

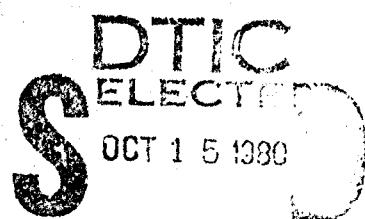
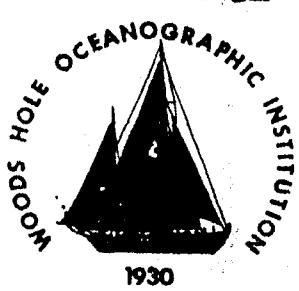
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Woods Hole Oceanographic Institution



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THE WHOI MOORED ARRAY PROJECT 1963-1978: DATA DIRECTORY AND BIBLIOGRAPHY

by

S. Tarbell, M. Chaffee,
A. Williams and R. Payne

August 1980

TECHNICAL REPORT

Prepared for the Office of Naval Research
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Valentine Worthington
Valentine Worthington, Chairman
Department of Physical Oceanography

ABSTRACT

General information about mooring locations, durations and data gathered by the Moored Array Project (also known as Buoy Group) between late 1963 and 1978 is listed. Also included is a comprehensive list of scientific and technical publications written by the Buoy Group staff.

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This report has been a cooperative effort for a number of years. The early charts were compiled and drafted by Margaret Chaffee. The table of available data is mostly the work of Phyllis Hayes, a summer student and the bibliography was compiled by Audrey Williams.

Many people have contributed special time and effort in the area of documentation. Among them are Nick Fofonoff, Ferris Webster, Robert Heinmiller, Raymond Pollard, George Tupper, Jim McCullough, and Gordon Volkmann. Many more have contributed to the most basic level of documentation, the careful daily records kept by the mooring, instrument and data processing sections. It is this solid base of unglamorous paper work that supports the effort of the scientific staff and makes possible this report, the distillation of everyone's continuous effort.

The Early Years

In 1959 a long-range program of oceanographic environmental research was outlined and submitted to the Office of Naval Research from the Woods Hole Oceanographic Institution. Among the recommendations were the use of fixed and drifting instrumented buoys to measure the distribution and variability of ocean currents. The specific projects were developed further in a formal proposal to the Office of Naval Research in 1960. The general objectives were "to achieve a greater understanding of the 'climatic' qualities of the circulation of the oceans". The major specific effort was to "be devoted to the development of suitable unmanned equipment for the collection of data pertinent to the prediction problem and an experimental line of stations through the Gulf Stream to be set up to evaluate these techniques and collect essential data on the time variations of this major current system".

The W.H.O.I. Buoy Group, set up initially under the guidance of Dr. W. S. Richardson, designed and built the prototype moorings, current meters and other instruments. The first batch of 100 current meters plus wind recorders were assembled at W.H.O.I. during Spring 1961 for deployment at 12 mooring sites between Cape Cod and Bermuda.

The program encountered serious problems from the outset. Loss rates were unacceptably high, ranging from 40 to 90% of the instruments set for periods of two to three months. Of the records recovered, most were seriously contaminated by high levels of high-frequency noise from mooring motion.

Although the instruments and moorings were redesigned for redeployment in 1962, the modifications were inadequate to meet the conditions (largely unknown) encountered at sea. The Bermuda buoy line was discontinued in Spring 1962. The outlook for long-term moored array experiments appeared bleak. However, experimentation and redesign continued. Film records recovered in 1962 were analyzed manually to identify sampling and recording problems and to expose the various modes of mooring motion that degraded the records. In 1963, the program emphasis was shifted to engineering and

development. Current meters were redesigned with sampling rates that matched the wide-band signals seen from moorings. Records from these instruments proved to be machine-readable and quickly exposed the real structure of the signal spectrum. Realistic specifications could now be set for the next generation of current meters. (A more detailed discussion is available in Fofonoff, 1968.)

Solving the current meter sampling problem did not eliminate the high loss rate of instruments at sea (35% for exposure periods of two weeks or more during 1965-67). Improvements continued to be slow and uncertain until reliable acoustic releases were developed and an effective back-up recovery system was designed. Development of mooring techniques has been described by Heinmiller (1975, 1976a, b). The ability to conduct post-mortems on mooring failures led to a rapid improvement in durability and resistance to corrosion and fatigue of mooring components. In 1968 recoveries of better than 90% were attained, eliminating a major constraint on application of moored buoys for scientific use. A rapid expansion in number and scope of scientific experiments followed starting in 1969.

The present report catalogues the experiments carried out, the data collected, and the resulting scientific papers and technical reports during the period from 1963 to 1979. The evolution of moored buoy techniques is apparent in the maps and listings included. The continued support of the Office of Naval Research has been essential to the development of moored buoy techniques, especially during the 60's when the scientific returns seemed at times so meager compared to the investments.

Instruments

The overriding goal of the Buoy Group, from the beginning, has been to make accurate observations of ocean currents on an accurate time base. Over the years, the data treatment and recording methods within the current meters have changed radically while the sensors, the Savonius rotor and vane, have stayed very nearly like the original models. Also, other variables, such as temperature, differential temperature, and pressure have been added to the observations recorded.

Table 1 contains a very brief summary of the instrument developments which we will comment on here.

The first current meters were manufactured by Geodyne, Inc. These recorded their data on movie film and used mechanical clocks for the time base. Transferring the data to magnetic tape for digital processing was difficult and not particularly reliable so it was hailed as a great advance when Geodyne brought out the Model 850. This uses basically the same instrument but recorded on magnetic tape in endless loop cartridges. Both the film recording and Model 850 current meter used burst sampling recording, giving the investigators a measure of the high frequency content in ocean currents, but the magnetic tape increased the data storage capacity as well as the reliability. Replacing the mechanical clocks with quartz crystal oscillators improved the accuracy and reliability of the time by a remarkable amount.

In 1971, the first prototypes of the Vector Averaging Current Meter (VACM) were deployed. This instrument, conceived and designed at W.H.O.I., used the vane and Savonius rotor for sensors but vector averaged the data nearly continuously and recorded digitally on magnetic tape cassettes. Vector averaging effectively removed the aliasing problem and the recording techniques developed increased the data capacity of the current meters markedly. A combination of up-to-date electronics and very careful maintenance and servicing yielded a remarkably reliable instrument.

Water temperature has been recorded in all VACMs by means of thermistors. An accuracy of .01°C is achieved routinely (Payne et al., 1976). Other variables have been added to the observations as the need arose. The requirement for small scale temperature gradients prompted the development of the differential temperature (DT) circuits for the Internal Wave experiment (IWEX). The need for monitoring mooring behavior gave rise to the measurement of pressure in the VACM. The multiplexing circuit was developed at the same time to allow the recording of several variables besides current without increasing the number of circuit boards and therefore the size and power requirements of the instrument.

The Model 850 has continued to yield quite satisfactory data and all of our Model 850s are in active use. Substantial improvements have been made to the electronics resulting in improved reliability (Valdes, 1977). The ability to measure temperature has been added to all the Model 850s.

During the past 3 or 4 years the Buoy Group has come to expect a rather high level of performance from its instruments, order of 90% data return from the VACMs and only slightly less from the Model 850s. Recently two moorings were recovered after an 18 month deployment with excellent data return.

Instruments from other institutions have been deployed on Buoy Group moorings. The best example is probably the temperature-pressure recorder (T/P) developed at M.I.T.'s Draper Laboratories under John Dahlen. The T/P was developed for use on the MODE moorings and gave the Buoy Group its first quantitative information on vertical mooring motion.

CALENDAR OF EVENTS

- 1963 The data gathered was used to determine the effectiveness and limitations of the instrument (film recording current meter made by the Geodyne Corporation) and the mooring system. Data quality is marginal in all cases due to the state of the art at that time. Data quality problems include light struck film, blurring between channels, film transport uneven, and uneven light intensity causing channels to be misread on machine reading.
- 1964 Solving instrument and engineering problems was the principal thrust of the project. Removing the large external fin and damping the vane follower were just two of the instrument modifications. Our present system of naming moorings and data files was initiated and previously set moorings and data series re-named to conform to the new procedure.
- 1965 The first good two month time series was recovered. Instrument changes included a magnetic switch turn-on (from a mercury switch) and double ended (vane one end, rotor other end) to single ended current meters.
- 1966 A few of the instruments were modified to record on magnetic tape instead of on film.
- 1967 The conversion to magnetic tape recording instruments was continued. Mooring work was suspended pending results of experimental mooring types.
- 1968 Finished converting from film to magnetic tape recording instruments. Larger, faster computer system installed (Sigma 7). All data series converted to the Maltais Format (Maltais, 1969) on the new computer. The back-up recovery system (Berteaux and Heinmiller, 1969) was to be used on all moorings.
- 1969 The first crystal clocks were installed, replacing the less accurate mechanical clocks.
- 1970 The first intermediate moorings (Heinmiller and Walden, 1973) were set. Directional inaccuracies in vane follower and northern bias were measured and corrected. The increase in mooring and instrument reliability started a trend to set moorings in arrays.

CALENDAR OF EVENTS (cont.)

- 1971 Prototypes of the Vector Averaging Current Meter (VACM) were used successfully. A few of the Model 850 instruments were modified to include a temperature sensor. The first mooring with an intended duration of 1 year was set. The MODE/POLYMODE experiments began with MODE 0, Array 1.
- 1972 The 1 year mooring was recovered (388 days). The modification of the Model 850 to include temperature was continued and calibration techniques were devised for the thermistors. The VACMs were modified to correct a design flaw. Compass, vane values were lost if the rotor had not turned 1/8th of a turn. The modification forced a count of one in the rotor. MODE was continued with Arrays 2 and 3.
- 1973 Modified VACMs that recorded differential temperature were used in IWEX. MODE 1, set in the spring, was the largest array set by the Buoy Group. It had 16 moorings and over 200 instruments. Two VACM problems were discovered: chemical deposition in rotor and vane bearings and a rotor drop-out problem caused by a drifting diode. Modifications to eliminate the problems were started.
- 1974 The various modifications of the VACM were continued. POLYMODE Array 1 was set.
- 1975 A program to update the circuitry of the Model 850 clocks to bring them up to standards was started (Valdes, 1977). POLYMODE Array 2, Setting 1 was deployed and recovered and Array 2, Setting 2 was deployed.
- 1976 Two VACMs were modified to add pressure in a multiplexing mode. POLYMODE, Array 2, Setting 2 was recovered and Setting 3 was set. INDEX moorings were deployed in the Indian Ocean and recovered.
- 1977 POLYMODE, Array 2, Setting 3 was recovered. POLYMODE, Array 3, clusters A and B were deployed.
- 1978 POLYMODE, Array 3, clusters A and B were recovered and two site moorings were deployed. JASIN was set and recovered. A 15 month LDE array was deployed.

Table 1 shows the chronological order of the introduction of some of the technological improvements made in instruments and moorings as well as some of the major experiments the Buoy Group has been involved in. Mooring numbers are for the mooring set nearest the end of the year above it.

Events	Calendar Years
	<u>1963,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79</u>
Mooring Numbers	141 - 193 - 261 - 321 - 421 - 522 - 586 - 638 -
Nominal Mooring Duration	[7 days] [- - Two months - -] [6 months] [9-15 mo.
	* Back up recovery system in use.
	* Intermediate moorings
	* First 1 year mooring
	* use of MIT T/Ps
Current Meters, Film	[Film Recording]
Model 850	[- - - Magnetic tape recording - - -
VACM	[- - Vector Averaging - - -
	* 850 Temperature mod.
	* VACM DT mod. and
	* pressure.
Clocks	[Mechanical clocks -]
	[- - Crystal Clocks - - - - -]
Major Experiments	
Long term site D	.+++++-----
Along 70° W.	+++++-----
Gulf Stream	++ +++ + ++
MODE, POLYMODE	+++++-----
IWEX	+
INDEX	+
JASIN	+
SCOR WG 21	+ + +
Local Dynamics Ex.	+++++
Calendar Years	<u>1963,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79</u>

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SECTION A CHARTS AND GRAPHS

The charts and graphs in this section show the position, duration and 3 digit mooring number of each mooring set in the Atlantic in that year. Use the following legend for the calendar year displays:

Mooring numbers

038 Surface Mooring

159 Subsurface, Intermediate or Bottom Mooring

Depths of Instruments (meters)

1234 Depth of current meter

1234 Depth of non current meter instrument

" 1234 Digitizer depth

*

1234 Lost instrument

A dashed line means lost or adrift

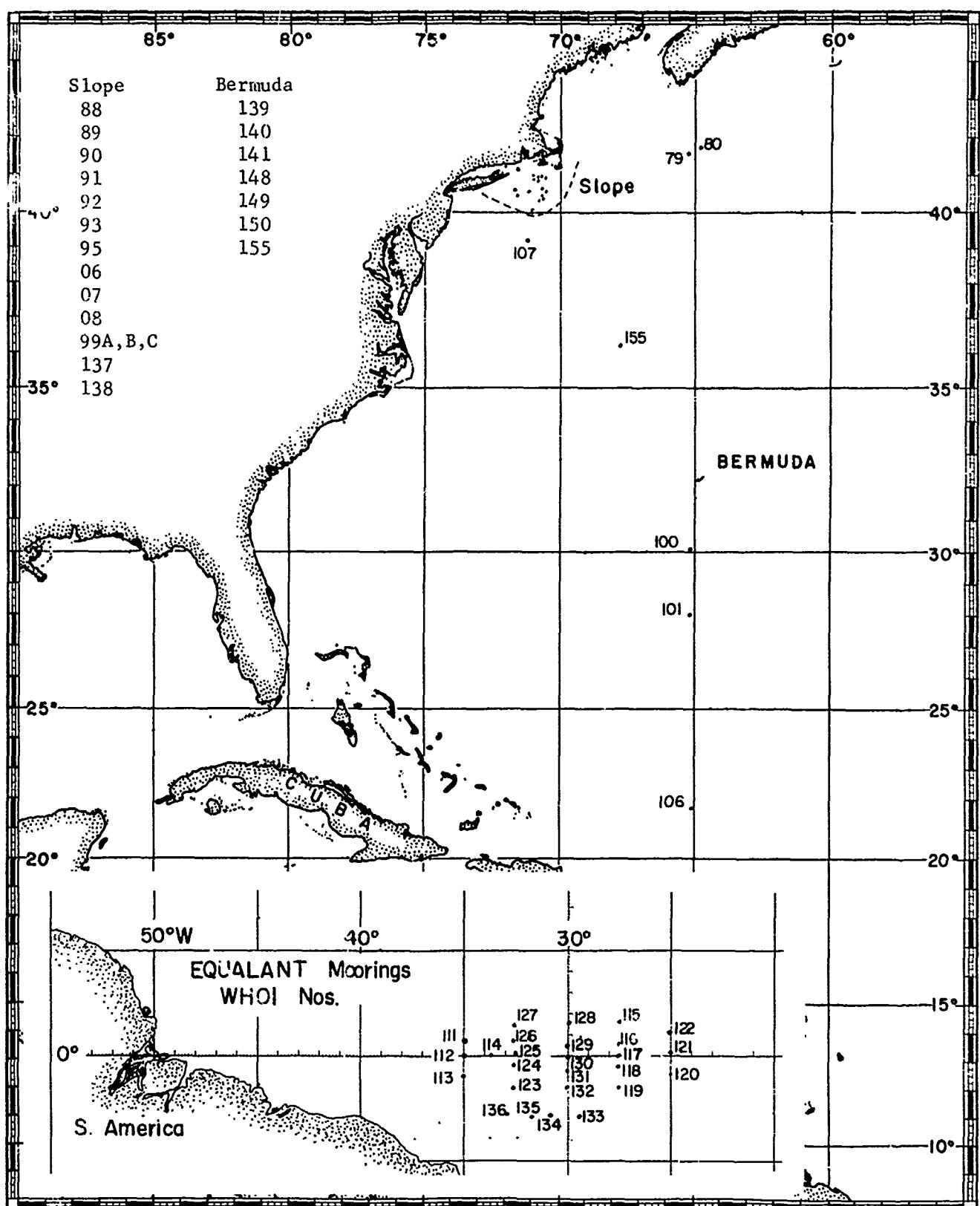
R. A. means recovered adrift

Note that data from moorings before 107 were of very poor quality and were not archived.

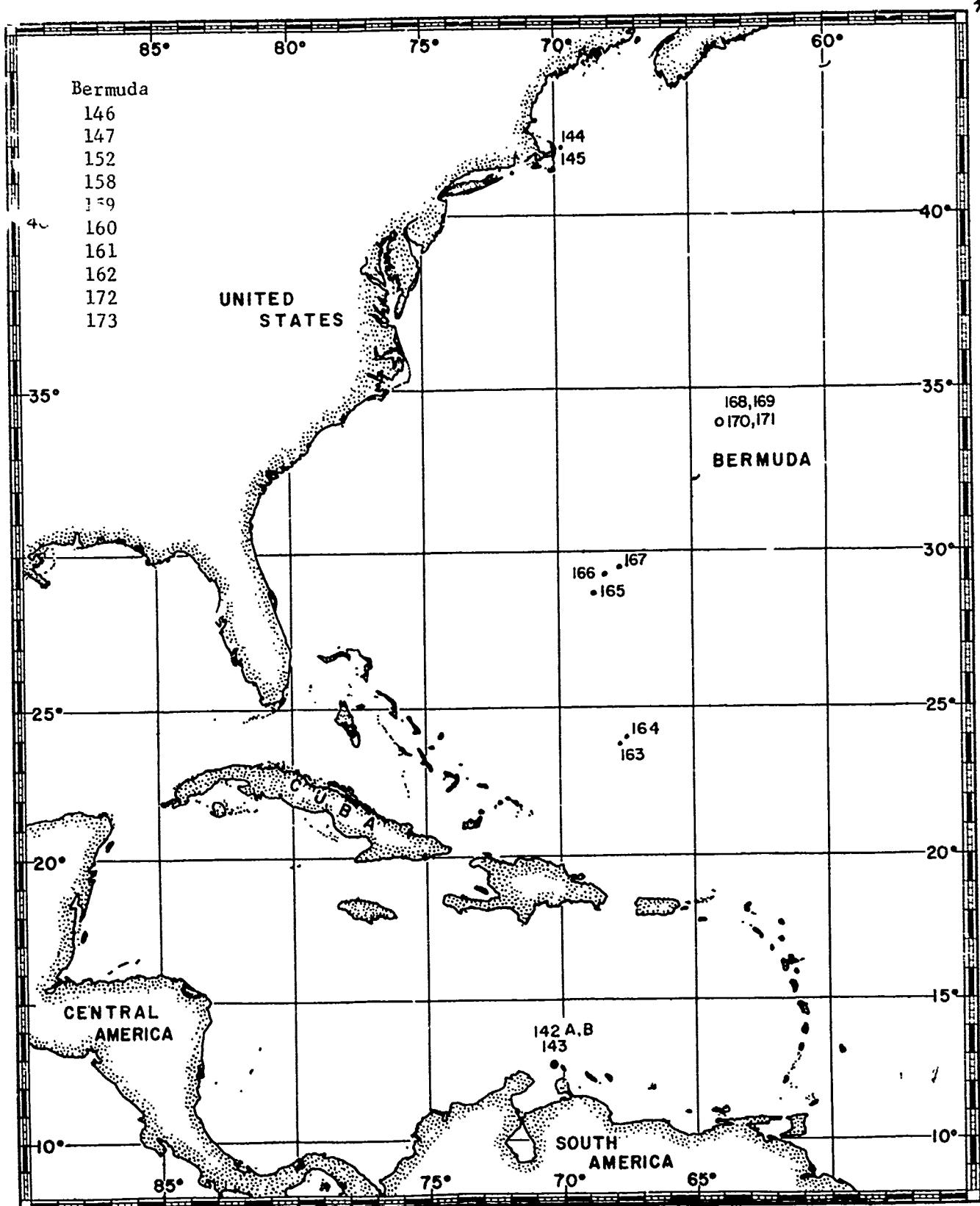
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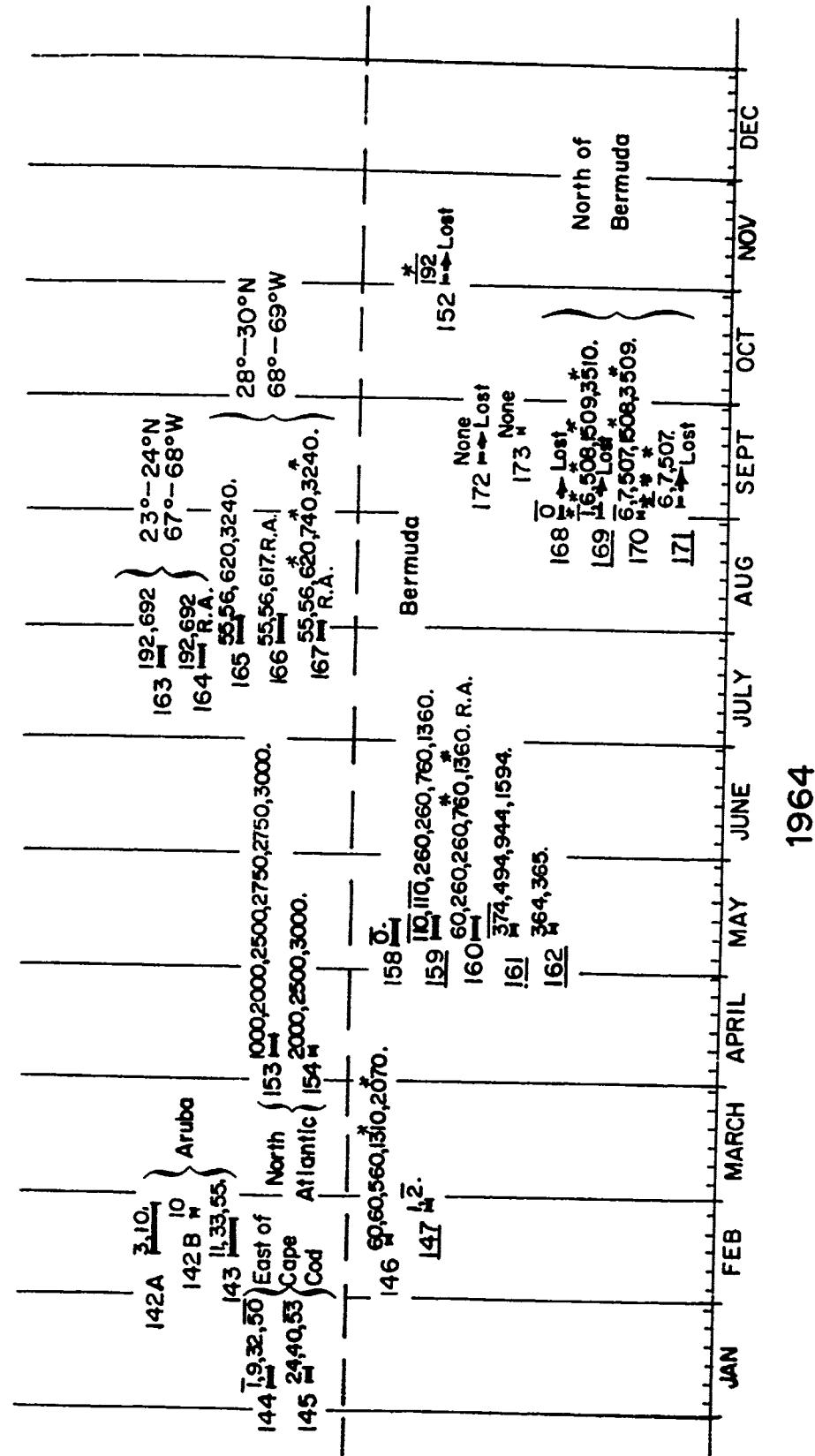
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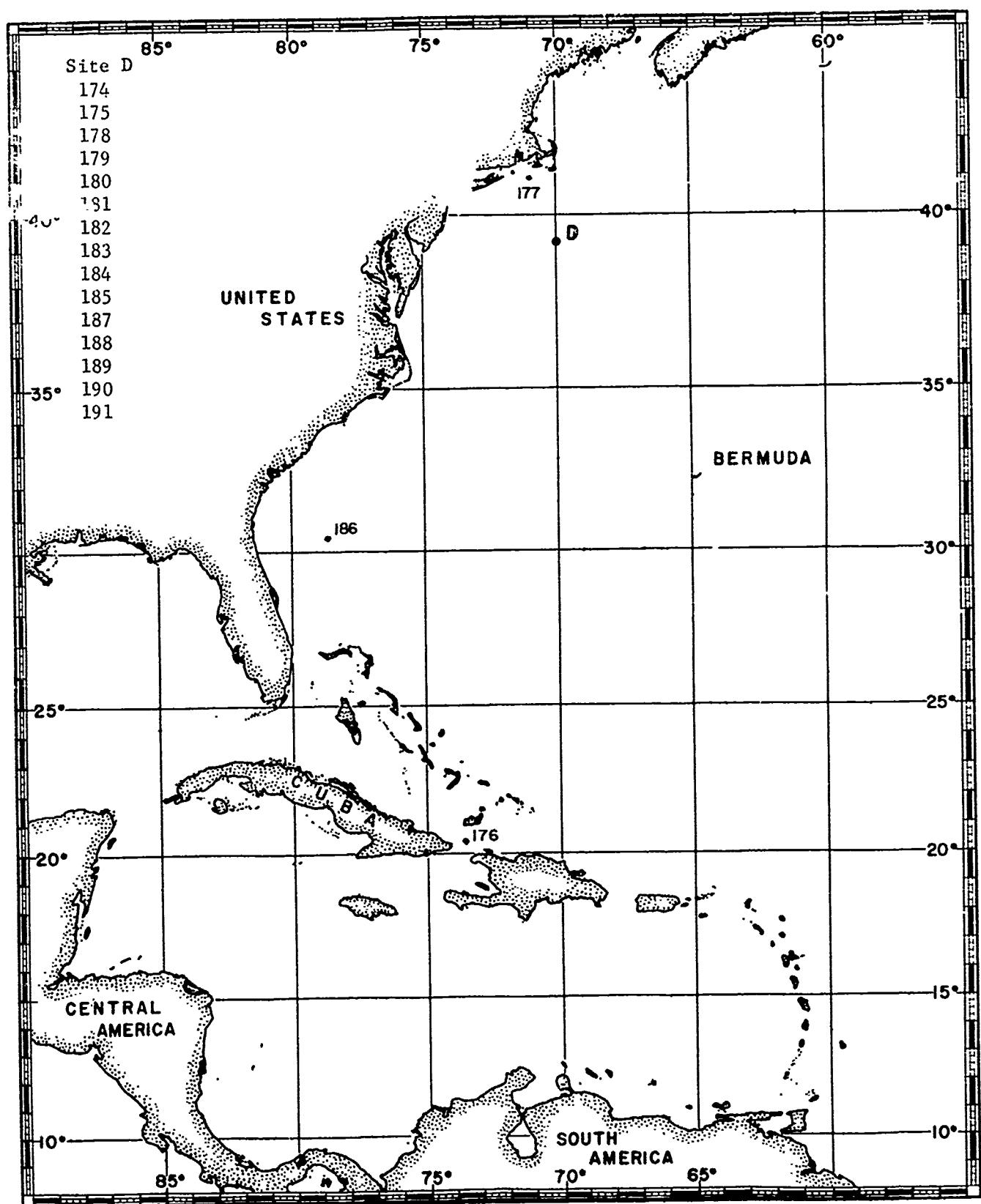


1963

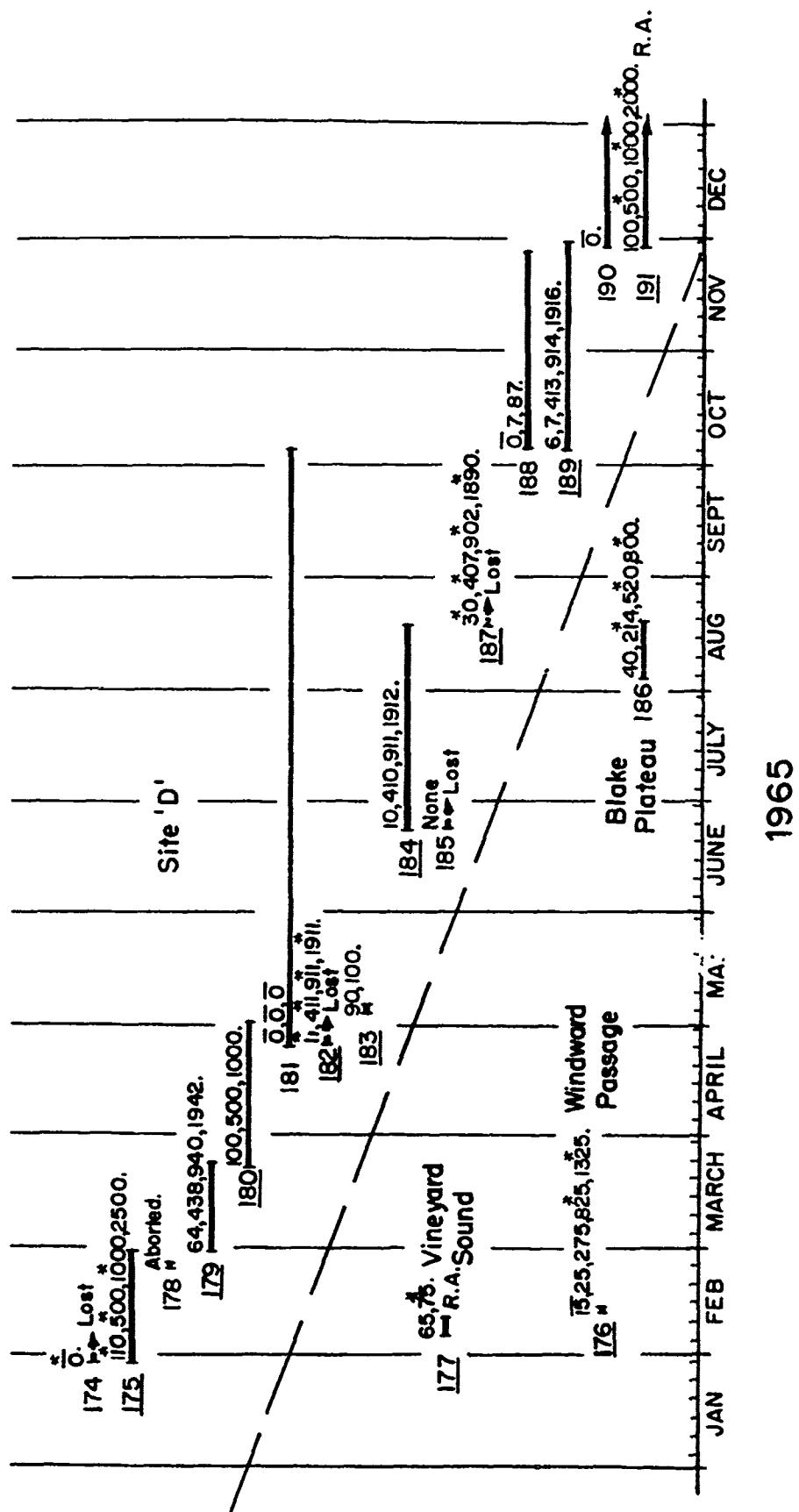
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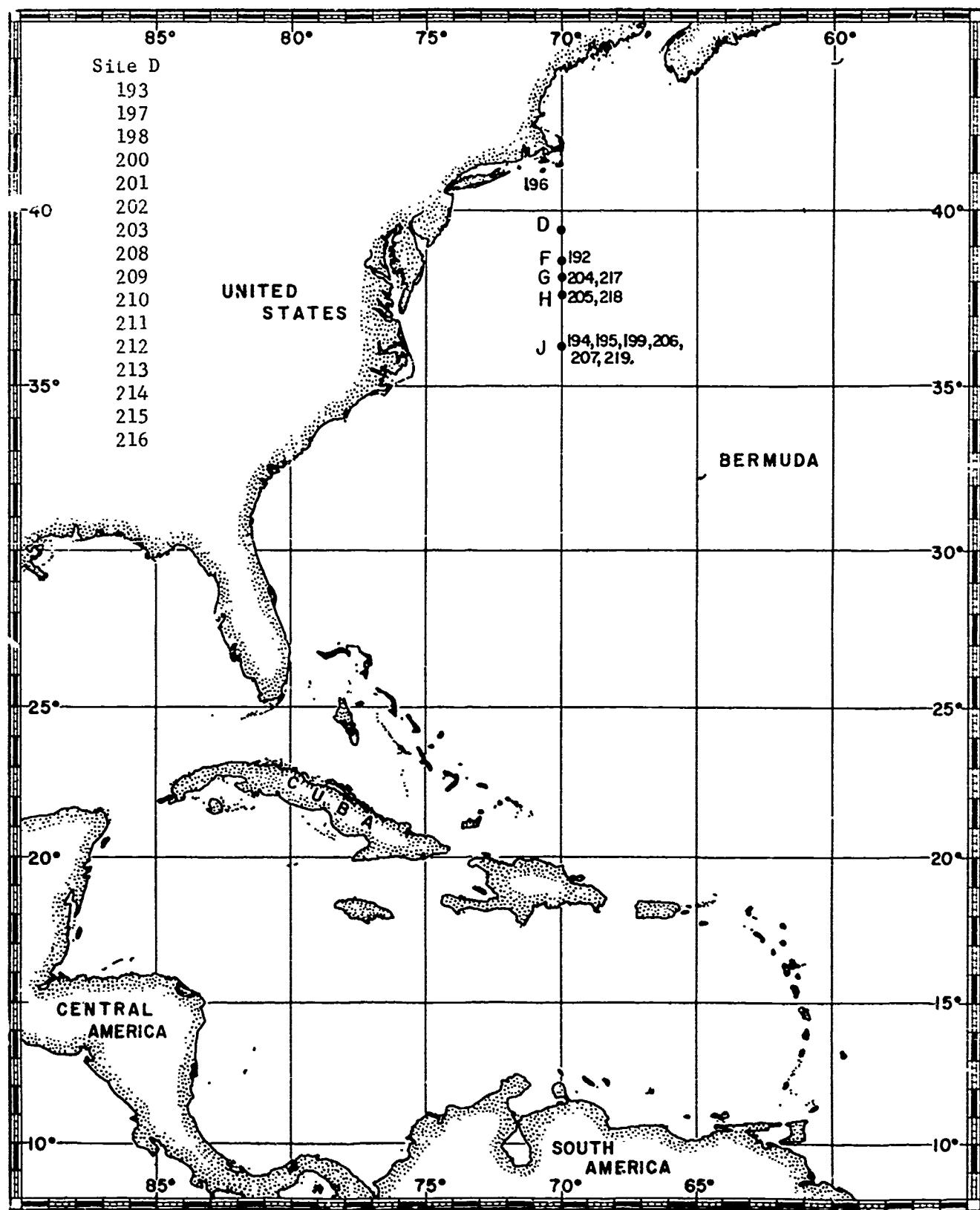
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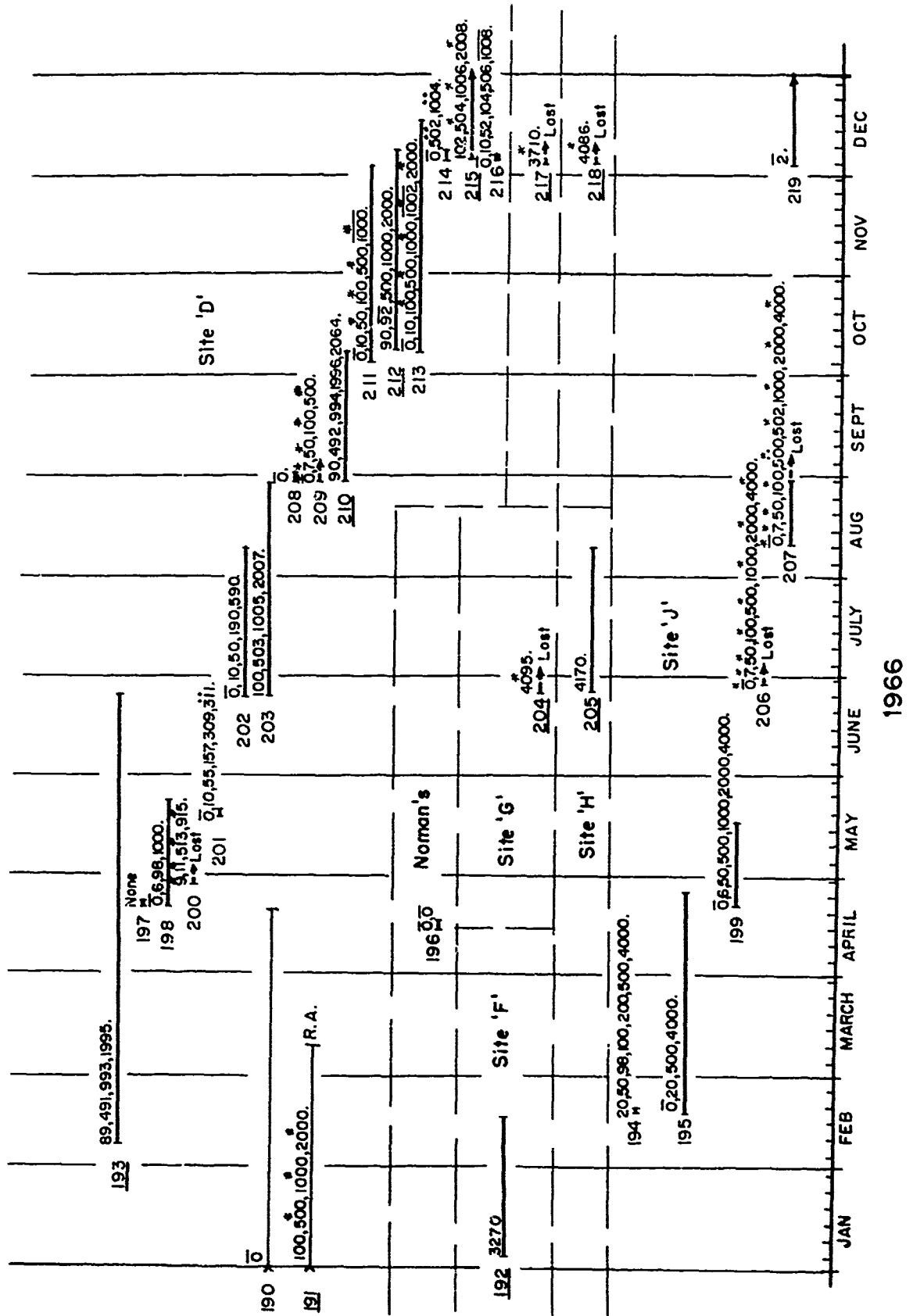


