT:

SHIP -- THE NAME OF THE SHIP OR PLATFORM FROM WHICH THE MEASUREMENTS WERE MADE.

AREA -- THE NAMES OF THE OCEANS AND SEAS IN WHICH THE SHIP OPERATED. DEFINITIONS OF THE LIMITS OF THE OCEAN AREAS ARE SUPPLIED BY THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION (MONACO-SPECIAL PUBLICATION NO. 23).

LOCATOR -- THE WMO CODE 3333 USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THE LOCATOR WILL BE A FOUR OR SIX DIGIT NUMBER REPRESENTING LATITUDE AND LONGITUDE AS DEFINED BELOW:

DIGIT 1 -- QUADRANT OF THE WORLD; 1-NE, 3-SE, 5-SW, 7-NW

DIGIT 2 -- TENS DIGIT OF LATITUDE

DIGIT 3/4 -- HUNDREDS AND TENS DIGIT OF LONGITUDE

DIGIT 5 -- UNITS DIGIT OF LATITUDE

DIGIT 6 -- UNITS DIGIT OF LONGITUDE

DATE -- THE DATES (YEAR AND MONTH) OF THE BEGINNING AND END PERIOD OF OBSERVATIONS.

PROGRAMME -- SEE PROGRAMME CODES INCLUDED.

EXPEDITION/PROJECT -- THE NAMES OR ACRONYMS WHICH ARE USED TO DESIGNATE THE EXPEDITION OR PROJECT.

OPERATING AGENCY -- THE NAME OF THE ORGANIZATION FINANCING OR IN CHARGE OF THE OPERATION.

CRUISE NUMBER -- THE NAME AND/OR NUMBER ASSIGNED TO THE CRUISE.

DNP -- THE DECLARED NATIONAL PROGRAM (DNP) OF MARINE DATA EXCHANGE CONSISTS OF MARINE DATA WHICH IS CATEGORIZED BY THE OR9795136R OR FUNDING AGENCY FOR INTERNATIONAL EXCHANGE. THE DATA MEETS ONE OR MORE OF THE FOLLOWING REQUIREMENTS; A. BE OF INTERNATIONAL INTEREST, B. BE OF SUFFICIENT QUALITY AND EFFECTIVELY DOCUMENTED TO BE EXCHANGED WORLDWIDE, AND C. B5000000 TRANSMITTED TO THE WORLD DATA CENTER A, OCEANOGRAPHY, WASHINGTON, D.C., OR THE WORLD DATA CENTER B, OCEANOGRAPHY, 462366#

PROGRAMME CODES

GEOLOGY GEOPHYSICS  
MEASUREMENTS MADE AT A SPECIFIC LOCATION

G01 - DREDGE  
G02 - GRAB  
G03 - CORE ROCK (NO. OF CORES)  
G04 - CORE-SOFT BOTTOM (NO. OF CORES)  
G05 - SAMPLING BY DIVERS  
G06 - SAMPLING BY SUBMERSIBLE  
G07 - DRILLING  
G08 - BOTTOM PHOTOGRAPHY  
G09 - SEA FLOOR TEMPERATURE ( < 1 M FROM BOTTOM)  
G10 - ACOUSTICAL PROPERTIES OF THE SEA FLOOR  
G11 - ENGINEERING PROPERTIES OF THE SEA FLOOR  
G12 - MAGNETIC PROPERTIES OF THE SEA FLOOR  
G13 - GRAVIMETRIC PROPERTIES OF THE SEA FLOOR  
G14 - RADIOACTIVITY MEASUREMENTS  
G70 - OTHER MEASUREMENTS

MEASUREMENTS UNDERWAY

G21 - MOTION PICTURE OF SEA FLOOR (NO. N MILES)  
G22 - BATHYMETRY-WIDE BEAM (NO. N MILES)  
G23 - BATHYMETRY-NARROW BEAM (NO. N MILES)  
G24 - SIDE SCAN SONAR (NO. N MILES)  
G25 - SEISMIC REFLECTION (NO. N MILES)  
G26 - SEISMIC REFRACTION (NO. N MILES)  
G27 - GRAVIMETRY  
G28 - MAGNETISM  
G80 - OTHER MEASUREMENTS

TYPES OF STUDIES

G31 - PHYSICAL ANALYSIS OF SEDIMENTS  
G32 - CHEMICAL ANALYSIS OF SEDIMENTS  
G33 - PALEOTHERMY  
G34 - PALEOMAGNETISM AND ROCK MAGNETISM  
G35 - PALEONTOLOGY  
G36 - GEOTHERMY  
G37 - GEOCHRONOLOGY  
G38 - MINERAL AND FOSSIL RESOURCES  
G39 - LITTERAL ZONE STUDIES  
G90 - OTHER MEASUREMENTS

DYNAMICS

D01 - CURRENT METERS (NO. STATIONS)  
D02 - CURRENT METERS (DURATION OF MEASURE, DAYS)  
D03 - CURRENTS MEASURED FROM SHIP DRIFT  
D04 - GEK  
D05 - DRIFTERS (NO.)  
D06 - SWALLOW FLOATS (NO.)  
D07 - DRIFT CARDS (NO. RELEASED)

D08 - BOTTOM DRIFTERS (NO. RELEASED)  
D09 - TIDAL OBSERVATION (DURATION)  
D10 - SEA AND SWELL (NO. OF OBSERVATIONS)  
D90 - OTHER MEASUREMENTS

METEOROLOGY

M01 - UPPER AIR OBSERVATIONS  
M02 - INCIDENT RADIATION  
M03 - AIR-SEA INTERFACE STUDIES  
M04 - ICE OBSERVATIONS  
M05 - OCCASIONAL STANDARD MEASUREMENTS  
M06 - SYSTEMATIC STANDARD MEASUREMENTS  
M90 - OTHER MEASUREMENTS

