WHOI-85-8

DESCRIPTIONS OF WHOI SEDIMENT CORES,

VOLUME 7

Prepared by
the Staff of the
Sea Floor Samples Laboratory

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TECHNICAL REPORT

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Approved for Distribution

Richard von Herzen, Chairman
Department of Geology and Geophysics

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ABSTRACT

This report supplements Volumes 1-6 of the core descriptions published previously in this sequence (Johnson and Driscoll, 1975; 1977; Broda, Franks, and Keith, 1981). It contains visual descriptions and smear slide analyses for all cores received in the geological samples collection of the Woods Hole Oceanographic Institution between mid-1980 and mid-1984. Approximately 240 sample localities from the North Atlantic, South Atlantic, Mediterranean and Pacific Oceans are represented. Charts of ships' tracks and updated computer listings of all cores in the W.H.O.I. collection are also included.

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INTRODUCTION

A. Scope and Format of this Report.

In the past decade we have prepared and distributed six volumes of W.H.O.I. Technical Reports (Johnson and Driscoll, 1975; 1977), (Broda, Franks and Keith, 1981) containing descriptive and logistical data for cores comprising the W.H.O.I. geological samples collection. The present report, which represents the seventh volume in the series, includes visual core descriptions and smear slide analysis for all W.H.O.I. cores obtained between mid-1980 and mid-1984. Not included are cores obtained during late-1984 on a cruise in the western equatorial Atlantic Ocean; cores from these and other expeditions in the near future will appear in Volume 8.

This compilation represents approximately 240 coring stations from the Atlantic, Mediterranean and Pacific Oceans. Core descriptions have been grouped according to ship and cruise number and are arranged chronologically for each cruise. A computer listing of the cores taken on each cruise, together with a chart indicating the ship's track, precedes the core descriptions.

The numbers assigned to the geological samples are followed by a letter (or letters) to indicate the method used in obtaining the samples. The letters which have been used are:

- GC - Gravity core
- PC - Piston core
- PG - Pilot gravity core
- GPC - Giant piston core
- GGC - Giant gravity core
- BC - Box core
- CC - Camera (pogo) core
- FF - Free-fall core
- GR - Van Veen Crab
- KC - Kasten core

All cores in the W.H.O.I. collection except the giant piston cores and Kasten cores were obtained with conventional polycarbonate clear plastic core liner. These cores have been split and stored at room temperature in polystyrene D-tubes, with moisture-saturated potting foam sealed inside the D-tubes to retard the loss of moisture from the cores. The giant gravity cores (GGC's) were obtained with thick walled PVC as a core liner and core barrel. These cores were recovered vertically and kept that way until dewatered and capped. Core disturbance was minimized by this process and the surface interval in each giant gravity core should be especially well preserved.

We have retained the original station numbers and core numbers insofar as possible. A gap in the core or station numbering sequence for any given expedition indicates either that the core is not now in the W.H.O.I. geological collection, or that such a core was never obtained due to either equipment malfunction or the lack of recovery of sample material. In some instances, the letter designations for the type of sampling device have been amended or deleted for purposes

of clarity and consistency within the collection. For example, a core now labeled as a "10a-PC" was originally labeled "10a"; the "PC" has been added to identify it as a piston core, and the "a" has been retained to insure proper correlation with the original coring records.

We have attempted to apply uniform procedures in completing the core descriptions and microscopic analyses of smear slides. A more detailed discussion of the WHOI procedures for shipboard core handling, core archiving, core describing, and core photography is included in the following reports:

- (1) Johnson, D. A. and Driscoll, A. H. (1972), "The curating of WHOI's geological collections", Woods Hole Oceanogr. Inst. Tech. Memorandum WHOI-2-72, 20 pp.
- (2) Mountain, G. S. (1973), "Procedures for description of WHOI sediment cores", Woods Hole Oceanogr. Inst. Tech. Memorandum WHOI-7-73, 25 pp.
- (3) Shephard, F. C. (1976), "Procedures for photographing WHOI sediment cores", unpublished MS.

B. Summary of Description Procedures and Sediment Classification System

The following is a summary of the descriptive procedures used in preparing this report; a more complete discussion is included in Volume 1 of this series (Johnson and Driscoll, 1975, pp. 7-21).

1. Visual description

The entire core is laid out in the correct order of sections, and proper labeling is verified. The core is then subdivided into units, which may be distinguished from each other by lithology, color, texture, or special features. Contacts between units are classified as gradational (G) or sharp (S); sharp bottom contacts are further described as horizontal (H), inclined (I), mottled, irregular, or curved (convex upward or downward). The color of the unit is described by comparison with the Munsell Soil Color Chart. When more than one color is dominant, excluding mottles or burrows, each noteworthy color is recorded. When a multitude of fine laminations is present, only the dominant color is recorded.

Textural notation includes descriptive parameters such as grain size and the amount of dehydration, compaction, and lithification. Grain size parameters used are: lutite ($< 4\mu$), silt ($4\mu - 62\mu$), sand ($62\mu - 2\text{ mm}$), and gravel ($> 2\text{ mm}$). Microscopic examination of smear slides is used to determine the lithology and relative abundance of silt- and sand-sized components. Sand and gravel are distinguishable through a magnifying glass and to the unaided eye. Estimation of sizes within the sand range is accomplished by comparison with vials of sieved, standardized sands.

Additional observations fall under the heading of "special features". Graded bedding may be observed in silt-sized or coarser-grained sediment. The range in

grain size and the depth interval over which grading occurs are noted. Graded beds are often burrowed in the fine upper section and have sharp, eroded bottom contacts. Many graded beds may be turbidites, but this generic term is not used in the descriptions of graded beds. Cross-bedding is rarely observed and is generally restricted to silt- or sand-sized sediment. Beds of alternating colors or textures which truncate each other on a scale as small as one mm are described as cross bedding. Laminations and microlaminations (up to 1 mm thickness) are observed and noted.

Poor core recovery, washed sediment, or flow-in are also included as special features. Flow-in may occur in piston cores, and is usually found at the bottom of the core, but may occasionally occur in upper sections as well. It results from insufficient core penetration and subsequent sucking action of the piston upon core pull-out. When flow-in is suspected but cannot be demonstrated visually, verification can be obtained by X-radiography.

2. Smear slide analysis

Smear slides have been prepared and analyzed from the top and bottom of each core, at intervals of approximately one meter within the core, and from each major lithologic unit when closer sampling is required. The smear slides are examined through a polarizing binocular microscope, commonly with a magnification of 80X - 320X. The slide is first scanned at low power for a general indication of its composition. The describer then estimates the percentages of the various components, using standardized smear slides and frequent comparisons between describers in order to give some assurance that percentages are being estimated with some degree of consistency. However, the data tabulated on the smear slide forms should be used only qualitatively as an indication of the relative proportion of various components, and how the relative abundance of each component appears to change within a given core.

The following sediment components represent those most commonly encountered in smear slide analysis, and they are used in identifying the sediment type:

Inorganic Components

- (a) Detrital grains
- (b) Micronodules
- (c) Zeolites
- (d) Volcanic shards
- (e) Pyrite
- (f) Clay

Biogenic Components

Calcareous

- (g) Foraminifera
- (h) Nannofossils
- (i) Discoasters
- (j) Pteropods
- (k) Others

Siliceous

- (l) Diatoms
- (m) Radiolaria
- (n) Sponges
- (o) Silico-flagellates

3. Designation of sediment type

A sediment name is assigned to each sample examined, following the sediment classification scheme summarized in Table 1 and in Figures 1a-1b. These sediment names are recorded on the smear slide description sheet, and serve as a basis for designating one or more sediment types for each lithologic unit.

Each principal lithologic unit is described on the visual description sheets, using the following format:

<u>Descriptive Terms</u>	<u>Explanation</u>
0-112	Depth interval (cm)
CALC OOZE	Sediment type
10 YR 6/4 light yellowish brown	Color
common dark brown mottling throughout	Mottling (if present)
firm, slightly silty lutite	Texture
2 Mn nodules, 2 cm diam., 95-100 cm	Special features
S, inclined 10°	Basal contact

In the lithologic log on the left side of the visual description sheets, appropriate symbols are used to summarize the lithology and any special features which are readily observed macroscopically. A key to the symbols used in the lithologic logs is presented in Figure 2.

TABLE 1: Sediment Classification System

I. MAJOR SEDIMENT NAME: Based on relative proportion of biogenic material ($\text{CaCO}_3 + \text{SiO}_2$) and inorganic material.

A. Oozes: Total biogenic material $\geq 30\%$

Calcareous ooze: $\text{CaCO}_3 \gg \text{SiO}_2$

Calcareous-siliceous ooze: $\text{CaCO}_3 > \text{SiO}_2, \text{SiO}_2 > 5\%$

Siliceous-calcareous ooze: $\text{SiO}_2 > \text{CaCO}_3, \text{CaCO}_3 > 5\%$

Siliceous ooze: $\text{SiO}_2 \gg \text{CaCO}_3$

B. Clays: Total biogenic material $< 30\%$

Highly $\left\{ \begin{array}{l} \text{calcareous} \\ \text{siliceous} \end{array} \right\}$ clay: $15\% \leq \left\{ \begin{array}{l} \text{CaCO}_3 \\ \text{SiO}_2 \end{array} \right\} < 30\%$

Calcareous $\left\{ \begin{array}{l} \text{calcareous} \\ \text{siliceous} \end{array} \right\}$ clay: $5\% \leq \left\{ \begin{array}{l} \text{CaCO}_3 \\ \text{SiO}_2 \end{array} \right\} < 15\%$

Slightly $\left\{ \begin{array}{l} \text{calcareous} \\ \text{siliceous} \end{array} \right\}$ clay: $1\% \leq \left\{ \begin{array}{l} \text{CaCO}_3 \\ \text{SiO}_2 \end{array} \right\} < 5\%$