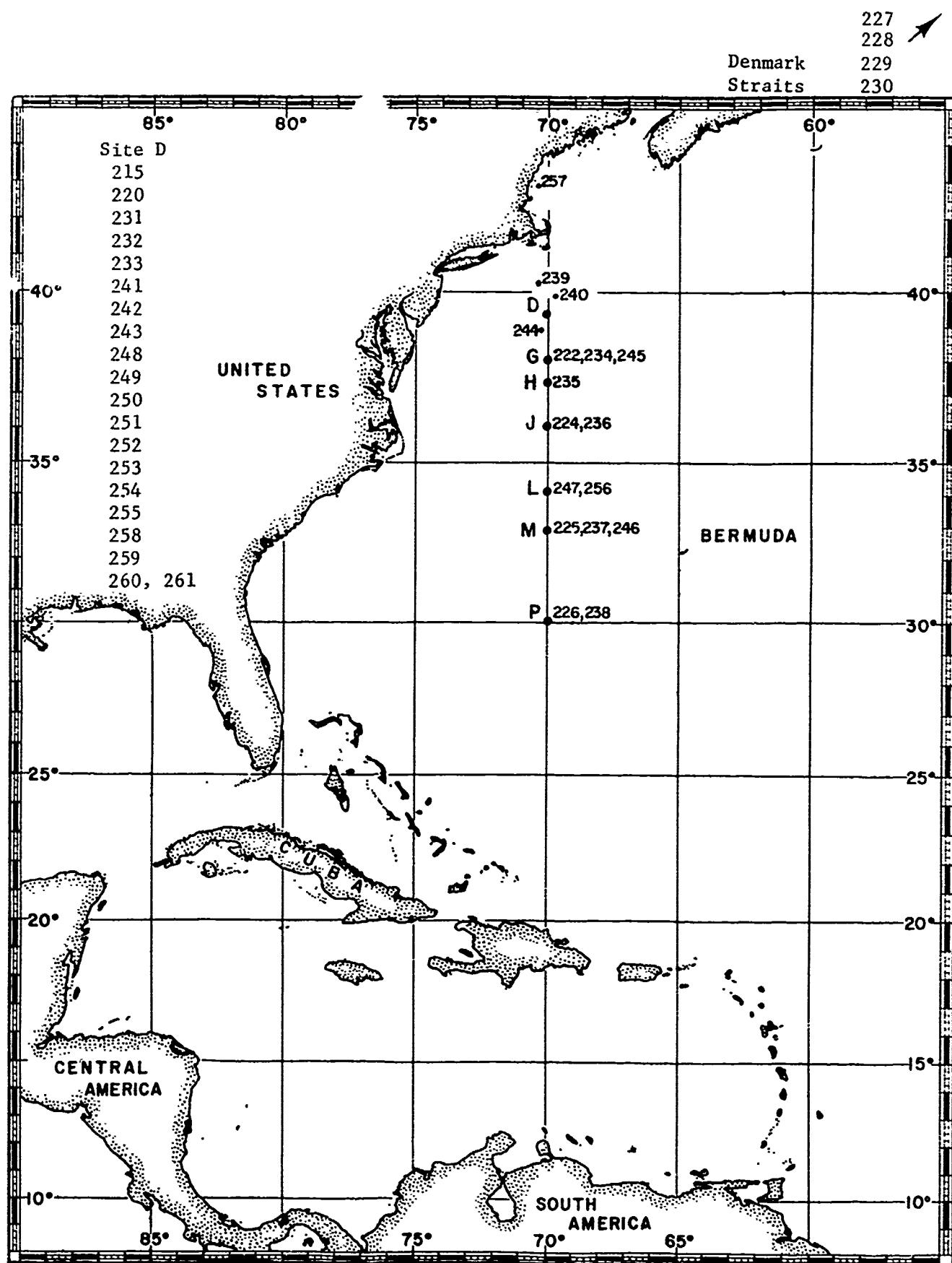
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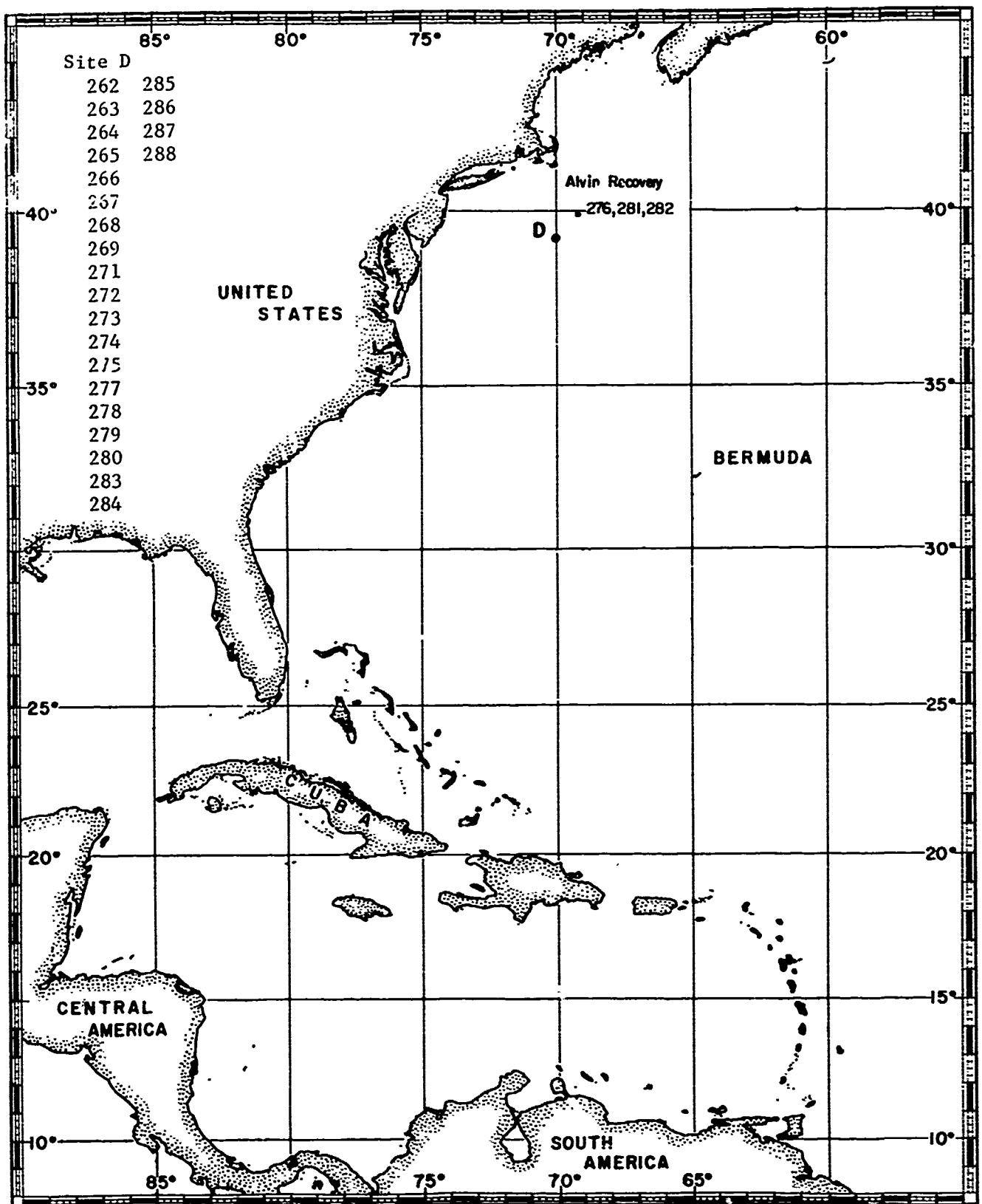




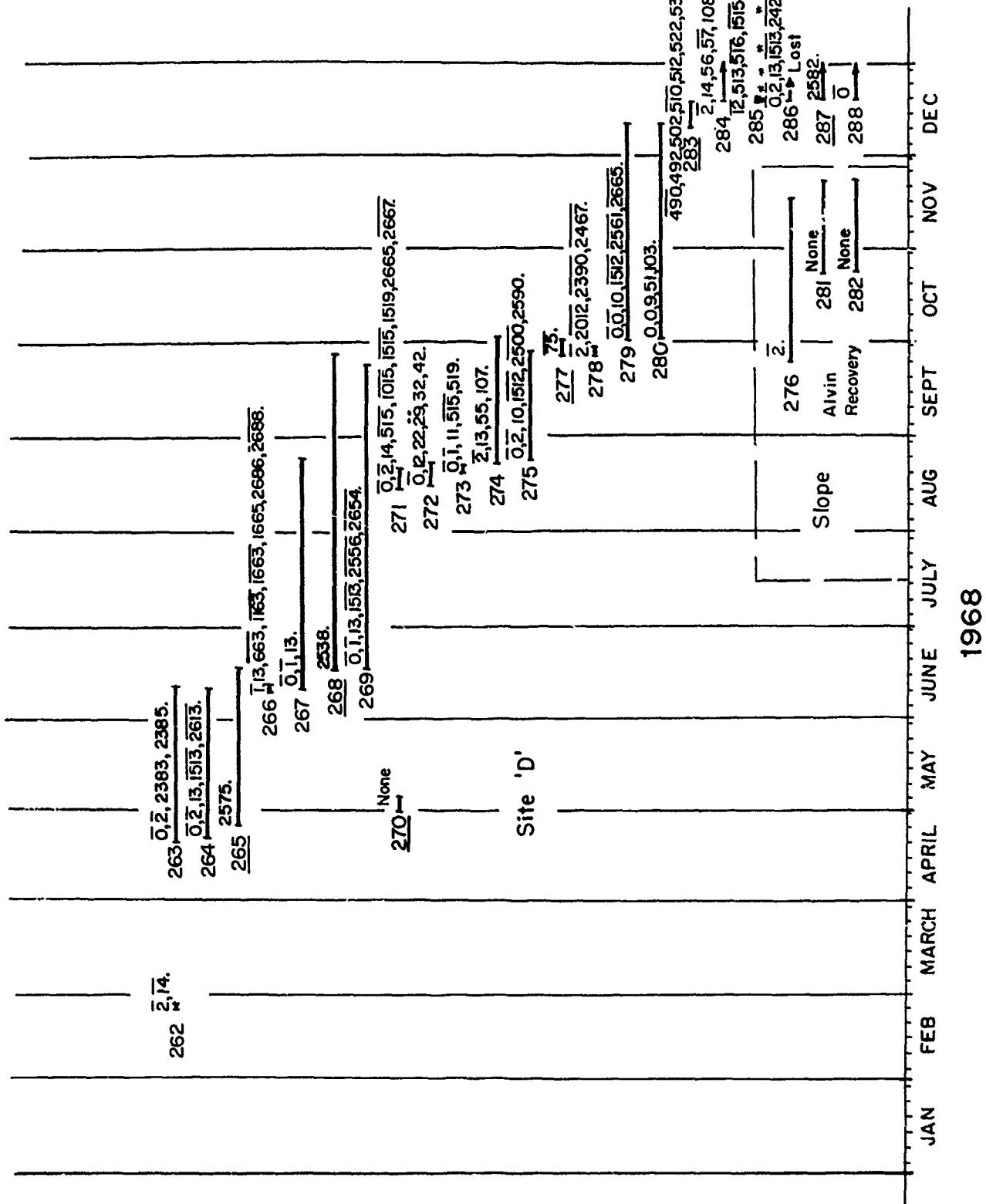
1967

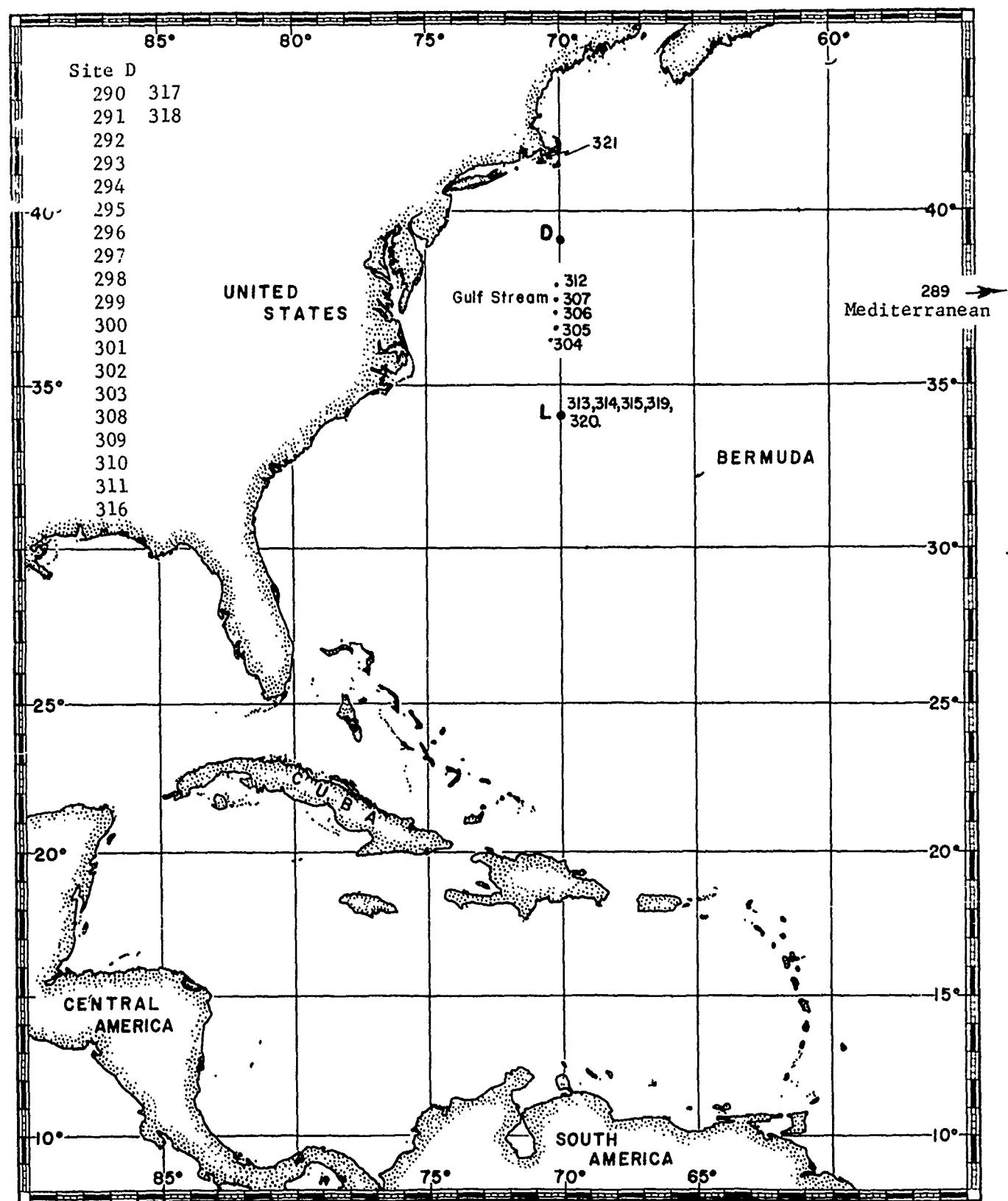
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229	408, 609, 511, 563, 615, 676, 643, 676.													
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1967