HYDROGRAPHY  
SURFACE

H01 - CONTINUOUS TEMPERATURE RECORDING  
H02 - CONTINUOUS SALINITY RECORDING  
H03 - DISCRETE TEMPERATURE MEASUREMENTS  
H04 - DISCRETE SALINITY MEASUREMENTS

NEAR SEA FLOOR ( < 10 METERS)

H05 - CONTINUOUS TEMPERATURE RECORDING  
H06 - CONTINUOUS SALINITY RECORDING  
H07 - DISCRETE TEMPERATURE MEASUREMENTS  
H08 - DISCRETE SALINITY MEASUREMENTS

PHYSICAL

H09 - CLASSICAL OCEANOGRAPHIC STATIONS  
H10 - VERTICAL PROFILES (STD/CTD)  
H11 - SUB-SURFACE MEASUREMENTS UNDERWAY  
H12 - MECHANICAL BATHYTHERMOGRAPH (NO. DROPS)  
H13 - BATHYTHERMOGRAPH-EXPENDABLE (NO. DROPS)  
H14 - SOUND VELOCITY STATIONS  
H15 - ACOUSTIC STATIONS  
H16 - TRANSPARENCY  
H17 - OPTICS  
H18 - DIFFUSION (DYNAMIC)  
H80 - OTHER MEASUREMENTS

CHEMICAL

H21 - OXYGEN  
H22 - PHOSPHATES  
H23 - TOTAL-P  
H24 - NITRATES  
H25 - NITRITES  
H26 - SILICATES

H27 - ALKALINITY  
H28 - PH  
H29 - CHLORINITY  
H30 - TRACE ELEMENTS  
H31 - RADIOACTIVITY  
H32 - ISOTOPES  
H33 - DISSOLVED GASES  
H90 - OTHER MEASUREMENTS

#### POLLUTION

P01 - SUSPENDED SOLIDS  
P02 - HEAVY METALS  
P03 - PETROLEUM RESIDUES  
P04 - CHLORINATED HYDROCARBONS  
P05 - OTHER DISSOLVED SUBSTANCES  
P06 - THERMAL POLLUTION  
P07 - WASTE WATER: BOD  
P08 - WASTE WATER: NITRATES  
P09 - WASTE WATER: MICROBIOLOGY  
P10 - WASTE WATER: OTHER  
P11 - DISCOLORED WATER  
P12 - BOTTOM DEPOSITS  
P13 - CONTAMINATED ORGANISMS  
P90 - OTHER MEASUREMENTS

#### BIOLOGY

B01 - PRIMARY PRODUCTIVITY  
B02 - PHYTOPLANKTON PIGMENTS  
B03 - SESTON  
B04 - PARTICULATE ORGANIC CARBON  
B05 - PARTICULATE ORGANIC NITROGEN  
B06 - DISSOLVED ORGANIC MATTER  
B07 - BACTERIAL AND PELAGIC MICRO-ORGANISMS  
B08 - PHYTOPLANKTON  
B09 - ZOOPLANKTON  
B10 - NEUSTON  
B11 - NEKTON  
B12 - INVERTEBRATE NEKTON  
B13 - PELAGIC EGGS AND LARVAE  
B14 - PELAGIC FISH  
B15 - AMPHIBIANS

B16 - BENTHIC BACTERIA AND MICRO-ORGANISMS  
B17 - PHYTOBENTHOS  
B18 - ZOOBENTHOS  
B19 - COMMERCIAL DEMERSAL FISH  
B20 - COMMERCIAL BENTHIC MOLLUSCS  
B21 - COMMERCIAL BENTHIC CRUSTACEAN  
B22 - ATTACHED PLANTS AND ALGAE  
B23 - INTERTIDAL ORGANISMS  
B24 - BORERS AND FOULERS  
B25 - BIRDS  
B26 - MAMMALS AND REPTILES  
B27 - DEEP SCATTERING LAYERS  
B28 - ACOUSTICAL REFLECTIONS ON MARINE ORGANISMS  
B29 - BIOLOGIC SOUNDS  
B30 - BIOLUMINESCENCE  
B31 - VITAMIN CONCENTRATIONS  
B32 - AMINO ACID CONCENTRATION  
B33 - HYDROCARBON CONCENTRATIONS  
B34 - LIPID CONCENTRATIONS  
B35 - ATP-ADP-AMP CONCENTRATIONS  
B36 - DNA-RNA CONCENTRATIONS  
B37 - TAGGINGS  
B80 - OTHER MEASUREMENTS

#### TYPES OF STUDIES

B51 - IDENTIFICATION  
B52 - SPATIAL AND TEMPORAL DISTRIBUTION  
B53 - MONITORING AND SURVEILLANCE  
B54 - BIOMASS DETERMINATION  
B55 - DESCRIPTION OF COMMUNITIES  
B56 - FOOD CHAINS ENERGY TRANSFERS  
B57 - POPULATION AND ENVIRONMENTS  
B58 - POPULATION STRUCTURES  
B59 - TAXONOMY, SYSTEMATICS, CLASSIFICATION  
B60 - PHYSIOLOGY  
B61 - BEHAVIOUR  
B62 - PATHOLOGY, PARASITOLOGY  
B63 - TOXICOLOGY  
B64 - GEAR RESEARCH  
B65 - EXPLORATORY FISHING  
B66 - COMMERCIAL FISHING  
B67 - AQUACULTURE  
B90 - OTHER MEASUREMENTS