II. SECONDARY SEDIMENT NAMES: Included when silt- or sand-sized inorganic components are present in excess of 15%.

(MAJOR SEDIMENT NAME) with $\left\{ \begin{array}{l} \text{detrital grains} \\ \text{Mn micronodules} \\ \text{zeolites} \\ \text{volcanic ash} \\ \text{etc.} \end{array} \right\}$: $15\% < \left\{ \begin{array}{l} \text{ } \end{array} \right\} < 30\%$

(MAJOR SEDIMENT NAME) / $\left\{ \begin{array}{l} \text{detrital grains} \\ \text{Mn micronodules} \\ \text{zeolites} \\ \text{volcanic ash} \\ \text{etc.} \end{array} \right\}$: $\left\{ \begin{array}{l} \text{ } \end{array} \right\} \geq 30\%$

FIGURE 1a: Sediment Classification System

* (see Figure 1b)

FIGURE 1b: Sediment Classification System

FIGURE 2: Lithologic Symbols

TABLE 2
PRE-PLEISTOCENE CORES

Virtually all of the cores described in this volume appear to be of Pleistocene age. A few of the cores, however, contain common discoasters in smear slide analyses, and therefore suggest a pre-Pleistocene age. It is beyond the scope of this report to include detailed biostratigraphic analyses; here we simply list those cores which show evidence of being of pre-Pleistocene age, as a guide to further studies:

<u>Cruise</u>	<u>Core No.</u>
AII 107	42 PC
	44 PC
	45 PC
	47 PC
	48 PC
	123 PC
	127 PC
	136 PC
	145 PC
	152 PC
END 066	37 PC
KNR 102	7 PC
	7 PG
	8 PC

D. Digitization of Geological Sample Data

All logistical information about geological samples in the W.H.O.I. core collection is stored on magnetic tape and accessible through computer program MUDDIE. In addition to these data, a summary of the descriptive information for each core has been put into digital form to allow rapid retrieval. Stored information about the samples may be retrieved according to combinations of any of the following parameters: ship, cruise, and leg number; latitude and longitude limits; Marsden Square number(s); water depth interval; core lengths; specific or general sampling device; physiographic province; and rock or sediment type. The program is on line on the Institution's BLUE Vax system, and any investigator need only write, or call the Curator (617-548-1400, ext. 2466) for a current listing of cores in the collection that meet his specifications.

The following summary explains the coded terms used in the computer listings of samples in this report:

Ship Codes

ATL = Atlantis II	END = Endeavor
CIS = Columbus Iselin	SHK = Shackleton
KNR = Knorr	
LLN = U.S. Long Lines	

Sample Devices

The sampling devices used to collect an individual sample are indicated by the following two-digit codes. In cases where various instruments have been added to the primary sampling device, an entry has been made in the VITA CODE column.

- 01 - Campbell Grab
- 02 - Smith-McIntyre Grab
- 03 - Van Veen Grab
- 04 - Dietz-La Fond Snapper
- 05 - Scoopfish
- 06 - Underway Bottom Sampler
- 07 - Pipe Dredge
- 08 - Chain Bag Dredge
- 09 - Anchor Dredge
- 10 - Pipe Dredge, 3 inch
- 11 - Pebble Dredge
- 12 - Pierce Dredge
- 13 - Gravity Core
- 14 - Camera Core
- 15 - Piston Core
- 16 - Giant Piston Core
- 17 - Giant Gravity Core
- 18 - Free Fall Core (Benthos Type)
- 19 - Box Core
- 20 - Kasten Core
- 21 - Hard Rock Core Drill
- 22 - Kennecott Grab
- 23 - Alvin Sediment Core Drill
- 24 - Alvin Manipulator
- 25 - Williams Rock Drill
- 26 - Pilot Core

Fix Types

Types of navigational equipment used to determine the sample location are as follows:

- 00 = Unspecified - (Comment in REMARKS or on COMMENT CARD)
- 01 - Dead Reckoning
- 02 - Visual Bearing
- 03 - Radar Fix
- 04 - Celestial
- 05 - Loran A
- 06 - Loran C
- 07 - VLF
- 08 - Omega
- 09 - Satellite
- 10 - Radar Transponder Buoy
- 11 - Bottom Transponder
- 12 - Final Navigation File*

*Satellite fixes updated by continuous monitoring of ship's speed and heading via gravity acquisition system

Physiographic Province

A general physiographic location has been assigned to each of the samples listed, and can be decoded as follows:

- 01 Insular Shelf
- 02 Continental Shelf (along continental margin)
- 03 Insular Slope
- 04 Continental Slope
- 05 Insular Rise
- 06 Continental Rise
- 07 Marginal Plateau or Borderland, deeper than 100 fms (e.g., Blake Plateau)
- 08 discontinued
- 09 Archipelagic Apron
- 10 Abyssal Plain
- 11 Abyssal Hills
- 12 Seamount or Seamount Province
- 13 Aseismic Oceanic Rise or Ridge (e.g., Rio Grande Rise, Walvis Ridge)
- 14 Ridge Crest
- 15 Ridge Flank
- 16 Axial Valley
- 17 Trench - Insular
- 18 Trench - Continental Margin
- 19 Fracture Zone
- 20 Marginal Sea (e.g., Sea of Okhotsk, North Sea)
- 21 Small Ocean Basin (e.g., Red Sea, Caribbean Sea)
- 22 Inland Fresh Water Lake (e.g., African Lakes)
- 23 Harbor, Shallow Bay (e.g., Buzzards Bay)
- 24 Delta or Cone (e.g., Hudson Canyon)
- 25 Submarine Canyon (e.g., Hudson Canyon)
- 26 Mid-Ocean Canyon or Channel (e.g., Maury Channel, N. Atlantic Mid-Ocean Canyon)
- 99 Unspecified: (Comment in REMARKS or on a COMMENT CARD)

Rock or Sediment Type

A four-digit code has been utilized to produce a rough description for each sediment sample listed. The first and second digits refer to the primary and secondary sediment types found with the sample. Both digits are from the following list.

- 1 - Unfossiliferous clay
- 2 - Silty/sandy clay
- 3 - Calcareous ooze
- 4 - Calcareous clay
- 5 - Siliceous ooze
- 6 - Siliceous clay
- 7 - Foraminiferal sand, pteropod sand
- 8 - Inorganic silt, sand
- 9 - Volcanic glass
- 0 - Other

The third digit explains the relationship of the sediment types to one another.

- 1 - Finely interbedded
- 2 - Gradational contacts
- 3 - Sharp contacts
- 4 - Irregular or disturbed contacts
- 5 - Entire core of uniform lithology
- 6 - Contained in the same lithologic unit
- 7 - Obscured
- 8 - Visually indistinguishable
- 0 - Other

The fourth digit is used to designate special features occurring within the sample.

- 1 - Graded bedding or cross-bedding
- 2 - Extensive mottling or burrowing
- 3 - Manganese nodules
- 4 - Granules or pebbles
- 5 - Shells or shell fragments
- 6 - Pyrite-rich sediment
- 7 - Partially lithified sediment
- 8 - More than one of the above
- 9 - None
- 0 - Other

Vita Code

The VITA CODE is used to amplify the entry made in the DEVICE column and to provide a guide to additional types of data not covered in this listing.

- 40 - with Camera
- 41 - with Heat Flow outrigger probes
- 42 - with Compass
- 43 - with Nephelometer

Vita Code (cont'd)

- 44 - with Velocimeter
- 45 - with Temperature Pinger
- 46 - with Compass and Heat Flow
- 47 - with Camera and Compass
- 48 - with Camera and Nephelometer
- 49 - with Camera and Sound Velocimeter
- 50 - with Camera and Temperature Pinger
- 51 - with Heat Flow and Sound Velocimeter
- 52 - with Heat Flow and Nephelometer
- 53 - with Heat Flow and Temperature Pinger
- 54 - with Camera, Heat Flow, and Compass
- 55 - with Camera, Heat Flow, Compass, and Nephelometer
- 56 - with Camera, Heat Flow, Compass, Nephelometer, and Sound Velocimeter
- 57 - with Camera, Heat Flow, Compass, Nephelometer, Sound Velocimeter, and Temperature Pinger
- 58 - with Camera, Heat Flow, Compass, and Temperature Pinger

E. Procedures for Obtaining Sediment Samples and Additional Core Data

The WHOI Sea Floor Samples Laboratory is prepared to furnish sediment samples and data to interested scientists, researchers, and students inside or outside WHOI who express a legitimate interest and need. Sediment sampling is normally permitted in reasonable quantities, though sampling of recently acquired cores (taken during the preceding two years) is subject to the approval of the appropriate cruise chief scientist or collector of the samples.

The following procedures will serve as a guide to individuals requesting samples:

PROCEDURES FOR REQUESTING SAMPLES

- (1) Requests for samples may be sent directly to the staff scientist engaged in research on the samples, if this person is known. If not known, sample requests should be sent to the Curator's Office, McLean Laboratory, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.
- (2) A request for samples should include a brief summary of the type of research to be undertaken, the nature of the laboratory facilities available, and the source of financial support available for the work. The names of associated investigators should be given, and the nature of their research, facilities, and funding should be indicated if different from that of the applicant.
- (3) If the material requested is within the 2-year period of proprietary access, sample requests will be referred to the appropriate scientists for approval. Otherwise, sample requests will be reviewed by the curator's office.
- (4) The curator's office, in consultation with the appropriate WHOI staff scientist, will advise on the availability of material and on any other conditions that may be appropriate to ensure effective utilization of the material.

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RESPONSIBILITIES OF PERSONS RECEIVING SAMPLES

- (1) The original alpha-numeric samples label should be used in published papers, or any departure from this scheme should be clearly equated with the original labeling system in published papers or data summaries. This labeling system will be explained in the information supplied with the samples.
- (2) Published papers should acknowledge the source of samples and the appropriate grant or funding agency which supported the cruise recovering the samples. This information will be supplied at the time the samples are sent. These papers should also acknowledge the financial support responsible for maintaining the Woods Hole geological samples (NSF Grant OCE82-00119).
- (3) Copies of all published papers, reports, or data summaries utilizing Woods Hole samples should be sent to the appropriate WHOI staff scientist and the WHOI curator.
- (4) The researcher should return all unused samples or portions of samples to the curator at the completion of his work.
- (5) Recipients of samples should not co-opt the services of other investigators or undertake research projects which differ substantially from work originally proposed, without obtaining the approval of the curator and the appropriate staff scientist.