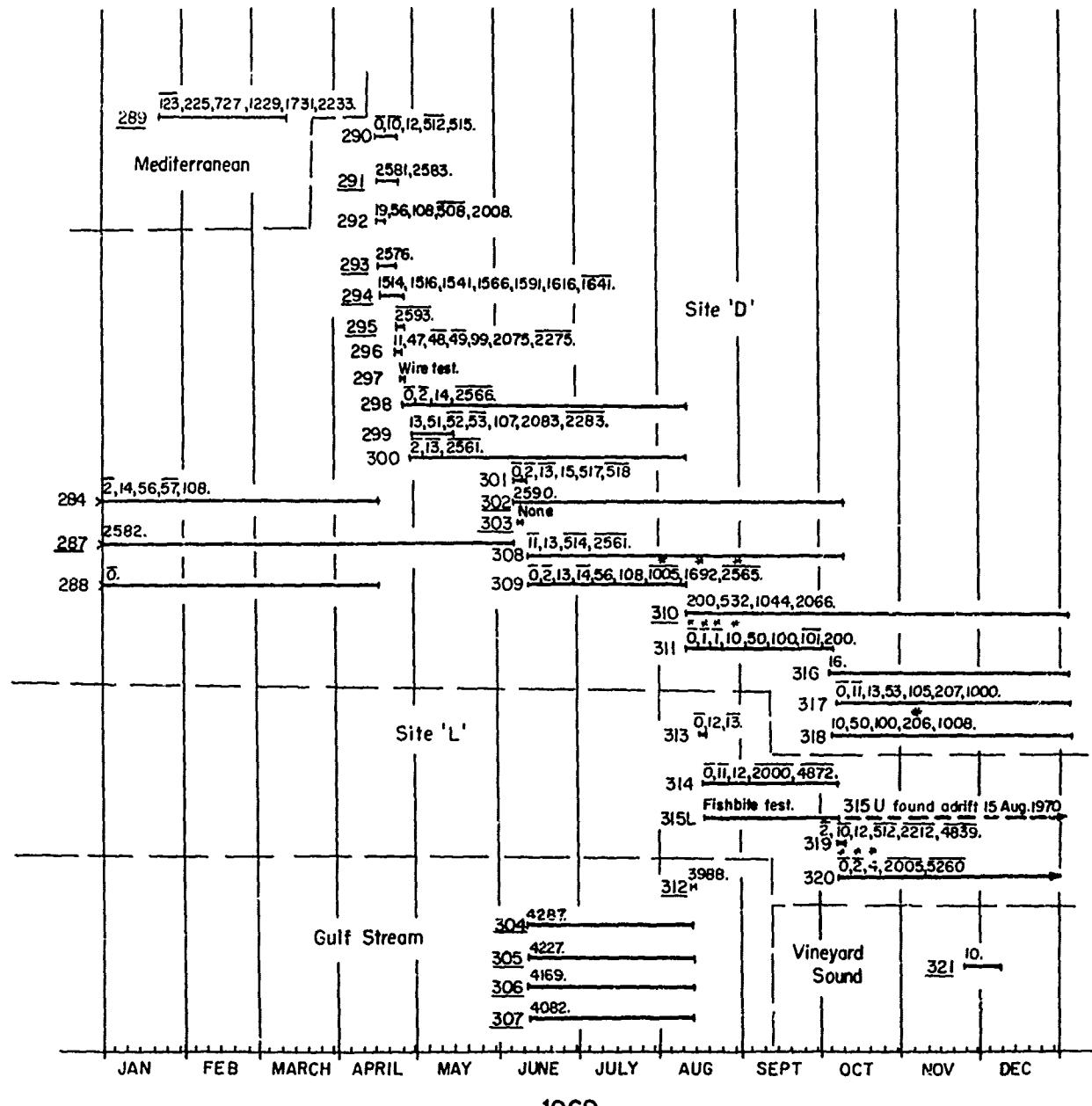


1968

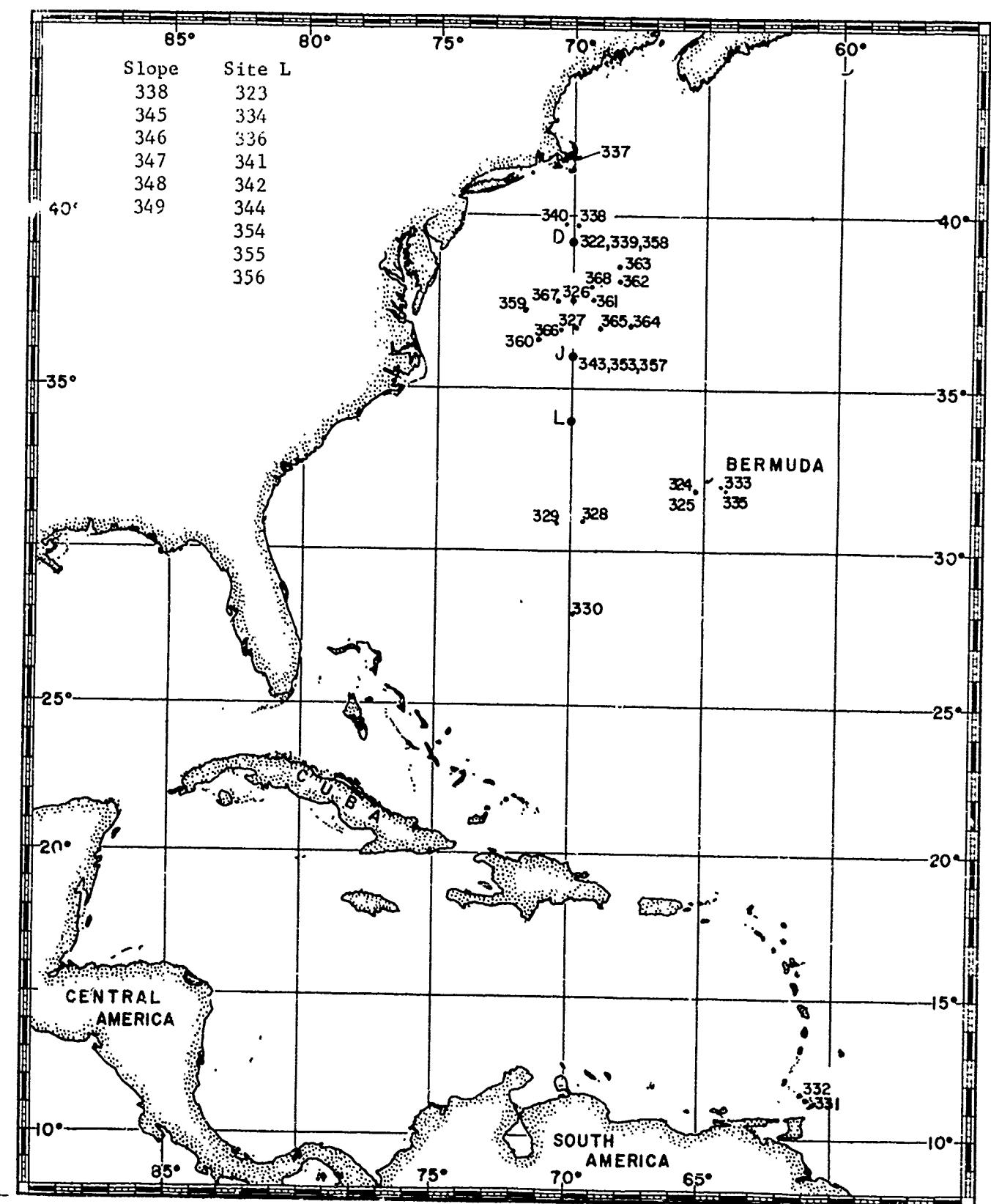


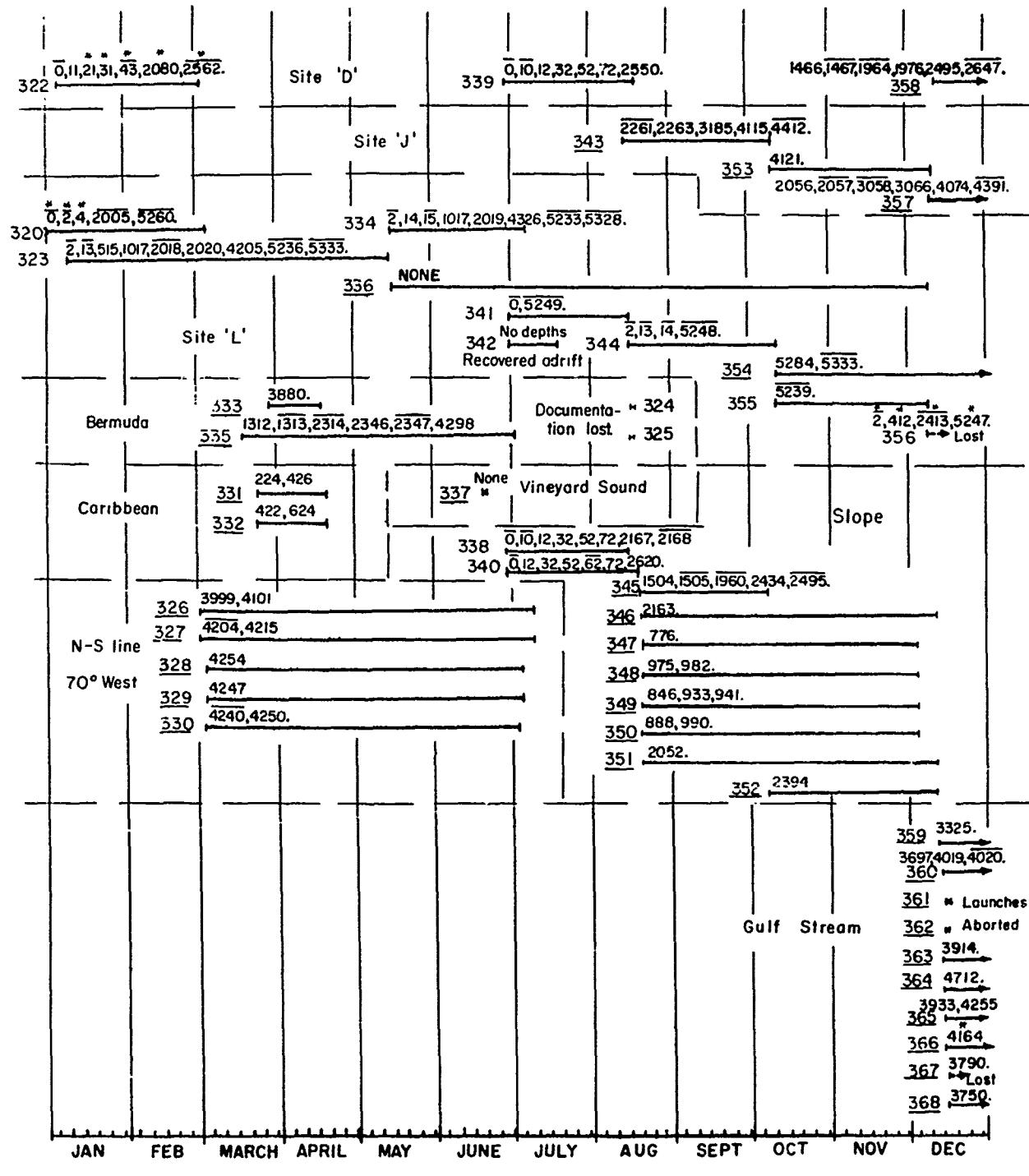


1969

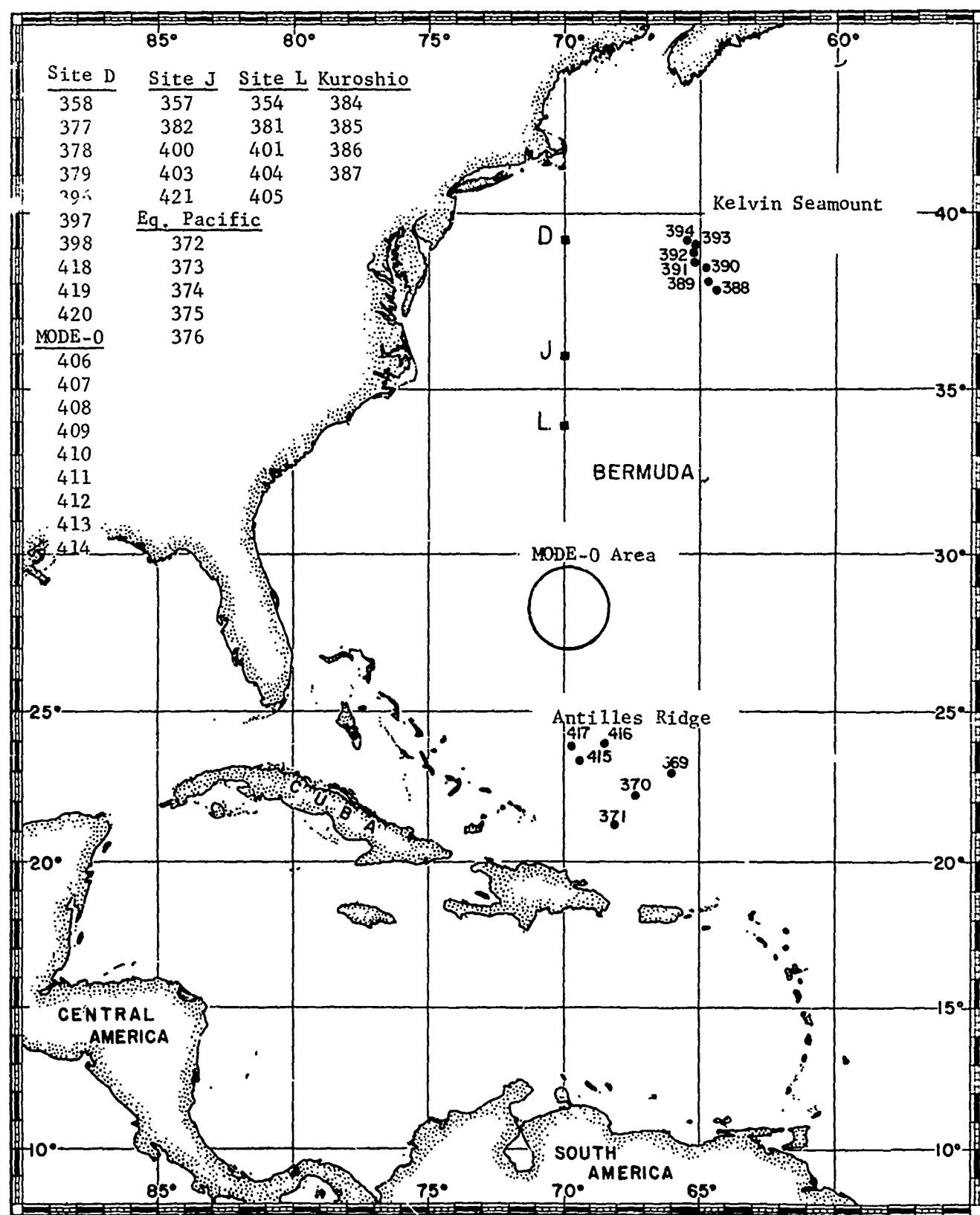


1969

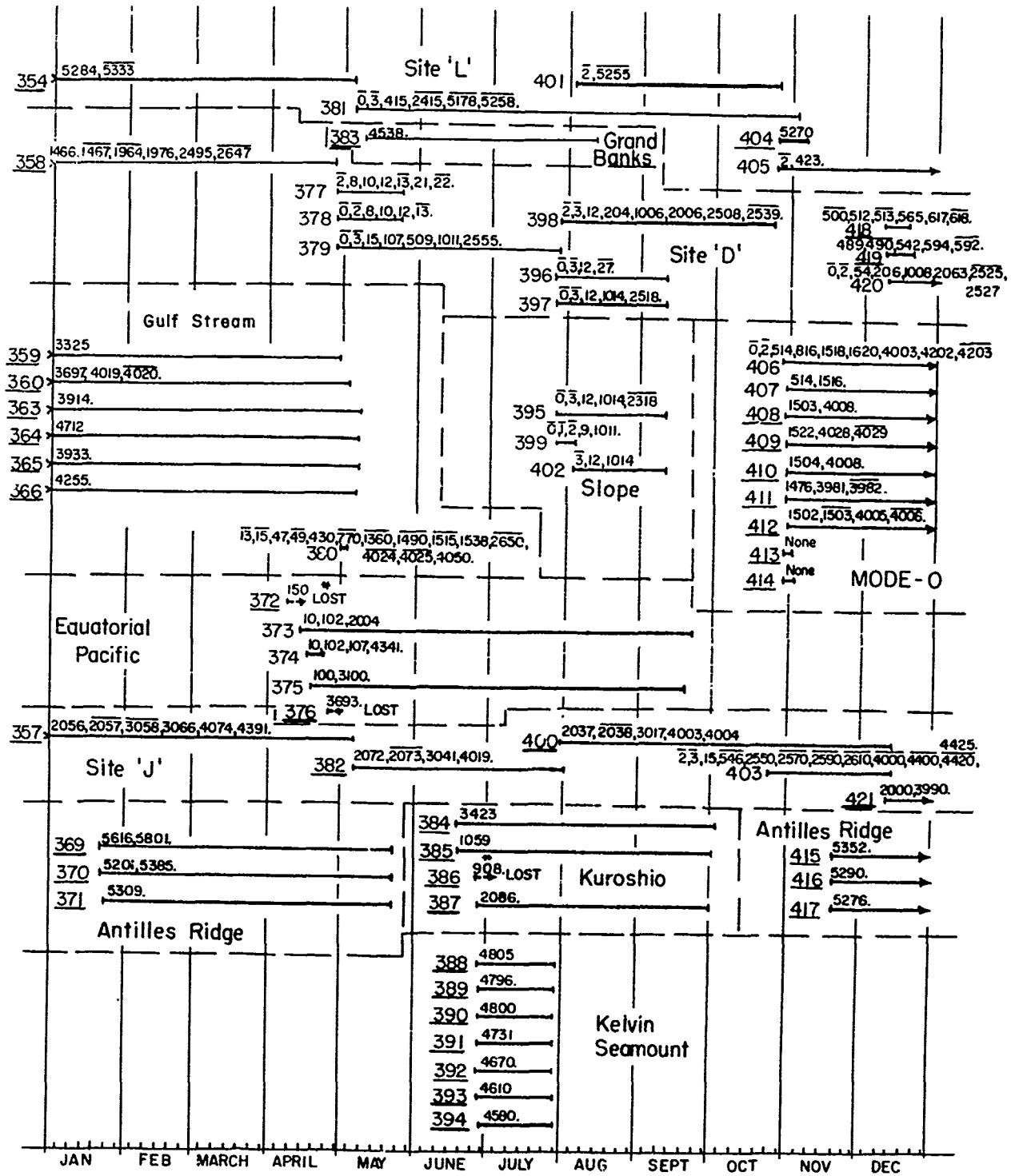




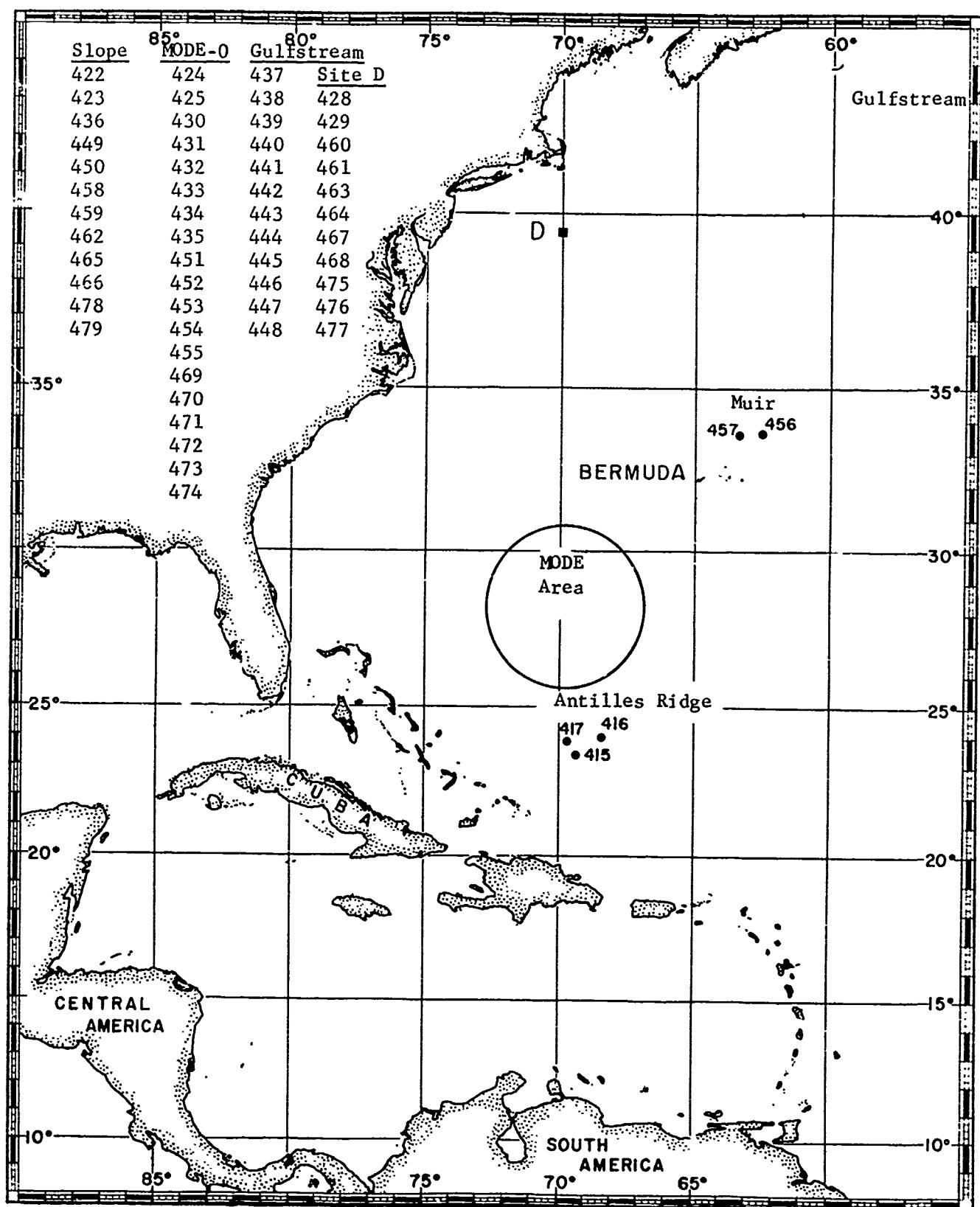
1970



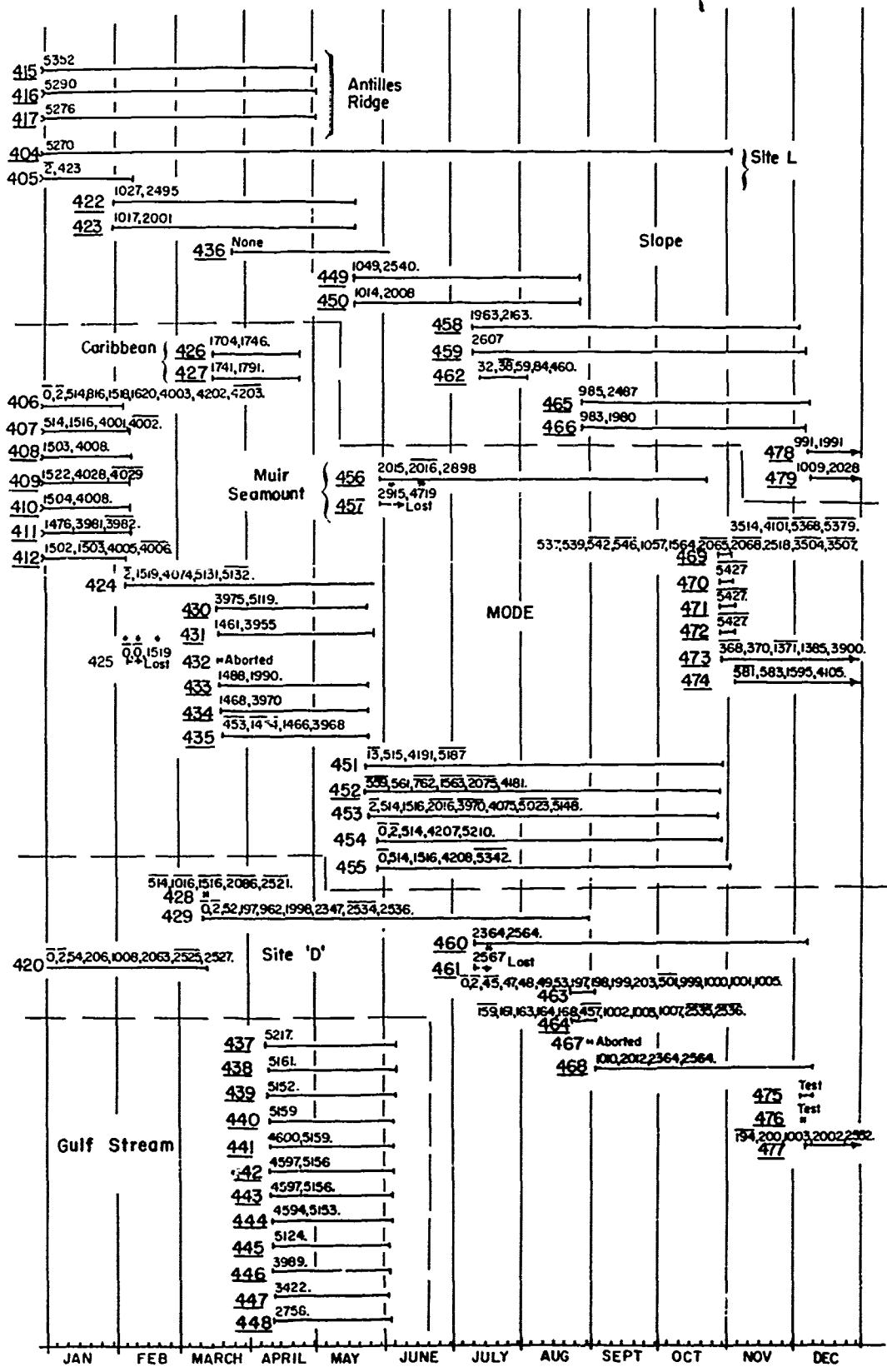
1971



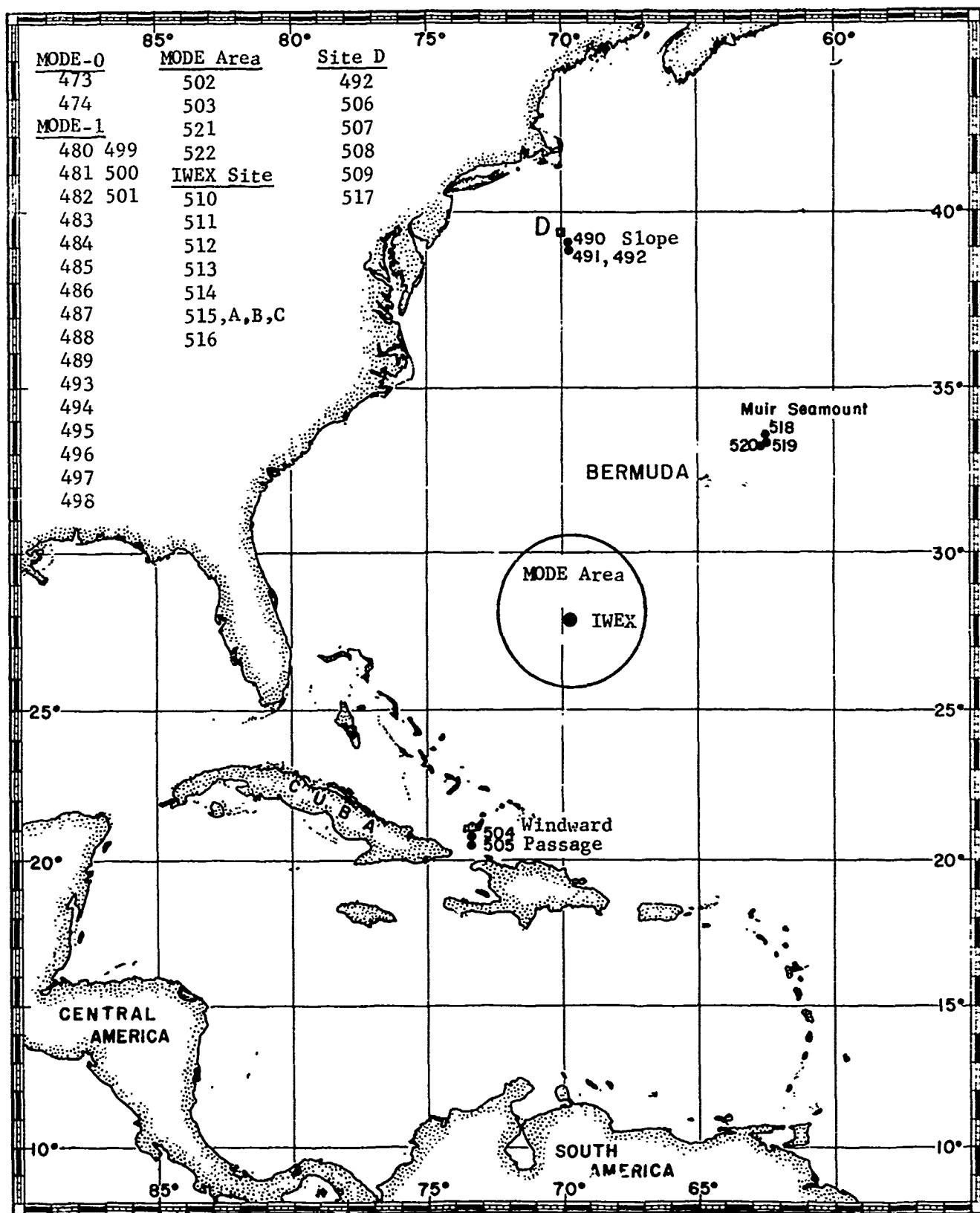
1971



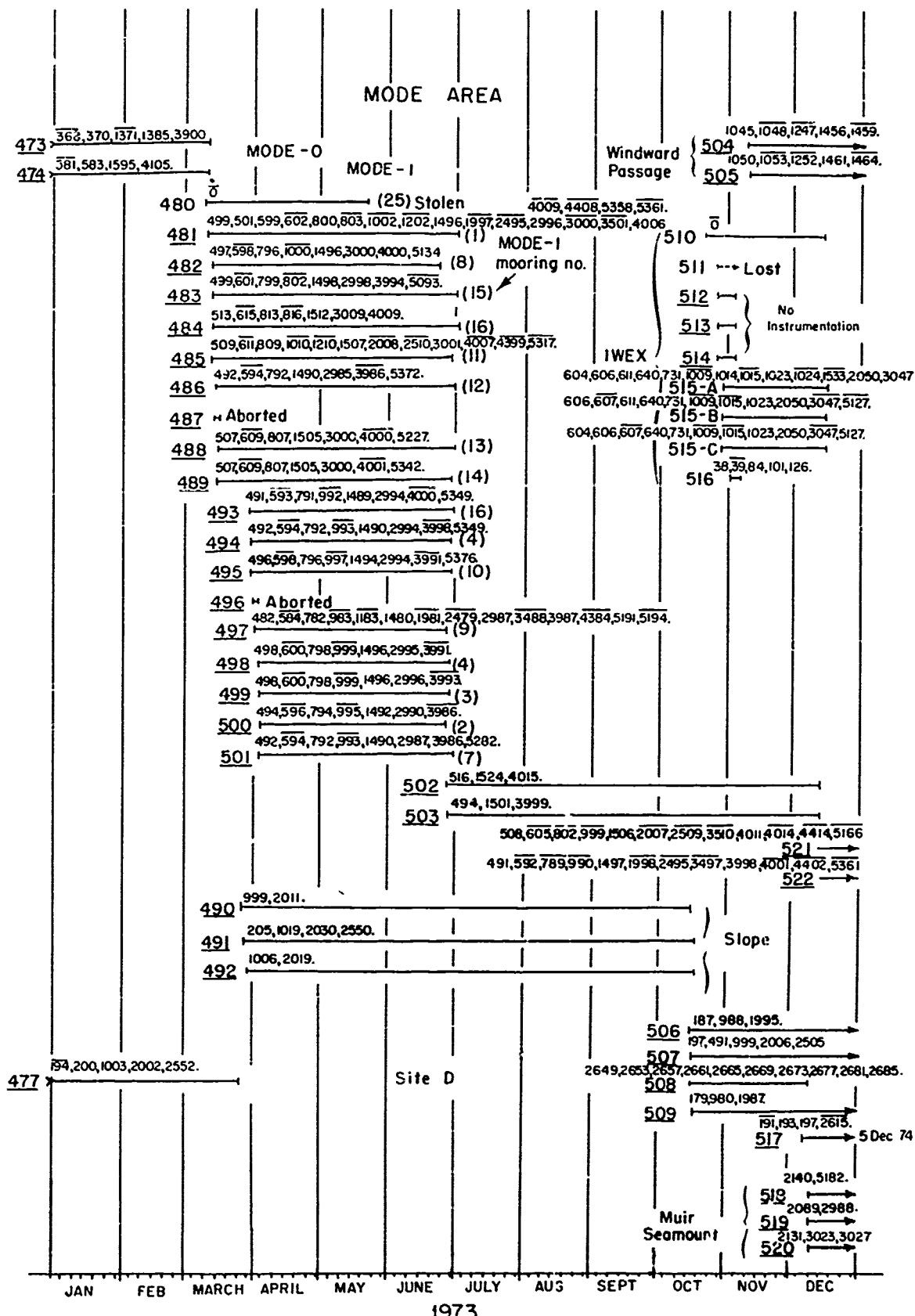
1972

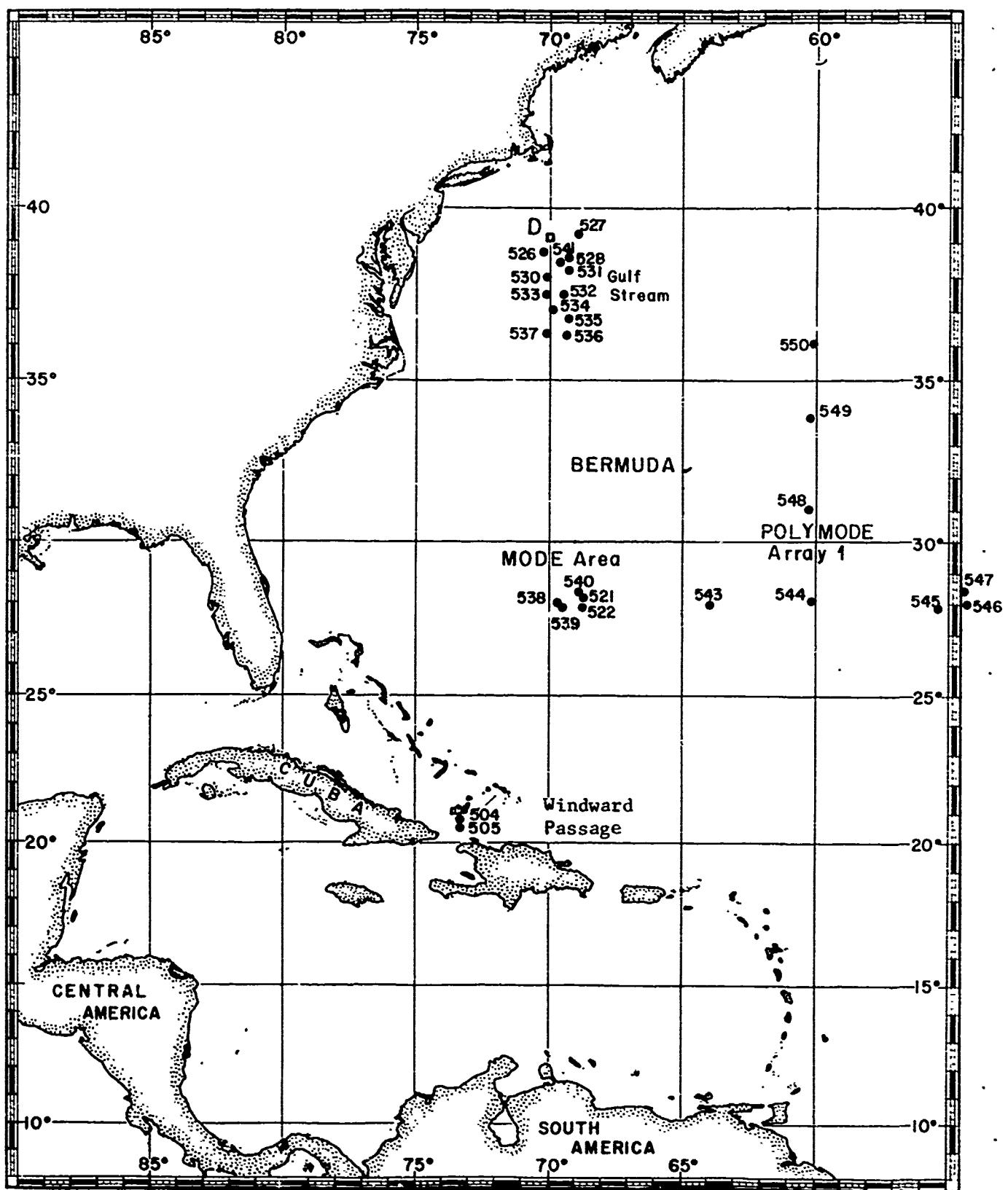


1972

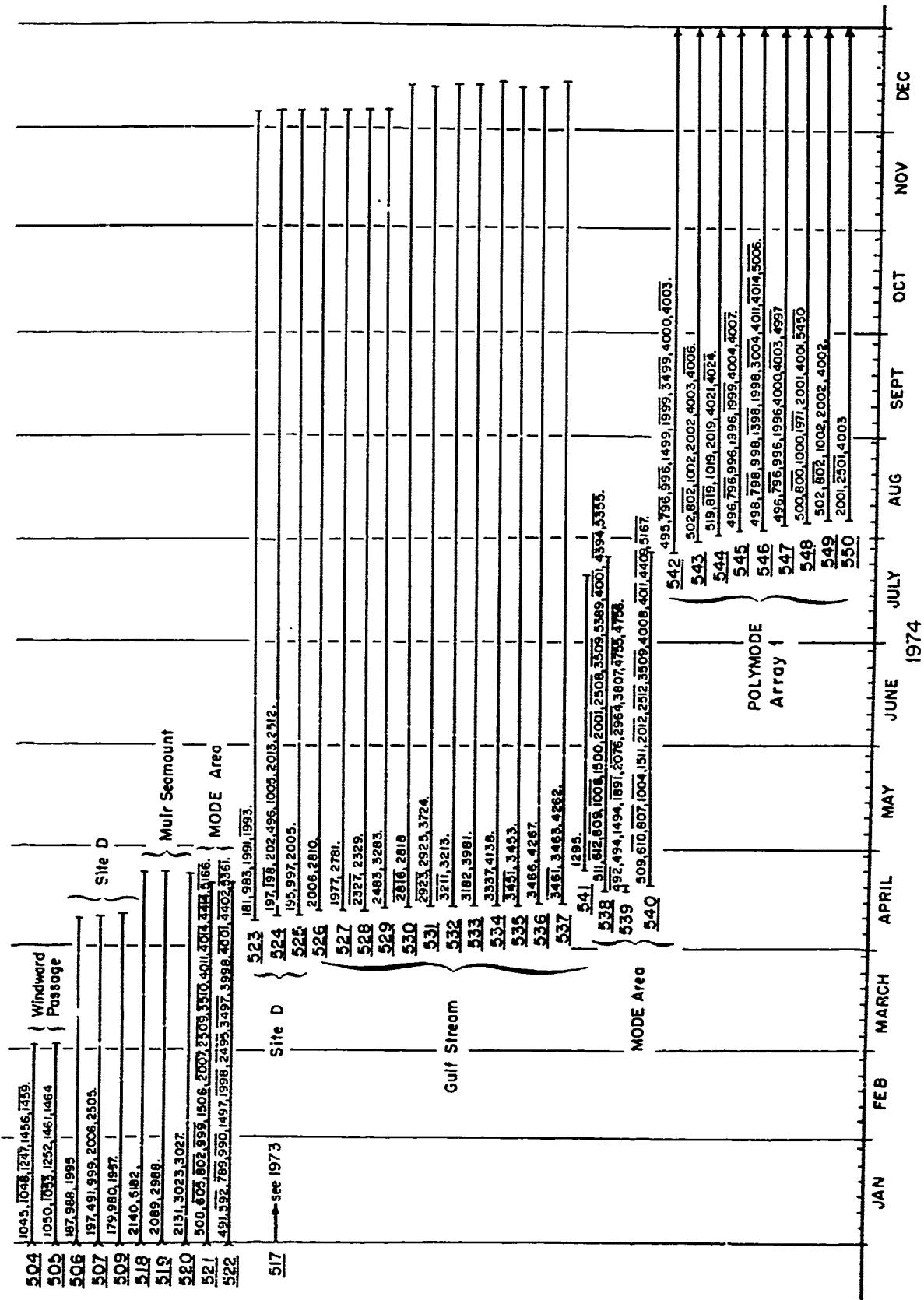


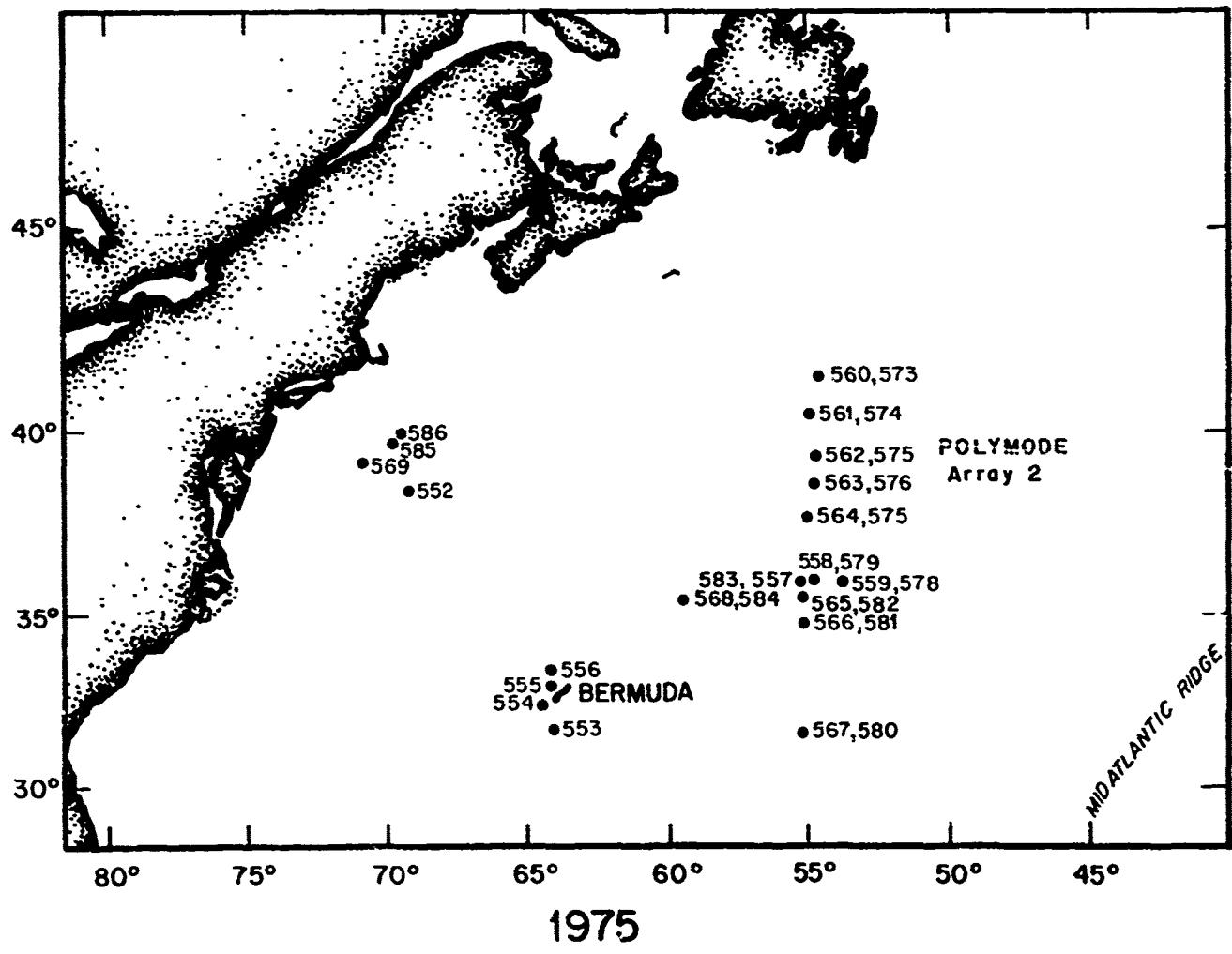
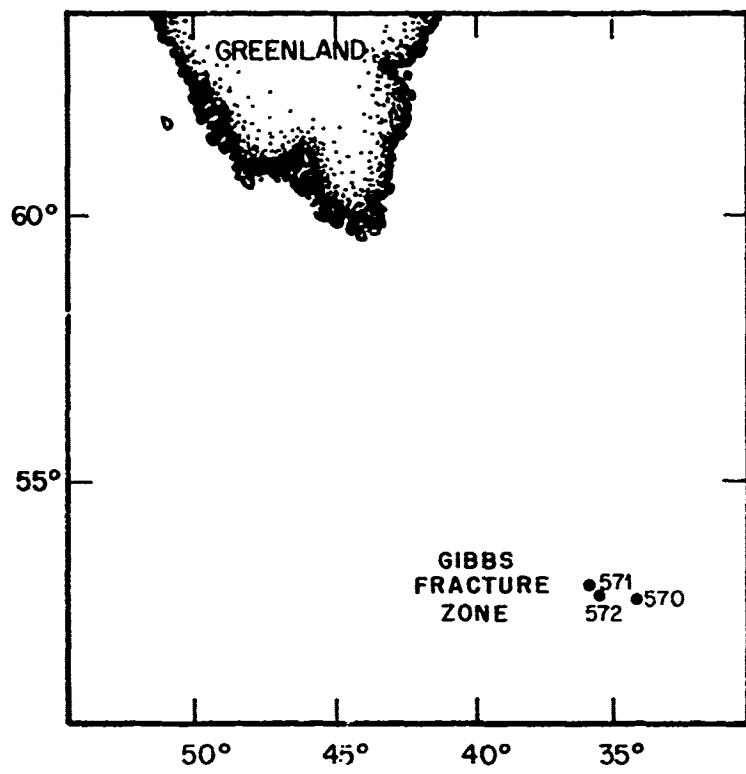
1973

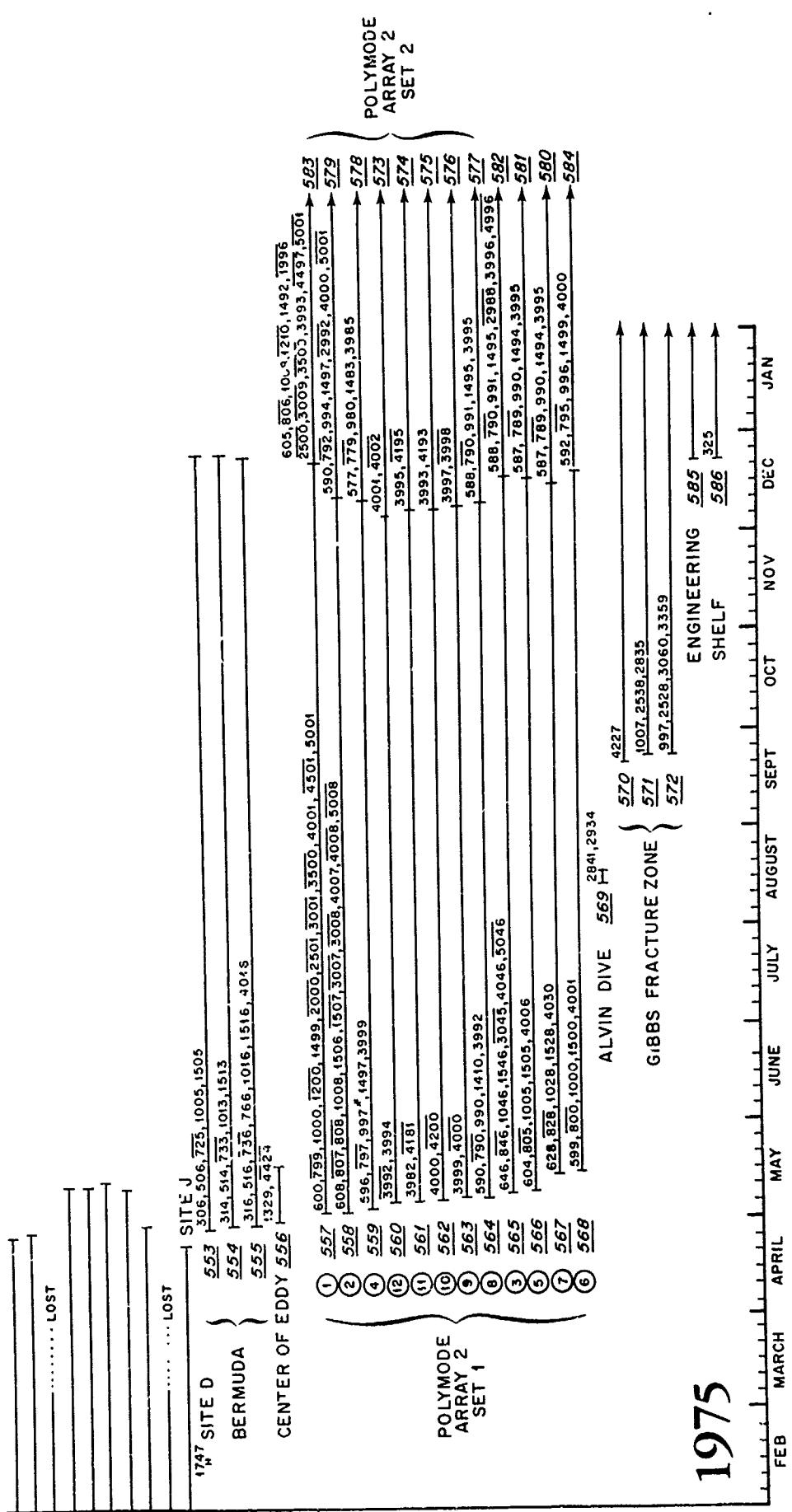


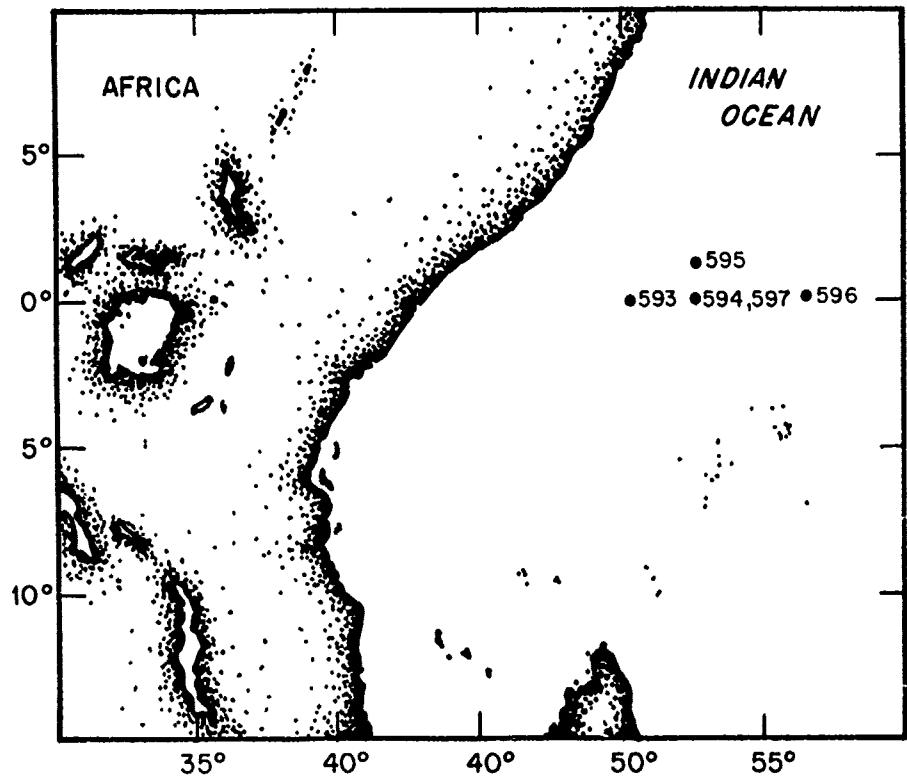
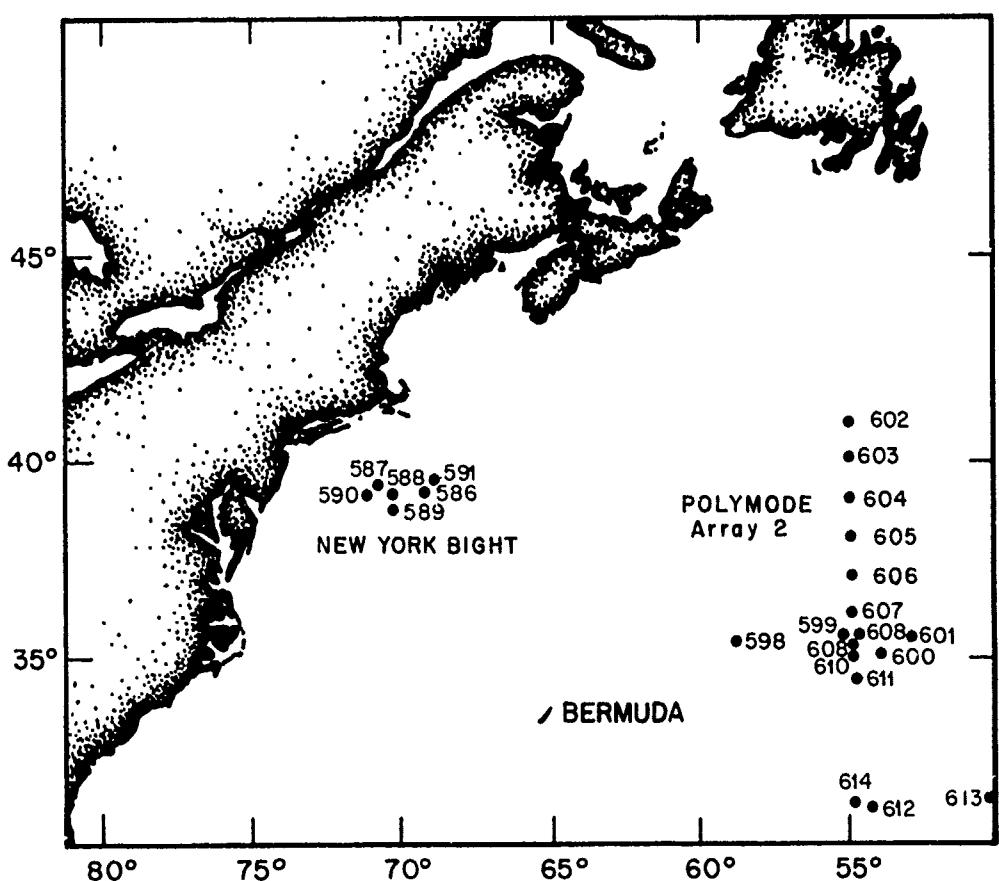