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ADVANCE	NW ATLANTIC (LIMIT 40 W) 740701 740702	APR.-MAY 1979	M05 H09 H13 H21 B01 B09	HYDROGRAPHY AND CHLOROPHYLL	BROOKHAVEN NATIONAL LABORATORY (UPTON, N. Y.)	79-02	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
GLOMAR CHALLENGER	CARIBBEAN SEA NE PACIFIC (LIMIT 180) 700803 700945 710719	JULY-SEP. 1979	G03 G04 G07 G22 G23 G25 G28 G31 G32 G34 G35 G36 G37 G38 H12 H27 H28 H29 H90	INT'L PHASE OF OCEAN DRILLING JOIDES	CA SCRIPPS INST OF OCEANOGRAPHY (LA JOLLA)	LEG 68	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ATLANTIC TWIN	NW ATLANTIC (LIMIT 40 W) 740627	JULY-JULY 1979	D01 D02 D90 H01 H05	NEOSPO	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	BLM MOORING CRUISE	NO
BARGE (OTHER SMALL VESSELS)	NW ATLANTIC (LIMIT 40 W) 740617	MAR.-MAR. 1979	D01 D02 D90 H01 H05	NEOCSP0 PROGRAM	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	MARCH BLM MOORING CRUISE	NO
SUB SIG II	NW ATLANTIC (LIMIT 40 W) 740627	APR.-APR. 1979	D01 D02 D90 H05	NEOCSP0	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	APRIL BLM MOORING CRUISE	NO
SUB SIG II	NW ATLANTIC (LIMIT 40 W) 740606 740616 740617	OCT.-OCT. 1979	D01 D02 D90 H01 H05	NEOCSP0	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	OCTOBER BLM MOORING CRUISE	NO
SUB SIG II	NW ATLANTIC (LIMIT 40 W) 740606	FEB.-FEB. 1979	D01 D02 H01	NEOSPO PROGRAM	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	FEBRUARY BLM MOORING CRUISE	NO
SUB SIG II	NW ATLANTIC (LIMIT 40 W) 740606 740607 740627	AUG.-AUG. 1979	D01 D02 D90 H01 H05	NEOSPO PROGRAM	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	AUGUST BLM MOORING CRUISE	NO
SUB SIG II	NW ATLANTIC (LIMIT 40 W) 740606 740607 740615 740616 740617 740618 740619 740625 740626 740627 740700	AUG.-AUG. 1979	D05 M06 H01 H02 H10 H13 H21 H22 H24 H25 H26 H29 B01 B02 B08	SUPPORT HYDROGRAPHY	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	7903	NO
WHITEFOOT	NW ATLANTIC (LIMIT 40 W) 740648	JULY-JULY 1979	D01 D02 H01	NEOCSP0 PROGRAM	EDGERTON, GERMESHAUSEN AND GRIER, INC. (EG&G) BOSTON, MASS.	JULY BLM MOORING CRUISE	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
KNORR	NW ATLANTIC (LIMIT 40 W) 7204 7304	OCT.-NOV. 1979	G22 D01 D02 H03 H09 H10 H13 H21 H26	GULF STREAM EXTENSION NORWEGIAN SEA OUTFLOW INTRUSION	MA WOODS HOLE OCEANOGRAPHIC INST (WOODS HOLE)	KNORR 75	NO



SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730790 730791 730792 740700 740711 740712	MAR.-APR. 1979	B02 H01 H02 H09 H10 H13 H21 H90		NC DUKE UNIV. (DURHAM)	E-1-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 740607 740618	MAY-MAY 1979	G01 G04 G08 G23 G31 D02 B18 B26 B51 B52 B55 B57 B59 H05 H06 H13		NC DUKE UNIV. (DURHAM)	E-2B-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730709 730800	AUG.-AUG. 1979	H03 H12 H24 H25 H29 B01 B02 B07 B35 B80 B54 B55 B56		NC DUKE UNIV. (DURHAM)	E-3B-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730794	AUG.-SEP. 1979	G02 G04 G08 G70 G23 G24 G25 G31 90	ATLANTIC COAST SHELF CORE PROJECT	NC DUKE UNIV. (DURHAM)	E-5-7	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730783 730784	APR.-MAY 1979	G01 G04 G08 G23 G31 D01 D02 B18 B26 B51 B52 B55 B57 B58 B59 H07 H08 H13	BLM-CANYON ASSESSMENT STUDY	NC DUKE UNIV. (DURHAM)	E-2A-79	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730783 730784	APR.-MAY 1979	G04 G04 G08 G23 G31 D01 D02 B18 B26 B51 B52 B55 B57 B58 B59 H07 H08 H13	BLM-CANYON ASSESSMENT STUDY	NC DUKE UNIV. (DURHAM)	E-2A-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 740607 740618	MAY-MAY 1979	G01 G04 G08 G23 G31 D02 B18 B26 B51 B52 B55 B57 B59 H05 H06 H13	BLM-CANYON ASSESSMENT STUDY	NC DUKE UNIV. (DURHAM)	E-2B-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 720777 720778	JULY-AUG. 1979	G01 G02 G04 G08 G23 G25 G28 G31 G35 G37 G38	DEEP CARBONATE BANK MARGIN STRUCTURE AND SEDIMENTATION	NC DUKE UNIV. (DURHAM)	E-3A-79	NO
EASTWARD	NORTH ATLANTIC OCEAN 7406	JULY-JULY 1979	G02 G04 H09 B17 B18	GULF OF MAINE SURVEY	NC DUKE UNIV. (DURHAM)	E-2F-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 7306	JUNE-JUNE 1979	G02 G04 G25 H03 H04 H09 B08 B09	MUIR SEAMOUNT SURVEY	NC DUKE UNIV. (DURHAM)	E-2D-79	NO
EASTWARD	NW ATLANTIC (LIMIT 40 W) 7504	JUNE-JUNE 1979	G04 G22 G25 H09 B08 B09 B51	MUIR SEAMOUNT SURVEY	NC DUKE UNIV. (DURHAM)	E-2E-79	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EASTWARD	NW ATLANTIC (LIMIT 40 W) 730764	AUG.-AUG. 1979	G02 G04 G08 G70 G23 G31 G32 G37 H09 H22 H24 H29 H30 H31 H32 H33 H90 B18	N.C. SLOPE SEDIMENT GEOCHEMISTRY	NC DUKE UNIV. (DURHAM)	E-4-79	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7307 7407	MAR.-MAR. 1979	H09 H13 B01 B02 B08 B09 B10 B80		NY SUNY (STONY BROOK, LONG ISLAND)	AL 79-02	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
SUB SIG II	NW ATLANTIC (LIMIT 40 W)	MAR.-MAR. 1979	M06 H10 H13 H21 H22 H24 H25 H26 H29 B01 B02	SUPPORT HYDROGRAPHY	RAYTHEON CO. (PORTSMOUTH, R. I.)	7901	NO
	740606 740607						
	740615 740616						
	740617 740618						
	740619 740625						
	740626 740627						
	740700						
SUB SIG II	NW ATLANTIC (LIMIT 40 W)	MAY-JUNE 1979	D05 M06 H01 H02 H10 H13 H21 H22 H24 H25 H26 H29 B01 B02 B08	SUPPORT HYDROGRAPHY	RAYTHEON CO. (PORTSMOUTH, R. I.)	7902	NO
	740606 740607						
	740615 740616						
	740617 740618						
	740619 740625						
	740626 740627						
	740700						