ACKNOWLEDGMENTS

The Woods Hole Core Lab staff has received continuing support and encouragement from John Ewing and Richard von Herzen who have served as Department Chairmen of the Geology and Geophysics Department. Financial support for the Woods Hole Core Lab operations has been provided by the National Science Foundation under Grant No. OCE 82-00119. Partial support for the printing costs of Volume 7 was provided by the Woods Hole Ocean Industry Program.

We have received numerous helpful suggestions from our colleagues on the W.H.O.I. scientific staff concerning procedures for carrying out the descriptive work and presenting the results. We thank Bob Groman and Chris Wooding for frequent assistance in the operation of the MUDDIE computer program, and Bill Dunkle for his assistance in locating original cruise records and station data.

The editors wish to thank Sharon Downey and A. Lawrence Peirson IV for their valuable, individual contributions in the preparation of this volume.

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COMPUTER LISTING OF WHOI SEDIMENT CORES

(ARRANGED BY MARSDEN SQUARES)

Note: The following listing includes cores from all cruises described in Volumes 1 through 7. The listing also includes cores obtained during more recent cruises, even though the descriptions for these cores will appear in later volumes.

WOODS HOLE OCEANOGRAPHIC INSTITUTION

STATION DATA RETRIEVAL FILE

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDD	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SEQ. TYPE	VITA CODE	
MARS DEN SQUARE # 2																	
ATI	20	1	0003	0000	15	56 3 9	0 16.0°N	16 52.0°W	0	2.06	0003	5545.	1232.	0040	19	0000	0
CHN	17	1	0009	0000	15	51 5 1	1 29.0°N	19 43.0°W	0	2.19	0009	4275.	921.	0000	15	0000	0
END	66	1	0027	0000	17	81 528	2 54.0°N	19 56.2°W	1	2.29	0027	4840.	287.	0000	13	0332	0
END	66	1	0028	0000	17	81 529	2 32.0°N	19 48.5°W	1	2.29	0028	4992.	289.	0000	13	3039	0
END	66	1	0029	0000	17	81 529	2 27.6°N	19 45.7°W	1	2.29	0029	5105.	216.	0000	13	3032	0
END	66	1	0030	0000	17	81 529	2 21.5°N	19 42.9°W	1	2.29	0030	5228.	128.	0000	13	0428	0
END	66	1	0031	0000	17	81 529	2 12.7°N	19 40.9°W	1	2.29	0031	5321.	104.	0000	13	3038	0
END	66	1	0032	0000	17	81 529	2 28.3°N	19 44.0°W	1	2.29	0032	4998.	155.	0000	13	3029	0
END	66	1	0033	0000	17	81 529	2 38.6°N	19 45.1°W	1	2.29	0033	4848.	284.	0000	13	3339	0
END	66	1	0034	0000	17	81 530	2 57.2°N	19 50.0°W	1	2.29	0034	4702.	294.	0000	13	3032	0
CHN	99	3	0010	0000	15	70 516	5 5.0°N	19 32.0°W	4	2.59	0009	4522.	895.	0000	10	3738	54
CHN	99	3	0010	0000	26	70 516	5 5.0°N	19 32.0°W	4	2.59	0009	4522.	154.	0000	10	4662	54
END	66	1	0001	0000	26	81 524	8 58.5°N	19 52.0°W	1	2.89	0001	1063.	0.	0000	12	0000	0
END	66	1	0002	0000	26	81 524	8 56.4°N	19 54.8°W	9	2.89	0002	1817.	0.	0000	12	0000	0
CHN	115	1	0008	0000	15	7312 8	9 16.1°N	19 34.9°W	1	2.99	0008	4572.	881.	0000	13	3433	54
CHN	115	1	0008	0000	26	7312 8	9 16.1°N	19 34.9°W	1	2.99	0008	4572.	155.	0000	13	3359	54
CHN	115	1	0010	0000	15	7312 8	9 4.5°N	19 35.1°W	9	2.99	0009	4685.	880.	0000	13	3532	54
CHN	115	1	0010	0000	26	7312 8	9 4.5°N	19 35.1°W	9	2.99	0009	4685.	151.	0000	13	3359	54
CHN	115	1	0011	0000	15	7312 8	9 15.7°N	19 26.4°W	9	2.99	0010	4168.	885.	0000	13	3022	54
CHN	115	1	0011	0000	26	7312 8	9 15.7°N	19 26.4°W	9	2.99	0010	4168.	153.	0000	14	3032	54
MARS DEN SQUARE # 3																	
CHN	35	1	0005	0000	15	53 414	0 16.0°N	28 49.0°W	0	3.08	0005	4315.	1042.	0000	15	0000	0
ATI	20	1	0014	0000	15	56 323	0 39.9°N	29 17.5°W	0	3.09	0014	3800.	1040.	0059	15	0000	0
ATI	20	1	0015	0000	18	56 324	0 40.7°N	29 18.5°W	0	3.09	0015	3475.	4.	0000	15	0000	0
ATI	20	1	0017	0000	18	56 324	0 48.2°N	29 19.2°W	0	3.09	0017	3300.	62.	0000	15	0000	0
ATI	20	1	0019	0000	18	56 324	0 50.6°N	29 19.8°W	0	3.09	0019	2605.	31.	0000	15	0000	0
CHN	99	3	0011	0000	15	70 517	2 4.4°N	20 38.0°W	4	3.20	0010	4596.	1135.	0000	11	3322	54
CHN	99	3	0011	0000	26	70 517	2 4.4°N	20 38.0°W	4	3.20	0010	4596.	81.	0000	11	3082	54
END	66	1	0024	0000	17	81 528	3 50.8°N	20 22.0°W	1	3.30	0024	4518.	298.	0000	13	3322	0
END	66	1	0025	0000	17	81 528	3 32.4°N	20 13.5°W	1	3.30	0025	4630.	286.	0000	13	3038	0
END	66	1	0026	0000	17	81 528	3 5.1°N	20 0.9°W	1	3.30	0026	4745.	292.	0000	13	3022	0
END	66	1	0021	0000	17	81 527	4 14.0°N	20 37.5°W	1	3.40	0021	3792.	274.	0000	13	3322	0
END	66	1	0022	0000	17	81 528	4 10.1°N	20 35.2°W	1	3.40	0022	4079.	0.	0000	13	0000	0
END	66	1	0023	0000	17	81 528	4 10.8°N	20 32.1°W	1	3.40	0023	4122.	261.	0000	13	3022	0
END	66	1	0035	0000	17	81 530	4 9.8°N	20 11.3°W	1	3.40	0035	4430.	81.	0000	13	0328	0
END	66	1	0036	0000	17	81 530	4 18.3°N	20 12.7°W	1	3.40	0036	4095.	287.	0000	13	0329	0

C024

MARSDEN SQUARE # 5

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
AII 20	1	0022	0000	18	66 410	1 7.5°N	44 34.0°W	0	5.14	0022	3910.	82.	0000	4	0000	0
AII 20	1	0023	0000	15	66 412	1 7.0°N	44 40.0°W	0	5.14	0023	3910.	0.	0029	4	0000	0
CHN 115	8	0159	0000	13	74 617	1 12.2°N	48 50.9°W	1	5.18	0093	8.	78.	0000	2	1819	0
CHN 115	8	0160	0000	13	74 617	1 37.5°N	49 1.0°W	1	5.19	0094	10.	128.	0000	2	1861	0
AII 60	2	0005	0000	15	71 216	5 1.0°N	44 14.0°W	1	5.54	0005	3706.	219.	0000	11	3322	41
AII 60	2	0005	0000	26	71 216	5 1.0°N	44 14.0°W	1	5.54	0005	3706.	98.	0000	11	3322	0
AII 20	1	0024	0000	15	66 414	7 20.0°N	45 41.0°W	0	5.75	0024	4400.	0.	0096	21	0000	0
AII 20	1	0025	0000	15	66 414	7 30.0°N	45 46.0°W	0	5.75	0025	4410.	33.	0128	21	0000	0
AII 20	1	0026	0000	15	66 414	7 30.0°N	45 42.0°W	0	5.75	0026	4410.	20.	0000	21	0000	0
AII 20	1	0027	0000	15	66 415	7 44.0°N	46 49.0°W	0	5.75	0027	4450.	112.	0000	21	0000	0
AII 20	1	0030	0000	15	66 419	9 36.0°N	40 37.0°W	0	5.90	0030	3390.	17.	0000	16	0000	0
AII 20	1	0033	0000	15	66 421	9 42.0°N	40 56.0°W	0	5.90	0033	2490.	49.	0000	15	0000	0
AII 31	1	0011	0000	15	67 418	9 58.0°N	40 51.3°W	1	5.90	0011	3469.	182.	0000	19	3859	0
AII 31	1	0011	0000	26	57 418	9 58.0°N	40 51.3°W	1	5.90	0011	3469.	45.	0000	19	3322	0
AII 20	1	0034	0000	13	66 421	9 37.0°N	41 12.0°W	0	5.91	0034	3200.	47.	0000	15	0000	0
AII 20	1	0036	0000	18	66 421	9 36.0°N	41 23.0°W	0	5.91	0036	3770.	98.	0000	15	0000	0
AII 20	1	0038	0000	18	66 422	9 33.0°N	41 40.0°W	0	5.91	0038	4110.	100.	0000	15	0000	0
AII 31	1	0010	0000	15	67 417	9 46.3°N	41 50.0°W	1	5.91	0010	3711.	314.	0000	19	0049	0
AII 31	1	0009	0000	15	67 417	9 35.0°N	42 47.0°W	1	5.92	0009	4355.	577.	0000	19	3342	0
AII 31	1	0009	0000	26	67 417	9 35.0°N	42 47.0°W	1	5.92	0009	4355.	121.	0000	19	3342	0
AII 20	1	0031	0000	15	66 420	9 4.5°N	43 46.0°W	0	5.93	0031	4875.	975.	0000	15	0000	0
AII 31	1	0005	0000	15	57 415	9 38.5°N	43 37.0°W	4	5.93	0006	4757.	565.	0000	19	3349	0
AII 20	1	0028	0000	15	66 418	9 11.0°N	47 2.0°W	0	5.97	0028	4710.	88.	0063	16	0000	0