1974



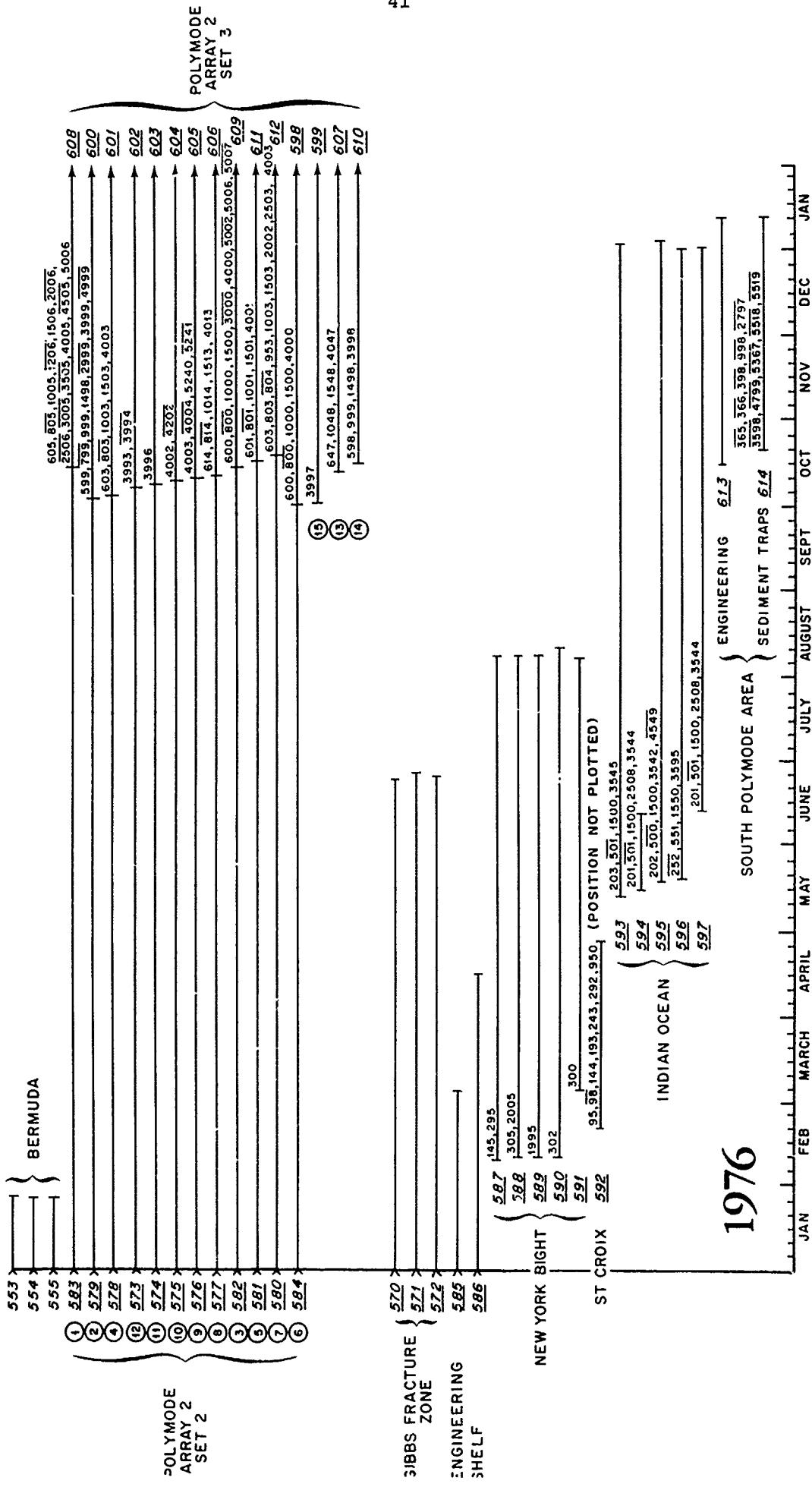


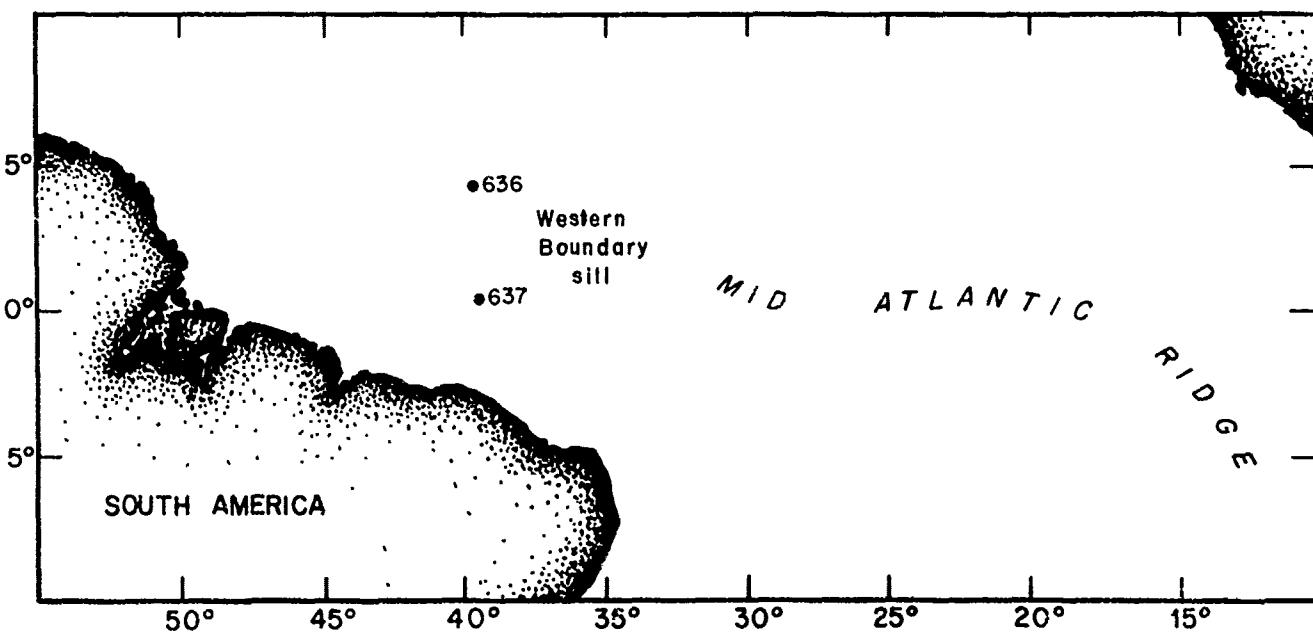
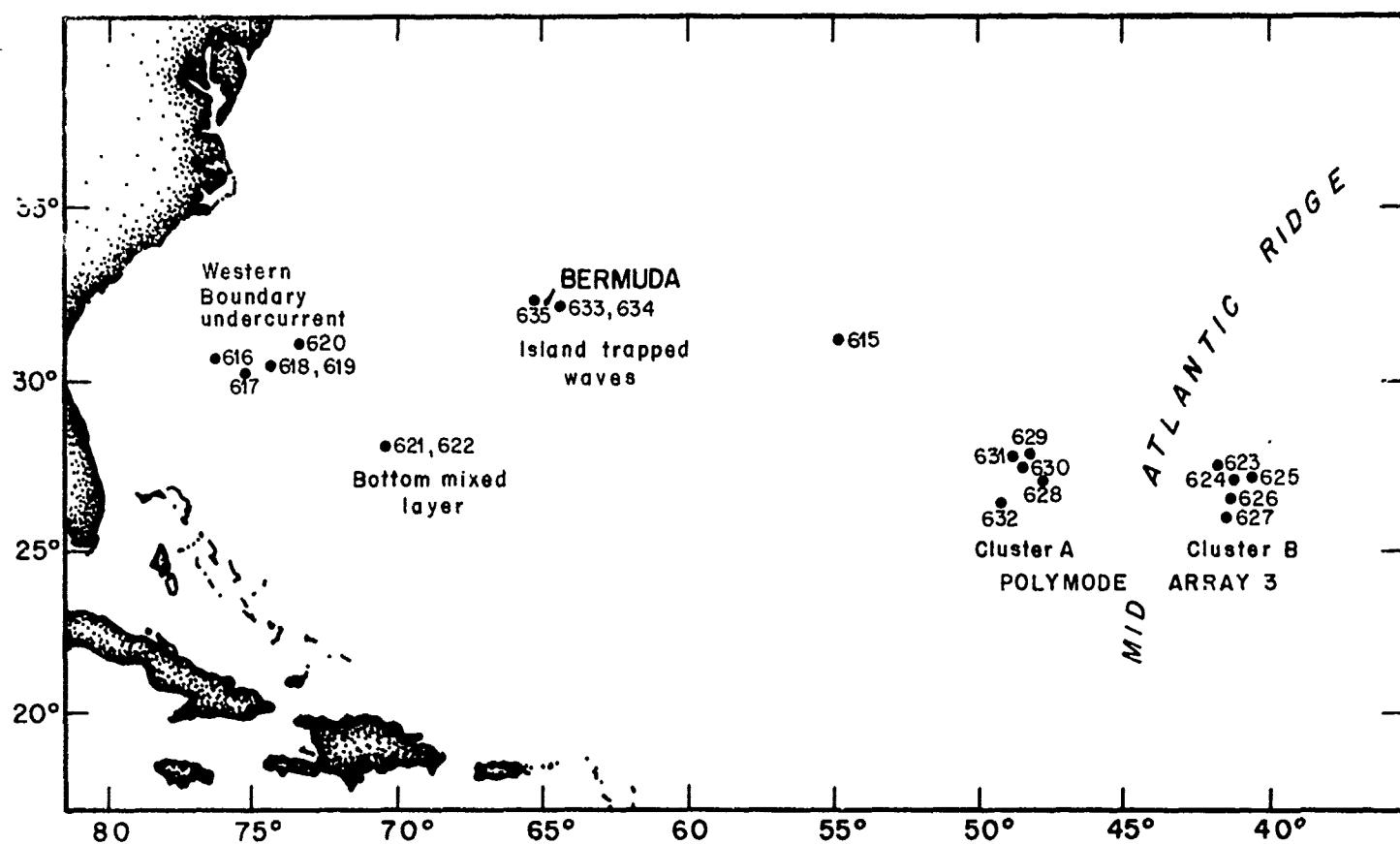




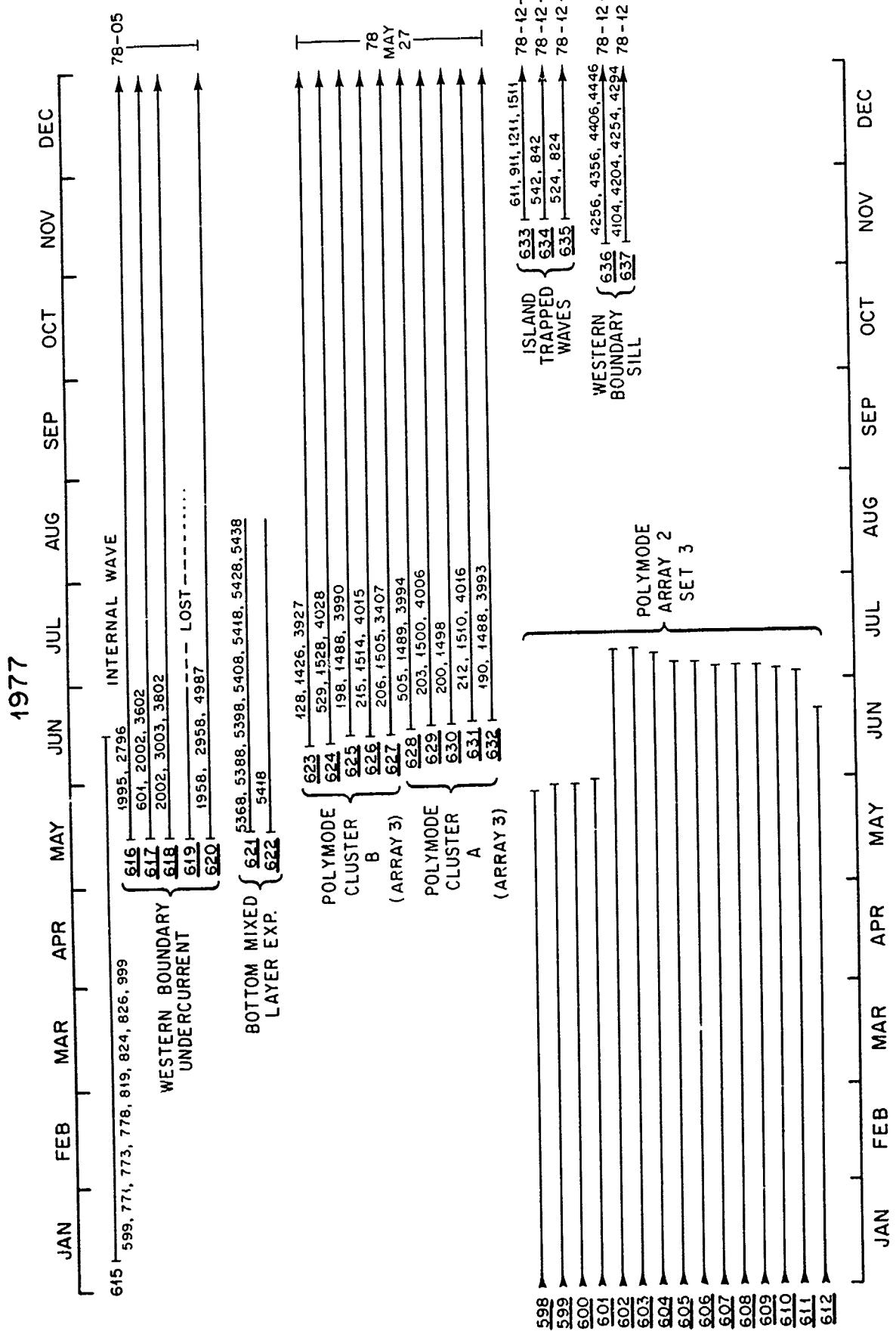
1976

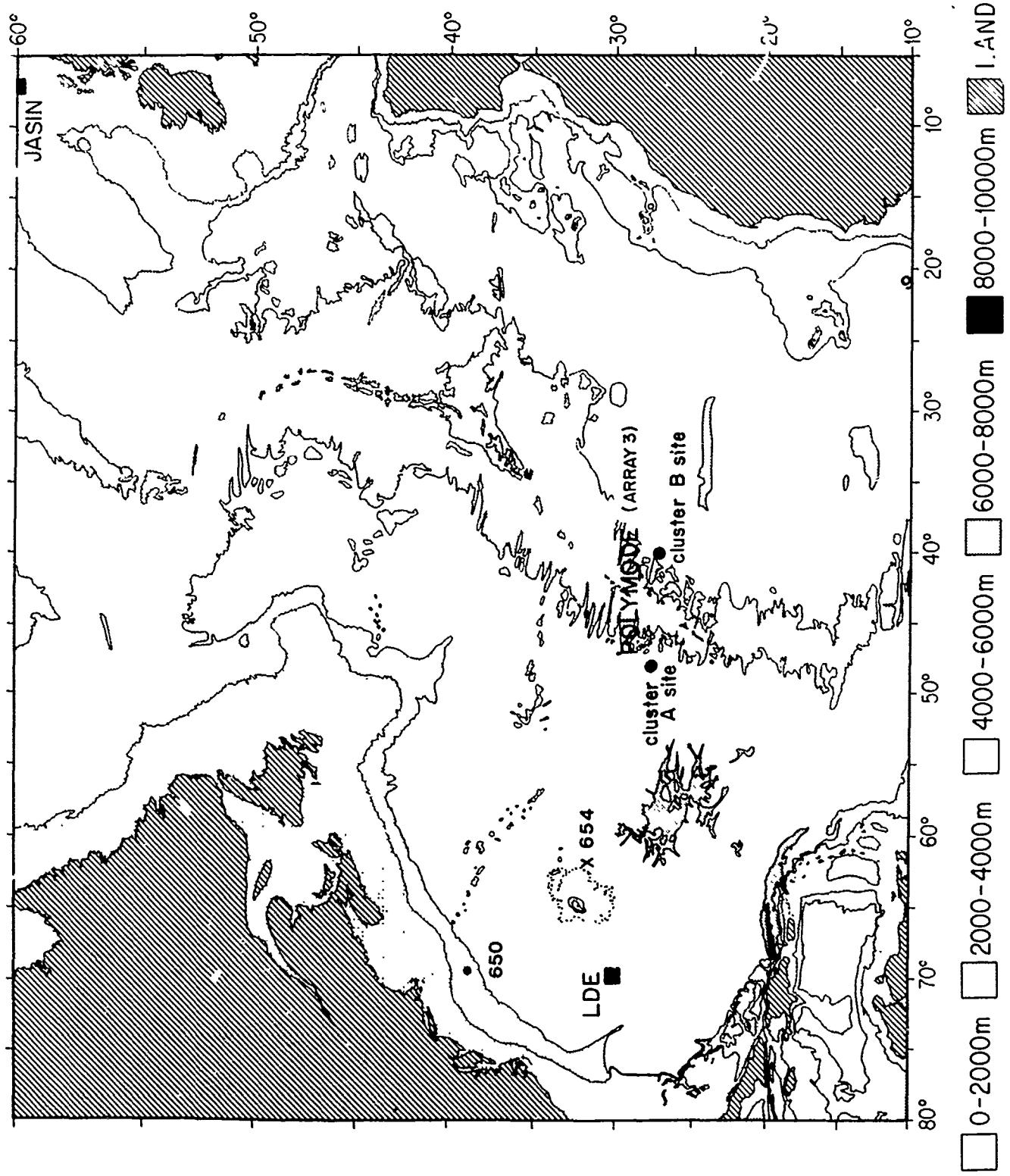
41



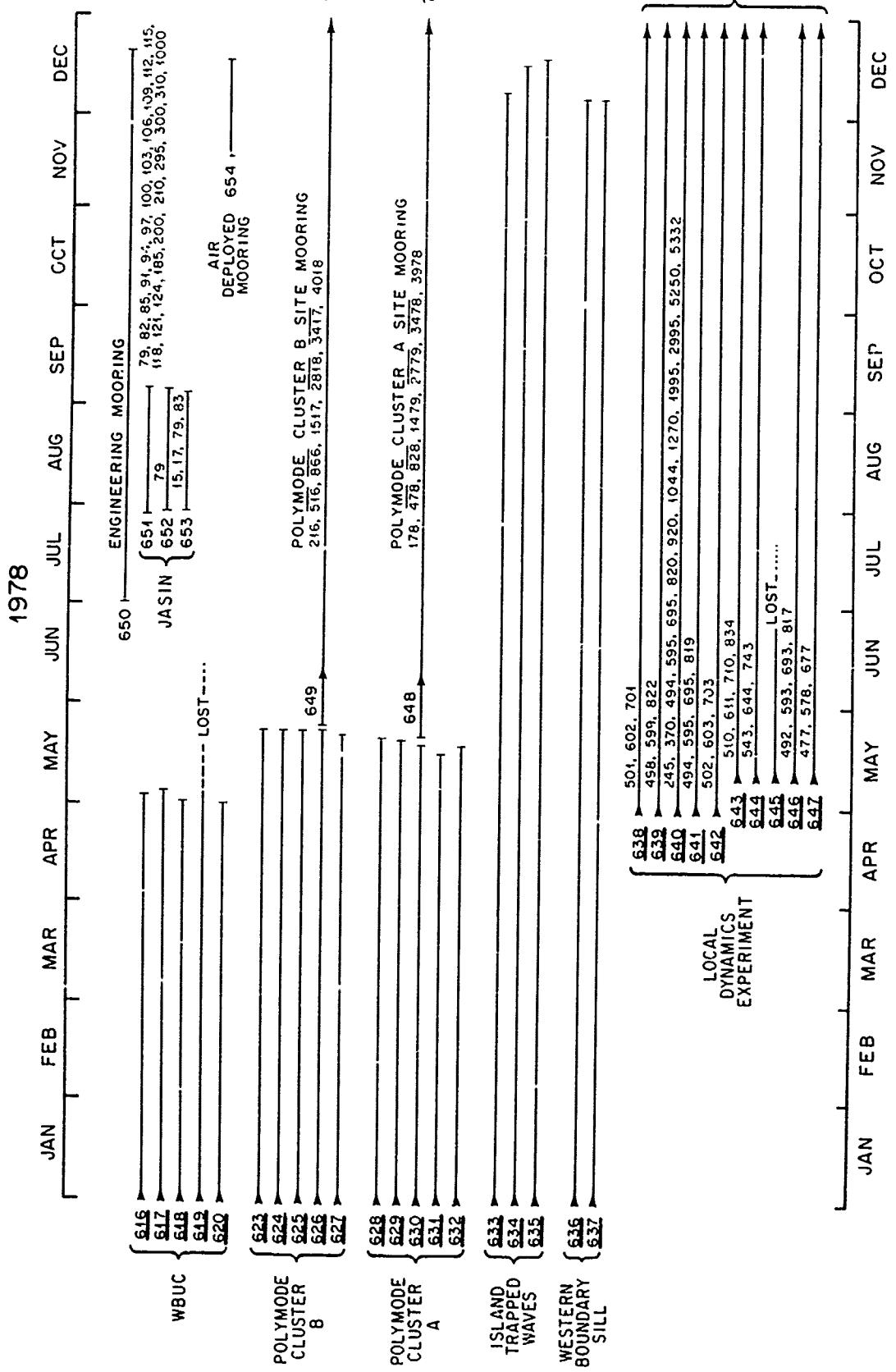


1977





1978



SECTION B LIST OF ALL RECOVERED DATA

A list by year and mooring number of all data recorded and archived by the Data Processing section of the Moored Array Project.

Description of Heading - There are two formatted lines, a mooring line and an instrument data line.

EXAMPLE OF PAGE HEADING

```
*MOORING - - - - - *NO.*TYPE*DEPTH*LATITUDE* LCNG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - - *FC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
```

*Mooring -	Moorings are numbered chronologically. There are a few exceptions in the early years when documentation was more casual.
Type	Usually <u>SUR</u> face, <u>SUB</u> surface, <u>IN</u> Termediate, <u>Bo</u> TtoM, <u>SPE</u> cial (see comments) or <u>TRI</u> -mooring
Depth	Water depth or instrument depth in meters.
Latitude Long.*	Position.
Days	Mooring days on station or instrument recorded days. As instruments were turned on some time before setting and turned off after retrieval, the data days may be longer than the mooring days. A zero means less than a day. A ? means unknown.
Set/Recovered	Year-month-day mooring was set or retrieved.
Report	Numbered W.H.O.I. Technical Report describing the data. Letters instead of numbers mean report in preparation.
Comments	Comments, location designation (Site D) or experiment name.

List of Sites on 70° 00'W

Site D 39° 20'N

Site F 38° 30'N

Site G 38° 00'N

Site H 37° 30'N

Site J 36° 00'N

Site L 34° 00'N

Site M 33° 00'N

Site P 30° 00'N

List of Experiment Acronyms

MODE	Mid-Ocean Dynamics Experiment
SCOR	UNESCO Working Group on continuous current velocity measurements
IWEX	Internal Wave Experiment
POLYMODE	International experiment aimed at understanding the role of large scale eddies in ocean circulation
INDEX	Indian Ocean Experiment
JASIN	Joint Air-Sea Interaction
*Data - *No.*	Mooring number plus instrument position number, counting from the top of the mooring line.
Instr.	Instrument series and instrument serial number
G-	Film recording instrument G-code
H-	Film recording instruments H-Code
T-	Prototype tape recording instruments
M-	Model 850 tape recording instruments
D-	Digitizing instrument
DT-	VACM modified to measure temperature difference
VACM-	Vector Averaging Current Meter
W-	Wind recorder
TP-	Draper Lab temperature depth recorder
Sampling	There are two modes of sampling measured in seconds: continuous or interval. Continuous series have samples evenly spaced in time (e.g., 5 or 900 seconds). Interval series are burst sampled. Bursts of data (usually 15-24 samples) were taken at a specified rate (5 or 5.27 seconds). Then wait until the next recording cycle (frequently 900 or 3600 seconds (15 minutes, 1 hour)). Thus 5.27/1800 is burst sampled data with consecutive bursts of 5.27 second samples every half hour (1800 seconds).

A 5 second sampling rate indicates a mechanical clock; the 5.27 rate a crystal clock. An E following a number means the film was read and keypunched manually (eyeballed).

Model 850 and VACM Sampling Times Conversion

Seconds	Minutes	or	hours	or	days
112.5	1 7/8				
225	3 3/4				
45^	7 1/2				
900	15				
1800	30		1/2		
3600	60		1		
7200			2		
86400			24		1

T/P Sampling Times Conversion

960	16
1920	32
86400	1

Data Start Year-month-day of first recorded data which may include laboratory or shipboard data.

Variables The first initial of each variable. For a current meter:

C = Compass	E = East component
V = Vane	N = North component
D = Direction	P = Pressure
S = Speed	R = Rotor speed (scalar speed)
T = Time	B = Bearing (compass + vane + magnetic variation)

A second T = Temperature

A third T = either temperature or TDIF (Temperature Difference)

For a temperature/pressure (T/P) recorder;

T = Temperature or time
P = Pressure or pressure difference
D = Depth
C = Corrected temperature

GLOSSARY

ALVIN	W.H.O.I. research submarine
Compound Mooring	A mooring that uses a combination of wire rope (in the fishbite zone) and synthetic rope.
Switch Channels	Model 850 tape cartridges have two channels. At the end of recording on one channel the instrument should switch and write on the second channel. At the end of channel 2 it should stop.
Rotor 1 Bit Modification	A VACM modification to cause vane and compass readings to be recorded even when there are no rotor counts in the recording interval.
Faking Box	A short lived system for rapid deployment of mooring.
COS/MOS	Refers to COMplimentary-Symmetry/Metal-Oxide-Semiconductor circuitry used in upgrading of Model 850 current meter. See Valdes(WHOI 77-30).
Sea Spider Mooring	Three legged mooring with single subsurface float. Early attempt at extra stable mooring.

1963

*MORING - - - - -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
* DATA - - - - -
* NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START# VARIABLE#REPORT* COMMENTS

107 SUR	2390	39 24.7N	71 01.3W	1	63- VII-23/63- VII-24
1073	1260	G-156	.5	1	63- VII-23 CVDSI 65-44
1075	1510	G-287	.5	0	63- VII-23 CVDSI 65-44
1076	2010	G-136	.5	0	63- VII-23 CVDSI 65-44
1077	2020	G-275	.5	0	63- VII-23 CVDSI 65-44

109 SUR	375	78 25.0N	73 08.0W	2	63- VII-28/63- VII-30
1081	50	G-273	60.0F	0	63- VII-28 CVDSI
1083	250	294	784E	2	63- VII-28 CVDSI

109 SUR	50C	78 27.0N	73 4E.0W	2	63- VII-28/63- VII-30
1092	150	265	784E	2	63- VII-28 CVDSI
1093	250	290	815E	2	63- VII-28 CVDSI
1094	350	G-100	6150F	2	63- VII-28 CVDSI

110 SUR	375	78 28.0N	74 14.0W	2	63- VII-28/63- VII-30
1102	150	G-137	600F	0	63- VII-28 CVDSI
1103	250	295A	706F	2	63- VII-28 CVDSI

111 SUR	3621	0 58.0N	34 55.0W	28	63- II -15/63-II-15
1114	405	323	6000F	27	63- II -15 CVDSI

112 SUR	4905	0 00.0N	34 58.0W	59	63- II -16/63- IV-15
1122	80	213	6000E	59	63- II -16 CVDSI
1123	155	278	6000E	59	63- II -16 CVDSI
1124	405	265	6000E	59	63- II -16 CVDSI

113 SUR 2290 1 00.5S 34 58.0W 59 63- II -16/63- IV-15

114 SUR ? 0 00.0 33 45.0W ? 63- II -17/ LCST

EQUATORIAL

EQUATORIAL

EQUATORIAL
EQUATORIAL

115 SUR	?	1 32.0N	27 20.0W	6 63- II -19/63- II-25	EQUATORIAL
1152	80	281	642E	5 63- II -19	CVDST
1154	405	294	684E	5 63- II -19	CVDST
116 SUR	??	0 28.0N	27 32.0W	6 63- II -19/63- II-25	EQUATORIAL
1161	30	320	600F	5 63- II -19	CVDST
1162	80	295	660E	5 63- II -19	CVDST
117 SUR	?	0 00.0N	27 30.0W	6 63- II -20/63- II-26	EQUATORIAL
1171	30	268	600E	6 63- II -20	CVDST
1172	80	299	666E	6 63- II -20	CVDST
1173	155	303	600F	6 63- II -20	CVDST
1174	405	296	624F	3 63- II -20	CVDST
118 SUR	?	0 32.0S	27 27.0W	6 63- II -20/63- II-26	EQUATORIAL
1181	30	235	600E	6 63- II -20	CVDST
1182	80	214	684F	5 63- II -20	CVDST
1183	155	239	624E	6 63- II -20	CVDST
1184	405	273	600E	4 63- II -20	CVDST
119 SUR	?	1 34.0S	27 32.0W	6 63- II -21/63- II-27	EQUATORIAL
1191	30	326	606E	5 63- II -21	CVDST
1192	80	297	600E	6 63- II -21	CVDST
1193	155	210	624E	3 63- II -21	CVDST
1194	155	204	642F	5 63- II -21	CVDST
120 SUO	?	0 54.0S	25 00.0W	47 63- II -22/63- IV-10	EQUATORIAL
121 SUR	?	0 01.0N	25 00.0W	? 63- II -22/ LEST	EQUATORIAL
122 SUR	?	01 01.0N	25 00.0W	? 63- II -23/ RECOVERED ADKIRT	EQUATORIAL
123 SUR	4490	1 29.0S	32 31.0W	5 63- III-08/63-III-13	EQUATORIAL
1231	30	204A	600E	2 63- III-08 CVDST	
1232	80	326A	600E	4 63- III-08 CVDST	
1234	405	214A	660F	3 63- III-08 CVDST	

*MOORING - - - -
 *NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
 *DATA - - - -
 # NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
 * - - - - -

124 SUR	?	0 28.0S	32 28.0W	5	63- III-08/63-III-13	EQUATORIAL
1241	30	297A	600F	5	63- III-08	CVDST
1242	80	303A	624E	4	63- III-09	CVDST
1243	155	G-135A	600E	5	63- III-08	CVDST
1244	405	296A	612F	4	63- III-08	CVDST
125 SUR	?	0 01.0N	32 25.0W	5	63- VI -08/63- VI-13	EQUATORIAL
1252	80	273A	600E	5	63- VI -08	CVDST
1254	405	239A	510E	5	63- III-08	CVDST
126 SUR	?	0 28.0N	32 28.0W	6	63- III-09/63-III-14	EQUATORIAL
1261	30	299A	456F	5	63- III-09	CVDST
1262	80	281A	564E	5	63- III-10	CVDST
1263	155	327A	546F	5	63- III-08	CVDST
127 SUR	?	1 30.0N	32 35.0W	6	63- III-09/63-III-14	EQUATORIAL
1271	30	320A	492E	5	63- III-09	CVDST
1272	80	301	696E	5	63- III-09	CVDST
1274	405	294A	600E	2	63- III-12	CVDST
128 SUR	?	1 28.0N	29 59.0W	5	63- III-15/63-III-20	EQUATORIAL
1281	30	294B	540F	5	63- III-15	CVDST
1282	80	296B	528E	4	63- III-15	CVDST
1283	155	299B	516F	5	63- III-15	CVDST
1284	405	301	522E	5	63- III-15	CVDST
129 SUR	?	0 31.0N	29 58.0W	5	63- III-16/63-III-21	EQUATORIAL
1291	30	235B	678E	5	63- III-16	CVDST
1292	80	G-135B	618E	5	63- III-16	CVDST
1293	155	303B	600E	5	63- III-16	CVDST
1294	405	297B	702E	3	63- III-16	CVDST

					EQUATORIAL
130 SUR	?	0 01.0S	24 59.0W	5	63- III-16/63-III-21
1301 30	2148	600F	5	63- III-16 CVDST	
1302 80	3268	708E	5	63- III-16 CVDST	
1303 155	2958	648E	5	63- III-16 CVDST	
1304 405	2048	468F	0	63- III-16 CVDST	
					EQUATORIAL
131 SUR	?	0 32.0S	29 57.0W	6	63- III-16/63-III-22
1312 155	3208	630E	5	63- III-16 CVDST	
1313 405	2818	624E	5	63- III-16 CVDST	
1314 80	3278	498E	5	63- III-16 CVDST	
					EQUATORIAL
132 SUR	?	1 30.0S	30 02.0W	6	63- III-17/63-III-22
1321 30	2108	660F	5	63- III-17 CVDST	
1322 80	2738	624E	5	63- III-17 CVDST	
1323 155	2684	630F	5	63- III-17 CVDST	
1324 405	2393	498F	5	63- III-17 CVDST	
					EQUATORIAL
133 SUR	?	3 00.0S	29 34.0W	16	63- III-24/63- IV-08
134 SUR	?	2 59.0S	30 40.0W	16	63- III-24/63- IV-08
					EQUATORIAL
135 SUR	?	2 59.5S	31 52.0W	14	63- III-25/63- IV-07
1355 1905	296	200F	1	63- III-25 CVDST	
					EQUATORIAL
136 SUR	?	3 00.0S	33 00.0W	14	63- III-25/63- IV-07
					VINEYARD SOUND
137 SUB	?	41 26.3N	70 46.5W	4	63- XI-08/63- XI-12
1371 16	H-514	6000E	3	63- XI-08 CVDST	
					VINEYARD SOUND
138 SUR	?	41 26.3N	76 46.5W	2	63- XI-08/ LCST

*MOORING -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA -
* NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

139	SUR	?	32 07.5N	64 32.0W	6	63- XI -26/63-XII-02	BERMUDA
1391		60	H-525	1	1	63- XI -26	ENDST 65-44
1392		70	H-527	1	1	63- XI -26	ENDST 65-44
1393		570	H-517	1	1	63- XI -26	ENDST 65-44
1394		580	H-533	1	1	63- XI -26	ENDST 65-44
1395		1230	H-530	1	1	63- XI -26	ENDST 65-44
1396		1240	H-526	1	0	63- XI -26	ENDST 65-44
1397		1588	H-524	300E	1	63- XI -26	ENDST 65-44
1398		2000	H-528	1	1	63- XI -26	ENDST 65-44
140	SUR	?	32 05.2N	64 33.7W	6	63- XI -26/63-XII-02	BERMUDA-FLOAT RECOVERED ADRIFT
1401		60	H-532	.989	1	63- XI -26	ENDST 65-44
1402		70	H-534	1	1	63- XI -26	ENDST 65-44
1403		570	H-531	1	1	63- XI -26	ENDST 65-44
1404		580	H-522	1	1	63- XI -26	ENDST 65-44
141	SUR	2560	32 12.7N	64 32.8W	4	63- XII -06/63-XII-10	BERMUDA-RECOVERED ADRIFT
1411		60	H-531	1	1	63- XII -06	ENDST 66-60
1412		61	H-514	5	3	63- XII -06	ENDST 66-60
1413		63	H-534	1	1	63- XII -06	ENDST 66-60

* * * * *
1964 * * * *

*MOTORING - - - - -
 *NC.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *RF PORT* COMMENTS
 *DATA - - - - -
 * NJ. *DEPTH*INSTR. # SAMPLING *DAYS*DATA START* VARIABLES*# REPORT* COMMENTS
 * -

154 SUR	3274	52 50.0N	35 38.0W	1	64- LV -08/64- IV-30	
1541	2000	H-543	1	0	64- LV -08 ENDST	67-66
1542	2500	H-548	1	0	64- LV -08 ENDST	67-66
1543	3000	H-544	1	0	64- LV -08 ENDST	67-66
155 SUR	4577	36 15.2N	67 50.7W	?	63- VII-16/ LEST	
156 SUR	?	UNKNOWN	UNKNOWN	29	62- LV -22/62- V -20	
157 SUR	2610	10 MILES	E.NF BDA.	7	62- XII-15/ LEST	BERMUDA
158 SUR	2615	32 13.1N	64 34.1W	7	64- V -08/64- V -15	
1581	W-125	600	66	64-	V -08 ENDST	35 RNUDA
159 SUB	2140	32 14.8N	64 35.1W	6	64- V -10/64- V -16	
1591	260	H-522	1	1	64- V -10 ENDST	BERMUDA
160 SUR	2103	32 14.6N	64 36.3W	6	64- V -10/64- V -16	
1603	260	H-518	1	1	64- V -10 ENDST	BERMUDA
161 SUR	2286	32 15.4N	64 31.8W	3	64- V -11/64- V -14	
1612	494	H-534	1	1	64- V -11 ENDST	BERMUDA
1614	1594	H-524	1	1	64- V -11 ENDST	66-60
162 SPE	2140	32 17.0N	64 37.2W	3	64- V -12/64- V -15	MULTIPLE FLOATS
163 SUR	5700	23 42.0N	67 50.0W	5	64- VII-21/64-VII-26	
1631	192	H-533	1200F	4	64- VII-21 ENDST	67-66
1632	692	H-538	1200E	4	64- VII-21 ENDST	67-66
164 SUR	5790	23 50.5N	67 49.0W	5	64- VII-21/64-VII-26	
1641	192	H-534	1200F	4	64- VII-21 ENDST	67-66
1642	692	H-539	1200E	4	64- VII-21 ENDST	67-66

165 SUR	5290	28 50.ON	68 49.0W	7 64- VII-28/64-VIII-C+
1651	55	H-534	1200E	7 64- VII-28 ENST 67-66
1652	56	H-524	240E	2 64- VII-28 ENST 67-66
1653	620	H-539	1200E	6 64- VII-28 ENST 67-66
1654	3240	H-538	1200E	4 64- VII-28 ENST 67-66
166 SUR	5200	29 11.3N	68 21.0W	7 64- VII-29/64-VIII-04
1661	55	H-522	1200E	3 64- VII-29 ENST
1662	56	H-532	1200E	2 64- VII-29 ENST
1663	617	H-533	1200E	4 64- VII-29 ENST
167 SUR	5200	29 39.5N	67 54.0W	7 64- VII-29/64-VIII-05
1671	55	H-518	1200E	3 64- VII-29 ENST
1672	56	H-549	240E	1 64- VII-29 ENST
168 SUR	4701	33 59.ON	63 57.0W	64- IX -01/54- XI-??
1681	W-125		18000L	62 64- IX -01 ENST
169 SUB	4664	33 56.ON	63 57.0W	? 64- IX -01/ LOST
170 SUR	4655	33 59.ON	63 50.0W	0 64- IX -02/64- IX-02
171 SUB	4660	33 52.ON	63 49.0W	? 64- IX -05/ LCST
172 SUR	1000	32 18.ON	64 37.0W	? 64- IX -15/ LOST
173 SUR	2000	32 15.ON	64 35.0W	0 64- IX -23/64- IX-23
				CABLE PARTED DURING LAUNCH

*****#
1965

*NO.	*TYPE	*DEPTH	*LATITUDE*	LONG.	*DAY*	SET	/RECOVERED	*REPORT*	COMMENTS
*DATA	-	-	-	-	-	-	-	-	-
* NO.	*DEPTH	*INSTR.	* SAMPLING	* DAY*	DATA START*	VARIABLES*	REPORT*	COMMENTS	*
174	SUR	2584	39 18.6N	69 56.2W	?	65-	1 -28/ LNST		
175	SUB	2561	39 23.2N	70 02.7W	30	65-	1 -29/65- 11-28		
1754		2032	H-518	900E	14	65-	1 -29 ST		
176	SUB	1550	20 16.0N	73 40.0W	0	65-	11 -04/65- 11-04		
		1762	275	H-550	5/3600	0	65-	11 -04 ENDST	
177	SUB	30	41 29.0N	70 43.0W	6	65-	11 -05/65- 11-10		
1771		15	H-664	1200E	5	65-	11 -05 ENDST	70-40	
178	SUB	2594	39 20.0N	70 00.0W	0	65-	11 -24/65- 11-24		
179	SUB	2580	39 20.7N	69 58.9W	24	65-	11 -28/65-111-24		
1791		64	H-662	5/900	19	65-	11 -28 ENDST	70-40	
1793		940	H-534	5/900	19	65-	11 -28 ENDST	70-40	
1794		1942	H-660	5/1200	19	65-	11 -28 ENDST	70-40	
180	SUB	2602	39 20.0N	70 00.2W	35	65-	111-23/65- IV-27		
1801		144	H-284	5/900	34	65-	111-23 ENDST	70-40	
1803		123	H-137	18000E	34	65-	111-23 ENDST	70-40	
181	SUR	2560	39 21.7N	69 58.9W	168	65-	IV -21/65- X -36		
1811		W-123	18000F	40	65-	IV -21 ENDST			
1812		W-126	18000E	22	65-	VI -24 ENDST	70-40		
1813		W-123	600E	47	65-VIII-20	ENDST	70-40		