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) 7307	JAN.-JAN. 1979	D01 D10 M03 H01 H02 H03 H04 H09 H10 H13		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-031	NO
ENDEAVOR	GULF OF MEXICO 720953 720961 720963 720965 720971 720972 720992	JAN.-FEB. 1979	G04 G25 G35 H09 H33		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-032	NO
ENDEAVOR	CARIBBEAN SEA 710880 710881 710882 710883 710894	FEB.-JUNE 1979	H09 H13 H21 H27 H28 B02 B04 B06 B07 B08 B80 B52 B54 B90		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-033	NO
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) ARCTIC OCEAN 7600 7601	MAR.-APR. 1979	H03 H04 H21 H22 H24 H25 H26 H27 H33 B01 B02 B04 B05 B07 B35 B56 B90		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-034	NO
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) 7106 7205 7206 7305 730527 7306 7307 730790 7407 740700	APR.-APR. 1979	G08 G10 G25 D02 H03 H04 H05 H13		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-035	NO
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) 7307	MAY-MAY 1979	G22 D02 D90 M05 H01 H03 H04 H13 B26 B51 B52		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-036	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) 7307	MAY-MAY 1979	D01 D10 D90 M03 H03 H04 H09 H10 H13		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-037	NO
ENDEAVOR	NW ATLANTIC (LIMIT 40 W) 7306 7307	JUNE-JULY 1979	M06 H10 H13		RI UNIV. OF RHODE ISLAND GRAD SCHOOL OF OCY (KINGSTON)	EN-038	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
DROGUE	NW ATLANTIC (LIMIT 40 W) 730728	JUNE-JULY 1979	D05	OCS-SOUTH ATLANTIC	SCIENCE APPLICATIONS, INC. (RALEIGH, N. C.)	SURFACE CURRENTS-SECO ND DEPLOYMENT	NO



SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
CURRENT METER	NW ATLANTIC (LIMIT 40 W) 730728	JAN.-FEB. 1979	D05	OCS-SOUTH ATLANTIC	SCIENCE APPLICATIONS, INC. (LA JOLLA, CALIF.)	SURFACE CURRENTS-1ST DEPLOYMENT	NO
PIERCE (IMS-MIAMI)	NW ATLANTIC (LIMIT 40 W) 720799 720890 720891 730709 730719 730727 730728 730729 730737 730738 730800 730810 730811	MAR.-MAR. 1979	D01 D02 M05 H01 H02 H03 H04 H09 H10 H11 H13 H80 H21 H22 H24 H26 H90	OCS-SOUTH ATLANTIC	SCIENCE APPLICATIONS, INC. (LA JOLLA, CALIF.)	SAI WINTER CRUISE	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EXCELLENCE	GULF OF MEXICO 720985	FEB.-FEB. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P03 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	17	YES
EXCELLENCE	GULF OF MEXICO 720985	APR.-APR. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 P01 P03 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	19	YES
EXCELLENCE	GULF OF MEXICO 720985	MAY-MAY 1979	D01 D02 D90 B08 B09 B11 B18 B51 B52 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02	STRATEGIC PETROLEUM RESERVE: BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	20	YES
EXCELLENCE	GULF OF MEXICO 720985	JUNE-JUNE 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE: BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	21	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EXCELLENCE	GULF OF MEXICO 720985	JULY-JULY 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	22	YES
EXCELLENCE	GULF OF MEXICO 720985	AUG.-AUG. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18 B51	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	23	YES
EXCELLENCE	GULF OF MEXICO 720985	SEP.-SEP. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	24	YES
EXCELLENCE	GULF OF MEXICO 720985	OCT.-OCT. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	25	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
EXCELLENCE	GULF OF MEXICO 720985	NOV.-NOV. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H28 H90 P01 P02 B08 B09 B11 B18	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	26	YES
LASH ATLANTICO	GULF OF MEXICO 720985	MAR.-MAR. 1979	D01 D02 D90 H03 H04 H07 H08 H21 H22 H23 H24 H25 H26 H27 H90 P01 P03 B11 B18 B51 B52	STRATEGIC PETROLEUM RESERVE BRINE DISPOSAL	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	18	YES
ROUNSEFELL	GULF OF MEXICO 720884	MAR.-MAR. 1979	G08 D01 D02 D90 M05 B17 B18 B22 B51 B55 B57 H10 H21 H22 H24 H26	BLM/OCS-TOPOGRAPHIC FEATURES	TX TEXAS A&M UNIVERSITY (COLLEGE STATION)	3RD DIVING CRUISE	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ENDEAVOR	GULF OF MEXICO 7208	NOV.-DEC. 1979	G22 H01 H10 H13 H17 H21 H22 H24 H25 H26 H28 H30 H32 H90 P01 P03 P90 B01 B02 B07 B08 B09 B35 B51 B52 B54 B55 B59 B63 B64 B90	ROME 1	US DOC NOAA ERL AOML (MIAMI, FL)	EN 046	YES
KELEZ, G. B.	NW ATLANTIC (LIMIT 40 W) 730793 740703	JUNE-JUNE 1979	P01	MESA	US DOC NOAA ERL AOML (MIAMI, FL)	CMM/NEPH-5	NO
KELEZ, G. B.	NW ATLANTIC (LIMIT 40 W) 740703 740704	APR.-APR. 1979	H09 P01	MESA INSTEP	US DOC NOAA ERL AOML (MIAMI, FL)		NO
KELEZ, G. B.	NW ATLANTIC (LIMIT 40 W) 730792 730793 730794 740702 740703 740704	APR.-APR. 1979	G70 M05 H10 H16 H21 H22 H24 H25 H26 H90 P01 B02 B08 B26	MESA-N.Y. BIGHT	US DOC NOAA ERL AOML (MIAMI, FL)	XWCC-21	YES
KELEZ, G. B.	NW ATLANTIC (LIMIT 40 W) 730782 730783 730784 730792 730793 730794	JULY-JULY 1979	M06 H03 H04 H07 H08 H10 H21 H22 H24 H25 H26 H33 B02	MESA-N.Y. BIGHT	US DOC NOAA ERL AOML (MIAMI, FL)	XWCC-23	YES
KELEZ, G. B.	NW ATLANTIC (LIMIT 40 W) 730702 730703 730704 730792 730793 730794	AUG.-AUG. 1979	M06 H10 H16 H21 H22 H24 H25 H26 H90 B08 B80	MESA-N.Y. BIGHT	US DOC NOAA ERL AOML (MIAMI, FL)	XWCC-24	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
PIERCE, G. W.	GULF OF MEXICO 7109 7209	SEP.-SEP. 1979	H04 H13 H80 H21 H22 H24 H25 H26 H32 H33 H90 P01 P05 P13 P90 B07 B08 B09 B80 B51 B52 B54 B56 B59 B90	IXTOC-1	US DOC NOAA ERL AOML (MIAMI, FL)		YES
RESEARCHER (NOAA)	GULF OF MEXICO 7109 7208 7209	SEP.-SEP. 1979	G02 G04 H03 H04 H07 H08 H10 H13 H80 H21 H22 H24 H25 H26 H30 H32 H33 H90 P01 P05 P13 P90 B07 B51 B52 B54 B56 B63	IXTOC-1	US DOC NOAA ERL AOML (MIAMI, FL)		YES
RESEARCHER (NOAA)	NE ATLANTIC (LIMIT 40 W) SE ATLANTIC (LIMIT 20 W) SW ATLANTIC (LIMIT 20 W) 5002 7002	JAN.-FEB. 1979	D01 D05 M01 M90 H10 H13 B80	O TEC FGGE	US DOC NOAA ERL AOML (MIAMI, FL)	FGGE-SOP-1	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
RESEARCHER (NOAA)	NE ATLANTIC (LIMIT 40 W) SE ATLANTIC (LIMIT 20 W) SW ATLANTIC (LIMIT 20 W) 500105 500106 500107 500108 500109 500201 500202 500203 500204 500205 500215 500225 500235 700105 700106 700107 700108 700109 700201 700202 700203 700204 700205	JULY-AUG. 1979	G23 D05 H01 H10 H13 H80	OTEC/FGGE FGGE	US DOC NOAA ERL AOML (MIAMI, FL)	RP-5-RE-79	YES
VIRGINIA KEY	GULF OF MEXICO NE ATLANTIC (LIMIT 40 W) 7208	APR.-APR. 1979	H01 H03 H10 H13 H16 H17 B02 B09	OTEC OTEC	US DOC NOAA ERL AOML (MIAMI, FL)	7906	YES
VIRGINIA KEY	GULF OF MEXICO NW ATLANTIC (LIMIT 40 W) 7208	MAY-MAY 1979	H01 H02 H10 H13 H16 H17 B02	OTEC OTEC	US DOC NOAA ERL AOML (MIAMI, FL)	7907	YES
WHITING	NW ATLANTIC (LIMIT 40 W) 7406	MAY-MAY 1979	G02 G22 G24	CONSED	US DOC NOAA ERL AOML (MIAMI, FL)	NANTUCKET SHOALS	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
OREGON II	GULF OF MEXICO 7209	MAY-JUNE 1979	H03 H04 H07 H08 H13	MEXUS-GULF, SHRIMP TAGGING	US DOC NOAA NMFS (GALVESTON, TX)	OT-79-03 (96)	NO
TONYA AND JOE	GULF OF MEXICO 720994 720995 720996	OCT.-NOV. 1979	H03 H04 H07 H08 H21 H90 B09 B21 B32 B33 B34 B52 B54 B59 B60	BRYAN MOUND BRINE DISPOSAL STUDY	US DOC NOAA NMFS (GALVESTON, TX)	SPAWNING SITE STUDY	YES
TONYA AND JOE	GULF OF MEXICO 720984	SEP.-SEP. 1979	H05 H07 H08 H16 B21 B37 B59	SHRIMP STUDY-BRYAN MOUND DISPOSAL SITE	US DOC NOAA NMFS (GALVESTON, TX)	SHRIMP MARK/RELEASE	YES
TONYA AND JOE	GULF OF MEXICO 720984	SEP.-OCT. 1979	H05 H07 H08 H16 B20 B37 B59	SHRIMP STUDY-BRYAN MOUND DISPOSAL SITE	US DOC NOAA NMFS (GALVESTON, TX)	SHRIMP MARK/RELEASE	YES
TONYA AND JOE	GULF OF MEXICO 720984	OCT.-OCT. 1979	H07 H08 H16 B21 B37 B59	SHRIMP STUDY-BRYAN MOUND DISPOSAL SITE	US DOC NOAA NMFS (GALVESTON, TX)	SHRIMP MARK/RELEASE	YES
TONYA AND JOE	GULF OF MEXICO 720984	NOV.-NOV. 1979	H07 H08 H16 B21 B37 B59	SHRIMP STUDY-BRYAN MOUND DISPOSAL SITE	US DOC NOAA NMFS (GALVESTON, TX)	SHRIMP MARK/RELEASE	YES
TONYA AND JOE	GULF OF MEXICO 720984	NOV.-NOV. 1979	H05 H07 H08 H16 B21 B37 B59	SHRIMP STUDY-BRYAN MOUND DISPOSAL SITE	US DOC NOAA NMFS (GALVESTON, TX)	SHRIMP MARK/RELEASE	YES



SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ADVANCE	NW ATLANTIC (LIMIT 40 W) 7307 7407	APR.-APR. 1979	G03 H09 H13 B01 B02 B07 B08 B10 B25 B26 B60	OCEAN PULSE MONITORING	US DOC NOAA NMFS (HIGHLANDS, NJ)	AD 79-01	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	JUNE-JULY 1979	M05 H09 H13 H16 B01 B08 B09 B10 B25		US DOC NOAA NMFS (HIGHLANDS, NJ)	AL 79-06	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	JUNE-JULY 1979	D10 M05 H03 H09 H13 H16 H21 H22 H23 H24 H25 H26 H90 B01 B02 B08 B09 B10 B13 B26 B51 B53 B54 B57 B59	MARINE ECOSYSTEMS DIVISION	US DOC NOAA NMFS (HIGHLANDS, NJ)	AL-79-06	YES
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	OCT.-OCT. 1979	D10 M05 H03 H09 H13 H16 H21 H22 H23 H24 H25 H26 H27 H28 H90 B01 B02 B07 B08 B09 B10 B13 B25 B26 B51 B53 B54 B57 B59	MARINE ECOSYSTEMS DIVISION	US DOC NOAA NMFS (HIGHLANDS, NJ)	79-11	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	MAY-MAY 1979	M05 H03 H09 H13 H16 H21 B01 B02 B09 B10 B26		US DOC NOAA NMFS (HIGHLANDS, NJ)	DE 79-05	NO
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	FEB.-MAR. 1979	D10 M06 H03 H09 H13 H16 H21 P03 B01 B02 B08 B09 B10 B13 B26 B51 B54 B55 B57 B59	MARINE ECOSYSTEMS DIVISION	US DOC NOAA NMFS (HIGHLANDS, NJ)	DE-79-03	YES
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	MAY-MAY 1979	D10 M06 H03 H09 H13 H16 H21 H22 H24 H25 H26 B01 B02 B08 B09 B10 B13 B26 B51 B53 B54 B57 B59	MARINE ECOSYSTEMS DIVISION	US DOC NOAA NMFS (HIGHLANDS, NJ)	DE-79-05	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
CROMWELL, T.	NE PACIFIC (LIMIT 180)	JAN.-MAR. 1979	D03 M01	PORPOISE DISTRIBUTION SURVEY	US DOC NOAA NMFS (LA JOLLA, CA)	TC-79-1	NO
	SE PACIFIC (LIMIT 140 W)		M06 H01				
	7008 7009		H13 P03				
	7010 7011		B25 B26				
	7012 7013		B52 B53				
	7014 7108		B57 B61				
	7109 7110						
	7111 7112						
	7212 7213						
	7215						
	JORDAN, D. S.		NE PACIFIC (LIMIT 180)				
SE PACIFIC (LIMIT 140 W)		H01 H13					
5008 5009		P03 B10					
7008 7009		B25 B26					
7010 7011		B52 B53					
7108 7109		B57 B61					
7110 7111							
7210 7211							

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ACTIVE	NW ATLANTIC (LIMIT 40W) 7406 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7901	YES
ACTIVE	NW ATLANTIC (LIMIT 40W) 7406 7407	APR.-APR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7902	YES
ALIOT	NW ATLANTIC (LIMIT 40 W) 7406	AUG.-AUG. 1979	H13 B09 B10 B26		US DOC NOAA NMFS (NARRAGANSETT, RI)	79-02	YES
ALLEGIANCE	GULF OF MEXICO 7208 7209	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7901	YES
ALLEGIANCE	GULF OF MEXICO 7208 7209	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7902	YES
ALLEGIANCE	GULF OF MEXICO 7208 7209	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7903	YES
ALLEGIANCE	GULF OF MEXICO 7208 7209	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7904	YES
BELEGORSK	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	SEP.-OCT. 1979	H13 H21 H24 H25 B01 B02 B08 B09		US DOC NOAA NMFS (NARRAGANSETT, RI)	79-03	YES
BELEGORSK	NW ATLANTIC (LIMIT 40 W) 7406 7407	NOV.-NOV. 1979	B01 B02 B08 B10 H09 H13 H16 H21		US DOC NOAA NMFS (NARRAGANSETT, RI)	79-05	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7902	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7903	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7904	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7905	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7906	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	OCT.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7907	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7908	YES
CARIBOU REEFER II (CANADIAN)	NW ATLANTIC (LIMIT 40W) 7406 7407	DEC.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	GLCS 7909	YES
CHEROKEE	NW ATLANTIC (LIMIT 40W) 7307	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7901	YES
CHILULA	NW ATLANTIC (LIMIT 40W) 7307	APR.-APR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7901	YES
DECISIVE	NW ATLANTIC (LIMIT 40W) 7406 7407	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	CSGL 7901	YES
DELTA ECUADOR	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANY 7901	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
DELTA ECUADOR	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	AUG.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANY 7902	YES
DELTA MAR	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	APR.-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7901	YES
DELTA MAR	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	JUNE-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7902	YES
DELTA NORTE	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7901	YES
DELTA NORTE	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	NOV.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7902	YES
DELTA SUD	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	JULY-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7901	YES
DURABLE	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	DEC.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7901	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7901	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7902	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7903	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7904	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	JULY-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7905	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7905	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7906	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7907	YES
ENDEAVOR	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7908	YES
EVERGREEN	NW ATLANTIC (LIMIT 40W) 7307 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7901	YES
EXPORT BUILDER	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYMD 7901	YES
EXPORT BUILDER	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	MDNY 7902	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
INGHAM	NW ATLANTIC (LIMIT 40W) 7307	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7901	YES
INGHAM	NW ATLANTIC (LIMIT 40W) 7307	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7902	YES
INGHAM	NW ATLANTIC (LIMIT 40W) 7307	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7903	YES
INGHAM	NW ATLANTIC (LIMIT 40W) 7307	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	HONF 7904	YES
LASH ATLANTICO	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	FEB.-FEB. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	MDNY 7901	YES
LASH ATLANTICO	NW ATLANTIC (LIMIT 40W) 7307	APR.-APR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	HONF 7902	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7901	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	FEB.-FEB. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7902	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7903	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	APR.-APR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7904	YES



SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7905	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7906	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7907	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7908	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7910	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7911	YES
MARINE EVANGELINE	NW ATLANTIC (LIMIT 40W) 7406 7407	DEC.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	YRPR 7912	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	FEB.-FEB. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7901	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYSA 7903	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANY 7902	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7904	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7905	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANY 7907	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7908	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7909	YES
MORMAC ARGO	NW ATLANTIC (LIMIT 40W) 7307 7407	DEC.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7910	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7306 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYSA 7901	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7902	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307. 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7903	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7904	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7905	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANY 7901	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7907	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	DSNY 7908	YES
MORMAC RIGEL	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-DEC. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7909	YES
OCEANUS	NW ATLANTIC (LIMIT 40W) 7307 7407	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7901	YES
OCEANUS	NW ATLANTIC (LIMIT 40W) 7307 7407	FEB.-FEB. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7902	YES
OCEANUS	NW ATLANTIC (LIMIT 40W) 7307 7407	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7903	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7901	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7903	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	APR.-APR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7904	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7905	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7906	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7907	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7909	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7908	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	JULY-JULY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7910	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7911	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL NOFL	YES
QUEENY, EDGAR M.	GULF OF MEXICO 7208 7209	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOFL 7913	YES
TAMAROA	NW ATLANTIC (LIMIT 40W) 7307 7407	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7901	YES
TAMAROA	NW ATLANTIC (LIMIT 40W) 7307 7407	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7902	YES
TAMAROA	NW ATLANTIC (LIMIT 40W) 7307 7407	JUNE-JUNE 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7904	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
TAMAROA	NW ATLANTIC (LIMIT 40W) 7307 7407	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7905	YES
TANEY (FORMERLY R. B.)	NW ATLANTIC (LIMIT 40W) 7307	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7901	YES
TANEY (FORMERLY R. B.)	NW ATLANTIC (LIMIT 40W) 7307	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NFHO 7902	YES
TANEY (FORMERLY R. B.)	NW ATLANTIC (LIMIT 40W) 7307	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	HONF 7903	YES
UNIMAK	NW ATLANTIC (LIMIT 40W) 7307 7407	JAN.-JAN. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	WT71 7901	YES
VALIANT	GULF OF MEXICO 7208 7209	FEB.-FEB. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	FLNO 7901	YES
VALIANT	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	MAR.-MAR. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANO 7902	YES
VALIANT	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	AUG.-AUG. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NOSA 7903	YES
VALIANT	GULF OF MEXICO CARIBBEAN SEA 7108 7109 7208 7209	SEP.-SEP. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	SANO 7904	YES
VIGOROUS	NW ATLANTIC (LIMIT 40W) 7307 7407	OCT.-OCT. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7901	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
WHITING	NW ATLANTIC (LIMIT 40W) 7307 7407	MAY-MAY 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	NYDS 7901	YES
WIECZNO	NW ATLANTIC (LIMIT 40 W) 7307	OCT.-NOV. 1979	H13 B37	ACOUSTIC TELEMTRY EXPERIMENTS BLUE SHARKS	US DOC NOAA NMFS (NARRAGANSETT, RI)	79-02	YES
WIECZNO	NW ATLANTIC (LIMIT 40W) 7307 7407	NOV.-NOV. 1979	H13	MARMAP SOOP	US DOC NOAA NMFS (NARRAGANSETT, RI)	71WT 7901	YES
WIECZNO	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	OCT.-OCT. 1979	H13 B37 B56 B60	SURVEY OF APEX PREDATORS	US DOC NOAA NMFS (NARRAGANSETT, RI)	79-01	YES