MARSDEN SQUARE # 8

AII 108	1	0006	0000	15	81 227	13 48.3°N	78 57.0°W	9	8.38	0002	3070.	900.	0000	10	3329	0
AII 108	1	0006	0000	26	81 227	13 48.3°N	78 57.0°W	9	8.38	0002	3070.	134.	0000	10	3329	0
GOS 96	0	0004	0000	20	67 2 2	9 45.7°N	71 45.7°W	0	8.91	0001	31.	134.	0000	2	0000	0
GOS 96	0	0005	0000	20	67 2 2	9 38.1°N	71 36.4°W	0	8.91	0001	25.	309.	0000	2	0000	0
GOS 96	0	0006	0000	20	67 2 2	9 39.0°N	71 29.1°W	0	8.91	0001	30.	400.	0000	2	0000	0
GOS 96	0	0009	0000	20	67 2 3	9 14.7°N	71 23.4°W	0	8.91	0001	23.	325.	0000	2	0000	0
GOS 96	0	0013	0000	20	67 2 4	9 47.9°N	71 22.5°W	0	8.91	0001	28.	397.	0000	2	0000	0
GOS 96	0	0017	0000	20	67 2 5	9 55.4°N	71 22.2°W	0	8.91	0001	33.	326.	0000	2	0000	0

MARSDEN SQUARE # 9

KNR 64	3	0039	0000	15	77 226	0 35.7°N	86 5.4°W	11	9.06	0007	2737.	587.	0000	16	3543	0
KNR 64	3	0046	0000	15	77 3 7	0 36.8°N	86 5.5°W	11	9.06	0008	2699.	783.	0000	16	3543	0
KNR 64	3	0048	0000	15	77 3 8	0 41.5°N	86 4.5°W	9	9.06	0009	2691.	535.	0000	16	3567	0
KNR 64	3	0061	0000	15	77 312	0 35.8°N	86 5.3°W	11	9.06	0010	2739.	453.	0000	16	0033	0
KNR 64	3	0062	0000	17	77 312	0 35.8°N	86 8.0°W	11	9.06	0011	2650.	104.	0000	16	0033	0
KNR 64	3	0062	0000	15	77 312	0 35.8°N	86 8.2°W	11	9.06	0012	2675.	544.	0000	16	3567	0
KNR 64	3	0071	0000	17	77 314	0 36.7°N	86 5.4°W	11	9.06	0014	2729.	220.	0000	16	3567	0
KNR 64	3	0085	0000	15	77 318	0 35.2°N	86 8.0°W	11	9.06	0015	2696.	243.	0000	16	3567	0
KNR 64	3	0086	0000	15	77 318	0 35.8°N	86 5.6°W	11	9.06	0016	2735.	202.	0000	16	3433	0
AII 54	2	0001	0000	15	6911 2	4 53.1°N	83 25.9°W	9	9.43	0001	3395.	868.	0000	11	3567	0
AII 54	2	0001	0000	26	6911 2	4 53.1°N	83 25.9°W	9	9.43	0001	3395.	164.	0000	11	3567	0

MARSDEN SQUARE # 9

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIC- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE # 10

CHN	21	1	0003	0000	15	611011	39 57.8'N	12 18.5'E	1	10.92	0003	3534.	0.	0000	21	0000	0
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MARSDEN SQUARE # 11

AII	108	1	0008	0000	15	81 423	1 5.9'N	105 29.3'W	9	11.15	0004	3575.	583.	0000	11	0039	0
AII	108	1	0008	0000	26	81 423	1 5.9'N	105 29.3'W	9	11.15	0004	3575.	138.	0000	11	0039	0
AII	108	4	0009	0000	15	81 424	1 40.6'N	106 49.6'W	9	11.16	0005	3737.	595.	0000	15	0029	0
AII	108	4	0009	0000	26	81 424	1 40.6'N	106 49.6'W	9	11.16	0005	3737.	123.	0000	15	0039	0
AII	108	4	0010	0000	15	81 426	1 46.5'N	106 51.0'W	9	11.16	0006	3609.	464.	0000	15	0023	0

MARSDEN SQUARE # 12

KNR	73	4	0007	0000	15	78 423	1 45.0'N	118 22.5'W	9	12.18	0017	4078.	869.	0000	11	0000	0
AII	108	4	0011	0000	26	81 428	3 55.9'N	114 11.1'W	9	12.34	0007	3969.	156.	0000	15	0022	0
AII	108	4	0011	0000	15	81 428	3 55.9'N	114 11.1'W	9	12.34	0007	3969.	903.	0000	15	0059	0
AII	108	4	0015	0000	15	81 5 3	3 58.9'N	114 41.5'W	9	12.34	0011	3866.	136.	0000	15	3022	0
AII	108	4	0016	0000	15	81 5 4	3 58.5'N	114 36.6'W	9	12.34	0012	4046.	902.	0000	15	0329	0
AII	108	4	0016	0000	26	81 5 4	3 58.5'N	114 36.6'W	9	12.34	0012	4046.	160.	0000	15	0322	0
AII	108	4	0012	0000	26	81 429	4 4.3'N	114 11.9'W	9	12.44	0008	4049.	138.	0000	15	0329	0
AII	108	4	0012	0000	15	81 429	4 4.3'N	114 11.9'W	9	12.44	0008	4049.	827.	0000	15	0339	0
AII	108	4	0013	0000	26	81 430	4 1.9'N	114 11.2'W	9	12.44	0009	4021.	117.	0000	15	3329	0
AII	108	4	0013	0000	15	81 430	4 1.9'N	114 11.2'W	9	12.44	0009	4021.	897.	0000	15	3329	0
AII	108	4	0014	0000	26	81 5 2	4 6.6'N	114 40.4'W	9	12.44	0010	4101.	60.	0000	15	3022	0
AII	108	4	0014	0000	15	81 5 2	4 6.6'N	114 40.4'W	9	12.44	0010	4101.	857.	0000	15	3329	0
AII	108	4	0017	0000	15	81 5 5	4 3.3'N	114 37.9'W	9	12.44	0013	4053.	805.	0000	15	0322	0
AII	108	4	0017	0000	26	81 5 5	4 3.3'N	114 37.9'W	9	12.44	0013	4053.	154.	0000	15	3029	0
KNR	73	4	0005	0000	15	78 420	4 1.5'N	114 1.1'W	9	12.44	0005	3775.	896.	0000	12	0000	0
KNR	73	4	0011	0000	26	78 420	4 1.5'N	114 1.1'W	9	12.44	0005	3775.	135.	0000	12	3562	0
KNR	73	4	0016	0000	15	78 422	4 0.1'N	114 11.2'W	9	12.44	0006	3805.	924.	0000	12	0000	0
KNR	73	4	0016	0000	26	78 422	4 0.1'N	114 11.2'W	9	12.44	0006	3805.	131.	0000	12	3562	0

MARSDEN SQUARE # 13

KNR	73	4	0018	0000	15	78 425	1 31.0'N	123 52.8'W	9	13.13	0008	4560.	633.	0000	11	3562	0
KNR	73	4	0018	0000	26	78 425	1 31.0'N	123 52.8'W	9	13.13	0008	4560.	134.	0000	11	3562	0

MARSDEN SQUARE # 14

KNR	73	4	0026	0000	15	78 5 2	1 16.2'N	137 15.3'W	1	14.17	0011	4225.	1041.	0000	19	3562	0
KNR	73	4	0026	0000	26	78 5 2	1 16.2'N	137 15.3'W	1	14.17	0011	4225.	122.	0000	19	3332	0

CC26

MARSDEN SQUARE # 15

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE DR DREDGE NUMBER	CORE OR DREDGE DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
KNR 73	4	0029	0000	26	78 5 3	4 30.8°N	140 19.5°W	1	15.41	0012	4341.	127.	0000	12	3359	0

MARSDEN SQUARE # 29

CHN 100	5	0055	0000	15	71 5 4	1 27.2°N	70 47.0°E	1	29.10	0043	4230.	847.	0000	15	3731	0
CHN 100	5	0055	0000	26	71 5 4	1 27.2°N	70 47.0°E	1	29.10	0043	4230.	90.	0000	15	3329	0
CHN 100	5	0058	0000	15	71 5 7	1 20.8°N	75 38.5°E	1	29.15	0045	3524.	564.	0000	13	3329	0
CHN 100	5	0058	0000	26	71 5 7	1 20.8°N	75 38.5°E	1	29.15	0045	3524.	108.	0000	13	3329	0
CHN 100	5	0057	0000	15	71 5 6	1 19.3°N	76 53.6°E	1	29.16	0044	4367.	943.	0000	10	3021	0
CHN 100	5	0057	0000	26	71 5 6	1 19.3°N	76 53.6°E	1	29.16	0044	4367.	117.	0000	10	3969	0
CHN 100	5	0059	0000	15	71 5 9	1 26.2°N	79 9.0°E	1	29.19	0046	4475.	675.	0000	10	3567	0
CHN 100	5	0059	0000	26	71 5 9	1 26.2°N	79 9.0°E	1	29.19	0046	4475.	119.	0000	10	3567	0
AII 15	6	0620	0000	13	65 4 15	4 59.0°N	71 14.0°E	0	29.47	0620	4014.	76.	0000	11	4032	0
AII 15	5	0618	0000	13	65 4 7	7 1.5°N	73 24.0°E	9	29.73	0618	1800.	34.	0000	4	3059	0
AII 15	5	0617	0000	13	65 4 7	7 57.0°N	74 8.0°E	9	29.74	0617	2758.	73.	0000	10	4349	0
AII 15	5	0614	0000	13	65 4 6	9 57.0°N	74 11.0°E	9	29.94	0614	2480.	76.	0000	6	3469	0
AII 15	5	0614	0000	15	65 4 6	9 54.0°N	74 11.0°E	9	29.94	0021	2474.	500.	0000	6	3439	0
AII 15	5	0614	0000	26	65 4 6	9 54.0°N	74 11.0°E	9	29.94	0021	2474.	30.	0000	6	0355	0
AII 15	5	0615	0000	13	65 4 6	9 52.0°N	75 19.0°E	9	29.95	0615	1893.	73.	0000	6	4452	0