182	SUB	2610	39 19.1N	70 01.2W	?	65- IV -21/ LOST	"D"
183	SUR	2618	39 21.3N	70 02.1W	2	65- V -04/65- V -06	TEST OF TELEMETRY SYSTEM, NO DATA BAD DIRECTIONS
1832		123	H-284	900E	1	65- V -04 ENDST	
184	SUB	2600	39 19.6N	70 02.5W	56	65- VI -24/65-VIII-19	
1841		120	H-664	5/900	47	65- VI -24 ENDST	70-40
1842		514	H-284	5/900	51	65- VI -24 ENDST	70-40
1844		2026	H-137	5/900	50	65- VI -24 ENDST	70-40
185	SUR	2600	39 20.6N	70 04.0W	?	65- VI -24/ LCST	TEST OF 24 METER SPAR BUOY
186	TRI	803	30 15.0N	78 40.0W	15	65-VIII-04/65-VIII-19	TEST OF "SEA-SPIDER" MOORING
1861		40	H-539	5/1800	14	65-VIII-04 ENDST	70-40
187	SUB	2600	39 19.3N	69 59.7W	?	65-VIII-04/ LCST	SITE D
188	SUR	2615	39 20.5N	69 59.0W	54	65- X -06/65- XI-20	SITE D
1881		W-126		600E	19	65- X -06 ENDST	70-40
1882		7	H-542	5/900	48	65- X -06 ENDST	70-40
1883		88	H-539	5/900	49	65- X -06 ENDST	70-40
189	SUB	2607	39 20.0N	69 57.0W	56	65- X -06/65- XI-31	SITE D
1891		98	H-545	5/900	52	65- X -06 ENDST	70-40
1892		99	H-137	900E	44	65- X -06 ENDST	70-40
1894		1001	H-548	5/900	36	65- X -06 ENDST	70-40
1895		2002	H-284	5/900	50	65- X -06 ENDST	70-40
190	SUR	2602	39 20.4N	69 57.3W	142	65- XI -30/66- IV-21	SITE D
1901		W-123		1200E	21	65- XI -30 ENDST	COMPASS STICKY, SPEED BIASED
191	SUB	2632	39 19.3N	70 04.0W	101	65- XI -30/66-III-11	SITE D
1911		167	H-304	5/900	52	65- XI -30 ENDST	70-40

* * * * *
1991

* MOORING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* TYPE	* DEPTH	* LATITUDE*	* LONG.	* DAYS*	SET	/RECOVERED	* REPORT*	COMMENTS	-	-	-	-	-	-	-	*
* DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* DEPTH	* INSTR.	* SAMPLING	* DAYS*	DATA START*	VARIABLES*	REPORT*	COMMENTS	-	-	-	-	-	-	-	-	*
192 SUR	3300	38 28.8N	70 00.5W	43	66-	1	-05/66-	II-17	SITE F	-	-	-	-	-	-	-	
1921	3270	H-305	5/900	42	66-	1	-05	ENDST	71-50	SITE F	-	-	-	-	-	-	
193 SUR	2604	39 19.0N	70 00.0W	137	66-	1	-07/66-	VI-24	SITE D	-	-	-	-	-	-	-	
1932	492	H-550	5/900	49	66-	1	-07	ENDST	71-50	SITE D	-	-	-	-	-	-	
1933	994	H-302	5/900	50	66-	1	-07	ENDST	71-50	SITE D	-	-	-	-	-	-	
1934	1997	H-542	900E	45	66-	1	-07	ST	COMPASS, VANE BOTH STUCK	SITE D	-	-	-	-	-	-	
194 SUR	4491	36 04.3N	70 04.8W	1	66-	1	-18/66-	II-19	SITE J	-	-	-	-	-	-	-	
1941	20	H-539	1	1	66-	1	-18	ENDST	FILM TRANSPORT PROBLEMS	SITE J	-	-	-	-	-	-	
1942	50	H-545	900E	1	66-	1	-18	ENDST	DIRECTION DATA UNREADABLE	SITE J	-	-	-	-	-	-	
1943	101	H-137	900E	1	66-	1	-18	ST	PROTOTYPE MAGNETIC TAPE INSTRU.	SITE J	-	-	-	-	-	-	
1945	200	T-104	5	1	66-	1	-18	CVDST	-	SITE J	-	-	-	-	-	-	
1947	4016	H-518	900E	1	66-	1	-18	ENDST	-	SITE J	-	-	-	-	-	-	
195 SUP	4500	35 59.0N	69 58.0W	67	66-	1	-18/66-	IV-26	SITE J	-	-	-	-	-	-	-	
1951	W-126	600E	67	66-	1	-18	ENDST	71-50	SITE J	-	-	-	-	-	-	-	
196 T&I	37	41 C9.6N	70 41.8W	2	66-	1V	-15/66-	IV-17	SURFACE TRIMMING	SITE J	-	-	-	-	-	-	
1961	W-123	600F	3	66-	1V	-15	ENDST	71-50	SURFACE TRIMMING	SITE J	-	-	-	-	-	-	
1962	W-161	.5	3	66-	1V	-16	ENDST	71-50	SURFACE TRIMMING	SITE J	-	-	-	-	-	-	
197 SUR	2595	39 23.0N	70 02.0W	1	66-	1V	-20/66-	IV-21	ABORTED MOORING, LINE PARTED	SITE D	-	-	-	-	-	-	
198 SUR	2586	39 22.5N	69 58.0W	33	66-	1V	-20/66-	V -?3	SITE D	-	-	-	-	-	-	*	
1981	W-159	.5/900	34	66-	1V	-20	ENDST	71-50	SITE D	-	-	-	-	-	-	*	
1982	6 H-788	5/900	31	66-	1V	-20	ENDST	71-50	SITE D	-	-	-	-	-	-	*	

199 SUR	4500	35 57.0N	70 02.8W	26	66- IV -22/66- V -18	SITE J
1992	6	H-304	5/900	26	66- IV -22 ENDST 71-50	
1994	500	H-792	5/900	26	66- IV -22 ENDST 71-50	
1995	1000	H-137	5/900	26	66- IV -22 ENDST 71-50	
200 SUB	2595	39 21.2N	69 58.6W	?	66- IV -27/ LOST	SITE D
201 SUR	2608	39 20.5N	69 58.5W	2	66- V -18/66- V -20	SITE D
2013	50	H-518	1	1	66- V -18 ENDST	
2014	150	H-284	1	1	66- V -18 ENDST	
2015	300	H-664	900E	1	66- V -18 ENDST	VANE FOLLOWFR STUCK
202 SUR	2560	39 20.5N	69 53.5W	46	66- V I -24/66-VIII-20	SITE D
2021		W-123	.5/600	46	66- V I -24 ENDST 71-50	
203 SUB	2540	39 22.3N	69 55.0W	67	66- V I -24/66-VIII-30	SITE D
2031	104	M-110	5/900	25	66- V I -24 ENDST 71-50	
2032	502	M-112	5/900	24	66- V I -24 ENDST 71-50	
2034	2004	M-113	5/900	25	66- V I -24 ENDST 71-50	
204 SUB	4125	38 01.0N	70 01.0W	?	66- IV -22/ LOST	SITE G
205 RTM	4200	37 31.5N	70 00.0W	44	66- V I -27/66-VIII-17	SITE H
2051	4168	H-137	5/900	43	66- V I -27 ENDST 71-50	
206 SUR	4340	35 59.0N	69 59.3W	?	66- IV -28/ LOST	SITE J
207 SUR	4360	36 03.3N	70 00.7W	r	66-VIII-11/ LOST	SITE J
208 SUR	2570	39 18.4N	69 55.0W	2	66-VIII-30/66- IX-11	SITE D
2081		W-123	1	1	66-VIII-30 ENDST 71-50	
209 SUR	2599	38 18.0N	69 55.0W	?	66-VIII-30/ LOST	SITE D
210 SUB	2605	36 19.0N	69 56.0W	38	66-VIII-30/66- X -77	SITE D
2101	85	M-135	5/900	37	66-VIII-30 ENDST	ROTOR,VANE HAVE PROBLEMS
2102	487	N-138	5/900	37	66-VIII-30 ENDST	ONLY 9 DAYS OF SPEED DATA
2103	989	M-132	5/900	37	66-VIII-30 ENDST	
2105	2C59	M-123	5/900	38	66-VIII-30 ENDST	ROTOR,VANE HAVE PROBLEMS

*MOORING
 *NO. *TYPE*DPTH*LATITUDE* LONG. *DAYS* SFT /RECOVERED *REPORT# COMMENTS
 * DATA
 * NO. *DEPTH*INSTR. * SAMPLING *DAYS*DATA START* VARIABLES*REPORT# COMMENTS
 *

	SITE D	SITE D	SITE D	SITE D	SITE D	SITE D	SITE D	SITE G
211 SUR 2533	39 19.7N	69 54.7W	60 66-	X -04/66-XII-13				
2111	W-126	.5/900	44 66-	X -04 ENDST	71-50			
2112	10 M-145	.5/900	0 66-	X -04 ENDST	71-50	BATTERY LEAKED		
212 SUB 2493	39 20.0N	69 51.5W	60 66-	X -08/66-XII-07				
2121	50 M-125	.5/900	59 66-	X -08 ENDST	71-50			
2123	450 M-127	.5/900	18 66-	X -08 ENDST	71-50	VANE LOST		
2124	950 M-122	.5/900	59 66-	X -08 ENDST	71-50			
2125	1950 M-129	.5/900	41 66-	X -08 ENDST	71-50			
213 SUR 2574	39 10.0N	70 00.0W	? 66-	X -07/66-XII-17		RECOVERED ADRIIFT		
214 SUR 2557	39 19.9N	70 01.1W	2 66-	XII-07/66-XII-08		EQUIPMENT TESTS	SITE D	
2141	W-163	.5/900	0 66-	XII-07 ENDST				
215 SUR 2570	39 17.5N	70 05.0W	66- XII-15/69-VIII-06			RECOVERED ADRIIFT	SITE O	
2151	120 M-143	.5/900	18 66-	XII-15 ENDST	71-50	TIME BASE QUESTIONABLE	SITE O	
216 SUR 2561	39 18.5N	70 01.2W	2 66-	XII-07/66-XII-08				
2161	X-100	600F	0 66-	XII-07 ENDST				
2162	10 Y-146	.5/900	1 66-	XII-07 ENDST				
2163	52 M-149	.5/900	1 66-	XII-07 ENDST				
2164	104 M-119	.5/900	1 66-	XII-07 ENDST				
2165	506 M-142	.5/900	1 66-	XII-07 ENDST		COMPASS BIT PROBLEMS		
217 STM	37 59.0N	70 01.0W	? 66-	XII-04/ LCST			SITE G	
218 STM	40 30	37 30.0N	70 00.0W	? 66-	XII-05/ LOST		SITE H	
219 SUP	4413	36 04.2N	69 54.7W	74 66-	XII-05/67- II-17		ENGINEERING MOORING SITE J	

* * * * *
1967
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*MOORING - - - - - *TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - - *DEPTH*INSTR. * SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* NC. *NC.

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	SUB	705	65	40.64	27	47.2W	42	67-	II	-03/67-III-17	DENMARK STRAITS
230	2301	453	H-838		5/600	40	67-	II	-03	FYOST	NO RECOVERABLE ROTOR VALUES
2:74		657	H-841		5/600	38	67-	II	-03	I-VCT	ROTOR VALUES QUESTIONABLE

SITE D
231 SUR 2605 39 20.0N 70 00.0W 1 67- IV -27/67- IV-27
231 W-164 1 0 67- IV -27 ENYST
2312 12 H-137 1 0 67- IV -27 ENYST
2313 16 D-173 2 0 67- IV -27 CVLST

				SITE D	SITE D	SITE D	SITE G	SITE H	SITE J
232 SUR	2590	39	18.9N	70	03.0W	?	67-	IV	-26/ L ^{cst}
233 SUR	2590	39	17.8N	70	00.6W	?	67-	IV	-27/ L ^{cst}
234 BTM	3829	38	01.6N	69	59.8W	?	67-	IV	-25/ L ^{cst}
235 BTM	4180	37	31.1N	69	56.0W	?	67-	IV	-25/ L ^{cst}
236 SUR	4517	36	06.2N	69	58.7W	?	67-	IV	-24/ L ^{cst}

237 SUR 5416 32 55.6N 69 55.5N ? 67- IV -21/ LOST
2371 W-165 2 67- IV -21 FINEST

				SITE P
238 SUR	54 34	30 03.2 N	70 01.8 W	67- IV -22/u7- VI-2?
2381	W-166		3600	67- IV -22 ENT
2382	10 H-877		900	67- IV -22 ENDST
239 SUB	102	40 10.6 N	70 00.7 W	67- VI -17/67- VI-2 ^a
2391	27	D-175	2.5	0 67- VI -17 CVOSRTT74-4
2393	67	M-135	5	8 67- VI -17 ENDST 74-4
				SHELF
				COMPASS, VANE PROBLEMS
				DIRECTIONS UNRELIABLE AFTER JUNE 21

		SLOPE	SPEED	QUESTIONABLE
2183	32.12N	8.9	20.6W	6.7 - VI-26
2401	W-175	5	8	6.7 - VI-17
2402	D-172	2.5	1	6.7 - VI-17
2404	2021-M-145	5	4	6.7 - VI-17
				ENDST
				CUSTOIR
				NOT GOOD -- TOO MANY ERRORS
				HAD COMPASS VAL UFS

241 SUR 2614 39 17.7N 69 58.2W 1 67- VI -18/57- VI-18
 241 W-164 1 0 67- VI -18 F VIST
 241 X-660 1 0 67- VI -18 C.VIST .
 SITE D
 1 HOUR OF CONTINUOUS GOOD DATA
 1 HOUR OF CONTINUOUS GOOD DATA

252 SUB	2582	39 22.1N	70 01.9W	9	67-VIII-08/ 67-VIII-11		SITE C
2521	109 X-660		1	1	67-VIII-08 CVOST	NO USEABLE DATA	SITE D
253 SUR	2582	39 21.9N	70 02.2W	8	67-VIII-08/ 67-VIII-11		SITE D
2531	W-164		1	1	67-VIII-08 ENOST	SHORT BUT GOOD	SITE D
2532	12 H-137		1	1	67-VIII-08 ENOST	SHORT BUT GOOD	SITE D
254 SUR	2620	39 21.0N	70 03.4W	7	67- X -03/ 67- X -10		SITE D
2542	106 D-172	900F		5	67- X -03 TTTT		
2543	97 H-868		5	6	67- X -03 ENOST	74-4	
2544	101 H-878		5	7	67- X -03 ENOST	74-4	
2545	105 H-873	900F		7	67- X -03 ENOST	74-4	
255 SUR	2630	39 18.2N	70 03.7W	2	67- X -06/ 67- X -07	ENGINEERING MOORING SITE D	
256 SUR	5364	34 04.0N	69 56.1W	54	67-VIII-11/ 67- X -04	ENGINEERING MOORING SITE L	
257 SUR	91	42 59.6N	70 25.9W	1	67- VIII-28/ 67-VII-2	FOR VICE-PRESIDENT HUMPHRY	
2571	W-173		•5	0	67- VIII-28 ENOST		
2572	12 H-137		.5	0	67- VIII-28 ENOST		
259 SUK	2569	39 19.7N	70 00.8W	1	67- X -08/ 67- X -09	ENGINEERING MCORING SITE D	
259 SUR	2600	39 19.7N	70 01.3W	5	67- XII-07/ 7-XII-12	TIME SERIES IN 8 PIECES	
2592	12 H-878		.5	0	67- XII-10 ENOST		
260 SUR	2614	39 16.8N	70 00.1W	2	67- XII-08/ 67-XII-11		SITE D
2602	12 H-873		.5	0	67- XII-08 ENOST	SHORT BUT GOOD	
2603	516 X-660		1	0	67- XII-08 CVOST	ROTOR MODIFIED	
261 SUR	2575	39 16.3N	70 01.4W	1	67- XII-10/ 67-XII-11	ENGINEERING MOORING SITE D	
2612	14 H-873		0	67- XII-10 ENOST			

1968

*NO.	*TYPE	*DEPTH	*LATITUDE	*LONG.	*DAYS*	SET	/RECOVERED	*REPORT*	COMMENTS	-	-	-	-	-	-	*
*DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	*DEPTH	*INSTR.	* SAMPLING	*DAYS*	*DATA	START*	VARIABLES	*REPORT*	COMMENTS	TEST OF BACK-UP RECOVERY SYSTEM						
262	SUR	2680	39 10.2N	70 02.1W	1	68- I I	-24/68-	II-24		TEST OF BACK-UP RECOVERY SYSTEM						
263	SUR	2678	39 08.2N	59 58.8W	51	68- IV	-19/68-	VI-10		2 MONTH TEST OF NYLON MOORING						
264	SUR	2680	39 09.3N	70 01.8W	51	68- IV	-20/68-	VI-09		2 MONTH TEST OF WIRE MOORING						
2641			W-101X	5/900	23	68- IV	-20	ENDST	74-52							
2643			11 M-172	5/900	23	68- IV	-20	ENDST								
265	BTM	2670	39 11.4N	69 56.7W	52	68- IV	-24/68-	VI-15								
2651		2576	H-877	900	51	68- IV	-24	ENDST	74-52							
266	SUR	2710	39 09.2N	70 03.3W	2	68- VI	-08/68-	VI-10		TEST OF LAUNCH TENSION *D*						
267	SUR	2663	39 11.4N	70 04.2W	75	68- VI	-09/68-	VIII-23		COMPASS STICKY, NO ROTOR VALUES						
2673		11 M-170		5/900	47	68- VI	-09	ENDST								
268	BTM	2658	39 09.7N	69 51.7W	104	68- VI	-14/68-	IX-26								
2681		2558	M-175	5/1800	103	68- VI	-14	ENDST	74-52							
269	SUR	2679	39 09.6N	70 01.6W	69	68- VI	-15/68-	VIII-23								
2691			W-101X	5/900	47	68- VI	-15	ENDST								
2693			11 M-174	5/900	23	68- VI	-15	ENDST								
270	BTM	2730	39 07.0N	69 54.6W	5	68- IV	-19/68-	IV-24		TEST OF SYNTACTIC FOAM BUOYANCY						
271	SUR	2683	39 08.3N	70 02.4W	6	68-VIII-14/68-VIII-20				ENGINEERING MOORING SITE D						
2713		12 M-142		5	5	6.8-VIII-14	ENDST		SHORT BUT GOOD							

*MOORING
*NO. *TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA
* DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* NO.

272 SUR	2705	39 09.1N	70 05.7W	7	68-VIII-15/68-VIII-21	CURRENT AND TEMPERATURE SHEAR
2721		W125-X	5	7	68-VIII-15 ENDST	74-52
2722	10	M-177	5	7	68-VIII-15 ENDST	74-52
2723	20	M-124	5	4	68-VIII-15 ENDST	74-52
2724	29	D-172	5	1	68-VIII-15 CVDS/TIT ENDST	NO ROTOR VALUES
2726	40	M-122	5	7	68-VIII-15 ENDST	74-52
273 SUR	2794	39 06.3N	70 02.6W	1	68-VIII-20/68-VIII-21	TEST OF ENGINEERING INSTRUMENTS
2735	519	M-159	5	1	68-VIII-20 ENDST	COMPASS PROBLEMS
274 SUR	2685	39 10.2N	70 04.2W	41	68-VIII-22/68-X-02	SITE D
2742	14	M-172	5/900	41	68-VIII-22 ENDST	74-52
2743	54	M-173	5/900	41	68-VIII-22 ENLST	74-52
2744	105	M-135	5/900	41	68-VIII-22 ENDST	74-52
275 SUR	2677	39 09.5N	70 01.3W	35	68-VIII-24/68-IX-27	ENGINEERING WIRE TEST
2751		W-174	900F	34	68-VIII-24 ENDST	74-52
276 SUR	1812	39 52.3N	69 12.8W	83	68-VIII-25/68-XI-16	FOR 'ALVIN' INSPECTION-ALVIN LOST
277 SUB	2600	39 08.2N	70 02.9W	4	68-IX-26/68-IX-30	TO TEST POSITIONING ABILITY
278 SUR	2675	39 08.6N	69 39.3W	2	68-IX-26/68-IX-28	ENGINEERING MOORING
279 SUR	2685	39 08.8N	70 01.5W	71	68-X-01/68-XII-11	TEST OF COMPOUND MOORING
2791		W-101X	5/900	63	68-X-01 ENDST	74-52 ANEMOMETER BLEW AWAY
290 SUR	2685	39 10.0N	70 02.8W	70	68-X-02/68-XII-11	SITE D
2801		W-125X	5/900	48	68-X-02 ENDST	74-52
2803	12	M-122	5/900	57	68-X-02 ENDST	74-52
2804	53	M-142	5/900	64	68-X-02 ENDST	COMPASS STUCK
2805	104	M-159	5/900	63	68-X-02 ENDST	74-52
281 SUR	1374	39 53.6N	69 13.6W	31	68-X-23/69-XI-22	RANGE AND BEARING MARKERS FOR
282 SUR	1610	39 50.8N	69 13.6W	31	68-X-23/69-XI-22	'ALVIN' RECOVERY
283 SUR	2675	39 10.2N	70 04.6W	8	68-XII-10/68-XII-18	CURRENT SHEAR EXPERIMENT
2833	501	M-177	5	8	68-XII-10 ENDST	74-52
2836	521	M-195	5	8	68-XII-10 ENDST	COMPASS STUCK, VANE STICKY
2837	531	M-196	5	8	68-XII-10 ENDST	74-52

284 SUR 2690 39 09.8N 70 03.6W 120 68- XII-19/69- IV-17
 2842 12 M-173 5/1800 119 68- XII-19 ENDST 74-52
 2843 54 M-145 5 81 68- XII-19 ENDST 74-52
 285 SUR 2670 39 10.5N 70 03.0W 1 68- XII-18/68-XII-19
 2852 515 M-170 5 3 68- XII-16 ENDST TEST OF ENGINEERING INSTRUMENTS
 SHORT BUT GOOD
 DRIFTING--SIGHTED APRIL 69
 AT 39 31.0N, 46 31.0W SITE D
 286 SUR 2674 39 12.2N 70 04.0W ? 68- XII-19/ LCST
 287 STM 2680 39 10.7N 70 02.1W 171 68- XII-19/69- VI-J?
 2871 2580 M-175 5/1800 42 68- XII-19 ENDST 74-52
 288 SUR 2678 39 09.4N 70 00.5W 120 68- XII-19/69- IV-17 SITE D

1969

* MOORING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* TYPE	* DEPTH	* LATITUDE*	* LONG.	* DAYS*	SET	-	-	-	-	-	-	-	-	-	*
* DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* DEPTH	* INSTR.	* SAMPLING	* DAYS*	DATA START*	VARIABLES*	DATA START*	VARIABLES*	REPORT*	COMMENTS	-	-	-	-	-	*
289	SUB	2833	38 01. ON	04 59.9E	49	69-	1	-22/69-111-12	FNDST	76-40	MEDITERRANIAN SEA	TO MEASURE VERTICAL DISTRIBUTION	OF INERTIAL DISTURBANCES ON THE	SOUTH SIDE OF AN ENCLOSED BASIN.		
2892		211	M-209	5/900	49	69-	1	-22	FNDST	76-40						
2893		713	M-205	5/900	40	69-	1	-22	FNDST	76-40						
2894		1215	M-206	5/900	49	69-	1	-22	FNDST	76-40						
2895		1717	M-210	5/900	49	69-	1	-22	FNDST	76-40						
2896		2219	M-211	5/900	49	69-	1	-22	FNDST	76-40						
290	SUR	2682	39 10. 9N	70 02.5W	8	69-	IV	-16/69- IV-24	ENDST	76-40	ENGINEERING MOORING SITE D					
2903		16	M-151	5	8	69-	IV	-16	ENDST	76-40						
2905		521	M-198	5	8	69-	IV	-16	ENDST	76-40						
291	STM	2682	39 08. 7N	70 02.5W	8	69-	IV	-16/69- IV-24	ENDST	76-40	SYNTATIC FOAM FLOAT TEST					
2911		2581	M-209	5	7	69-	IV	-16	ENDST	76-40	PROGRESSIVE ROTOR FAILURE					
2912		2670	M-211	5	8	69-	IV	-16	ENDST	76-40	RECOVERED- MOORING ADRIET	RESET AS MOORING 296				
292	SUR	2686	39 08. 4N	69 56.5W	2	69-	IV	-16/69- IV-13	ENDST							
2921		19	M-210	5/1800	2	69-	IV	-16	ENDST							
2922		66	M-214	5/1800	2	69-	IV	-16	ENDST							
2923		120	M-213	5/1800	2	69-	IV	-16	ENDST							
2925		2339	M-203	5/1800	2	69-	IV	-16	ENDST							
293	STM	2678	39 09. 7N	70 02.6W	7	69-	IV	-16/69- IV-23	ENDST		SITE D					
294	SUB	2674	39 10. 3N	70 00. 0W	9	69-	IV	-17/69- IV-26	ENDST	76-40	TO MEASURE CURRENT SHEAR	CRYSTAL (NOT MECHANICAL) CLOCK	COMPASS, VANE MISSING BITS			
2941		1512	M-142	5.27/900	8	69-	IV	-17	ENDST	76-40						
2942		1514	M-122	5	8	69-	IV	-17	ENDST	76-40						
2943		1539	M-204	5	1	69-	IV	-17	ENDST	76-40						
2944		1564	M-159	5	8	69-	IV	-17	ENDST	76-40						
2945		1598	M-127	5	8	69-	IV	-17	ENDST	76-40						
2946		1614	M-170	5	8	69-	IV	-17	ENDST	76-40						

295	BTM	2690	39 10.1N	70 04.3W	3	69- IV -23/69- IV-26	ENGINEERING MOORING SITE D
296	SUR	2674	39 10.5N	70 01.EW	2	69- IV -24/69- IV-25	LINE DAMAGED WHILE SETTING 297
2961		13	M-213	5/900	2	69- IV -24 ENDST	RESET AS MOORING 299
2962		51	M-214	5/900	2	69- IV -24 ENDST	
2965		107	M-203	5/900	2	69- IV -24 ENDST	
2966		2310	M-210	5/900	2	69- IV -24 ENDST	
297	SUR	2672	39 10.3N	70 01.8W	1	69- IV -25/69- IV-26	MOORING 297 DRIFTED ACROSS 296
298	SUR	2675	39 09.1N	69 59.0W	108	69- IV -26/69-VIII-12	WHILE IT WAS BEING SET
2981			W-125X	5/1800	109	69- IV -25 ENDST	4 MONTH WIRE TEST SITE D
2983		14	M-205	5/1800	110	69- IV -25 ENDST	
299	SUR	2696	39 09.0N	70 03.6W	16	69- IV -29/69- V -15	RECOVERED ADRIFT SITE D
2991		13	M-203	5/900	30	69- IV -28 ENDST	76-40
2992		51	M-214	5/900	30	69- IV -28 ENDST	76-40
2995		107	M-213	5/900	30	69- IV -28 ENDST	76-40
2296		2372	M-210	5/900	29	69- IV -28 ENDST	76-40
300	SUR	2680	39 09.6N	70 01.2W	105	69- IV -29/69-VII-12	4 MONTH WIRE TEST SITE D
301	SUR	2680	39 09.9N	69 56.0W	4	69- VI -07/69- VI-11	ENGINEERING INSTRUMENT TEST
3011			W-169X	5	4	69- VI -07 ENDST	76-41
3014		16	M-198	5	4	69- VI -07 ENDST	76-41
302	BTM	2685	39 05.9N	69 59.5W	126	69- VI -07/69- X -11	4 MONTH BOTTOM MOORING •D•
3021		2586	M-159	5/1800	125	69- VI -07 ENDST	76-41
303	BTM	2692	39 07.6N	70 03.2W	1	69- VI -08/69- VI-09	TEST OF GLASS BALL BUOY

*MOORING	-	-	-	-	-	*DEPTH*	LATITUDE*	LONG.*	*DAYS*	SET	/RECOVERED	*REPORT*	COMMENTS
*NO.	*TYPE	*DATA	-	-	-	-	-	-	-	-	-	-	*
-	-	-	-	-	-	-	-	-	-	-	-	-	-
* NO.	*DEPTH*	INSTR.	* SAMPLING	*DAYS*	DATA START*	VARIABLES*	R REPORT*	COMMENTS	*	*	*	*	*
304 BTM	4486	36 23.4N	70 00.2W	62	69- VI	-12/69-VIII-14				CURRENTS	UNDER GULF STREAM		
3041	4227	M-122	5/1800	62	69- VI	-12 ENDST	76-41						
305 BTM	4426	36 43.0N	70 00.3W	62	69- VI	-12/69-VIII-14			CURRENTS	UNDER GULF STREAM			
3051	4227	M-127	5/1800	62	69- VI	-12 ENDST	76-41						
306 BTM	4368	37 00.0N	70 00.0W	62	69- VI	-12/69-VIII-14			CURRENTS	UNDER GULF STREAM			
307 BTM	4281	37 20.0N	70 01.0W	62	69- VI	-12/69-VIII-14			CURRENTS	UNDER GULF STREAM			
3071	4084	M-209	5/1800	16	69- VI	-12 ENDST			CHANGED RECORDING MODES AFTER				
308 SUR	2682	39 09.6N	69 52.9W	120	69- VI	-13/69-X-11			16 DAYS				
3082	15	M-170	5/1800	85	69- VI	-13 ENDST			TFST OF TORQUE BALANCED WERE				
309 SUR	2678	39 09.0N	70 00.2W	69	69- VI	-13/69-VIII-11			SPORATIC ROTOR FAILURE				
3091		W-101X	5/900	59	69- VI	-13 ENDST	76-41						
3093	13	M-203	5/900	59	69- VI	-13 ENDST							
3095	56	M-214	5/900	59	69- VI	-13 ENDST							
3096	108	M-213	5/900	59	69- VI	-13 ENDST							
310 SUB	2683	39 10.0N	70 02.2W	147	69-VIII-10/70- 1	-04			SITE D				
3101	200	M-142	5.27/1800	36	69-VIII-10	ENDST	76-41						
3102	532	M-175	5/1800	62	69-VIII-10	ENDST	76-41						
3103	1044	M-215	5/1800	118	69-VIII-10	ENDST	76-41						
3104	2066	M-204	5.27/1800	119	69-VIII-11	ENDST	76-41						
311 SUR	2685	39 11.2N	70 04.9W	56	69-VIII-10/69-X-06								
3115	56	M-191	5/1800	58	69-VIII-10	ENDST	76-41						
3116	109	M-206	5/1800	57	69-VIII-11	ENDST	76-41						
3118	210	M-220	5.27/1800	57	69-VIII-11	ENDST	76-41						
312 BTM	4088	37 55.4N	70 00.0W	1	69-VIII-13/69-VIII-13				TOP 50M STOLEN SEPT. 11				
3121	3988	M-129	5	0	69-VIII-13	ENDST			ROTOR VALUES MOSTLY ZEROS				
										GULF STREAM BOTTOM MOORING			

TELEMETRY TEST AT SITE L									
313	SUR	5368	33	59.2N	70	02.5W	2	69-VIII-17/69-VIII-19	
314	SUR	5368	34	02.7N	70	02.0W	51	69-VIII-18/69-X-09	76-41
3141		W-169X			5/900	51	69-VIII-18	ENDST	76-41
3143		14	M-198		5/900	51	69-VIII-18	ENDST	76-41
315	SUR	5368	34	01.0N	65	58.3W	51	69-VIII-18/69-X-09	TEST OF ARMORED NYLON, SITE L
316	SUR	2692	39	06.3N	70	01.9W	92	69- X -04/70- 1 -14	2 MONTHS TELEMETRY TEST
317	SUR	2681	39	12.0N	70	02.8W	91	69- X -06/70- 1 -15	SITE D
3171		W-101X			5•27/900	56	69-	-06 ENDST	76-41
3173		13	M-122		5•27/900	62	69-	-06 ENDST	76-41
3174		53	M-212		5•27/900	59	69-	-06 ENDST	76-41
3175		105	M-213		5•27/900	58	69-	-06 ENDST	76-41
3176		207	M-203		5•27/900	58	69-	-06 ENDST	76-41
318	SUR	2545	39	19.7N	70	02.8W	92	69- X -06/70- 1 -09	SITE D
3181		12	M-209		5•27/900	59	69- X -06 ENDST	76-41	
3183		104	M-127		5•27/900	63	69- X -06 ENDST	BAD VANE VALUES	
319	SUR	5370	33	58.0N	70	01.0W	2	69- X -07/09- X -09	MOORING DYNAMICS TEST "L"
3193		14	M-210		5	2	69- X -07 ENDST		
320	SUR	5370	34	01.0N	70	04.0W	143	69- X -10/70-111-02	2 MONTH WIRE ROPE EVALUATION
321	SUB	27	41	30.4N	70	39.0W	14	69- XI -26/69-XII-10	SEWER OUTFALL-FALMOUTH
3211		10	M-220		5•27/225	14	39- XI -26 ENDST		

1970

*MOORING *TYPE *DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
 *DATA *- - - - - *NO. *DEPTH*INSTR. * SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
 * NO. *DEPTH*INSTR. *

322 SUR	2690	39 07.8N	69 57.5W	55 70-	1 -04/70- 11-28	LOST LOWER PART OF MOORING
3221		W-169X	5.27/900	61 70-	1 -04 ENDST	BAD VANE VALUES
3222	11	M-191	5/900	56 70-	1 -04 ENDST	ROTOR FAILS AFTER 3 DAYS
323 SUR	5365	33 58.5N	69 58.5W	125 70-	1 -08/70- V -13	BUOY FREE, MOORING SANK-MARCH
3233	515	M-232	5/1800	86 70-	1 -08 ENDST	NO DATA ON CHANNEL B
3234	1017	M-226	5/1800	125 70-	1 -08 ENDST	77-18
3236	2020	M-206	5/1800	85 70-	1 -08 ENDST	77-18
3237	4205	M-227	5/1800	126 70-	1 -08 ENDST	77-18
324 SUB	2921	31 50.0N	65 15.0W	1 69-VIII-15/69-VIII-16	ANCHOR DROP EXPERIMENT	
325 SUB	2921	31 50.0N	65 15.0W	1 69-VIII-15/69-VIII-16	ANCHOR DROP EXPERIMENT	
326 BTM	4128	37 37.0N	70 33.0W	130 70- II -28/70-VII-08	NORTH/SOUTH BOTTOM ARRAY	
3261	3990	M-142	5.27/1800	131 70- II -27 ENDST	77-18	
3262	4102	M-207	5/1800	129 70- II -28 ENDST	VANE STUCK	
327 BTM	4417	36 46.0N	69 59.0W	130 70- II -28/70-VII-08	NORTH/SOUTH BOTTOM ARRAY	
3272	4209	M-129	5.27/1800	130 70- II -27 ENDST	77-18	
328 BTM	5356	31 01.0N	69 31.0W	124 70- III-03/70-VII-05	NORTH/SOUTH BOTTOM ARRAY	
3281	4210	M-127	5.27/1800	103 70- III-01 ENDST	VANE STUCK	
329 ATM	5424	31 00.0N	70 29.0W	124 70- III-03/70-VII-05	NORTH/SOUTH BOTTOM ARRAY	
3291	4209	M-223	5/1800	124 70- III-03 ENDST	77-18	
330 BTM	5464	28 00.0N	69 57.0W	122 70- III-04/70-VII-34	NORTH/SOUTH BOTTOM ARRAY	
3302	4205	M-225	5/1800	122 70- III-04 ENDST	VANE STUCK	
331 BTM	477	11 32.2N	61 54.2W	37 70- III-1?/70-IV-13	CARIBBEAN INFLOW STUDIES	
3311	225	M-204	5/900	36 70- III-18 ENDST	77-18	
3312	427	M-209	5.27/900	37 70- III-12 ENDST	77-18	

*MOORING - - - - -
 *NO. *TYPE *DEPTH *LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
 *DATA - - - - -
 * NO. *DEPTH*INSIR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

CARIBBEAN INFLOW STUDIES

SCOR WG 21													
AK11 SUR	5180	16	36.9N	32	50.1W	14	70-	111-20/70-	IV-02	*	*	*	*
AK11	46	B-155	900	12	70-	111-20	ENDST						
AK12	50	A-941.	900	6	70-	111-20	ENDST						
AK13	192	LSK	900	12	70-	111-20	ENDST						
AK14	195	M-203	5.27/900	11	70-	111-21	CVDST						
AK15	200	A-8303	900	12	70-	111-20	ENDS I						
AK16	996	P-536	900	12	70-	111-20	ENDST						
AK17	1000	A-9435	900	12	70-	111-20	ENDST						

SCOR WG 21
 AK2 SUR 5190 16 30.2N 32 55.7W 14 70- III-20/70- IV-02
 AK21 46 P-532 900 12 70- III-20 ENDST *
 AK22 50 A-3267 900 12 70- III-20 ENDST *
 AK23 196 B-124 900 12 70- III-20 ENDST *
 AK24 200 A-3323 900 3 70- III-20 ENDST *
 AK25 992 LSK 900 12 70- III-20 ENDST *
 AK26 996 B-153 900 12 70- III-20 ENDST *
 AK27 1000 A-9434 900 12 70- III-20 ENDST *