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ADVANCE II	NW ATLANTIC (LIMIT 40 W) 7307 7407	APR.-APR. 1979	G02 G31 G32 H03 H04 H07 H08 H13 H16 H21 H22 H23 H24 H25 H26 H27 H28 H90 P02 P03 P12 P13 B01 B02 B04 B05 B06 B08 B09 B10 B12 B16 B18 B19 B20 B21 B25 B26 B33 B55 B56 B57 B58 B51 B52 B53 B54 B59 B60 B61	OCEAN PULSE	US DOC NOAA NMFS (WOODS HOLE, MA)	AD 79-01	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7307 7407	MAY-JUNE 1979	H04 H13 B20 B25 B26 B52 B55 B65	SEA SCALLOP SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	AL 79-04, I & II	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7406	MAR.-APR. 1979	M05 H04 H13 B19 B52 B56 B65	SPRING BOTTOM TRAWL SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	AL 79-00, I	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7406	APR.-MAY 1979	M05 H03 H04 H13 B08 B09 B10 B19 B53 B55 B58 B65	SPRING BOTTOM TRAWL SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	AL 79-03	NO
ALBATROSS IV	NW ATLANTIC (LIMIT 40 W) 7406	AUG.-AUG. 1979	H03 H04 H13 B19 B90	SUMMER BOTTOM TRAWL SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	AL 79-08, PT. II	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
BELEGORSK	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	AUG.-SEP. 1979	H09 H13 H16 H21 B01 B02 B08 B09 B10		US DOC NOAA NMFS (WOODS HOLE, MA)	79-01	YES
DELAWARE II	NORTH ATLANTIC OCEAN 740618 740619 740628 740629	SEP.-SEP. 1979	B64	FOOD CHAIN STUDY	US DOC NOAA NMFS (WOODS HOLE, MA)	DE 79-09	NO
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7407	JAN.-FEB. 1979	M06 H03 H13 B20 B52 B58	OCEAN SHELLFISH ASSESSMENT	US DOC NOAA NMFS (WOODS HOLE, MA)	DE78-08	YES
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7407	JAN.-FEB. 1979	H09 H13 B20 B26 B52 B90	SHELLFISH RESOURCE ASSESSMENT SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	DE 79-07, PARTS 1-5	NO
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7307 7407	MAR.-APR. 1979	H04 H13 B19 B52 B53 B56 B65	SPRING BOTTOM TRAWL SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	79-04, I	NO
DELAWARE II	NW ATLANTIC (LIMIT 40 W) 7406 7407	APR.-APR. 1979	M05 H03 H04 H13 B08 B09 B19 B53 B55 B58 B65	SPRING BOTTOM TRAWL SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	DE 79-04	NO
EISBAR	NW ATLANTIC (LIMIT 40 W) 7406 7407	APR.-MAY 1979	M05 H13 B08 B09 B10 B19 B52 B58 B65	MARMAP MARMAP	US DOC NOAA NMFS (WOODS HOLE, MA)	79-01	YES
MT MITCHELL	NW ATLANTIC (LIMIT 40 W) 740606 740607 740608 740609 740616 740617 740618 740619 740700	FEB.-FEB. 1979	B09 H04 H09 H13	LARVAL HERRING SURVEY	US DOC NOAA NMFS (WOODS HOLE, MA)	79-02	NO



SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
WHITING	NW ATLANTIC (LIMIT 40 W) 730790 740700	MAY-MAY 1979	H09 H13 H21		US DOC NOAA NMFS (WOODS HOLE, MA)	WH-FRC-05/06-7 NO 9	

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
FERREL	GULF OF MEXICO 720991 720993	JAN.-JAN. 1979	D01 2 . D02 2 . D09 2 . M06 2 . H04 2 . H08 2 . H10 2 . H21 2	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	US DOC NOAA NOS (NORFOLK, VA)	JANUARY 1979	NO
FERREL	GULF OF MEXICO 720991 720993	FEB.-FEB. 1979	D01 2 . D02 2 . D09 2 . M06 2 . H04 2 . H08 2 . H10 2 . H21 2	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	US DOC NOAA NOS (NORFOLK, VA)		NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
FERREL	GULF OF MEXICO 720991 720993	MAR.-MAR. 1979	D01 2 . D02 2 . D09 2 . M06 2 . H04 2 . H08 2 . H10 2 . H21 2	STRATEGIC PETROLEUM RESERVE, BRINE DISPOSAL	US DOC NOAA NOS (ROCKVILLE, MD)	MARCH 1979	NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
SARIMA	CARIBBEAN SEA 7106	MAR.-MAR. 1979	G03 G04 G25 D01 D02	ST. CROIX, ST. THOMAS SHELVES	US DOI GEOLOGICAL SURVEY (CORPUS CHRISTI, TX)		NO

SHIP	AREA	DATE	PROGRAMME	EXPEDITION/PROJECT	OPERATING AGENCY	CRUISE NUMBER	DNP
ASTERIAS	NW ATLANTIC (LIMIT 40 W) 7407	AUG.-AUG. 1979	G25	MASSACHUSETTS CO-OP	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	AST-8-79	NO
GILLISS	NW ATLANTIC (LIMIT 40 W) 7306 7307 7406	JUNE-JUNE 1979	G23 G25 G27 G28	OCS-ENVIRONMENTAL ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	GS7903-3	NO
GILLISS	NW ATLANTIC (LIMIT 40 W) 7307	JUNE-JULY 1979	G23 G24 G25 G27 G28 G80	OCS-ENVIRONMENTAL ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	GS 7903-4	NO
JEAN A.	CARIBBEAN SEA 7106	APR.-MAY 1979	G24 G25	PUERTO RICO-MARINE GEOLOGY CO-OP	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	79-5	NO
JEAN A.	CARIBBEAN SEA 7106	FEB.-FEB. 1979	G02 G23 G25	PUERTO RICO-RESOURCE ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	79-2	NO
JEAN A.	CARIBBEAN SEA 7106	APR.-APR. 1979	G04	PUERTO RICO-RESOURCE ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	79-3	NO
OCEANUS	NW ATLANTIC (LIMIT 40 W) 7307 7406 7407	MAR.-MAR. 1979	G02 G04 G70 G23 G24 D01 D90 H08 H10 H13	OCS-ENVIRONMENTAL ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	56	NO
OCEANUS	NW ATLANTIC (LIMIT 40 W) 7406	MAR.-MAR. 1979	G02 D01 D90 H08 H13	OCS-ENVIRONMENTAL ASSESSMENT	US DOI GEOLOGICAL SURVEY (WOODS HOLE, MA)	58	NO