MARSDEN SQUARE # 30

CHN 100	5	0053	0000	15	71 5 2	1 33.5°N	65 40.1°E	1	30.15	0041	3433.	511.	0000	15	3731	0
CHN 100	5	0053	0000	26	71 5 2	1 33.5°N	65 40.1°E	1	30.15	0041	3433.	97.	0000	15	3322	0
CHN 100	5	0054	0000	15	71 5 3	1 21.4°N	68 45.6°E	1	30.18	0042	4078.	785.	0000	15	3029	0
CHN 100	5	0054	0000	26	71 5 3	1 21.4°N	68 45.6°E	1	30.18	0042	4078.	114.	0000	15	3352	0
AII 15	4	0572	0000	18	65 3 11	9 13.0°N	60 13.0°E	9	30.90	0572	3705.	100.	0000	15	3322	0

MARSDEN SQUARE # 31

AII 93	7	0235	0000	15	76 5 1	0 32.5°N	51 36.1°E	9	31.01	0018	5109.	891.	0000	10	3340	0
AII 93	7	0035	0000	26	76 5 1	0 32.5°N	51 36.1°E	9	31.01	0018	5109.	151.	0000	10	3342	0
CHN 43	1	0009	0000	13	64 4 7	0 55.0°N	51 38.0°E	1	31.01	0004	5114.	145.	0000	10	3569	41
CHN 100	4	0047	0000	15	71 4 18	0 55.8°N	53 18.3°E	1	31.03	0035	5101.	1064.	0000	10	3561	0
CHN 100	4	0047	0000	26	71 4 18	0 55.8°N	53 18.3°E	1	31.03	0035	5101.	111.	0000	10	5730	0
CHN 100	5	0049	0000	15	71 4 27	1 4.7°N	53 30.0°E	1	31.13	0037	5104.	629.	0000	10	3561	0
CHN 100	5	0049	0000	26	71 4 27	1 4.7°N	53 30.0°E	1	31.13	0037	5104.	107.	0000	10	0732	0
CHN 100	5	0050	0000	15	71 4 28	1 56.7°N	53 59.1°E	1	31.13	0038	5126.	753.	0000	10	5369	0
CHN 100	5	0050	0000	26	71 4 28	1 56.7°N	53 59.1°E	1	31.13	0038	5126.	144.	0000	10	5369	0
CHN 100	5	0051	0000	15	71 4 29	1 49.0°N	56 51.7°E	1	31.16	0039	4782.	727.	0000	10	1339	0
CHN 100	5	0051	0000	26	71 4 29	1 49.0°N	56 51.7°E	1	31.16	0039	4782.	52.	0000	10	1323	0
CHN 100	5	0052	0000	15	71 4 30	1 37.0°N	59 40.7°E	9	31.19	0040	5426.	596.	0000	15	5039	0
CHN 100	5	0052	0000	26	71 4 30	1 37.0°N	59 40.7°E	9	31.19	0040	5426.	148.	0000	15	5032	0
CHN 100	4	0046	0000	15	71 4 17	2 52.0°N	50 13.0°E	1	31.20	0034	5004.	895.	0000	10	3567	0
CHN 100	4	0046	0000	26	71 4 17	2 52.0°N	50 13.0°E	1	31.20	0034	5004.	105.	0000	10	3469	0
CHN 43	1	0069	0000	15	64 5 30	2 49.0°N	59 41.0°E	1	31.29	0023	4215.	325.	0000	15	4969	41
CHN 100	4	0043	0000	15	71 4 15	3 13.7°N	52 23.3°E	1	31.32	0031	5115.	254.	0000	10	5369	0

MARSDEN SQUARE # 31

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 100	4	0043	0000	26	71 415	3 13.7°N	52 23.3°E	1	31.32	0031	5115.	104.	0000	10	3559	0
CHN 100	4	0044	0000	15	71 416	3 14.2°N	52 41.0°E	1	31.32	0032	5123.	959.	0000	10	5331	0
CHN 100	4	0044	0000	26	71 416	3 14.2°N	52 41.0°E	1	31.32	0032	5123.	137.	0000	10	0029	0
CHN 100	4	0045	0000	15	71 416	3 8.0°N	52 38.3°E	1	31.32	0033	5126.	1014.	0000	10	3531	0
CHN 100	4	0045	0000	26	71 416	3 8.0°N	52 38.3°E	1	31.32	0033	5126.	152.	0000	10	5369	0
CHN 100	4	0042	0000	15	71 413	4 27.4°N	51 8.0°E	1	31.41	0030	5049.	1108.	0000	10	0338	0
CHN 100	4	0042	0000	26	71 413	4 27.4°N	51 8.0°E	1	31.41	0030	5049.	98.	0000	10	3539	0
CHN 43	1	0007	0000	15	64 4 7	5 52.0°N	53 51.0°E	1	31.53	0001	4944.	582.	0000	19	3469	41
CHN 100	4	0040	0000	15	71 4 8	6 55.4°N	54 41.7°E	1	31.64	0029	5106.	1156.	0000	10	0731	0
CHN 100	4	0040	0000	26	71 4 8	6 55.4°N	54 41.7°E	1	31.64	0029	5106.	152.	0000	10	3359	0
CHN 100	4	0037	0000	15	71 4 7	7 43.9°N	54 45.5°E	1	31.74	0027	5102.	1149.	0000	10	3021	0
CHN 100	4	0037	0000	26	71 4 7	7 51.9°N	54 45.5°E	1	31.74	0027	5102.	145.	0000	10	3569	0
CHN 100	4	0038	0000	15	71 4 7	7 4.5°N	55 57.6°E	1	31.75	0028	4250.	431.	0000	15	3328	0
CHN 100	4	0038	0000	26	71 4 7	7 4.5°N	55 57.6°E	1	31.75	0028	4250.	100.	0000	15	3322	0
CHN 100	4	0036	0000	15	71 4 6	7 48.0°N	56 12.2°E	1	31.76	0026	4680.	1142.	0000	15	3562	0
CHN 100	4	0035	0000	26	71 4 6	7 48.0°N	56 12.2°E	1	31.76	0026	4680.	112.	0000	15	3569	0
ATL 15	4	0558	0000	15	65 3 1	8 59.0°N	51 44.0°E	9	31.81	0009	3985.	870.	0000	4	0019	0
ATL 15	4	0558	0000	26	65 3 1	8 59.0°N	51 44.0°E	9	31.81	0009	3985.	39.	0000	4	0029	0
ATL 15	4	0560	0000	15	65 3 3	8 58.5°N	52 2.0°E	9	31.82	0010	4350.	665.	0000	6	3342	0
ATL 15	4	0560	0000	26	65 3 3	8 58.5°N	52 2.0°E	9	31.82	0010	4350.	23.	0000	6	3959	0
ATL 15	4	0561	0000	15	65 3 4	8 58.0°N	52 20.0°E	9	31.82	0011	4722.	998.	0000	6	0649	0
ATL 15	4	0568	0000	15	65 3 9	8 59.0°N	54 47.0°E	9	31.84	0015	4950.	1179.	0000	10	4661	0
ATL 15	4	0568	0000	26	65 3 9	8 59.0°N	54 47.0°E	9	31.84	0015	4950.	55.	0000	10	0059	0
ATL 15	4	0569	0000	18	65 3 9	8 58.5°N	55 2.0°E	9	31.86	0569	4001.	105.	0000	10	0369	0
ATL 15	4	0563	0000	15	65 3 6	9 11.0°N	52 23.5°E	9	31.92	0012	4499.	849.	0000	4	0342	0
ATL 15	4	0563	0000	26	65 3 6	9 11.0°N	52 23.5°E	9	31.92	0012	4499.	39.	0000	4	0059	0
ATL 15	4	0564	0000	15	65 3 7	9 5.0°N	53 6.0°E	9	31.93	0013	4824.	0.	0000	6	0000	0
ATL 15	4	0565	0000	15	65 3 7	9 2.0°N	53 40.5°E	9	31.93	0014	4852.	1050.	0000	6	0049	0
ATL 15	4	0565	0000	26	65 3 7	9 2.0°N	53 40.5°E	9	31.93	0014	4852.	69.	0000	6	3029	0

MARSDEN SQUARE # 33

ZZZ 72	3	0002	0000	15	72 3 0	1 29.2°N	30 42.9°E	1	33.10	0002	40.	532.	0000	22	5545	0
ZZZ 72	3	0003	0000	15	72 3 0	1 31.2°N	30 34.5°E	1	33.10	0003	55.	484.	0000	22	5645	0
ZZZ 72	3	0004	0000	15	72 3 0	1 41.8°N	30 45.0°E	1	33.10	0004	50.	499.	0000	22	5038	0
ZZZ 72	3	0005	0000	15	72 3 0	1 45.8°N	30 45.0°E	1	33.10	0005	55.	499.	0000	22	5048	0
ZZZ 70	0	0004	0000	15	70 4 3	7 18.0°S	30 11.0°E	2	33.70	0004	717.	33.	0000	22	8240	0