	SCOR	WG	21	
AK3 SUR	4990 16 35.6N AK31 46 LSK-10 AK32 50 A-9071 AK34 200 A-4242 AK35 204 B-156 AK37 1003 M-213	32 44.2W 900 900 900 900 5.277900	14 12 12 12 12 12	70- 111-21 / 70- IV-02 70- 111-21 ENDST * 70- 111-21 ENDST * 70- 111-21 ENDST * 70- 111-21 ENDST * 70- 111-21 CVDST *
AK4 SUR	5170 16 29.0N	32 46.1W 5.277900	15 12	70- 111-21 / 70- IV-03

AK41	30	A-8332	900	3	-10	-12	ENDS T
AK42	53	M-212	5.27/900	12	-0-	111-21	CVDST
AK43	196	LSK-8	900	12	70-	111-21	ENDS T
AK44	200	A-8348	900	12	70-	111-21	ENDS T
AK45	204	P-534	900	12	70-	111-21	ENDS T
AK46	1000	A-944-J	900	12	70-	111-21	ENDS T
AK47	1004	B-127	900	12	70-	111-21	ENDS T

FOR ACOUSTIC PROPAGATION TEST GND DATA									
SITE L									
3333 BTM	4384	32 04.8N	64 11.6W	20 70- III-27/70- IV-16					
3331	3877	M-175	5/900	20 70- III-27 ENDST					
334 SUR	5270	33 58.0N	69 56.0W	53 70- V -14/70-VII-17					
3342	14	M-238	5.27/900	54 70- V -13 ENDST	77-18				
3344	1017	M-122	5.27/900	50 70- V -13 ENDST	77-18				
3345	2019	M-191	5.27/900	54 70- V -13 ENDST	77-18				
3346	4326	M-240	5.27/900	25 70- V -13 ENDST	77-18				
335 INT	4400	32 08.0N	64 07.5W	46 70- V -17/70-VII-02					
3351	1312	M-175	5.27/900	46 70- V -16 ENDST	77-18				
3354	2346	M-215	5.27/900	46 70- V -17 ENDST	77-18				
336 STM	5370	33 58.5W	69 56.5W	208 70- V -14/70-XII-02					
337 SUR	26	41 26.0N	70 46.0W	1 70- VI -18/70- VI-14					
338 SUR	2322	39 34.5N	69 55.5W	51 70- VI -27/70-VII-17					
3381	W-169X	5.27/900	51 70- VI -27 ENDST	75-7					
3383	12	M-226	5.27/900	38 70- VI -27 ENDST	75-7				
3385	1	M-212	5.27/900	51 70- VI -27 ENDST	75-7				
3386	12	M-173	5.27/900	51 70- VI -27 ENDST	75-7				
3387	2167	M-203	5.27/900	51 70- VI -27 ENDST	75-7				
339 SUR	2682	39 07.6N	70 02.3W	50 70- VI -28/70-VII-17					
3391	W-143X	5.27/900	52 70- VI -27 ENDST	75-7					
3393	12	M-249	5.27/900	52 70- VI -27 ENDST	75-7				
3394	32	M-227	5.27/900	52 70- VI -27 ENDST	75-7				
3395	52	M-225	5.27/900	52 70- VI -27 ENDST	75-7				
3396	72	M-177	5.27/900	53 70- VI -25 ENDST	75-7				
3397	2545	M-206	5.27/900	52 70- VI -27 ENDST	75-7				
340 SUR	2754	39 07.5N	70 35.2W	51 70- VI -27/70-VII-18					
3401	W-101X	5.27/900	51 70- VI -27 ENDST	75-7					
3402	12	M-205	5.27/900	51 70- VI -27 ENDST	75-7				
3403	32	M-248	5.27/900	51 70- VI -27 ENDST	75-7				
3404	52	M-170	5.27/900	51 70- VI -27 ENDST	75-7				
3406	72	M-204	5.27/900	51 70- VI -27 ENDST	75-7				
3407	2623	M-213	5.27/900	51 70- VI -27 ENDST	75-7				

*MOORING - - - -
 *NO. *TYPE *DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
 *DATA - - - -
 * NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

341	SUR	5365	34 01.0N	70 01.0W	44	70- VI -30/70-VIII-14	TEST OF JACKETED DACRON 'L'
342	SUR	5363	34 00.6N	70 02.5W	?	70- VI -30/70-VII -06	RECOVERED ADRIFT SITE L
343	INT	4444	35 58.0N	70 33.0W	58	70-VIII-13/70-X-06	L.F. WAVE CORR. ACROSS GULF STREAM
3432		2263	M-151	5.27/900	48	70-VIII-13 ENDST	77-18
3434		4115	M-240	5.27/900	62	70-VIII-07 ENDST	77-18
344	SUR	5365	33 59.2N	69 59.3W	58	70-VIII-14/70-X-09	WIRE, HARDWARE EVALUATION
345	INT	2527	39 28.5N	70 58.6W	51	70-VIII-18/70-X-06	WAVE MOTION ACROSS GULF STREAM
3451		1504	M-122	5.27/900	49	70-VIII-18 ENDST	77-18
346	BTM	2263	39 35.5N	70 58.0W	115	70-VIII-18/70-XII-11	WAVE MOTION ACROSS SLOPE
3461		2163	M-251	5.27/1800	121	70-VIII-07 ENDST	BAD TIME BASE
347	BTM	876	39 50.2N	70 40.5W	107	70-VIII-19/70-XII-04	WAVE MOTION ACROSS SLOPE
3471		776	M-238	5.27/1800	122	70-VIII-07 ENDST	77-18
348	BTM	977	39 50.2N	70 57.0W	48	70-VIII-19/70-X-06	INTERNAL WAVES ON THE SLOPE
3481		975	M-142	5.27/900	60	70-VIII-07 ENDST	77-18
3482		982	M-191	5.27/900	48	70-VIII-19 ENDST	77-18
349	BTM	943	39 50.6N	70 56.2W	48	70-VIII-19/70-X-06	INTERNAL WAVES ON THE SLOPE
3491		846	M-175	5.27/900	60	70-VIII-07 ENDST	77-18
3492		933	M-145	5.27/900	47	70-VIII-19 ENDST	77-18
3493		941	M-129	5.27/900	48	70-VIII-19 ENDST	VANE MECHANICALLY STUCK
350	BTM	993	39 49.6N	70 56.0W	107	70-VIII-19/70-XII-04	INTERNAL WAVES ON SLOPE
3501		888	M-225	5.27/1800	72	70-VIII-19 ENDST	77-18
3502		990	M-234	5.27/1800	89	70-VIII-19 ENDST	77-18
351	BTM	2150	39 36.6N	71 15.0W	114	70-VIII-19/70-XII-11	WAVE MOTION ACROSS SLOPE
3511		2052	M-215	5.27/1800	114	70-VIII-19 ENDST	77-18

352	BTM	2509	39 23.0 3.N	71 01.4W	47	70-	X -06/70-XII-11				
3521		2394	M-213	5.27/000	59	70-	X -06	ENDST	77-18		
353	ATM	4436	35 58.0N	70 35.0W	62	70-	X -08/70-XII-07				
3531		4121	M-206	5.27/900	59	70-	X -08	ENDST	77-18		
354	ATM	5368	34 02.5N	69 59.2W	207	70-	X -09/71-V -74				
3541		5284	M-255	5.27/3600	128	70-	X -09	ENDST			
355	SUR	5361	34 02.3N	69 54.5W	59	70-	X -09/70-XII-07				
356	SUR	5374	33 48.0N	70 12.0W	?	70-	XII-08/LCST				
357	INT	4425	35 58.9N	70 36.8W	148	70-	XII-09/71-V -76				
3571		2056	M-226	5.27/1800	148	70-	XII-09	ENDST			
3574		3066	M-212	5.27/1800	148	70-	XII-09	ENDST	77-18		
3575		4047	M-227	5.27/1800	148	70-	XII-09	ENDST	77-18		
358	INT	2680	39 07.4N	70 03.0W	137	70-	XII-11/71-Iv-27				
3581		1466	M-204	5.27/1800	138	70-	XII-11	ENDST			
3584		1976	M-240	5.27/1800	77	70-	XII-11	ENDST			
3585		2495	M-205	5.27/1800	138	70-	XII-11	ENDST	77-18		

WAVE CORR. ACROSS GULF STREAM
WAVE CORR. ACROSS GULF STREAM

WAVE CORR. ACROSS GULF STREAM
WAVE CORR. ACROSS GULF STREAM

6 MONTH CORROSION TEST
WATER IN INSTRUMENT, NO ROTOR

FISHRITE TEST
WIRE TEST

ARRAY WITH 358
COMPASS STUCK

ARRAY WITH 357
COMPASS STUCK

SITE J

SITE D

*NO.	*TYPE	*DEPTH	*LATITUDE*	LONG.	*DAYS*	SET	/RECOVERED	*REPORT*	COMMENTS
* DATA	* NO.	* DEPTH	* INSTR.	* SAMPLING	* DAYS*	DATA START*	VARIABLES*	REPORT*	COMMENTS
359	BTM	3528	37 16.0N	71 52.0W	139	70- XII-12/71- IV-30		GULF STREAM ARRAY VANE BIT PROBLEMS	
3591		3325	M-122	5.27/1800	139	70- XII-12	ENDST		
360	BTM	4230	36 23.0N	71 15.0W	141	70- XII-13/71- V -03		GULF STREAM ARRAY	
3601	BTM	3697	M-191	5.27/1800	141	70- XII-12	ENDST	77-18	2 MONTHS WITH NO SPEEDS
3602	BTM	4C19	M-203	5.27/1800	142	70- XII-12	ENDST	77-18	
361	BTM	3950	37 59.5N	69 27.0W	0	70- XII-14/70-XII-14		NYLON PARTED	
362	BTM	3940	38 02.0N	69 24.0W	0	70- XII-14/70-XII-14		NYLON PARTED	
363	BTM	4117	38 23.8N	68 18.7W	145	70- XII-14/71- V -08		GULF STREAM, CM CASE CRUSHED	
364	BTM	4915	36 57.5N	67 53.2W	144	70- XII-14/71- V -07		GULF STREAM ARRAY	
3641	BTM	4712	M-249	5.27/1800	148	70- XII-14	ENDST	77-18	
365	BTM	4465	36 58.8N	69 10.5W	143	70- XII-15/71- V -07		GULF STREAM ARRAY	
3651	BTM	3933	M-172	5.27/1800	123	70- XII-19	ENDST	ROTOR FAILS DEC 29	
3652	BTM	4255	M-175	5.27/1800	31	71- II -12	ENDST	INSTRUMENT SHORTED OUT FEB 16	
366	BTM	4371	36 45.0N	70 17.0W	142	70- XII-15/71- VI -06		GULF STREAM ARRAY	
357	BTM	3995	37 40.0N	70 42.0W	?	70- XII-16/ Lrst		GULF STREAM ARRAY	
368	BTM	3955	37 57.6N	69 27.5W	143	70- XII-16/71- V -08		GULF STREAM ARRAY	
3681	BTM	3750	M-127	5.27/1800	143	70- XII-16	ENDST	77-18	

1971

*MOORING - - - - - *NO. *TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET - - - - - /RECOVERED *REPORT* COMMENTS
 *DATA - - - - - *NO. *DEPTH*INSTR. * SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

369 8 TM	5817	22 48.2N	66 28.8W	122	71-	1 -21/71- V -23	ANTILLES RIDGE
3691	5616	M-259	5.27/1800	122	71-	1 -21 ENDST	CORROSION CAUSED ROTOR FAILURE
3692	5801	M-260	5.27/1800	122	71-	1 -21 ENDST	ROTOR MISSING 22 DAYS IN MIDDLE
370 8 TM	5402	22 14.6N	67 18.3W	121	71-	1 -22/71- V -23	ANTILLES RIDGE
3701	5201	M-129	5.27/1800	87	71-	1 -23 ENDST	SHORT-TAPE ADVANCE PROBLEMS
3702	5386	M-173	5.27/1800	121	71-	1 -22 ENDST	VANE STICKY
371 9 TM	5325	21 16.0N	68 01.0W	118	71-	1 -24/71- V -2?	ANTILLES RIDGE
3711	5309	M-257	5.27/1800	118	71-	1 -24 ENDST	ROTOR FAILS AFTER 7 DAYS
372 8 TM	100	00 22.4S	160 01.8W	?	71-	1 V -08/ LOST	EQUATORIAL UNDERCURRENT
373 SUR	4441	1 03.5N	50 31.7W	162	71-	1 V -13/71- XI-22	TOROID DRIFTED, MOORING SANK MAY 7
3731	1;	M-215	5.27/1800	116	71-	1 V -12 ENDST	NO ROTOR. RETURNED BY JAPANESE
3732	102	M-206	5.27/1800	91	71-	1 V -12 ENDST	DATA ON CHANNEL A ONLY
3733	2004	M-177	5.27/1800	142	71-	1 V -12 ENDST	NO ROTOR
374 SUR	4451	00 01.1N	149 55.1W	7	71-	1 V -16/71- IV-23	EQUATORIAL UNDERCURRENT
375 SUR	4647	1 03.5S	50 01.7W	155	71-	1 V -18/71- IX-20	EQUATORIAL UNDERCURRENT
3752	3100	M-142	5.27/1800	147	71-	1 V -30 ENDST	77-56
376 8 TM	2423	01 06.1N	150 00.9W	?	71-	1 V -25/ LCST	EQUATORIAL UNDERCURRENT

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*MOORING *NO.*TYPE*DEPTH*LATITUDE* LONG.* DAYS* SET /,ECOVERED *REPORT* COMMEN*
*DATA * NO.*DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMEN*

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EVALUATION OF VACM SITE D										EVALUATION OF VACM SITE D										EVALUATION OF VACM SITE L																																																																						
377 SUR					2665 39 08.0N					70 00.3W					27 71- IV -27/71- V -24					71- IV -28 ENDST 77-56					VECTOR AVERAGING CURRENT METER?																																																																	
3772	8	V-101	5.27/900	26	71- IV -28	ENDST	77-56	3773	10	M-198	5.27/900	28	71- IV -27	ENDST	77-56	3774	12	V-172	5.27/900	26	71- IV -27	ENDST	77-56	3775	21	M-26.8	5.27/900	28	71- IV -27	ENDST	77-56																																																											
378 SUR	..665	39 07.7V	69 59.6W	27	71- IV -27/71- V -24			3781	W-101X	5.27/900	29	71- IV -27	ENDST	77-56	3783	8	V-103	5.27/900	26	71- IV -28	ENDST	77-56	3784	10	M-269	5.27/900	28	71- IV -27	ENDST	77-56	3785	12	V-104	5.27/900	26	71- IV -28	ENDST	77-56																																																				
379 SUR	2662	39 08.6V	69 59.7W	91	71- IV -28/71-VII-28			3791	W-143X	5.27/1800	90	71- IV -28	ENDST	77-56	3793	15	M-270	5.27/1800	92	71- IV -28	ENDST	77-56	3794	107	M-207	5.27/1800	41	71- IV -28	ENDST	77-56	3795	509	M-213	5.27/1800	92	71- V -03	ENST	77-56	3796	1011	M-250	5.27/1800	84	71- V -02	ENDST	77-56																																												
380 SUR	4160	37 19.5N	70 21.5W	2	71- IV -30/71- V -22			3803	47	M-226	5.27/450	2	71- IV -30	ENDST	77-56	380.10	2002	M-256	5.27/450	2	71- IV -30	ENDST	77-56	380.14	4100	M-261	5.27/450	2	71- IV -30	ENDST	77-56	381 SUR	5375	33 57.0N	69 57.5W	184	71- V -04/71- XI-04			382 INT	4445	35 58.9V	70 30.5W	87	71- V -06/71-VIII-1			3821	2072	M-264	5.27/1800	88	71- V -06	ENDST	77-56	3822	3041	M-265	5.27/1800	88	71- V -06	ENDST	77-56	3824	4019	M-271	5.27/1800	88	71- V -06	ENDST	77-56	383 RTM	4803	39 52.0N	48 32.0W	91	71- V -09/71-VIII-08			• J •									WATER IN CASE, NO ROTOR	UNDER GULF STREAM

384	B TM	3578	32 58.4N	136 35.2E	108	71- VII-18/71-X-04		KUROSHIO CURRENT STUDY
3841	3423	M-261	5.27/1800	67	71- VII-08	ENDST	77-56	
385	B TM	1211	32 46.9N	134 41.0E	106	71- VI-19/71-X-03		KUROSHIO CURRENT STUDY
3851	1059	M-273	5.27/1800	108	71- VI-16	ENDST	77-56	
386	B TM	1055	32 58.3N	134 17.8E	?	71- VI-26/ LCST		KUROSHIO CURRENT STUDY
387	B TM	2236	31 29.9N	132 29.2E	97	71- VII-06/71-X-02		KUROSHIO CURRENT STUDY
3871	2086	M-274	5.27/1800	77	71- VII-06	ENDST		
388	B TM	5005	37 45.0N	64 28.8W	32	70- VI-29/71-VII-31		GULF STREAM, KELVIN SEAMOUNT
3881	4805	M-122	5.27/900	33	70- VI-28	ENDST	77-56	
389	B TM	4996	37 57.0N	64 40.5W	32	71- VI-29/71-VII-31		GULF STREAM, KELVIN SEAMOUNT
3891	4796	M-191	5.27/900	33	71- VI-28	ENDST	77-56	
390	B TM	5000	38 10.0N	64 49.0W	32	71- VI-29/71-VII-30		GULF STREAM, KELVIN SEAMOUNT
3901	5000	M-203	5.27/900	33	71- VI-28	ENDST	77-56	
391	B TM	493	38 23.7N	65 00.0W	32	71- VI-29/71-VII-30		GULF STREAM, KELVIN SEAMOUNT
3911	4931	M-205	5.27/900	33	71- VI-28	ENDST	77-56	
392	B TM	4870	38 35.0N	65 10.0W	32	71- VI-29/71-VII-30		GULF STREAM, KELVIN SEAMOUNT
3921	4640	M-272	5.27/900	33	71- VI-28	ENDST	77-56	
393	B TM	4810	38 48.0N	65 21.9W	32	71- VI-30/71-VII-30		GULF STREAM, KELVIN SEAMOUNT
3931	4610	M-276	5.27/900	33	71- VI-28	ENDST	77-56	
394	B TM	4780	39 00.0N	65 31.2W	31	71- VI-28/71-VII-30		GULF STREAM, KELVIN SEAMOUNT
3941	4580	M-277	5.27/900	33	71- VI-23	ENDST		SITE D ARRAY
395	SUR	2428	39 31.6N	69 59.1W	45	71- VII-27/71-VII-10		
3951		W-101X	5.27/1800	42	71- VII-28	ENDST	77-56	
3952	3	0-003	3600	44	71- VII-27	TT		TERMGRAPH
3954	1014	M-204	5.27/1800	48	71- VII-27	ENDST	77-56	

*#MOORING *NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SFT /RECOVERED *REPORT* COMMENTS
*DATA *NO.*DEP*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

396	SUR	2738	39 08.8N	70 07.4W	46	71- VIII-27/71-IX-11		SITE D ARRAY
3961		W-255X	5.27/1800	43	71- VIII-29	ENDST	77-56	THERMOGRAPH
3962	3	0-004	3600	44	71- VIII-28	TT		
3963	12	M-249	5.27/1800	48	71- VIII-27	ENDST	77-56	THERMOGRAPH
397	SUR	2655	39 08.8N	69 56.5W	45	71- VIII-28/71-IX-11		SITE D ARRAY
3972	3	0-002	3600	45	71- VIII-28	TT		THERMOGRAPH
3973	12	M-212	5.27/1800	47	71- VIII-27	ENDST	77-56	ROTOR FAILS
3974	1014	M-173	5.27/1800	47	71- VIII-28	ENDST	77-56	
3975	2518	M-226	5.27/1800	48	71- VIII-27	ENDST	77-56	
398	SUR	2660	39 08.7N	69 59.9W	88	71- VIII-28/71-X-24		MOORING PARTED AUG 24
3982	3	0-001	3600	26	71- VIII-29	TT		THERMOGRAPH
3983	12	V-102	900	5	71- VIII-26	ENDST	77-56	ROTOR FAILURE
3985	1006	M-269	5.27/1800	62	71- VIII-29	ENDST	77-56	
3986	2006	M-257	5.27/1800	88	71- VIII-28	ENDST	77-56	
3987	2508	M-266	5.27/1800	88	71- VIII-28	ENDST	77-56	
399	SUR	2977	39 10.6N	69 15.0W	8	71- VIII-29/71-VIII-06		MOORING PARTED, 4 KNOT CURRENT
3993	2	G-T459	3600	7	71- VIII-29	TT		THERMOGRAPH
3994	9	M-198	5.27/1800	7	71- VIII-29	ENDST	77-56	NO TEMP, GOOD DIRECTION-SPEED
3995	1011	M-129	5.27/1800	8	71- VIII-29	ENDST	77-56	NO ROTOR
400	INT	4447	35 56.8N	70 25.8W	167	71- VIII-01/71-XII-15		
4001	2037	M-227	5.27/1800	89	71- VIII-30	ENDST	77-56	
4004	4003	259	5.27/1800	32	71- IX-19	ENDST	77-56	
401	SUB	5363	33 58.4N	69 59.9W	84	71-VIII-03/71-X-27		TEST OF POLYCARBONATED WIRE
402	SUR	2754	39 00.3N	70 07.0W	37	71-VIII-05/71-IX-11		SITE D ARRAY
4021	3	G-T463	3600	7	71-VIII-05	TT		THERMOGRAPH
4022	12	M-127	5.27/1800	46	71- VII-28	ENDST	77-56	ROTOR CAGE PULLED APART
4023	1014	M-172	5.27/1800	18	71- IX-05	ENDST	77-56	FAILED TO SWITCH CHANNELS

403 SUR	4465	35 55.5N	70 16.5W	51 71-	X -25/71-X11-15	ENGINEERING MOORING SITE J
404 BTM	5368	34 01.0N	70 00.8W	388 71-	X -26/72-X1-07	ENGINEERING CORROSION TEST
4041	5270	M-213	5.27/3600	330 71-	X -26 ENDST	77-56 LEAKED MARCH 31, NO ROTOR
405 SUR	5315	33 59.5N	70 06.1W	109 71-	X -26/72- II-12	ENGINEERING MOORING
406 SUR	5460	27 59.8N	70 00.3W	101 71-	X -29/72- II-07	SMOOTH TOPOGRAPHY MODE
4063	514	M-264	5.27/1800	30 71-	X -30 ENDST	78-5 SWORDFISH BILL STUCK, NO ROTOR
4064	816	M-271	5.27/1800	105 71-	X -28 ENDST	78-5
4065	1518	V-103	5.900	108 71-	X -29 ENDST	78-5
4066	1620	M-205	5.27/1800	109 71-	X -28 ENDST	78-5
4067	4003	M-240	5.27/1800	50 71-	X -30 ENDST	78-5
4068	4202	M-281	5.27/1800	100 71-	X -30 ENDST	78-5
407 SUR	5460	28 00.4N	70 20.6W	102 71-	X -30/72- II-09	SMOOTH TOPOGRAPHY MODE
4071	514	M-207	5.27/1800	116 71-	X -20 ENDST	78-5
4072	1516	M-174	5.27/1800	108 71-	X -28 ENDST	78-5
4073	4001	M-272	5.27/1800	102 71-	X -30 ENDST	78-5
408 INT	5470	27 49.0N	70 08.8W	102 71-	X -30/72- II-09	SMOOTH TOPOGRAPHY MODE
4081	1503	M-149	5.27/1800	115 71-	X -21 ENDST	78-5 ROTOR QUESTIONABLE
409 INT	5465	28 01.5N	70 06.8W	102 71-	X -30/72- II-09	SMOOTH TOPOGRAPHY MODE
4091	1522	M-212	5.27/1800	105 71-	X -30 ENDST	78-5
4092	4028	M-250	5.27/1800	101 71-	X -31 ENDST	78-5
410 INT	5460	28 21.5N	69 41.5W	101 71-	X -31/72- II-09	SMOOTH TOPOGRAPHY MODE
4101	1504	M-122	5.27/1800	104 71-	X -29 ENDST	78-5
4102	4008	M-277	5.27/1800	100 71-	X -31 ENDST	78-5
411 INT	5427	28 00.7N	69 31.3W	99 71-	X -31/72- II-07	SMOOTH TOPOGRAPHY MODE
4111	1476	M-265	5.27/1800	14 71-	X11-13 ENDST	78-5 DID NOT SWITCH CHANNELS
4112	3981	M-191	5.27/1800	105 71-	X -28 ENDST	INTERMITTENT ROTOR
412 INT	5455	28 00.2N	69 41.5W	99 71-	X -31/72- II-07	SMOOTH TOPOGRAPHY MODE
4121	1502	M-129	5.27/1800	112 71-	X -21 ENDST	78-5 NO DATA AFTER DEC 24
4123	4005	M-225	5.27/1800	105 71-	X -29 ENDST	PROGRESSIVE ELECTRONIC FAILURE

*MOORING
*NO.*TYPE*DEPTH*LATITUDE* LONG.* #DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA
* NO.*DEPTH*INSTR.* SAMPLING *#DAYS*DATA START* VARIABLES*REPORT* COMMENTS

1972

*MOORING - - - - -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
* DATA - - - - -
* NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* - - - - -

422	INT	2724	39 02.3N	70 02.1W	108	72-	11-01/72-	V -1C	SLOPE ARRAY
4221		1027	M-257	5.27/1800	114	72-	1 -26	ENDST DC	
4222		2495	M-274	5.27/1800	108	72-	1 -31	ENDST DC	
423	INT	2729	39 10.5N	70 33.3W	108	72-	11-01/72-	V -19	SLOPE ARRAY
4231		1017	M-270	5.27/1800	110	72-	1 -31	ENDST DC	
4232		2001	M-273	5.27/1800	110	72-	1 -31	ENDST DC	
424	SUR	5254	28 09.1N	68 36.8W	112	72-	11-06/72-	V -28	MODE
4242		1519	M-175T	5.27/1800	120	72-	1 -26	ENDST 78-5	
4243		4074	M-127T	5.27/1800	170	72-	1 -26	ENDST 78-5	
4244		5131	M-206T	5.27/1800	120	72-	1 -26	ENDST 78-5	
425	SUR	5462	28 00.8N	69 39.8W	?	72-	11-08/	LCST	MODE
426	BTM	1756	17 36.6N	65 15.1W	39	72-	111-17/72-	IV-25	CARIBBEAN OVERFLOW
4261		1704	M-122T	5.27/450	40	72-	111-16	ENLST	NO COMPASS VALUES
4262		1746	M-129T	5.27/450	7	72-	111-16	ENDST	INSTRUMENT FAILED AFTER 7 DAYS
427	BTM	1809	17 35.3N	65 14.6W	39	72-	111-17/72-	IV-25	CARIBBEAN OVERFLOW
4271		1741	M-174T	5.27/450	40	72-	111-16	ENDST	VANE STUCK AFTER APRIL 14
4272		1791	M-212T	5.27/450	40	72-	111-16	ENDST	
428	SUR	2640	39 12.7N	69 58.2W	0	72-	111-12/72-111-12		TEST FAKING BOX DEPLOYMENT

437 BTM 4371	5477 37 00.0N 5217 M-238	49 44.2W 5.27/900	59 72- IV -03/ 72- VI-0C 20 72- IV -03 ENDST DC	CURRENTS UNDER GULF STREAM
438 BTM 4381	5421 37 30.6N 5161 M-225	49 44.4W 5.27/900	58 72- IV -08/ 72- VI-06 60 72- IV -06 ENDST DC	CURRENTS UNDER GULF STREAM
439 BTM 4391	5412 37 59.6N 5152 M-240	49 45.9W 5.27/900	58 72- IV -09/ 72- VI-06 66 72- III-31 ENDST	CURRENTS UNDER GULF STREAM VANE VERY STICKY
440 BTM 4401	5419 38 17.6N 5159 M-256	49 46.6W 5.27/900	56 72- IV-10/ 72- VI-05 66 72- III-31 ENDST DC	CURRENTS UNDER GULF STREAM
441 BTM 4411 4412	5419 38 39.0N 4600 M-226 5159 V-01117	49 47.3W 5.27/900 900	156 72- IV -10/ 72- VI-05 60 72- IV -06 ENDST DC 56 72- IV -10 ENDST DC	CURRENTS UNDER GULF STREAM
442 BTM 4421 4422	5416 39 00.0N 4597 M-205 5156 V-0113	49 46.0W 5.27/900 3600	56 72- IV -10/ 72- VI-05 59 72- IV -06 ENDST DC 55 72- IV -10 ENDST DC	CURRENTS UNDER GULF STREAM
443 BTM 4431 4432	5416 39 23.2N 4597 M-271 5156 V-0116	49 46.1W 5.27/900 900	55 72- IV -10/ 72- VI-04 59 72- IV -06 ENDST DC 70 72- IV -04 ENDST DC	CURRENTS UNDER GULF STREAM
444 BTM 4441 4442	5413 39 40.3N 4594 M-266 5153 V-0120	49 41.8W 5.27/900 900	54 72- IV -11/ 72- VI-04 64 72- III-31 ENDST DC 54 72- IV -10 ENDST DC	CURRENTS UNDER GULF STREAM VANE STUCK AFTER MAY 13
445 BTM 4451	5348 40 03.3N 5124 M-277	49 46.8W 5.27/900	53 72- IV -11/ 72- VI-03 64 72- III-31 ENDST DC	CURRENTS UNDER GULF STREAM 23 DAYS OF ROTOR
446 BTM 4461	4244 40 33.5N 3983 M-281	49 45.0W 5.27/900	53 72- IV -11/ 72- VI-02 64 72- III-31 ENDST	CURRENTS UNDER GULF STREAM ELECTRICAL PROBLEMS
447 BTM 4471	3683 41 00.2N 3422 M-264	49 46.0W 5.27/900	52 72- IV -12/ 72- VI-02 63 72- III-31 ENDST DC	CURRENTS UNDER GULF STREAM

456	INT	2998	33 42.0N	62 35.5W	147	72-	V -31/72- X -25	MUIR SEAMOUNT
4561		2015	M-122T	5.27/1800	148	72-	V -30 ENDSTT	DC
4563		2898	M-129	5.27/1800	69	72-	V -31 ENDSTT	QUESTIONABLE DATA
457	INT	4817	33 41.4N	62 51.9W	?	72-	V -31/ LCST	MUIR SEAMOUNT
458	INT	2263	39 36.6N	70 00.2W	147	72-	VII-11/72-XII-05	L.F. CURRENT VARIABILITY
4581		1963	V-0138	900	147	72-	VII-11 ENDSTT	NO ROTOR 1-BIT MODIFICATION
4582		2163	V-0120	900	163	72-	VII-08 ENDSTT	VANE STUCK
459	BTM	2709	39 09.9N	70 14.5W	150	72-	VII-11/72-XII-08	L.F. CURRENT VARIABILITY
4591		2607	V-0107	900	61	72-	VII-14 ENDSTT	TOO MANY ROTOR ZERO'S
460	BTM	2664	39 09.8N	70 03.9W	150	72-	VII-11/72-XII-08	L.F. CURRENT VARIABILITY
4601		2364	V-0135	900	160	72-	VII-11 ENDSTT	VANE STUCK
4602		2564	V-0117	900	221	72-	VII-14 ENDSTT	VANE STUCK
461	ATM	2669	39 07.2N	70 00.0W	0	72-	VII-11/ LCST	L.F. CURRENT VARIABILITY
462	INT	501	39 54.7N	70 46.4W	21	72-	VII-15/72-VIII-05	INTERNAL WAVE PROPAGATION
4623		59	V-0112	56.25	23	72-	VII-15 ENDSTT	DC
4624		84	V-0113	56.25	20	72-	VII-15 ENDSTT	DC

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* MOURING          - - - - - *TYPEF*DEPTH*LATITUDE* LONG. *DAYS* SET      /RECOVERED *REPORT* COMMENTS
*NN.               - - - - - *DATA*           - - - - - *NC* *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* DATA            - - - - - *NC*           - - - - - *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* NC              - - - - - *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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SCOR WG 21									
463 SUR	2646	39 13.0N	70 03.0W	11	72-VIII-24/72-	I X-04			
4634	47	V-0112	56.25	16	72-VIII-21	ENDST	*		
4635	48	LSK#20	900	11	72-VIII-24	ENDST	*		
4636	49	1246	900	9	72-VIII-24	DST	*		
4637	53	M-277	3600	11	72-VIII-24	ENDST	*		
4638	197	V-0126	56.25	11	72-VIII-24	ENDST	*		
4639	198	LSK#17	900	11	72-VIII-24	ENDST	*		
463*10	199	1250	900	9	72-VIII-24	DST	*		
463*11	203	M-238	5.27/900	12	72-VIII-23	ENDST	*		
463*13	999	V-0113	56.25	14	72-VIII-23	ENDST	*		
463*14	1000	LSK#0	900	11	72-VIII-24	ENDST	*		
463*15	1001	1255	900	4	72-VIII-24	CST	*		
463*16	1005	M-273	3600	11	72-VIII-24	ENDST	*		

SCNR	WG	NUMBER	SCIENCE	TECHNICAL	DATED
4644	INT	2649	39 12.7N	70 02.7W	11 72-VIII-24/72-IX-04
4642	161	V-0111	3600	10 72-VIII-24	EINSTRI *
4643	163	LSK#16	900	10 72-VIII-24	ENGST *
4644	202	#1251	900	10 72-VIII-24	LST *
4645	206	M-274	5.27/900	12 72-VIII-23	EINST *
4647	1002	V-0133	3600	10 72-VIII-24	FNGSTR *
4648	1006	1260	900	10 72-VIII-24	LST *
4649	1010	M-266	5.27/900	12 72-VIII-23	EINST *

INTERNAL WAVE PROPAGATION
465 INT 2756 38 59.0N 70 00.0W 103 72-VIII-29/72-XI-10
4651 985 M-206T 5.27/1800 107 72-VIII-29 FNUSTT DC

					INTERNAL	WAVE	PROPAGATION
4661 INT	2746	39 09.2N	70 30.8W	101	72-VIII-29/72-XII-08		
4661	983	N-272	5.27/1800	107	72-VIII-29	ENDST	DC
4662	1980	N-264	5.27/1800	107	72-VIII-29	ENDST	DC

ABORTED-FAKING BOX FAILURE

467	SUR	2655	39 11.0N	65 59.3W	0	72-VIII-31/72-VIII-31
468	INT	2666	39 10.0N	70 02.8W	99	72- IX -04/72-XI-12
4683	2364	M-257	5.27/1800	100	72-VIII-31	EVDST
4684	2564	M-191	5.27/1800	59	72- IX -04	FVDST
469	INT	5462	28 02.9N	69 36.4W	6	72- X -28/72- XI-03
4691	537	V-0126	28.125	17	72-	X -22 ENDST
4695	1057	V-0136	14.0625	22	72-	X -22 ENDST
4696	1564	V-0133	28.125	17	72-	X -22 ENDST
4699	2518	V-0137	28.125	17	72-	X -22 ENDST
469.12	3514	V-C139	28.125	5	72-	X -29 ENDST
470	BTM	5462	28 02.3N	69 34.6W	7	72- X -28/72- XI-04
4701	5570	IP#10	30	6	72-	X -29 TPT
471	BTM	5462	28 05.0N	69 36.4W	7	72- X -28/72- XI-04
4711	5403	IP#C9	30	6	72-	X -29 TPT
472	BTM	5462	28 02.8N	69 38.8W	7	72- X -29/72- XI-04
4721	5471		30	6	72-	X -29 TPT

MOORING DYNAMICS
TEMPERATURE/PRESSURE RECORDER

470	81N	5462	28 02.3N	69 34.6W	7	72-	X	-28/72-	XI-04
4701	5570	TP#10		30	6	72-	X	-29	TPT
471	81M	5462	28 05.0N	69 36.4W	7	72-	X	-28/72-	XI-04
4711	5403	TP#C9		30	6	72-	X	-29	TPT
472	81M	5462	28 02.8N	69 38.8W	7	72-	X	-29/72-	XI-04
4721	5471			30	6	72-	X	-29	TPT