MARSDEN SQUARE # 34

ZZZ 70	0	0014	0000	15	70 410	5 35.0°S	29 21.0°E	2	34.59	0014	29.	44.	0000	22	1229	0
ZZZ 70	0	0015	0000	15	70 410	5 33.0°S	29 28.0°E	2	34.59	0015	533.	229.	0000	22	6519	0
ZZZ 70	0	0018	0000	15	70 411	5 45.0°S	29 25.0°E	2	34.59	0018	64.	141.	0000	22	6519	0
ZZZ 70	0	0019	0000	15	70 411	5 56.0°S	29 32.0°E	2	34.59	0019	361.	200.	0000	22	6819	0
ZZZ 70	0	0001	0000	15	70 4 3	6 0.5°S	29 30.9°E	2	34.69	0001	0.	120.	0000	22	6626	0
ZZZ 70	0	0006	0000	15	70 4 6	6 51.0°S	29 58.0°E	2	34.69	0006	245.	165.	0000	22	1530	0
ZZZ 70	0	0006	0000	15	70 4 6	6 51.0°S	29 58.0°E	2	34.69	0006	245.	165.	0000	22	1530	0
ZZZ 70	0	0007	0000	15	70 4 7	6 59.0°S	29 51.0°E	2	34.69	0007	285.	66.	0000	22	5211	0

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MARSDEN SQUARE # 34

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	CORE OR DREDGE DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
ZZZ 70	0	0010	0000	15	70 4 7	6 27.0'S	29 33.0'E	2	34.69	0010	114.	122.	0000	22	5220	0
ZZZ 70	0	0011	0000	15	70 4 8	6 23.0'S	29 35.0'E	2	34.69	0011	201.	123.	0000	22	1519	0

MARSDEN SQUARE # 38

CHN 99	3	0009	0000	15	70 514	10 30.8'N	18 18.5'W	1	38.08	0008	4014.	856.	0000	6	2429	0
CHN 99	3	0009	0000	26	70 514	10 30.8'N	18 18.5'W	1	38.08	0008	4014.	178.	0000	6	0329	0

MARSDEN SQUARE # 39

CHN 17	1	0012	0000	15	61 5 4	10 49.0'N	29 24.0'W	0	39.09	0012	5781.	1163.	0000	15	0000	0
AIH 42	1	0001	0000	15	68 629	16 26.0'N	21 43.0'W	1	39.61	0001	3596.	258.	0000	6	3739	54
AIH 42	1	0002	0000	15	68 630	18 2.0'N	24 27.0'W	1	39.84	0002	3696.	600.	0000	5	3241	54
AIH 42	1	0003	0000	15	68 7 1	19 41.0'N	26 9.0'W	1	39.96	0003	4550.	1200.	0000	6	3329	54
AIH 42	1	0004	0000	15	68 7 2	19 43.5'N	29 2.0'W	1	39.99	0004	4695.	1135.	0000	11	3429	54

MARSDEN SQUARE # 40

AIH 42	1	0006	0000	15	68 7 3	19 51.5'N	31 53.0'W	1	40.91	0005	4937.	1065.	0000	11	3429	54
AIH 42	1	0007	0000	15	68 7 4	19 39.0'N	34 24.5'W	1	40.94	0006	5161.	870.	0000	11	3340	54
AIH 42	1	0008	0000	15	68 7 4	19 30.0'N	36 32.0'W	1	40.96	0007	5376.	815.	0000	11	4129	54
AIH 42	1	0009	0000	15	68 7 5	19 31.8'N	38 49.5'W	1	40.98	0008	5235.	879.	0000	15	1379	54

MARSDEN SQUARE # 41

AIH 31	1	0012	0000	15	67 418	10 20.0'N	41 17.5'W	1	41.01	0012	3182.	511.	0000	19	3349	0
AIH 31	1	0012	0000	26	67 418	10 20.0'N	41 17.5'W	1	41.01	0012	3182.	78.	0000	19	3322	0
AIH 31	1	0008	0000	15	67 416	10 48.5'N	42 56.0'W	4	41.02	0008	5179.	388.	0000	19	0379	0
AIH 20	1	0001	0000	13	66 3 8	10 54.0'N	43 55.0'W	0	41.03	0001	5180.	0.	0043	19	0000	0
AIH 20	1	0042	0000	18	66 423	10 42.0'N	43 23.0'W	0	41.03	0042	4570.	101.	0000	15	0000	0
AIH 20	1	0043	0000	18	66 423	10 38.0'N	43 23.0'W	0	41.03	0043	3550.	87.	0000	15	0000	0
AIH 20	1	0044	0000	18	66 424	10 44.0'N	43 23.0'W	0	41.03	0044	5140.	84.	0000	15	0000	0
AIH 20	1	0045	0000	18	66 424	10 50.0'N	43 23.0'W	0	41.03	0045	5150.	73.	0000	19	0000	0
AIH 31	1	0007	0000	15	67 416	10 29.0'N	43 41.5'W	4	41.03	0007	4607.	525.	0000	19	3662	0
AIH 31	1	0007	0000	26	67 416	10 29.0'N	43 41.5'W	4	41.03	0007	4607.	22.	0000	19	3662	0
AIH 31	1	0001	0000	15	67 4 9	10 45.0'N	44 51.0'W	4	41.04	0001	3836.	304.	0000	16	3849	0
AIH 31	1	0001	0000	26	67 4 9	10 45.0'N	44 51.0'W	4	41.04	0001	3836.	53.	0000	16	3849	0
AIH 31	1	0002	0000	15	67 412	10 35.0'N	44 51.0'W	4	41.04	0002	5106.	699.	0000	19	8240	0
AIH 31	1	0002	0000	26	67 412	10 35.0'N	44 51.0'W	4	41.04	0002	5106.	18.	0000	19	1249	0
AIH 31	1	0003	0000	15	67 413	10 54.5'N	44 7.0'W	4	41.04	0003	4389.	692.	0000	19	2839	0
AIH 31	1	0003	0000	26	67 413	10 54.5'N	44 7.0'W	4	41.04	0003	4389.	53.	0000	19	2349	0
AIH 31	1	0004	0000	15	67 415	10 49.0'N	44 10.0'W	4	41.04	0004	5154.	538.	0000	19	2349	0
AIH 31	1	0004	0000	26	67 415	10 49.0'N	44 10.0'W	4	41.04	0004	5154.	98.	0000	19	2349	0
AIH 31	1	0005	0000	15	67 414	10 22.0'N	44 18.0'W	4	41.04	0005	4945.	593.	0000	19	2329	0
AIH 31	1	0013	0000	15	67 419	11 20.3'N	41 51.8'W	1	41.11	0013	4204.	530.	0000	19	3029	0
AIH 31	1	0013	0000	26	67 419	11 20.3'N	41 51.8'W	1	41.11	0013	4204.	119.	0000	19	3329	0

MARSDEN SQUARE # 41

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH	DREDGE	PHYSIO- GRAPHIC PROV.	ROCK	VITA
													OR END DEPTH	OR SAMPLE WEIGHT		OR SED. TYPE	CODE
ATI	31	1	0014	0000	15	67 420	11 32.0°N	42 42.5°W	1	41.12	0014	3846.	468.	0000	19	3329	0
ATI	31	1	0014	0000	26	67 420	11 32.0°N	42 42.5°W	1	41.12	0014	3846.	69.	0000	19	3329	0
ATI	20	1	0052	0000	13	66 425	11 32.0°N	43 49.0°W	0	41.13	0052	2850.	0.	0032	19	0000	0
ATI	20	1	0053	0000	18	66 425	10 32.0°N	43 51.0°W	0	41.13	0053	3725.	84.	0000	15	0000	0
ATI	31	1	0015	0000	15	67 420	11 53.1°N	43 47.4°W	1	41.13	0015	3940.	566.	0000	19	3340	0
ATI	31	1	0015	0000	26	67 420	11 53.1°N	43 47.4°W	1	41.13	0015	3940.	83.	0000	19	3739	0
ATI	20	1	0046	0000	13	66 424	11 27.0°N	44 33.0°W	0	41.14	0046	4025.	0.	0098	15	0000	0
ATI	20	1	0047	0000	13	66 424	11 27.0°N	44 33.0°W	0	41.14	0047	3475.	0.	0032	15	0000	0
ATI	20	1	0048	0000	18	66 424	11 26.0°N	44 15.0°W	0	41.14	0048	3340.	41.	0000	15	0000	0
ATI	20	1	0049	0000	13	66 425	11 27.0°N	44 3.0°W	0	41.14	0049	2885.	35.	0000	15	0000	0
ATI	31	1	0016	0000	15	67 421	11 57.5°N	46 10.0°W	1	41.16	0016	4217.	512.	0000	19	3322	0
ATI	31	1	0016	0000	26	67 421	11 57.5°N	46 10.0°W	1	41.16	0016	4217.	150.	0000	19	3329	0
ATI	20	1	0055	0000	18	66 427	11 34.0°N	47 27.0°W	0	41.17	0055	4870.	104.	0000	15	0000	0
ATI	31	1	0017	0000	15	67 422	11 54.5°N	48 26.0°W	1	41.18	0017	4824.	848.	0000	19	3426	0
ATI	31	1	0017	0000	26	67 422	11 54.5°N	48 26.0°W	1	41.18	0017	4824.	40.	0000	19	3136	0
CHN	75	2	0029	0000	15	671123	12 58.4°N	44 34.1°W	10	41.24	0019	3266.	488.	0000	14	3769	54
CHN	75	2	0029	0000	26	671123	12 58.4°N	44 34.1°W	10	41.24	0019	3266.	72.	0000	14	3759	0
CHN	75	2	0030	0000	15	671123	12 57.0°N	44 46.2°W	10	41.24	0020	3512.	508.	0000	16	3324	41
CHN	75	2	0030	0000	26	671123	12 57.0°N	44 46.2°W	10	41.24	0020	3612.	93.	0000	16	3329	0
CHN	75	2	0032	0000	15	671124	13 2.0°N	46 55.0°W	10	41.26	0022	3276.	435.	0000	14	3329	54
CHN	75	2	0032	0000	26	671124	13 2.0°N	46 55.0°W	10	41.26	0022	3276.	147.	0000	14	3329	0
CHN	75	2	0035	0000	15	671126	13 3.5°N	49 45.5°W	1	41.29	0025	4966.	150.	0000	11	3430	54
CHN	75	2	0035	0000	26	671126	13 3.5°N	49 45.5°W	1	41.29	0025	4966.	140.	0000	11	3329	0
CHN	75	2	0018	0000	15	671117	13 22.8°N	43 53.8°W	4	41.33	0016	3742.	860.	0000	15	3729	54
CHN	75	2	0018	0000	26	671117	13 22.8°N	43 53.8°W	4	41.33	0016	3742.	47.	0000	15	3329	0
CHN	75	2	0019	0000	15	671117	13 24.0°N	44 38.5°W	4	41.34	0017	3093.	143.	0000	16	3329	54
CHN	75	2	0019	0000	26	671117	13 24.0°N	44 38.5°W	4	41.34	0017	3093.	62.	0000	16	3329	0
CHN	75	2	0020	0000	15	671118	13 22.0°N	45 23.7°W	4	41.35	0018	3538.	860.	0000	16	3329	54
CHN	75	2	0020	0000	26	671118	13 22.0°N	45 23.7°W	4	41.35	0018	3538.	92.	0000	16	3329	0
CHN	75	2	0031	0000	15	671124	13 0.0°N	45 57.5°W	10	41.35	0021	3229.	714.	0000	14	3722	54
CHN	75	2	0031	0000	26	671124	13 0.0°N	45 57.5°W	10	41.35	0021	3229.	132.	0000	14	3322	0
ATI	20	1	0056	0000	18	66 429	13 52.0°N	56 56.0°W	0	41.36	0056	4870.	114.	0000	10	0000	0
CHN	75	2	0016	0000	15	671113	13 21.5°N	46 10.5°W	1	41.36	0014	3718.	398.	0000	15	3329	54
CHN	75	2	0015	0000	15	671112	13 55.4°N	47 2.0°W	1	41.37	0013	4140.	790.	0000	15	3029	54
CHN	75	2	0033	0000	15	671125	13 4.2°N	47 59.2°W	4	41.37	0023	4067.	45.	0000	19	0853	54
CHN	75	2	0034	0000	15	671125	13 1.3°N	48 50.8°W	1	41.38	0024	4598.	900.	0000	15	3432	54
CHN	75	2	0034	0000	26	671125	13 1.3°N	48 50.8°W	1	41.38	0024	4598.	133.	0000	15	3329	0
CHN	75	2	0014	0000	15	671112	14 18.0°N	48 11.2°W	4	41.48	0017	4069.	760.	0000	11	3739	54
CHN	75	2	0013	0000	15	671111	14 12.5°N	49 9.0°W	4	41.49	0011	4474.	192.	0000	11	3329	54
CHN	75	2	0013	0000	26	671111	14 12.5°N	49 9.0°W	4	41.49	0011	4474.	82.	0000	11	3752	0
ATI	42	1	0011	0000	15	68 7 6	19 34.0°N	40 30.0°W	1	41.90	0010	5654.	705.	0000	15	2279	54
ATI	42	1	0012	0000	15	68 7 6	19 37.0°N	41 37.0°W	1	41.91	0011	5070.	702.	0000	15	3432	54
ATI	42	1	0013	0000	15	68 7 7	19 40.0°N	42 44.0°W	1	41.92	0012	4043.	745.	0000	15	3349	54
ATI	42	1	0014	0000	15	68 7 7	19 34.0°N	43 49.0°W	1	41.93	0013	4107.	711.	0000	14	3322	54
ATI	42	1	0015	0000	15	68 7 7	19 34.0°N	44 57.0°W	1	41.94	0014	3515.	95.	0000	15	3379	54
ATI	42	1	0016	0000	15	68 711	19 41.5°N	44 33.0°W	1	41.94	0015	4040.	737.	0000	15	3349	54
ATI	42	1	0017	0000	15	68 713	19 33.8°N	46 7.8°W	1	41.96	0016	2471.	560.	0000	15	3349	54
ATI	42	1	0022	0000	15	68 715	19 13.0°N	47 27.0°W	1	41.97	0017	4320.	748.	0000	16	3731	54
ATI	42	1	0023	0000	15	68 716	19 13.2°N	47 26.0°W	1	41.97	0018	4321.	807.	0000	15	3341	54
ATI	42	1	0030	0000	15	68 717	19 8.8°N	47 27.0°W	1	41.97	0019	3942.	672.	0000	15	3322	54

MARSDEN SQUARE # 41

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID- SED. GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
ATI	42	1	0032	0000	15	68 718	19 41.0°N	48 39.0°W	1	41.98	0020	4254.	544.	0000	15	3320 54

MARSDEN SQUARE # 42

CHN	75	2	0038	0000	15	671127	12 49.0°N	52 45.5°W	1	42.22	0028	5107.	57.	0000	10	4969 54
CHN	75	2	0039	0000	15	671128	12 15.0°N	54 15.0°W	1	42.24	0029	4675.	865.	0000	6	3420 54
CHN	75	2	0039	0000	26	671128	12 15.0°N	54 15.0°W	1	42.24	0029	4675.	178.	0000	6	3329 0
CHN	75	2	0040	0000	15	671128	12 10.0°N	54 44.0°W	1	42.25	0030	4526.	718.	0000	6	3939 54
CHN	75	2	0041	0000	15	671129	12 9.0°N	56 49.0°W	1	42.26	0031	4437.	10.	0000	6	3359 54
CHN	75	2	0041	0000	26	671129	12 9.0°N	56 49.0°W	1	42.26	0031	4437.	149.	0000	6	3339 0
CHN	75	2	0042	0000	15	671130	12 2.5°N	57 56.5°W	1	42.27	0032	2819.	765.	0000	3	3335 54
CHN	75	2	0043	0000	15	671130	12 11.0°N	59 3.0°W	1	42.29	0033	2173.	693.	0000	3	3932 54
CHN	75	2	0036	0000	15	671126	13 2.5°N	50 46.5°W	1	42.30	0026	4816.	445.	0000	11	4329 54
CHN	75	2	0036	0000	26	671126	13 2.5°N	50 46.5°W	1	42.30	0026	4816.	160.	0000	11	4969 0
CHN	75	2	0037	0000	15	671126	13 5.5°N	51 18.5°W	1	42.31	0027	5005.	435.	0000	10	3929 54
CHN	75	2	0037	0000	26	671126	13 5.5°N	51 18.5°W	1	42.31	0027	5005.	180.	0000	10	3969 0
CHN	75	2	0012	0000	15	671110	14 15.0°N	50 51.0°W	1	42.40	0010	4783.	815.	0000	10	1429 54
CHN	75	2	0012	0000	26	671110	14 15.0°N	50 51.0°W	1	42.40	0010	4783.	138.	0000	10	1329 0
CHN	75	2	0011	0000	15	671110	14 18.0°N	52 37.5°W	4	42.42	0009	5061.	580.	0000	10	3432 54
CHN	75	2	0011	0000	26	671110	14 18.0°N	52 37.5°W	4	42.42	0009	5061.	154.	0000	10	3432 0
CHN	75	2	0010	0000	15	6711 9	14 9.5°N	54 7.0°W	4	42.44	0008	5342.	515.	0000	10	9469 54
CHN	75	2	0010	0000	26	6711 9	14 9.5°N	54 7.0°W	4	42.44	0008	5342.	89.	0000	10	9469 0
CHN	75	2	0009	0000	15	6711 8	14 14.0°N	55 47.2°W	4	42.45	0007	5141.	792.	0000	10	1429 54
CHN	75	2	0009	0000	26	6711 8	14 14.0°N	55 47.2°W	4	42.45	0007	5141.	173.	0000	10	3322 0
CHN	75	2	0008	0000	15	6711 7	14 1.0°N	57 23.5°W	4	42.47	0006	5177.	625.	0000	5	1629 54
CHN	75	2	0008	0000	26	6711 7	14 1.0°N	57 23.5°W	4	42.47	0006	5177.	92.	0000	5	3969 0
CHN	75	2	0007	0000	15	6711 6	14 14.5°N	58 24.9°W	4	42.48	0005	3550.	625.	0000	7	3969 54
CHN	75	2	0007	0000	26	6711 6	14 14.5°N	58 24.9°W	4	42.48	0005	3550.	56.	0000	7	3969 0
CHN	75	2	0006	0000	15	6711 5	14 17.5°N	59 35.0°W	1	42.49	0004	3364.	326.	0000	7	3739 40
CHN	75	3	0044	0000	15	671211	15 59.4°N	57 43.8°W	4	42.57	0034	5432.	834.	0000	19	1969 54
CHN	36	1	0006	0000	13	63 626	16 45.0°N	57 38.5°W	4	42.67	0005	5854.	78.	0000	17	1839 0
CHN	36	1	0007	0000	13	63 627	16 46.5°N	57 47.5°W	5	42.67	0006	5854.	32.	0000	17	2839 0
CHN	36	1	0009	0000	13	63 627	16 33.5°N	57 50.7°W	5	42.67	0007	4342.	244.	0000	17	3332 0
CHN	36	1	0010	0000	13	63 628	16 35.0°N	57 54.7°W	5	42.67	0008	4327.	240.	0000	17	3329 0
CHN	75	3	0045	0000	26	671211	16 51.0°N	57 37.8°W	1	42.67	0035	5844.	111.	0000	19	1969 0
CHN	75	3	0045	0000	15	671212	16 54.9°N	57 38.0°W	1	42.67	0036	5838.	109.	0000	19	9169 54
CHN	75	3	0045	0000	26	671212	16 54.9°N	57 38.0°W	1	42.67	0036	5838.	145.	0000	19	9169 0
CHN	36	1	0011	0000	13	63 628	16 57.0°N	58 24.0°W	4	42.68	0009	5879.	81.	0000	17	1239 0
CHN	36	1	0013	0000	13	63 629	16 18.2°N	58 36.0°W	5	42.68	0010	5538.	155.	0000	17	1939 0
CHN	36	1	0014	0000	13	63 629	16 45.0°N	58 27.6°W	1	42.68	0011	4198.	82.	0000	17	3329 0
CHN	44	1	0033	0000	15	6411 1	16 44.0°N	58 27.0°W	5	42.68	0001	4006.	84.	0000	19	3969 0
CHN	44	1	0038	0000	15	6411 3	17 4.0°N	57 57.0°W	5	42.77	0006	5546.	100.	0000	19	1129 0
CHN	75	3	0046	0000	15	671212	17 35.5°N	57 43.0°W	5	42.77	0037	5680.	75.	0000	19	9469 54
CHN	75	3	0046	0000	26	671212	17 35.5°N	57 43.0°W	5	42.77	0037	5680.	145.	0000	19	9469 0
CHN	44	1	0035	0000	15	6411 2	17 3.0°N	58 16.0°W	5	42.78	0003	5767.	273.	0000	19	1923 0
CHN	44	1	0034	0000	15	6411 2	17 2.0°N	58 15.0°W	5	42.78	0004	5856.	25.	0000	19	2969 0
CHN	36	1	0005	0000	13	63 625	17 17.5°N	59 27.0°W	4	42.79	0004	6080.	128.	0000	17	2839 0
ATI	31	1	0019	0000	15	67 425	18 3.0°N	59 8.0°W	1	42.89	0018	5534.	748.	0000	16	1223 0
ATI	31	1	0019	0000	26	67 425	18 3.0°N	59 8.0°W	1	42.89	0018	5534.	98.	0000	16	6639 0