* MOORING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* TYPE	* DEPTH	* LATITUDE*	* LONG.	* DAYS*	SET	/RECOVERED	* REPORT*	COMMENTS	-	-	-	-	-	-	-	*
* DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
* NO.	* DEPTH	* INSTR.	* SAMPLING	* DAYS	* DATA	START*	VARIABLES*	REPORT*	COMMENTS	-	-	-	-	-	-	-	*
473	INT	5261	28 10.7N	68 36.1W	132	72-	X	-30/73-111-11	MODE								
4732		370	M-173	5.27/1800	47	72-	X	-31	ENDST	78-5	ROTOR INTERMITTANT	AFTER DEC 17					
4734		1385	M-249	5.27/1800	132	72-	X	-30	ENDST	78-5							
4735		3180	M-281	5.27/900	132	72-	X	-30	ENDST	78-5	EXTRA COUNTS	IN EACH ROTOR VALUE					
474	INT	5462	28 01.4N	69 39.4W	126	72-	XI	-04/73-111-10	MODE								
4742		583	M-227	5.27/1800	126	72-	XI	-04	ENDSTR	78-5							
4743		1595	M-259	5.27/1800	157	72-	X	-16	ENDST	78-5							
4744		4105	M-276	5.27/1800	126	72-	XI	-04	ENDST	78-5							
475	RTM	2687	39 06.5N	70 04.2W	5	72-	XII	-05/72-XII-10	TRANSPOUNDER TEST								
476	INT	2685	39 04.4N	69 58.7W	1	72-	XII	-06/72-XII-36	TEST FAKING BOX LAUNCH								
477	INT	2653	39 09.9N	70 00.6W	108	72-	XII	-08/73-111-26	FAKING BOX LAUNCH								
4772		200	M-274	5.27/1800	107	72-	XII	-09	ENDST	DC							
4774		2002	M-240	5.27/1800	111	72-	XII	-06	ENDST	DC							
4775		2552	M-265	5.27/1800	107	72-	XII	-08	ENDST	DC							
478	INT	2742	39 09.9N	70 30.3W	110	72-	XII	-09/73-111-29	FAKING BOX LAUNCH								
4781		991	M-238	5.27/1800	112	72-	XII	-08	ENDST	DC							
4782		1991	M-271	5.27/1800	108	72-	XII	-10	ENDST	DC							
479	INT	2558	39 23.0N	69 59.5W	106	72-	XII	-10/73-111-26	FAKING BOX LAUNCH								
4791		1009	M-277	5.27/1800	109	72-	XII	-09	ENDST	DC							
4792		2028	M-266	5.27/1800	108	72-	XII	-09	ENDST	DC							

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*NO.	*TYPE	*DEPTH	*LATITUDE	*LONG.	*DAYS*	SET	/RECOVERED	*REPORT*	COMMENTS	-	-	-	-	-	-	*
*DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* NO.	*DEPTH	*INSTR.	* SAMPLING	*DAYS*	DATA	START*	VARIABLES*	REPORT*	COMMENTS	-	-	-	-	-	-	*
480	INT	5462	28 03.8N	69 39.0W	?	73-	111-10/	LOST		MODE						
481	INT	5462	27 59.8N	69 39.0W	116	73-	111-10/73-VII-04			MODE						
4811		499	V-0140	900	146	73-	111-21	ENDST	76-101							
4812		501	V-0112	900	115	73-	111-11	ENDSRTT	76-101							
4813		595	V-0110	900	115	73-	111-11	ENDSRTT								
4814		602	TP#07	960	112	73-	111-12	TPT	76-101							
4815		600	V-0115	900	115	73-	111-11	ENDSRTT								
4816		803	TP#05	960	111	73-	111-12	TPT	76-101							
4817		1002	TP#46	960	111	73-	111-12	TPT	76-101							
4318		1202	TP#58	960	111	73-	111-12	TPT	76-101							
4819		1496	V-0182	900	139	73-	111-27	ENDSRTT	76-101							
481.12		2996	V-0114	900	146	73-	111-24	ENDSRTT	76-101							
481.15		4006	M-218	5.27/900	116	73-	111-10	ENDST	76-101							
481.18		5358	M-221	5.27/900	115	73-	111-11	ENDST	76-101							
482	INT	5239	28 09.3N	68 39.3W	106	73-	111-12/73- VI-26			MODE						
4821		497	V-0121	900	103	73-	111-12	ENDST	76-101							
4822		548	TP#15	960	102	73-	111-13	TPT	76-101							
4823		796	V-0130	900	102	73-	111-14	ENDST	76-101							
4825		1496	V-0135	900	141	73-	111-25	ENDST	76-101							
4826		3C0C	V-0126	900	141	73-	111-25	ENDST	76-101							
4827		400C	V-C105	900	141	73-	111-25	ENDST	76-101							

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*MOCRING		#NO.		*TYPE*DEPTH*LATITUDE*		LONG.*		*DAYS*		SET		/RECOVERED		*REPORT*		COMMENTS	
*DATA		*NO.		*DEPTH*INSTR.*		SAMPLING		*DAYS*DATA		START*		VARIABLES		*REPORT*		COMMENTS	
483	INT	5192	29	02.3N	68	13.8W	113	73-	111-12/73-VII-03			MODE					
4831	499	V-0113	900		142		73-	111-21	ENDSTT			76-101					
4832	601	TP#43	960		109		73-	111-14	TPT			76-101					
4833	813	V-C175	900		135		73-	111-26	ENDSTT			76-101					
4834	816	TP#44	960		109		73-	111-14	TPT			76-101					
4835	1498	V-C117	900		137		73-	111-25	ENDSTT			76-101					
4836	2998	V-C107	900		142		73-	111-21	ENDSTT			76-101					
4837	3994	V-0177	900		142		73-	111-21	ENDSTT			76-101					
4838	5093	TP#11	960		109		73-	111-14	TPT			76-101					
484	INT	5151	27	25.1N	67	59.5W	112	73-	111-13/73-VII-03			MODE					
4841	513	V-0106	900		19		73-	111-13	ENDSTT			76-101					
4842	615	TP#50	900		108		73-	111-15	TPT			76-101					
4843	813	V-0175	900		135		73-	111-26	ENDSTT			76-101					
4844	816	TP#45	960		108		73-	111-15	TPT			76-101					
4846	3009	V-0181	900		137		73-	111-25	ENDSTT			76-101					
4847	4009	V-C185	900		134		73-	111-27	ENDSTT			76-101					
485	INT	5420	26	23.8N	69	21.0W	111	73-	111-13/73-VII-02			MODE					
4851	509	V-0178	900		140		73-	111-25	ENDSTT			76-101					
4852	611	TP#39	960		107		73-	111-15	TPT			76-101					
4853	809	V-0155	900		132		73-	111-03	ENDSTT			76-101					
4854	1010	TP#57	960		21		73-	111-15	TPT			76-101					
4855	1212	TP#60	960		107		73-	111-15	TPT			76-101					
4856	1507	V-0139	900		136		73-	111-25	ENDSTT			76-101					
4857	2008	TP#80	960		107		73-	111-15	TPT			76-101					
4858	2510	TP#19	960		107		73-	111-15	TPT			76-101					
4859,10	4007	TP#27	960		107		73-	111-15	TPT			76-101					
485,11	4399	TP#32	960		107		73-	111-15	TPT			76-101					
485,12	5317	TP#10	960		107		73-	111-15	TPT			76-101					

486	INT	5474	26 57.5N	70 02.6W	110	73- III-14/73-VII-02	MODE
4861		492	V-C131	900	138	73- II-27	ENDST
4864		149C	V-0184	900	135	73- II-27	ENDST
4865		2985	V-0106	900	126	73- II-25	ENDST
4866		3986	TP#28	960	105	73- II-16	TPT
487	SUR	5327	28 33.0N	71 22.6W	0	73- III-15/73-III-15	ABORTED, MOORING PARTED
488	INT	5325	28 33.1N	71 22.9W	108	73- III-15/73-VII-01	MODE
4881		507	V-C109	900	-1	73- IV-03	ENDSRT
4882		609	TP#41	960	104	73- II-17	TPT
4883		807	V-132	900	107	73- II-27	ENDST
4885		3000	V-0183	900	135	73- II-27	ENDST
4886		4000	TP#29	960	1C4	73- II-17	TPT
489	INT	5440	29 35.0N	69 59.1W	106	73- III-16/73- VI-30	MODE
4891		507	V-0141	900	106	73- II-16	ENDST
4892		605	TP#42	960	103	73- II-17	TPT
4893		607	V-C174	900	135	73- II-26	ENDST
4894		1505	V-0111	900	142	73- II-21	ENDST
4895		3000C	V-0179	900	129	73- II-05	ENDST
4896		4C01	TP#21	960	1C3	73- II-17	TPT

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* MOORING - - - - - * TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
* NO. - - - - - * DATA - - - - - * NC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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490	SUB	2559	39 23.7N	69 59.3W	207	73-	111-26/73-X-15	SET BY FAKING BOX	SITE D	
4901		999	M-257	5.27/1800	207	73-	111-26	ENDST	79-87	
4902		2011	M-215	5.27/1800	207	73-	111-26	ENDST	79-87	
491	SUB	2654	39 08.2N	69 58.1W	207	73-	111-26/73-X-16	SET BY FAKING BOX	SITE D	
4911		205	M-191	5.27/1800	207	73-	111-26	ENDST	79-87	
4912		1019	M-207	5.27/1800	207	73-	111-26	ENDST	79-87	
4913		2030	M-250	5.27/1800	207	73-	111-26	ENDST	79-87	
4914		2550	M-205	5.27/1800	207	73-	111-26	ENDST	79-87	

					SITE D
492 SUR	2770	39 10.0N	70 30.4W	207	73- III-29/73-X-16
4921	1006	M-272	5.27/1800	207	73- III-26 ENCDST
4922	2019	M-264	5.27/1800	207	73- III-26 ENDST
					79-87

	MODE	INT	5446	28 42.0N	70 15.8W	91	73- IV	-03 / 73-	VI-30
4931	TP#34	491	V-0199	900	86	73- IV	-03	ENDSTT	76-101
4932	TP#34	593	TP#34	86400	87	73- IV	-03	TPT	76-101
4933	M-142T	791	M-142T	5•27/1800	86	73- IV	-03	ENDSTT	76-101
4934	TP#52	992	TP#52	86400	87	73- IV	-03	TPT	76-101
4935	V-0195	1489	V-0195	900	86	73- IV	-03	ENDSTT	76-101
4936	V-0138	2994	V-0138	900	86	73- IV	-03	ENDSTT	76-101
4937	TP#25	4000	TP#25	86400	87	73- IV	-03	TPT	76-101

494	INT	5446	27	49.8N	70	39.8W	89	73-	IV	-03/73-	V1-29
4941		492	V-C127		900		85	73-	IV	-03	ENDSTT
4942		594	TP#33		86400		87	73-	IV	-03	TPT
4944		993	TP#51		86400		87	73-	IV	-03	TPT
4945		1490	V-0118		900		85	73-	IV	-03	TT
4946		2994	V-0133		900		85	73-	IV	-03	ENCSTT

T/P RECORDER MODE

495 INT	5477	27 08.8N	70 00.0W	89	73- IV -03/73- VI-29	MODE
4951	496	V-016.3	900	84	73- IV -03	ENDSTT
4952	598	TP#38	86400	85	73- IV -03	TPT
4953	796	M-212T	5.27/1800	84	73- IV -03	ENDSTT
4955	1494	V-010.5	900	85	73- IV -03	ENDSTT
4957	3971	TP#26	86400	85	73- IV -03	TPT
4958	5376	M-122T	5.27/1800	72	73- IV -03	ENDSTT
496 INT	5286	27 18.0N	69 01.2W	0	73- IV -02/76- IV-0?	ABORTED LINE PARTED MODE
497 INT	5286	27 18.0N	69 01.0W	87	73- IV -04/73- VI-28	MODE
4971	482	V-C12U	900	82	73- IV -05	ENDSTT
4972	476	TP#37	86400C	82	73- IV -05	TPT
4973	782	M-213T	5.27/1800	81	73- IV -05	TT
4974	88C	TP#55	86400	83	73- IV -04	TPT
4975	1080	TP#59	86400	83	73- IV -04	TPT
4978	2392	TP#13	86400	83	73- IV -04	TPT
497.10	3433	TD308	86400	83	73- IV -04	TPT
497.11	3987	M-226T	5.27/1800	82	73- IV -05	ENDSTT
497.12	4346	TP#31	86400	83	73- IV -04	TPT
497.13	5191	M-129T	5.27/1800	75	73- IV -05	ENDSTT
497.14	5185	TP#CS	86400	83	73- IV -04	TPT
498 INT	5463	27 33.1N	69 34.1W	86	73- IV -05/73- VI-28	MODE
4981	498	V-010.3	900	82	73- IV -05	ENDSTT
4982	513	TP#36	86400	82	73- IV -05	TPT
4983	798	V-015.8	900	82	73- IV -05	ENDSTT
4984	514	TP#49	86400C	82	73- IV -05	TPT
4985	1496	V-C202	900	82	73- IV -05	ENDSTT
4987	3548	TP#23	86400	82	73- IV -05	TPT

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*MODORING      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA          -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -
* NC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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MODE	499 INT	5461	28 C8.9N	70 08.1W	66	73- IV -06 / 13 - VI -2A	76-101
	4951	498	V-C193	900	30	73- IV -06 ENDTT	
	4952	531	TP#14	86400	81	73- IV -05 TPT	76-101 T/P RECORDER
	4953	798	V-0159	900	80	73- IV -06 ENDTT	76-101
	4954	533	TP#48	86400	81	73- IV -05 TPT	76-101 T/P RECORDER
	4955	1496	V-0205	900	80	73- IV -06 TT	76-101
	4956	2596	V-0102	900	1C8	74- II -14 ENDTT	76-101 TIME BASE QUESTIONABLE
	4957	3556	TP#22	86400	81	73- IV -05 TPT	76-101 T/P RECORDER

		MODE			
500	INI	5456	28	17.0N	69 16.3W
50C1	375	V-0129	360C	21	73- IV -04/73- VI-27
50C2	485	TP#13	86400	18	73- IV -04 ENDS TT 76-101
50C3	681	V-0156	360C	21	73- IV -06 TPT 76-101 T/P RECORDER
50C4	882	TP#47	86400	18	73- IV -04 ENDS TT 76-101
5005	1492	V-0201	900	8C	73- IV -06 TPT 76-101 T/P RECORDER
50C7	3536	TP#30	86400	18	73- IV -06 ENDS TT 76-101 T/P RECORDER

MODE		T/P RECORDER								
5011	LN1	53-9	28 50. LN	69	18.0W	87	/3-	IV	-07	/3- VI-30
5011		492	V-0164	900		82	73-	IV	-07	ENDSTT
5012		523	TP#35	86400		83	73-	IV	-06	TPT
5012		792	M-198T	5.27/1800		88	73-	IV	-03	ENDSTT
5015		149C	V-C123	900		82	73-	IV	-07	ENDSTT
5016		2987	V-0204	900		82	73-	IV	-07	ENDSTT
5017		3586	M-175T	5.27/1800		67	73-	IV	-03	ENDSTR
5018		5282	M-284	5.27/1800		83	73-	IV	-06	ENDST

504 INT	1539 20 18.0N	73 38.4W	112	73- XI -09/74-11-02	WINDWARD PASSAGE
5041 1C45 M-269	5.27/1800	113	73- XI -09 ENDSTR	77-29	
5044 1456 M-271	5.27/1800	113	73- XI -09 ENDSTR	77-29	
505 INT	1543 20 16.2N	73 37.8W	112	73- XI -10/74-11-02	WINDWARD PASSAGE
5051 1050 M-260	5.27/1800	111	73- XI -10 ENDSTR	77-29	
5054 1461 M-277	5.27/1800	113	73- XI -09 ENDSTR	77-29	
506 INT	2559 39 23.2N	69 59.6W	176	73- X -08/74- IV-09	QUESTIONABLE SPEEDS
5061 187 M-212T	5.27/3600	186	73- X -08 ENDSTR	79-87	
5062 988 M-240	5.27/3600	185	73- X -08 ENDSTR	79-87	
5063 1995 M-266	5.27/3600	180	73- X -13 ENDSTR	79-87	
507 INT	2662 39 09.8N	70 00.8W	176	73- X -14/74- IV-10	ARRAY WITH 506,508,509
5072 491 M-122T	5.27/3600	179	73- X -14 ENDSTR	79-87	
5073 999 M-227	5.27/3600	180	73- X -14 ENDSTR	79-87	
5074 2006 M-256	5.27/3600	199	73- X -14 ENDSTR	79-87	
508 INT	2714 39 09.8N	70 10.9W	61	73- X -13/73-XI-07	ARRAY WITH 506,507,509
5081 2645 V-0202	900	70	73- X -12 ENDSTR	79-87	
5082 2653 V-0120	900	70	73- X -12 ENDSTR	79-87	
5083 2657 V-C106	900	7	73- X -12 ENDSTR		
5084 2661 V-0107	900	70	73- X -12 ENDSTR		
5085 2665 V-C115	900	70	73- X -12 ENDSTR		
5086 2665 V-0136	900	70	73- X -12 ENDSTR		
5087 2673 V-0119	900	70	73- X -12 ENDSTR		
5088 2677 V-0138	900	70	73- X -12 ENDSTR		
5089 2681 V-0204	900	70	73- X -12 ENDSTR		
508,10 2685 M-261	5.27/900	55	73- X -13 ENDSTR		
509 INT	2746 35 C8.5N	70 32.4W	176	73- X -13/74- IV-11	NO ROTOR, TEMPERATURE VALUES
5091 175 M-259	5.27/3600	180	73- X -13 ENDSTR	79-87	
5092 980 M-276	5.27/3600	186	73- X -08 ENDSTR	75-87	
5093 1587 M-265	5.27/3600	186	73- X -08 ENDSTR	79-87	

*DOORING - - - - -
*NO.*TYPE*DEPTH*LATITUDE* LONG.* DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - -
* NO.*DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

510 SUR 5459 27 44.1N 69 47.7W 51 73- X -24/73-XII-16
 5101 W-270X 5.27/900 54 73- X -24 ENDSTR

511	SUR	5461	27	48.	7N	69	51.0W	?	73-	X	-26/	LCS	MARKER MOORING FOR IWEX
512	BTM	5455	27	43.	5N	69	49.0W	8	73-	X	-27/	73-	ACOUSTIC BEACON FOR IWEX
513	BTM	5455	27	45.	4N	69	52.0W	8	73-	X	-27/	73-	ACOUSTIC BEACON FOR IWEX
514	BTM	5455	27	42.	4N	69	52.0W	8	73-	X	-27/	73-	ACOUSTIC BEACON FOR IWEX

SUBSURFACE, IWEX, LEGS A,B,C

515A2 600 DT-105 225 73- XI -03 ENDST
515A4 605 DT-102 225 73- XI -03 ENDST

515A6 724 D1-114 225

EE3 325

515A14 2044 M-175† 5.27/900

51582 600 DT-113 225

51 585 633 01=111 225

31388 123 01=103
515810 1017 01 116
223 325

515814 2044 M-206f 5.27/900

515C2 600 DT-1112 225

515C6 725 DT=107 225

313C10 1011 011113 223
315G11 2061 111216 2274000

5164 101 V-0129 56.25 1 73- XI -03 ENDSRTI

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DUEI. THERMISTERS

517 INT		2647	39 11.8N	70 00.0W	363	73- XII-05 / 74-XII-05	GULF STREAM MOORING
5172		193	V-0177	900	383	73- XII-05	GRASSY GROWTH ON ROTUR, VANE
5173		197	V-0112	900	383	73- XII-05	NO TEMPERATURE VALUES
518	INT	3138	33 35.0N	62 29.3W	134	73- XII-05 / 74- IV-23	MUIR SEAMOUNT
5181	2140	V-0182	900	145	73- XII-05	ENDSTT	79-87
5182	3035	V-0121	900	145	73- XII-05	ENDSTT	79-87
519	INT	3088	33 29.1N	62 28.6W	134	73- XII-05 / 74- IV-23	MUIR SEAMOUNT
5191	2085	V-0114	900	144	73- XII-05	ENDSTT	79-87
5192	2986	V-0185	900	144	73- XII-05	ENDSTT	79-87
520	INT	4366	33 30.0N	62 36.7W	135	73- XII-05 / 74- IV-23	MUIR SEAMOUNT
5201	2131	V-0141	900	144	73- XII-05	ENDSTT	79-87
5202	3023	V-0201	900	145	73- XII-05	ENDSTT	79-87
5203	3027	V-0118	900	144	73- XII-05	ENDSTT	79-87

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    **MOORING - - - - -
    **NO.*TYPE*DEPTH*LATITUDE* LONG.*DAYSS* SET *RECOVERED *REPORT* COMMENTS -
    *DATA - - - - -
    * NO. *DEPTH*INSTR.* SAMPLING *DAYSS*DATA START* VARIABLES*REPORT* COMMENTS -

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1974

*MOORING - - - - -
*NO. *TYPE *DEPTH *LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - -
* NO. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

523	INT	2504	39 25.6N	69 59.6W	240	74- IV	-03/74-XII-05	METAL PARTICLES ON MAGNET	SITE D
5232		983	V-164	900	264	74- IV	-03	ENDSTT	SITE D
5233		1991	V-135	900	264	74- IV	-03	ENDSTT	METAL PARTICLES ON MAGNET
524	INT	2664	39 07.5N	69 59.9W	239	74- IV	-14/74-XII-05	ENDSTT	SITE D
5241		197	V-0139	900	253	74- IV	-14	ENDSTT	79-56
5243		202	V-0136	900	264	74- IV	-03	ENDSTT	THERMISTER DRIFTING 1 DEG. C./YEAR
5244		496	V-0113	900	265	74- IV	-02	ENDSTT	79-56
5245		1005	V-0107	900	264	74- IV	-03	ENDSTT	79-56
5246		2013	V-0181	900	264	74- IV	-03	ENDSTT	79-56
5247		2512	V-0204	900	264	74- IV	-03	ENDSTT	79-56
525	INT	2759	39 07.1N	70 32.6W	239	74- IV	-02/74-XII-06	ENDSTT	SITE D
5251		195	V-205	900	265	74- IV	-02	ENDSTT	79-56
5252		997	V-193	900	264	74- IV	-03	ENDSTT	GULF STREAM ARRAY
5253		2005	V-137	900	264	74- IV	-03	ENDSTT	79-56
526	INT	3007	38 47.0N	70 00.5W	238	74- IV	-03/74-XII-06	ENDSTT	GULF STREAM ARRAY
5261		2006	V-0133	900	264	74- IV	-03	ENDSTT	79-56
5262		2810	V-0108	900	266	74- IV	-02	ENDSTT	79-56
527	INT	2978	39 09.8N	68 59.8W	238	74- IV	-02/74-XII-06	ENDSTT	GULF STREAM ARRAY
5271		1977	V-0113	900	266	74- IV	-02	ENDSTT	79-56
5272		2781	V-0110	900	265	74- IV	-02	ENDSTT	79-56
528	BTM	3326	38 35.2N	69 10.1W	264	74- IV	-03/74-XII-07	ENDSTT	GULF STREAM ARRAY
5282		2329	DT-5110	900	264	74- IV	-03	ENDSTT	79-56

*NO.	*TYPE	*DEPTH	*LATITUDE	*LONG.	*DAYS*	SET	/RECOVERED	*REPORT*	COMMENTS
*DATA	-	-	-	-	-	-	-	-	-
* NO.	*DEPTH	*INSTR.	* SAMPLING	*DAYS*	DATA START*	VARIABLES	*REPORT*	COMMENTS	*
529	INT	3480	38 21.4N	69 59.6W	238	74- IV	-03 / 74-XII-07	GULF STREAM ARRAY	
5291	2483	V-0106	900	264	74-	IV -03	ENDSTT	79-56	
5292	3283	V-0109	900	264	74-	IV -03	ENDSTT	79-56	NO TEMPERATURE
530	BTM	3815	38 00.5N	70 00.6W	244	74- IV	-02 / 74-XII-13	GULF STREAM ARRAY	
5302	2818	V-0115	900	265	74- IV	-02	ENDSTT	79-56	
531	INT	3921	38 00.2N	69 18.5W	243	74- IV	-16 / 74-XII-13	GULF STREAM ARRAY	
5311	2923	TP#34	86400	227	74-	IV -16	TPT		
5312	2925	V-U184	900	265	74-	IV -02	ENDSTT	79-56	
5313	3724	V-0167	900	265	74-	IV -02	ENDSTT	79-56	
532	BTM	4210	37 29.8N	69 19.9W	244	74- IV	-03 / 74-XII-14	GULF STREAM ARRAY	
5322	3213	DT-5111	900	264	74- IV	-03	ENDSTT	79-56	
533	INT	4182	37 30.3N	70 00.4W	244	74- IV	-02 / 74-XII-14	GULF STREAM ARRAY	
5331	3182	V-0183	900	265	74-	IV -02	ENDSTT	79-56	
5332	3981	DT-5106	900	265	74-	IV -02	ENDSTT	79-56	
534	INT	4339	37 00.4N	69 59.8W	245	74- IV	-02 / 74-XII-16	GULF STREAM ARRAY	
5341	3337	V-C131	900	266	74-	IV -02	ENDSTT	79-56	
5342	4138	V-0126	900	264	74-	IV -03	ENDSTT	79-56	
535	BTM	4450	36 59.3N	69 19.7W	243	74- IV	-03 / 74-XII-14	GULF STREAM ARRAY	
5352	3453	V-0127	900	264	74- IV	-03	ENDSTT	79-56	
536	INT	4468	36 30.1N	69 19.9W	243	74- IV	-04 / 74-XII-16	GULF STREAM ARRAY	
5361	3466	V-0111	900	264	74-	IV -04	ENDSTT	79-56	
5362	4267	V-0117	900	264	74-	IV -03	ENDSTT	79-56	
537	INT	4463	36 29.8N	70 00.0W	244	74- IV	-19 / 74-XII-16	GULF STREAM ARRAY	
5371	3461	TP#42	86400	220	74-	IV -19	TPT		
5372	3463	V-C179	900	264	74-	IV -03	ENDSTT	79-56	NO VANE
5373	4262	V-0195	900	265	74- IV	-02	ENDSTCRT	79-56	

MUD/E

538 INT	5457	28 02.6N	69 44.8W	100	74-	IV -21/74-VII-27
5381	511	M-1421	5.27/1800	101	74-	IV -18 END STR 78-5
5382	574	TP#15	86400	95	74-	TPT 78-5
5383	774	TP#35	86400	95	74-	TPT 78-5
5384	572	TP#52	86400	95	74-	TPT 78-5
5385	1500	M-2067	5.27/1800	116	74-	END STR 78-5
5386	1571	TP#28	86400	95	74-	TPT 78-5
5387	248C	TP#16	86400	95	74-	TPT 78-5
5388	3492	TP#29	86400	95	74-	TPT 78-5
5389	3598	M-1751	5.27/1800	116	74-	END STR 78-5
538.10	3576	TP#24	86400	95	74-	TPT 78-5
538.11	4394	TP#10	86400	95	74-	TPT 78-5

ENGINEERING MOORING

539 SUR	5457	28 01.1N	69 44.9W	2	74-	IV 18/74- IV-20 78-5
540 INT	5265	28 C8.9N	68 40.4W	100	74-	IV -22/74- VI-29
5401	509	M-264	5.27/1800	117	74-	IV -03 END STR 78-5
5402	626	TP#14	86400	96	74-	TPT 78-5
5403	834	TP#45	86400	96	74-	TPT 78-5
5404	1020	TP#46	86400	96	74-	TPT 78-5
5405	1511	M-173	5.27/1800	103	74-	END STR 78-5
5406	2C32	TP#20	86400	96	74-	TPT 78-5
5407	2522	TP#19	86400	96	74-	TPT 78-5
5408	4006	M-274	5.27/1800	117	74-	END STR 78-5
540.11	4419	TP#12	86400	96	74-	TPT 78-5

MUD/E

541 INT	3583	38 19.0N	69 39.2W	89	74-	IV -03/74-VII-23
5411	1295	V-0120	900	130	74-	IV -03 END STR

*#MOORING - - - - - *#TYPE*DEPTH*LATITUDE* LCGN. *DAY\$* SET - - - - - /RECOVERED *REPORT* COMMENTS - - - - - *#DATA - - - - - *#AC. *DEPTH*INSTR.* SAMPLING *DAY\$*DATA START* VARIABLES*REP CRT* COMMENTS - - - - -

547	INT	5785	28 12.6N	54 56.5W	284	74- VII-18/75- V -13	ARRAY 1	POLYMODE
5471		496	V-0201	900	306	74- VII-18	ENDSIT	79-34
5473		996	V-0134	900	307	74- VII-18	ENDSIT	79-34
5474		1996	V-0141	900	307	74- VII-18	ENDSIT	79-34
5475		4000	M-257	5.27/3600	254	74- VII-19	CVBRTR	79-34
548	INT	5550	31 01.5N	60 04.3W	279	74- VII-18/75- V -10	ARRAY 1	POLYMODE
5481		500	V-0114	900	307	74- VII-18	ENDSIT	79-34
5482		814	TP#7	1920	216	74-VIII-06	TPT	T/P RECORDER
5482		1000	V-0103	1800	293	74- VII-19	ENDSIT	79-34
5485		2001	V-5109	900	307	74- VII-18	ENDSIT	79-34
5486		4001	V-0182	900	307	74- VII-18	ENDSIT	79-34
549	INT	4687	33 59.2N	60 00.6W	269	74- VII-18/75- V -01	ARRAY 1	POLYMODE
5491		502	V-0138	900	307	74- VII-18	ENDSIT	79-34
5492		810	TP#13	1920	265	74-VIII-08	TPT	T/P RECORDER
5493		1002	V-5113	900	307	74- VII-18	ENDSIT	79-34
5494		2002	M-212T	5.27/3600	255	74- VII-18	CVBRTR	79-34
5495		4002	V-5117	900	307	74- VII-18	ENDSIT	79-34
550	INT	4894	36 02.6N	69 02.4W	?	74-VIII-07/ LCST	ARRAY 1	POLYMODE
551	INT	4533	36 C1.6N	69 58.2W	130	74- XII-16/75- IV-23	TEST OF VACM MODIFICATIONS	
5511		1484	V-120	900	170	74- XII-03	MODIFIED FOR PRESSURE, NO PRESSURE DATA	
5512		1998	V-5101	450	158	74- XII-15	GOOD	
5513		2000	V-5108	450	176	74- XI -27	GOOD	
5514		2002	V-5102	450	176	74- XI -27	GOOD	
5515		2004	V-5105	450	176	74- XI -27	GOOD	

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1975 * * *

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*MOORING - - - - -
*NG.*TYPE*CDEPTH*LATITUDE* - - - - -
*DATA - - - - -
* NC.*CDEPTH*INSTR.* - - - - -
*LCNG.* *DAYS* SET - - - - -
*SAMPLING *DAYS*DATA START* - - - - -
*RECOVERED *REPORT* COMMENTS - - - - -
*VARIABLES*REPRT* COMMENTS - - - - -

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TEST OF SETTING MOCRING OFF RUSSIAN SHIP
1 DAY SEA DATA

554 INT 4774 32 21.4N 65 27.0W 272 75- IV -17/76- I -26
 5541 314 V-0131 900 285 75- IV -17 ENDSTCRT TM
 5542 514 V-0106 900 285 75- IV -17 ENDSTCRT TM
 5543 718 TP#35 1920 121 75- IV -29 TPT TP
 5544 1C13 V-0180 900 285 75- IV -17 ENDSTCRT TM
 5545 1513 N-260T 5:27/3600 274 75- IV -28 CYBRT RT
 .
 BERMUDA MICROSTRUCTURE ARRAY
 T/P RECORDER
 VANE:CTOR APPEAR STICKY, STUCK

TEST MOORING FOR CIRCULATOR INSTRUMENT
TEST OF COS/MOS MODIFIED MODEL 850

557 INT	5083	35 55.7N	55 05.9W	230	75-	IV -17/75-XII-18	ARRAY 2, SET 1 POLYMODE
5571	600	V-0112	500	258	75-	IV -17 ENDSTCRF	78-49
5572	825	TP#34	1920	226	75-	v -05 TPT	78-49
5573	100C	V-0107	900	258	75-	v -17 ENDSTCRT	78-49
5574	1204	TP#46	1920	223	75-	v -07 TDPCF	78-49
5575	1499	V-C205P	900	256	75-	v -19 ENDSTTP	78-49
5576	2C02	TP#45	1920	52	75-	v -06 TPDT	78-49
5577	2505	TP#19	1920	223	75-	v -07 TPDT	78-49
5578	3C01	TP#16	1920	223	75-	v -07 TPDT	78-49
5579	3501	TP#67	1920	224	75-	v -06 TPDT	78-49
557.10	4001	V-0109	900	258	75-	v -17 ENDSTTT	78-49
557.11	4505	TP#29	1920	226	75-	v -05 TPT	78-49
558 INT	5379	35 56.8N	54 40.5W	223	75-	v -06/75-XII-12	ARRAY 2, SET 1 POLYMODE
5581	60E	V-159	900	217	75-	v -07 ENDSTRT	78-49
5583	8C6	TP#42	1920	216	75-	v -06 TPT	78-49
5584	1C08	M-227T	5.27/3600	222	75-	v -04 CVBRTRT	78-49
5585	1506	M-142T	5.27/3600	223	75-	v -03 CVBRTRT	78-49
5586	2592	TP#68	1920	218	75-	v -06 TPDT	78-49
5589	4C07	V-C126	900	258	75-	v -17 ENDSTCRT	78-49
558.11	4S73	TP#24	1920	215	75-	v -06 TPT	78-49
559 INT	5478	35 58.2N	53 45.7W	222	75-	IV -17/75-XII-11	ARRAY 2, SET 1 POLYMODE
5591	596	V-0127	900	258	75-	v -17 ENDSTCRT	78-49
5592	802	TP#36	1920	216	75-	v -07 TDPCF	78-49
5594	1497	M-175T	5.27/3600	223	75-	v -03 CVBRTRT	78-49
5595	399S	V-C133	900	196	75-	v -17 ENDSTCRT	78-49
560 INT	4774	41 29.1N	54 59.7W	215	75-	v -08/75-XII-06	ARRAY 2, SET 1 POLYMODE
56C1	3547	TP#27	1920	212	75-	v -08 TPT	78-49
56C2	3554	M-259T	5.27/3600	216	75-	v -04 CVBRTRT	78-49
561 INT	5171	40 28.0N	55 00.0W	217	75-	v -04/75-XII-08	ARRAY 2, SET 1 POLYMODE
5611	3982	M-250T	5.27/3600	217	75-	v -04 CVBRTRT	78-49
5612	416S	TP#11	1920	210	75-	v -10 TPDT	78-49
562 INT	5279	39 29.0N	54 59.2W	216	75-	v -04/75-XII-08	ARRAY 2, SET 1 POLYMODE
5621	4C0C	M-240T	5.27/3600	218	75-	v -04 CVBRTRT	78-49
5622	4173	TP#5	1920	211	75-	v -10 TPDT	78-49

*MORNING - - - - -
 *NO. *TYPE*DEPTH*LATITUDE* LONG. * DAYS* SFT /RECOVERED *REPORT* COMMENTS
 *DATA - - - - -
 * DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
 * NO.

563 INT 5353 38 29.8N 54 58.0W 217 75- V -05/75-XII-09 CVBRTTR; 78-49
 5631 3999 M-215T 5.27/3600 217 75- V -05 PT 78-49
 5632 4065 TD#28 1920 214 75- V -08 PT 78-49

564 INT 5350 37 29.5N 55 00.0W 218 75- IV -18/75-XII-10 ENDSTCRT 78-49
 5641 590 V-0204 900 257 75- IV -18 TDPCT 78-49
 5642 826 TD#41 1920 211 75- V -11 ENDSTCRT 78-49
 5643 990 V-0184 900 257 75- IV -17 CVBRTTRT 78-49
 5644 1490 M-276T 5.27/3600 217 75- V -06 CVBRTTRT 78-49
 5645 3992 V-0195 900 258 75- IV -17 ENDSTCRT 78-49

565 INT 5162 35 36.0N 55 04.9W 225 75- IV -17/75-XII-18 ENDSTCRT 78-49
 5651 646 V-0108 900 258 75- IV -17 TDPCT 78-49
 5652 840 TD#33 1920 218 75- V -12 ENDSTCRT 78-49
 5653 1046 V-0113 900 257 75- IV -17 CVBRTTRT 78-49
 5654 1546 M-173T 5.27/3600 225 75- V -07 TPDT 78-49
 5655 3035 TD#69 1920 219 75- V -11 ENDSTCRT 78-49
 5656 4046 V-0117 900 257 75- IV -17 TPDT 78-49
 5657 5021 TD#10 1920 218 75- V -12 TPDT 78-49

566 INT 5516 34 53.4N 55 01.6W 223 75- IV -17/75-XII-17 ENDSTCRT 78-49
 5661 604 V-0135 900 257 75- IV -17 TDPCT 78-49
 5662 807 TD#38 1920 218 75- V -11 ENDSTCRT 78-49
 5663 1005 V-0137 900 243 75- IV -18 CVBRTTRT 78-49
 5664 1505 M-191T 5.27/3600 223 75- V -08 ENDSTCRT 78-49
 5665 4006 V-0139 900 257 75- IV -17 CVBRTTRT 78-49

567 INT 5296 31 35.8N 55 04.9W 216 75- IV -17/75-XII-15 ENDSTCRT 78-49
 5671 628 V-0178 900 258 75- IV -17 TDPCT 78-49
 5672 831 TD#40 1920 212 75- V -16 ENDSTCRT 78-49
 5673 1028 V-0179 900 257 75- IV -17 CVBRTTRT 78-49
 5674 1528 M-277T 5.27/3600 216 75- V -13 ENDSTCRT 78-49
 5675 4030 V-0181 900 257 75- IV -17 ENDSTCRT 78-49

568	INT	5205	35 55.8N	59 01.6W	219	75-	IV -17/75-XII-19		ARRAY 2, SET 1 POLYMODE
5681		595	V-0163	900	257	75-	IV -17	ENDSTCRT	78-49
5682		813	TP#39	1920	214	75-	V -18	TPDPCT	78-49
5683		1C0C	V-0164	500	256	75-	IV -17	ENDSTCRT	78-49
5684		15CC	M-205I	5.27/3600	231	75-	V -03	CVBRTRT	78-49
5685		4CC1	V-C177	900	257	75-	IV -17	ENDSTCRT	78-49
569	BTM	2941	39 C1.2N	71 18.2W	4	75-VIII-11/75-VIII-17		IN CONJUNCTION WITH "ALVIN" DIVES	
5691		2841	V-11U	28.125	8	75-VIII-11	ENDSTCRT	GOOD	
5692		2934	V-2C1	28.125	8	75-VIII-11	ENDSTCRT	GOOD	
570	INT	4288	52 42.7N	33 59.2W	272	75-	IX -16/76- VI-24		GIBBS FRACTURE ZONE
57C1		4261	V-C129	900	294	75-	IX -16	ENDSTTT	TM
571	INT	2895	52 53.7N	35 31.0W	273	75-	IX -16/76- VI-26		GIBBS FRACTURE ZONE
5711		1C15	V-0138	900	295	75-	IX -16	ENDSTCRT	TM
5712		254E	V-C119	900	62	75-	IX -16	ENDSTCRT	TM
5713		2643	V-C134	900	294	75-	IX -16	ENDSTCRT	TM
572	INT	3358	52 46.1N	35 39.0W	273	75-	IX -16/76- VI-26		GIBBS FRACTURE ZONE
5721		584	V-0121	900	294	75-	IX -16	ENDSTCRT	TM
5722		2514	V-0118	900	295	75-	IX -16	ENDSTCRT	TM
5723		3C4E	V-C165	900	295	75-	IX -16	ENDSTCRT	TM
5724		3346	V-C161	900	294	75-	IX -16	ENDSTCRT	TM
573	INT	4758	41 29.3N	54 58.6W	306	75-	XII-06/76- X -07		ARRAY 2, SET 2 POLYMODE
5731		4001	M-273I	5.27/3600	331	75-	XII-06	CVBRTRF	78-49
5732		3596	TP#C3	1920	3C2	75-	XII-09	TPDPT	78-49
574	INT	5177	40 27.1N	55 03.0W	3C7	75-	XII-06/76- X -09		ARRAY 2, SET 2 POLYMODE
5741		3995	M-266I	5.27/3600	331	75-	XII-06	CVBRTRT	78-49
5742		4185	TP#48	1920	3C2	75-	XII-10	TPDPT	78-49
575	INT	5264	3U 30.2N	54 59.9W	3C8	75-	XII-07/76- X -10		ARRAY 2, SET 2 POLYMODE
5751		3993	M-264I	5.27/3600	330	75-	XII-07	CVBRTRT	78-49
5752		419C	TP#C2	1920	3C3	75-	XII-10	TPCPT	78-49
								T/P RECORDER	

*MOORING - - - - -
 *NC.*TYPE*DEPTH*LATITUDE* LONG. *DAY\$* SET /RECOVERED *REPORT* COMMENTS
 *DATA - - - - -
 * NC. *DEPTH*INSTR.* SAMPLING *DAY\$*DATA START* VARIABLES*REPORT* COMMENTS
 * - - - - -

576	INI	5340	38 29.2N	54 55.4W	3C7	75-	XII-07/76- X-10	CVBRTR	78-49	ARRAY 2, SET 2 POLYMODE
5761		3597	M-257T	5.27/3600	330	75-	XII-07	TPDPCT	78-49	T/P RECORDER
5762		TP#22	1920	3C3	75-	XII-11	TPCP1	78-49		
577	INT	5310	37 28.7N	55 00.9W	308	75-	XII-10/76- X-12	ENDSICRT	78-49	ARRAY 2, SET 2 POLYMODE
5771		588	V-5101	900	341	75-	XI-25	TPDPCT	78-49	T/P RECORDER
5772		785	TP#05	1920	3C3	75-	XII-12	ENDSICRT	78-49	
5773		991	V-0185	900	328	75-	XII-09	TPDPCT	78-49	
5774		1495	M-256T	5.27/3600	336	75-	XII-01	CVBRTR	78-49	
5775		3595	V-5108	900	328	75-	XII-09	ENDSICRT	78-49	
578	INT	5463	35 58.3N	53 45.4W	300	75-	XII-11/76- X-05	CVBRTR	78-49	ARRAY 2, SET 2 POLYMODE
5781		57	V-0141	900	340	75-	XI-26	ENDSICRT	78-49	T/P RECORDER
5782		79C	TP#50	1920	245	75-	XII-13	TPDPCT	78-49	
5783		58C	V-0105	900	334	75-	XII-03	ENDSICRT	78-49	
5784		1483	M-238T	5.27/3600	301	75-	XII-09	CVBRTR	78-49	
5785		3985	V-5113	900	342	75-	XI-25	ENDSICRT	78-49	
579	INI	5338	35 55.7N	54 41.8W	298	75-	XII-12/76- X-04	CVBRTR	78-49	ARRAY 2, SET 2 POLYMODE
5791		59C	V-0201	900	341	75-	XI-26	ENDSICRT	78-49	T/P RECORDER
5792		758	TP#13	1920	212	75-	XII-16	TPDPCT	78-49	
5793		594	V-5104	900	667	75-	XII-11	ENDSICRT	78-49	
5794		1497	M-206T	5.27/3600	299	75-	XII-10	CVBRTR	78-49	
5795		2559	TP#C8	1920	293	75-	XII-14	TPDPCT	78-49	
5796		4C0C	V-C114	900	340	75-	XI-26	ENDSICRT	78-49	
5797		4544	TP#26	1920	293	75-	XII-14	TPDPCT	78-49	
580	INI	5507	31 35.2N	54 56.0W	310	75-	XII-15/76- X-19	CVBRTR	78-49	ARRAY 2, SET 2 POLYMODE
5801		587	V-0326	900	342	75-	XI-26	ENDSICRT	78-49	T/P RECORDER
5802		802	TP#43	1920	265	75-	XII-17	TPDPCT	78-49	
5803		99C	V-0103	900	338	75-	XI-28	ENDSICRT	78-49	
5804		1454	M-213T	5.27/3600	324	75-	XII-13	CVBRTR	78-49	
5805		3595	V-5109	900	342	75-	XI-25	ENDSICRT	78-49	

581	INT	5502	34 55.6N	55 04.7W	306	75- X11-17/76- X -17	ARRAY 2, SET 2 POLYMODE
5811	587	V-0182	900	341	75- X1-26	ENDSTCRT 78-49	
5812	835	TP#54	1920	300	75- X11-20	TPDPCT 78-49	
5813	590	V-0324	900	342	75- X1-25	ENDSTCRT 78-49	
5814	1494	M-209T	5.27/3600	322	75- X11-15	CVBRTRT 78-49	
5815	3995	V-5111	900	342	75- X1-25	ENDSTCRT 78-49	
582	INT	5107	35 36.0N	55 05.0W	303	75- X11-18/76- X -15	ARRAY 2, SET 2 POLYMODE
5821	588	V-0115	900	341	75- X1-26	ENDSTCRT 78-49	
5824	1495	M-272T	5.27/3600	319	75- X11-01	CVBRTRT 78-49	
5825	3108	TP#C7	1920	299	75- X11-20	TPDPCT 78-49	
5826	3996	V-5117	900	342	75- X1-25	ENDSTCRT 78-49	
5827	5C95	TP#04	1920	299	75- X11-20	TPDPCT 78-49	
583	INT	5C43	35 52.5N	55 02.5W	302	75- X11-18/76- X -14	ARRAY 2, SET 2 POLYMODE
5831	605	V-0327	900	93	75- X11-02	ENDSTCRT 78-49	
5832	815	TP#23	1920	297	75- X11-21	TPDPCT 78-49	
5833	1C08	V-C110	900	340	75- X1-26	ENDSTCRT 78-49	
5834	1219	TP#57	1920	297	75- X11-21	TPDPCT 78-49	
5835	1492	M-2C7T	5.27/3600	326	75- X11-10	CVBRTRT 78-49	
5836	2C06	TP#59	1920	290	75- X11-21	PDPT 78-49	
5838	3011	TP#17	1920	257	75- X11-21	TPDPCT 78-49	
583.10	3993	V-5105	900	327	75- X11-10	ENDSTCRT 78-49	
583.11	4512	TP#12	1920	259	75- X11-19	IPT 78-49	
583.12	5012	TP#32	1920	299	75- X11-19	IPT 78-49	
584	INT	5202	35 56.9N	59 01.5W	288	75- X11-20/76- X -02	ARRAY 2, SET 2 POLYMODE
5842	814	TP#47	1920	285	75- X11-21	TPDPCT 78-49	
5843	596	V-0101	900	339	75- X1-28	ENDSTCRT 78-49	
5844	1499	M-212T	5.27/3600	318	75- X11-19	CVBRTRT 78-49	
5845	4C00	V-5110	900	342	75- X1-25	ENDSTCRT 78-49	
585	SUR	1584	39 46.7N	69 49.5W	73	75- X11-22/76-111-05	TEST OF REDEPLOYABLE KEVLAR
586	INT	1483	39 47.0N	69 54.3W	116	75- XI -28/76- IV-16	ENGINEERING MOORING
5861	325	V-C12CP	900	143	75- XI -28	ENUSTP MCIFIED TC INCLUDE PRESSURE	

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*MONITORING - - - - -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPRT* COMMENTS
*DATA - - - - -
* NC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

587	INT	496	39 56.1N	71 02.9W	181	76-	1 -28/76-VIII-08	SHELF/SLOPE ARRAY
5871		145	V-0117	900	196	76-	1 -28 ENDSTCRT 80-3	
5872		295	V-0112	900	196	76-	1 -28 ENDSTCRT 80-3	NO ROTOR, PIVOT BROKE AT LAUNCH
588	INT	2305	39 36.6N	70 56.5W	180	76-	1 -28/76-VIII-08	SHELF/SLOPE ARRAY
5881		305	V-0178	900	196	76-	1 -28 ENDSTCRT 80-3	
5882		2005	V-0109	900	196	76-	1 -28 ENDSTCRT 80-3	
589	INT	2645	39 16.9N	70 50.0W	180	76-	1 -28/76-VIII-08	SHELF/SLOPE ARRAY
5891		1995	V-0107	900	196	76-	1 -28 ENDSTCRT 80-3	
590	INT	502	39 42.5N	71 47.0W	183	76-	1 -28/76-VIII-11	SHELF/SLOPE ARRAY
5901		302	V-0163	900	197	76-	1 -28 ENDSTCRT 80-3	
591	INT	500	39 54.7N	69 23.4W	155	76-	111-05/76-VIII-07	SHELF/SLOPE ARRAY
592	INT	572	17 43.8N	64 56.5W	26	76-	11 -18/76- IV-27	SAIN T CRJIX MOORING
5921		95	V-0108	56.25	26	76-	11 -18 ENDSTCRT 77-41	
5923		144	V-0139	56.25	33	76-	11 -18 ENDSTCRT 77-41	
5924		193	V-0181	56.25	33	76-	11 -18 ENDSTCRT 77-41	
5925		243	V-0164	56.25	34	76-	11 -18 ENDSTCRT 77-41	
5927		95C	V-5115	112.5	66	76-	11 -18 ENDSTCRT 77-41	

593 INT	5062	0 03.ON	50 28.3W	234	76-	V -10/77- I -02	
5931	203	V-0106	900	240	76-	V -10 ENDSTCRT AS	
5933	1500	M-240T	5.27/3600	239	76-	V -08 CVBRT RT AS	
5934	3545	M-142T	5.27/3600	233	76-	V -13 CVBRT RT AS	
594 INT	5074	0 00.9N	52 58.9W	28	76-	V -10/76- VI-11	RESET AS MOORING 597 INDEX
5941	2C1	V-C111	900	23	76-	V -17 ENDSIT AS	
5942	493	TP#63	1920	14	76-	V -15 TPT AS	
5943	1500	M-260T	5.27/3600	12	76-	V -17 CVDSIT AS	
5944	2508	M-215T	5.27/3600	23	76-	V -17 CVDSIT AS	
5945	3544	M-261T	5.27/3600	23	76-	V -17 CVDSIT AS	
595 INT	5117	1 30.ON	53 00.0W	231	76-	V -10/77- I -04	INDEX
5951	202	V-0184	900	240	76-	V -10 ENDSTCRT AS	
5953	1500	M-276T	5.27/3600	241	76-	V -09 CVBRT RT AS	
5954	3542	M-277T	5.27/3600	146	76-	V -09 CVBRT RT AS	
5955	4551	TP#27	1920	227	76-	V -20 TPT AS	
596 INT	4711	0 00.1N	0 00.0W	226	76-	V -21/76-XII-31	INDEX
5961	254	TP#61	1920	222	76-	V -21 TPT AS	
5962	551	V-0183	900	240	76-	V -10 ENDSTCRT AS	
5962	1550	M-271T	5.27/3600	236	76-	V -12 CVBRT RT AS	
5964	3595	M-262T	5.27/3600	227	76-	V -19 CVBRT RT AS	
597 INT	5072	C CO.9N	52 58.9W	202	76-	V -14/77- I -01	RESET OF MOORING 594 INDEX
5971	201	V-0111	5.27/3600	199	76-	V -14 ENDSTT AS	
5974	2508	M-215T	5.27/3600	199	76-	V -14 ENDSTT AS	
5975	3544	M-261T	5.27/3600	199	76-	V -14 ENDSTT AS	

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*MORNING - - - - -
*NG.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - -
* AC. *DEPTH*INSTR.* SAMPLING #DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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5948	INT	5206	35	55.3N	59	02.3W	234	76-	I X	-14/77-	V -28	ARRAY
5981	60C	V-0379	900		181		76-	I X	-14	ENDS CRT	78-49	2, SET 3
5983	100C	V-0109	900		250		76-	I X	-20	ENDS CRT	78-49	POLY MODE
5984	1500	M-270T	3600		238		76-	I X	-01	ENDS CRT	78-49	
5985	4000C	V-0165	900		255		76-	I X	-15	ENDS CRT	78-49	

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599 INT      5457   35 57.4N    55 27.8W   239    76- 1X -14/77- V -29
5991 3997 V-0136      900     257    76- 1X -14 ENDSTCRT 78-49

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					POLYMODE	ARRAY 2, SER 3	T/P RECORDER
600 INT	5318	35 55.3N	54 44.4W	238	76- IX -20/77- V -29		
6001	595	V-0108	900	253	76- IX -20	ENDSTCRT	78-49
6002	796	TP#42	1920	234	76- X -06	LPTPCT	78-49
6003	595	V-0381	900	191	76- IX -17	ENDSTCRT	78-49
						ENDSTCRT	78-49

601	INT	5467	35	57-5N	53	46.9h	238	76-	I X -14/77- V -30
6011		603	V-0375		900		259	76-	I X -14 ENDSTCRT 78-49
6013		1003	V-0177		900		34	76-	I X -14 ENDSTCRT 78-49
6014		1503	H-250T		3600		239	76-	I X -03 ENDSTCRT 78-49
6015		4CC3	V-C195		900		257	76-	I X -14 ENDSTCRT 78-49

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323	80324	80325	80326	80327	80328	80329	80330	80331	80332	80333	80334	80335	80336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6041 4002 V-0133 900 294 76- 1x -24 ENDSTCKT 78-49
 6042 4217 TP#82 1920 267 76- x -11 CPTPCT 78-49 T/P RECORDER

605	INT	5340	38 28.8N	54 56.1W	267	IX -17/7-VII-05	ARRAY 2,SET 3	POLYMODE
6051	4C03	V-0178	900	301	76- IX -17	ENDSTCRT	78-49	
6052	4C36	TP#81	1920	165	76- X -13	LPTPCT	78-49	T/P RECORDER
6053	524C	V-0117	900	301	76- IX -17	ENDSTCRT	78-49	
6054	5247	TP#76	1920	264	76- X -13	LPTPCT	78-49	T/P RECORDER
606	INT	5334	37 29.3N	54 59.6W	266	76- X -14/7-VII-05	ARRAY 2,SET 3	POLYMODE
6062	814	TP#41	1920	262	76- X -14	TT	78-49	
6063	1014	V-0181	900	305	76- IX -13	ENDSTCRT	78-49	
6064	1513	M-2747	3600	294	76- IX -23	ENDSTCRT	78-49	
6065	4C13	V-C121	900	304	76- IX -14	ENDSTCRT	78-49	
607	INT	5445	36 30.0N	55 00.0W	264	76- IX -21/77-VII-04	ARRAY 2,SET 3	POLYMODE
6071	647	V-0205	900	300	76- IX -21	ENDSTTP	78-49	
6072	1048	V-0113	900	301	76- IX -17	ENDSTCRT	78-49	
6073	1548	V-C131	900	305	76- IX -13	ENDSTCRT	78-49	
6074	4C47	V-C373	900	300	76- IX -17	ENDSTCRT	78-49	
608	INT	5C54	35 52.8N	55 C4.6W	261	76- X -15/77-VII-04	ARRAY 2,SET 3	POLYMODE
6081	605	V-0129	900	3C1	76- IX -20	ENDSTTT	78-49	
6082	795	TP#34	1920	25S	76- X -16	LPTPCT	78-49	
6083	1005	V-0193	900	3C8	76- IX -13	ENDSTCRT	78-49	
6085	1506	M-1737	3600	275	76- X -12	ENDSTCRT	78-49	
6086	2C03	TP#73	1920	25S	76- X -16	CPPT	78-49	T/P RECORDER
6087	2501	TP#19	1920	259	76- X -16	LPTPCT	78-49	T/P RECORDER
6089	3500	TP#74	1920	259	76- X -16	LPTPCT	78-49	T/P RECORDER
608.11	4506	TP#75	1920	261	76- X -15	TPT	78-49	T/P RECORDER
608.12	5006	V-0134	900	3C6	76- IX -15	ENDSTCRT	78-49	

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*MONITORING *TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET *RECOVERED *REPORT* COMMENTS
*DATA * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
* NC. * DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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POLYMODE									
ARRAY 2, SET 3									
609 INT	5115	35 35.8N	55 04.8W	261	76-	IX -15/77-VII-04			
6091	60C	V-0161	900	298	76-	IX -15 ENDSTCRT	78-49		
6093	100C	V-0366	900	302	76-	IX -15 ENDSTCRT	78-49		
6094	1500	M-191T	3600	294	76-	IX -23 ENDSTCRT	78-49		
6095	3117	TP#79	1920	257	76-	X -17 DPTPCT	78-49	T/P RECORDER	
6096	400C	V-0118	900	298	76-	IX -20 ENDSTCRT	78-49		
6098	5006	V-0134	900	308	76-	IX -13 ENDSTCRT	78-49		
6099	5125	TP#80	1920	257	76-	X -17 DPTPCT	78-49	T/P RECORDER	
610 INT	5487	35 14.5N	55 00.0W	260	76-	IX -28/77-VII-03			
61C1	598	V-0127P	900	293	76-	IX -28 ENDSTTP	78-49		
61C2	995	V-0163	900	298	76-	IX -20 ENDSTCRT	78-49		
61C3	1496	V-0126	900	307	76-	IX -14 ENDSTCRT	78-49		
61C4	3598	V-C386	900	300	76-	IX -17 ENDSTCRT	78-49		
611 INT	55C6	34 55.5N	55 04.8W	258	76-	IX -14/77-VII-02			
6111	601	V-0199	900	304	76-	IX -14 ENDSTCRT	78-49		
6112	796	TP#38	1920	203	76-	X -19 DPTPCT	78-49	T/P RECORDER	
6113	1001	V-0371	900	304	76-	IX -15 ENDSTCRT	78-49		
6114	1501	M-259T	3600	294	76-	X -23 ENDSTTT	78-49		
612 INT	5595	31 35.2N	54 56.0W	246	76-	IX -13/77-VI-21			
6122	803	V-0138	900	282	76-	IX -13 ENDSTCRT	78-49		
6123	763	TP#40	1920	242	76-	X -21 DPTPCT	78-49	T/P RECORDER	
6124	553	DT-5115	900	297	76-	IX -21 ENDSTTT	78-49		
6125	1003	V-0204	900	275	76-	IX -20 ENDSTCRT	78-49		
6126	1503	V-0119	900	282	76-	IX -13 ENDSTCRT	78-49		
6127	2002	V-0180	900	282	76-	IX -13 ENDSTCRT	78-49		
6128	2503	V-0135	900	282	76-	IX -13 ENDSTCRT	78-49		
6129	4003	V-C137	900	280	76-	X -15 ENDSTCRT	78-49		
613 INT	5581	31 33.7N	50 00.2W	--	76-	X -19/77-VI-21			
614 INT	5581	31 32.0N	55 00.8W	82	76-	X -20/77-1-10			

1977

*MUDRING - - - - -
*NC.*TYPE*DEPTH*LATITUDE* LONG. *CAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - -
* NC. *DEPTH*INSTR.* SAMPLING *CAYS*DATA START* VARIABLES*REPORT* COMMENTS
* - - - - -

615	SUB	5584	31 32.7N	54 58.7W	166	77-	1 -08/77- VI-22	INTERNAL WAVE EXPERIMENT MODIFIED TO INCLUDE PRESSURE
6151		599 V-U115P	450	163	77-	1 -09	ENDSPT	T M
6154		771 DT-5106	450	203	76-	XII-27	ENDSPT	T M
6155		773 DT-5107	450	203	76-	XII-27	ENDSPT	T M
6156		776 V-0141	450	176	76-	XII-27	ENDSPT	T M
6157		615 V-0103	450	177	76-	XII-27	ENDSPT	T M
6158		824 V-0114	450	177	76-	XII-27	ENDSPT	T M
6159		826 V-0182	450	177	76-	XII-27	ENDSPT	T M
615,10		595 V-C185	450	177	76-	XII-27	ENDSPT	T M
616	INT	2593 30 54.9N	76 39.0W	357	77-	V -14/78- V -05	WESTERN BOUNDARY UNDERCURRENT PRESSURE DRIFTS 12 DBS	
6161		1995 V-0326P	900	395	77-	V -09	ENDSITP	T M
6163		2756 V-0101	900	374	77-	V -26	ENDSIT	T M
617	INT	3601 30 32.1N	75 06.0W	357	77-	V -14/78- V -06	WESTERN BOUNDARY UNDERCURRENT	
6171		601 V-0201P	900	398	77-	V -09	ENDSITP	T M
6172		2002 V-5101	900	380	77-	V -20	ENDSIT	T M
6173		3602 V-5102	900	379	77-	V -21	ENDSIT	T M
618	INT	4002 30 43.2N	74 11.0W	353	77-	V -15/78- V -03	WESTERN BOUNDARY UNDERCURRENT	
6181		2002 V-0110P	900	359	77-	V -09	ENDSITP	T M
6182		2003 V-0431	900	371	77-	V -27	ENDSIT	T M
6183		3602 V-0105	900	372	77-	V -26	ENDSIT	T M
619	INT	4557 30 48.3N	74 00.5W	?	77-	V -15/ LCST	WESTERN BOUNDARY UNDERCURRENT	
620	SUB	5187 31 03.5N	73 28.8W	353	77-	V -15/78- V -02	WESTERN BOUNDARY UNDERCURRENT	
6201		1558 V-120P	900	399	77-	V -09	ENDSITP	T M
6202		2558 V-5110	900	377	77-	V -20	ENDSIT	T M
6203		4587 V-0433	900	370	77-	V -27	ENDSIT	T M

621	SUB	5453	28 31.ON	7C 26.5W	94	77-	V -17/77-VIII-18	BOTTOM MIXED LAYER EXPERIMENT
6211		5368	V-0325	450	106	77-	V -05 ENCSTT	OK
6212		5388	DT-51C4	450	124	77-	V -22 ENDSTT	OK
6213		5398	DT-5117	450	124	77-	V -22 ENDSTT	OK
6214		5408	DT-5116	450	124	77-	V -22 ENDSTT	OK
6215		5418	DT-5114	450	124	77-	V -22 ENDSTT	OK
6216		5428	DT-51C9	450	124	77-	V -22 ENDSTT	OK
6217		5438	DT-51C8	450	124	77-	V -22 ENDSTT	OK
622	SUB	5453	28 31.ON	70 24.8W	93	77-	V -18/77-VIII-18	BOTTOM MIXED LAYER EXPERIMENT
6221		5418	V-0183	450	120	77-	V -26 ENDSTT	OK
623	SUB	4251	27 24.8N	41 07.7W	349	77-	V -11/78- V -26	POLYMODE
6231		126	V-5113	900	409	77-	V -21 ENDSTT	SAT
6232		456	TP#20	1920	348	77-	V -12 TPT	SAT
6233		643	TP#44	1920	348	77-	V -12 TPT	SAT
6234		1426	M-142T	5.27/3600	361	77-	V -31 ENDSTT	SAT
6235		2801	TP#07	1920	348	77-	V -12 TPT	SAT
6236		3527	M-256T	5.27/3600	389	77-	V -12 TPT	SAT
6237		43C7	TP#62	1920	348	77-	V -12 TPT	SAT
								MOUNTED ON RELEASE
624	SUB	4372	27 17.5N	40 45.5W	347	77-	V -12/78- V -25	POLYMODE
6241		214	TP#27	1920	346	77-	V -13 TPT	SAT
6242		525	M-198C	5.27/3600	388	77-	V -04 ENDSTT	SAT
6243		1528	M-2C7T	5.27/3600	403	77-	V -02 ENDSTT	SAT
6244		2829	TP#28	1S20	346	77-	V -13 TPT	SAT
6245		4C28	M-260T	5.27/3600	215	77-	V -03 ENDSTT	SAT
								CHANNEL A ONLY
625	SUB	4723	27 14.5N	40 21.1W	347	77-	V -14/78- V -25	POLYMODE
6251		189	V-0106	900	343	77-	V -14 ENDSTT	SAT
6252		483	TP#5	1920	346	77-	V -14 TPT	SAT
6253		1488	M-206C	5.27/3600	386	77-	V -04 ENDSTT	SAT
6254		2807	TP#29	1920	346	77-	V -14 TPT	SAT
6255		3S50	M-261T	5.27/3600	387	77-	V -03 ENDSTT	SAT
								CHANNEL B ONLY
626	SUB	4315	26 52.7N	41 12.8W	346	77-	V -13/78- V -25	POLYMODE
6261		215	V-C434	900	100	77-	V -15 ENDSTT	SAT
6262		507	TP#37	1920	344	77-	V -15 TPT	SAT
6263		1514	M-212T	5.27/3600	359	77-	V -31 ENDSTT	SAT
6264		2821	TP#45	1920	344	77-	V -15 TPT	SAT
6265		4C15	M-227C	5.27/3600	400	77-	V -04 ENDSTT	SAT


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*MOORING    -    -    -    -    -    -    -    -    -    -    -    -    -
*$NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET    /RECOVERED *REPORT* COMMENTS
*DATA      -    -    -    -    -    -    -    -    -    -    -    -    -
* NC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS

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ISLAND TRAPPED WAVES						
NO ROTOR VALUES						
633	SUB	1611	32	33.8N	64 44.7W	388
6331		611	V-0325P	900	422	77-
6332		911	V-0139	900	428	77-
6333		1211	V-0183	900	277	XI -14
6334		1511	V-0112	900	423	77- XI -14
						ENDSIT ENDSTT TM
						ELECTRONIC MALFUNCTION AFTER AUG. 6

635	SLB	\$24	32	22.4N	65 00.9W	395	77-XI-17
6352		524	V-0181		900	404	ENDST
6353		624	V-0371		900	4C9	TM
						-14	ENDST
						-14	NO RCTOR VALUES

WESTERN BOUNDARY SILL						
636	SUB	4456	4 02-4N	39 40.5W	362	77- XII-08/78-XII-05
6361		4256	V-0119	900	416	77- XI -02 ENDSTT
6362		4356	M-27UC	5.27/3600	411	77- XI -04 ENDSTT
6363		4406	V-0114	900	416	77- XI -01 ENDSTT
6364		4446	V-0366	900	416	77- XI -01 ENDSTT

	SUB	4304	4 01-2N	39 19.0W	362	77-XII-08/78-XII-05	WESTERN BOUNDARY SILL
6371	4104	V-0134	900	416	77-	XI -01	ENDSTT
6372	4204	M-250C	5.27/3600	380	77-	XI -06	ENDSTT
6372	4254	V-0107	900	416	77-	XI -01	ENDSTT
6374	4294	V-C141	900	416	77-	XI -01	ENDSTT

1978

*MOORING - - - - -
*NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - -
* NC. *DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
* - - - - -

	INT	5362	31 23.1N	69 28.9W	446	78- IV -29/79-VII-20	
6382	602	V-0380	900	478	78- III-29	ENDSTT	NO ROTCR AFTER DEC.25
6383	7C1	TP#79	1920	444	78- V -01	TPT	

	INT	5355	31 69.8N	69 22.0W	447	78- IV -29/79-VII-21	
6391	498	TP#88	1920	445	78- V -01	TPT	LOCAL DYNAMICS EXPERIMENT
6392	599	V-0379	900	488	78- III-29	ENDSTT	
6394	822	V-0195	900	490	78- III-27	ENDSTT	NO ROTCR AFTER DEC.25

	INT	5355	31 01.4N	69 29.9W	447	78- IV -30/79-VII-22	
64C1	245	V-0378	900	489	78- III-27	ENDSTT	LOCAL DYNAMICS EXPERIMENT
64C2	376	V-0115P	900	473	78- IV -13	ENDSTTP	
64C3	494	V-0185	900	489	78- III-27	ENDSTT	
64C4	555	V-C182	900	489	78- III-27	ENDSTT	
64C5	695	V-0180	900	489	78- III-27	ENDSTT	
64C6	82C	V-C179	900	45C	78- III-27	ENDSTT	
64C7	92C	TP#72	1920	446	78- V -02	TPT	
64C8	1044	M-173C	5.27/3600	470	78- IV -28	ENDSTT	NO ROTCR VALUES
64C9	127C	M-277C	5.27/3600	465	78- IV -28	ENDSTT	NO ROTCR VALUES
64C10	1595	M-191C	5.27/3600	472	78- IV -28	ENDSTT	CHANNEL SWITCH PROBLEM
64C11	2995	M-259C	5.27/3600	471	78- IV -12	ENDSTT	CHANNEL SWITCH PROBLEM
64C12	525C	V-C178	900	450	78- III-27	ENDSTT	
64C14	5332	V-C165	900	487	78- III-30	ENDSTT	

*MOORING - - - - -
 *NO.*TYPE*DEPTH*LATITUDE* LONG. *DAYS* SET /RECOVERED *P REPORT* COMMENTS
 *DATA - - - - -
 * DEPTH*INSTR.* SAMPLING *DAYS*DATA START* VARIABLES*REPORT* COMMENTS
 * NO.

641 INT 5349 31 10.1N 69 37.5W 447 78- IV -30/79-VII-22 LOCAL DYNAMICS EXPERIMENT
 6411 494 TP#86 1920 429 78- V -02 TPT
 6412 595 V-C375 900 484 78- III-29 ENDSTT
 6413 695 TP#41 1920 429 78- V -02 TPT
 6414 815 V-0122 900 494 78- III-22 ENDSTT

642 INT 5403 30 58.5N 69 50.0W 446 78- V -01/79-VII-22 LOCAL DYNAMICS EXPERIMENT
 6421 502 TP#87 1920 429 78- V -02 TPT
 6422 603 V-0204 900 490 78- III-27 ENDSTT

643 INT 5375 3C 49.0N 69 36.9W 439 78- V -1C/79-VII-23 LOCAL DYNAMICS EXPERIMENT
 6431 51C TP#83 1920 438 78- V -11 TPT
 6432 611 V-0138 900 493 78- III-23 ENDSTT
 6433 71C TP#73 1920 438 78- V -11 TPT
 6434 834 V-0137 900 493 78- III-23 ENDSTT

644 INT 5366 30 35.5N 69 28.2W 440 78- V -10/79-VII-24 LOCAL DYNAMICS EXPERIMENT
 6441 543 TP#85 1920 438 78- V -11 TPT
 6442 644 V-0164 900 494 78- III-23 ENDSTT
 6443 743 TP#78 1920 438 78- V -11 TPT

645 INT 5367 31 00.7N 69 27.0W ? 78- V -10/LOST LOCAL DYNAMICS EXPERIMENT

646 INT 5339 3C 50.3N 69 22.0W 438 78- V -11/79-VII-23 LOCAL DYNAMICS EXPERIMENT
 6461 492 TP#80 1920 435 78- V -12 TPT
 6462 593 V-0131 900 494 78- III-23 ENDSTT
 6463 693 TP#77 1920 435 78- V -12 TPT
 6464 817 V-C129 900 493 78- III-22 ENDSTT

647 INT 5286 31 C0.0N 69 09.6W 438 78- V -11/79-VII-23 LOCAL DYNAMICS EXPERIMENT
 6471 477 TP#69 1920 435 78- V -12 TPT
 6472 578 V-0126 900 493 78- III-22 ENDSTT
 6473 677 TP#68 1920 435 78- V -12 TPT

ELECTRONIC FAILURE

CLUSTER A SITE POLYMODE									
648	INT	4881	27	51.4N	48	40.8W	515	78-	V-22/79-X-18
6481		178	V-0109		900	587	78-	III-30	ENDSTT
6482		478	TP#73		1920	514	78-	V-23	TPT
6483		828	TP#35		1920	514	78-	V-23	TPT
6484		1479	V-0117		900	588	78-	III-30	ENDSTT
6485		2779	TP#39		1920	514	78-	V-23	TPT
6486		3478	TP#46		1920	514	78-	V-23	TPT
6487		3978	V-0118		900	588	78-	III-29	ENDSTT
CLUSTER B SITE POLYMODE									
649	INT	4268	27	25.6N	41	09.4W	513	78-	V-26/79-X-20
6491		216	V-0108		900	588	78-	III-29	ENDSTT
6492		516	TP#74		1920	512	78-	V-26	TPT
6493		866	TP#30		1920	512	78-	V-26	TPT
6494		1517	M-17>C		5.27/3600				INSTRUMENT FLOODED
6495		2618	TP#40		1920	512	78-	V-26	TPT
6496		3417	TP#81		1920	512	78-	V-26	TPT
6497		4C18	V-0108		900	587	78-	III-30	ENDSTT
ENGINEERING MOORING									
650	INT	3564	38	C3.2N	68	56.4W	200	78-	VII-03/78-XII-20

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*MOORING - - - - - *NO.*TYPE*DEPTH*LATITUDE* LONG.* DAY$* SET /RECOVERED *REPORT* COMMENTS
*DATA - - - - - *NO.*DEPTH*INSTR.* SAMPLING #DAY$*DATA START* VARIABLES*REPORT* COMMENTS

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ATMOSPHERIC DATA									
JASIN		JASIN		JASIN		JASIN		JASIN	
651 SUB	1558	59 01.5N	12 32.0W	41	78- VII-29/78- IX-07	78- VII-22	ENDSTT	78-93	78-93
6511	79	DT-5144	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
6512	82	DT-51C6	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
6513	85	V-326P	900	60	78- VII-23	ENDSTP	78-93	78-93	78-93
6515	91	DT-5107	112.5	60	78- VII-23	ENDSTT	78-93	78-93	78-93
6516	94	V-0177	900	63	78- VII-24	ENDSTT	78-93	78-93	78-93
6517	97	V-0386	900	64	78- VII-23	ENDSTT	78-93	78-93	78-93
6518	100	DT-51C8	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
6519	103	DT-51C9	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
651.10	106	V-0373	900	64	78- VII-23	ENDSTT	78-93	78-93	78-93
651.11	109	V-0381	900	64	78- VII-23	ENDSTT	78-93	78-93	78-93
651.12	112	DT-5114	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
651.13	115	V-0101	900	63	78- VII-24	ENDSTT	78-93	78-93	78-93
651.14	116	V-0105	900	63	78- VII-24	ENDSTT	78-93	78-93	78-93
651.15	121	DT-5115	112.5	61	78- VII-23	ENDSTT	78-93	78-93	78-93
651.16	124	DT-5116	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
651.17	165	DT-5117	112.5	61	78- VII-22	ENDSTT	78-93	78-93	78-93
651.18	200	DT-5101	112.5	59	78- VII-23	ENDSTT	78-93	78-93	78-93
651.19	210	V-0431	900	64	78- VII-23	ENDSTT	78-93	78-93	78-93
651.20	295	DT-5102	112.5	60	78- VII-23	ENDSTT	78-93	78-93	78-93
651.21	300	DT-5110	112.5	60	78- VII-22	ENDSTT	78-93	78-93	78-93
651.22	310	V-0110P	900	60	78- VII-23	ENDSTP	78-93	78-93	78-93
651.23	1000	DT-5105	112.5	60	78- VII-24	ENDSTT	78-93	78-93	78-93
652 SUB	1551	59 01.5N	12 33.0W	39	78- VII-30/78- IX-06	78- VII-24	ENDSTT	78-93	78-93
6520	V-167	900	64	78- VII-24	ENDSTT	78-93	78-93	78-93	78-93
652.10	75	V-0436	900	64	78- VII-23	ENDSTT	78-93	78-93	78-93
653 SLB	1555	59 C1.1N	12 34.3W	39	78- VII-30/78- IX-06	78- VII-21	ENTCPP	78-93	78-93
6531	15	NBIS	180	50	78- VII-21	ENTCPP	78-93	78-93	78-93
6532	17	V-C433	900	63	78- VII-24	ENDSTT	78-93	78-93	78-93
6536	79	DT-5113	112.5	60	78- VII-22	ENDSTT	78-93	78-93	78-93
6537	83	NBIS	180	74	78- VII-21	ENTTC	78-93	78-93	78-93

THE ENE. 654 SUB 1244 32 32.1N 64 47.0W 30 78- XI -17/78-XII-17 AIR DEPLOYABLE MOORING
MCCRINGS SET FROM 1963 THROUGH 1978

SECTION C BIBLIOGRAPHY

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Prepared for the Office of Naval Research under Contract
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General information about mooring locations, durations
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