CC31

MARSDEN SQUARE # 42

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDD	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE # 43

GOS 96	0	0025	0000	20	67 212	10 31.7'N	62 11.0'W	0	43.02	0001	18.	332.	0000	2	0000	0
GOS 96	0	0026	0000	20	67 212	10 29.6'N	62 30.0'W	0	43.02	0001	8.	357.	0000	2	0000	0
GOS 96	0	0028	0000	20	67 212	10 24.6'N	62 19.8'W	0	43.02	0001	12.	359.	0000	2	0000	0
GOS 96	0	0029	0000	20	67 212	10 14.2'N	62 22.2'W	0	43.02	0001	9.	265.	0000	2	0000	0
ATL 240	1	0017	0000	15	5711 7	10 32.6'N	64 51.2'W	5	43.04	0017	1348.	750.	0000	18	4731	0
ATL 240	1	0018	0000	15	5711 7	10 30.8'N	64 40.0'W	5	43.04	0018	1370.	952.	0000	18	4839	0
ATL 240	1	0019	0000	15	5711 8	10 22.3'N	64 42.5'W	5	43.04	0019	177.	612.	0000	18	3845	0
ATL 240	1	0020	0000	15	5711 8	10 24.0'N	64 41.2'W	5	43.04	0020	822.	915.	0000	18	4176	0
ATL 240	1	0021	0000	15	5711 9	10 26.2'N	64 41.5'W	5	43.04	0021	980.	885.	0000	18	3029	0
ATL 240	1	0022	0000	15	5711 9	10 34.0'N	64 41.8'W	5	43.04	0022	1281.	580.	0000	18	4378	0
ATL 240	1	0023	0000	15	5711 9	10 47.2'N	64 39.6'W	5	43.04	0023	278.	903.	0000	18	3075	0
ATL 246	0	0062	0000	15	5811 2	10 41.3'N	64 40.0'W	5	43.04	0024	342.	653.	0000	18	3479	0
ATL 246	0	0062	0000	26	5811 2	10 41.3'N	64 40.0'W	5	43.04	0024	342.	61.	0000	18	3555	0
ATL 246	0	0063	0000	15	5811 2	10 57.0'N	64 38.5'W	5	43.04	0025	338.	1027.	0000	18	4029	0
ATL 246	0	0063	0000	26	5811 2	10 57.0'N	64 38.5'W	5	43.04	0025	338.	88.	0000	18	4029	0
ATL 240	1	0007	0000	15	5711 2	10 48.0'N	65 51.5'W	5	43.05	0007	253.	357.	0000	18	3769	0
ATL 240	1	0008	0000	15	5711 2	10 44.0'N	65 51.7'W	5	43.05	0008	526.	542.	0000	18	3769	0
ATL 240	1	0009	0000	15	5711 3	10 40.7'N	65 51.5'W	5	43.05	0009	1342.	375.	0000	18	2348	0
ATL 240	1	0010	0000	15	5711 3	10 36.7'N	65 49.8'W	5	43.05	0010	673.	450.	0000	18	3349	0
ATL 240	1	0011	0000	15	5711 4	10 28.8'N	65 35.7'W	5	43.05	0011	572.	56.	0000	18	4446	0
ATL 240	1	0012	0000	15	5711 4	10 37.5'N	65 32.4'W	5	43.05	0012	1345.	591.	0000	18	3865	0
ATL 240	1	0013	0000	15	5711 5	10 51.8'N	65 31.8'W	5	43.05	0013	942.	850.	0000	18	4446	0
ATL 240	1	0014	0000	15	5711 5	10 55.2'N	65 32.2'W	5	43.05	0014	385.	840.	0000	18	4329	0
ATL 240	1	0015	0000	15	5711 6	10 52.5'N	65 8.0'W	5	43.05	0015	354.	540.	0000	18	8455	0
ATL 240	1	0016	0000	15	5711 7	10 38.7'N	65 4.5'W	5	43.05	0016	914.	715.	0000	18	3075	0
ATL 246	0	0064	0000	15	5811 4	10 6.0'N	67 19.0'W	5	43.07	0026	737.	582.	0000	21	4859	0
ATL 246	0	0064	0000	26	5811 4	10 6.0'N	67 19.0'W	5	43.07	0026	737.	84.	0000	21	4859	0
ATL 246	0	0065	0000	15	5811 5	11 1.0'N	67 16.0'W	5	43.17	0027	897.	614.	0000	21	3859	0
ATL 246	0	0065	0000	26	5811 5	11 1.0'N	67 16.0'W	5	43.17	0027	897.	87.	0000	21	3859	0
ATL 246	0	0066	0000	15	5811 4	11 28.0'N	67 13.0'W	5	43.17	0028	1935.	923.	0000	21	4355	0
ATL 246	0	0066	0000	26	5811 4	11 28.0'N	67 13.0'W	5	43.17	0028	1935.	39.	0000	21	4355	0
ATL 246	0	0070	0000	15	5811 6	11 47.0'N	68 30.0'W	5	43.18	0031	1803.	108.	0000	21	3359	0
ATL 246	0	0070	0000	26	5811 6	11 47.0'N	68 30.0'W	5	43.18	0031	1803.	88.	0000	21	3569	0
ATL 246	0	0071	0000	26	5811 6	11 25.5'N	68 30.0'W	5	43.18	0032	347.	71.	0000	21	4425	0
ATL 246	0	0068	0000	15	5811 5	12 34.0'N	68 29.0'W	5	43.28	0029	3210.	694.	0000	21	3355	0
ATL 246	0	0068	0000	26	5811 5	12 34.0'N	68 29.0'W	5	43.28	0029	3210.	91.	0000	21	3355	0
ATL 246	0	0069	0000	15	5811 5	12 10.0'N	68 29.0'W	5	43.28	0030	1499.	512.	0000	21	3355	0
ATL 246	0	0069	0000	26	5811 5	12 10.0'N	68 29.0'W	5	43.28	0030	1499.	95.	0000	21	3569	0
CHN 75	1	0004	0000	15	671030	14 44.7'N	63 59.0'W	5	43.43	0003	2376.	452.	0000	13	3029	40
CHN 11	1	0011	0000	15	60 225	17 10.0'N	65 10.0'W	4	43.75	0011	2940.	634.	0000	21	3739	0
CHN 41	1	0002	0000	13	6312 7	17 12.0'N	67 46.0'W	5	43.77	0002	5177.	203.	0000	21	3732	0
AIJ 20	1	0058	0000	13	66 5-2	18 11.5'N	64 48.9'W	0	43.84	0058	244.	6.	0000	5	0000	0
CHN 75	1	0002	0000	15	671026	19 29.5'N	60 46.5'W	4	43.90	0002	5262.	361.	0000	17	1479	40
CHN 75	1	0002	0000	26	671026	19 29.5'N	60 46.5'W	4	43.90	0002	5262.	115.	0000	17	4459	0
CHN 36	1	0004	0000	13	63 623	19 24.0'N	61 30.0'W	5	43.91	0003	5457.	143.	0000	17	1129	0
CHN 75	1	0001	0000	15	671023	19 24.0'N	65 7.0'W	5	43.95	0001	5590.	156.	0000	17	3344	40

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MARSDEN SQUARE # 43

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN	57	1	0032	0000	15	66 4 7	19 56.0°N	67 1.0°W	5	43.97	0011	6907.	593.	0000	17	1129	0
CHN	57	1	0037	0000	15	66 4 10	19 59.0°N	68 2.1°W	5	43.98	0013	5384.	502.	0000	17	9338	0

MARSDEN SQUARE # 44

GOS	96	0	0001	0000	20	67 2 1	10 23.0°N	71 33.6°W	0	44.01	0001	9.	287.	0000	2	0000	0
GOS	96	0	0002	0000	20	67 2 1	10 7.1°N	71 34.8°W	0	44.01	0001	23.	300.	0000	2	0000	0
GOS	96	0	0014	0000	20	67 2 4	10 5.5°N	71 30.2°W	0	44.01	0001	27.	390.	0000	2	0000	0
ATL	246	0	0219	0000	26	581121	11 45.0°N	70 49.0°W	5	44.10	0038	37.	55.	0000	23	2255	0
ATL	246	0	0214	0000	26	581120	11 15.0°N	71 35.0°W	5	44.11	0033	18.	110.	0000	23	2255	0
ATL	246	0	0215	0000	26	581121	11 26.5°N	71 36.5°W	5	44.11	0034	24.	63.	0000	23	2255	0
ATL	246	0	0215	0000	26	581121	11 34.0°N	71 35.5°W	5	44.11	0035	22.	28.	0000	23	8855	0
ATL	246	0	0217	0000	26	581121	11 46.0°N	71 13.0°W	5	44.11	0036	18.	87.	0000	23	1155	0
ATL	246	0	0218	0000	26	581121	11 46.0°N	71 5.0°W	5	44.11	0037	16.	87.	0000	23	1155	0
KNR	64	1	0005	0000	15	77 2 2	16 31.3°N	74 48.4°W	9	44.64	0005	3047.	758.	0000	10	3739	0
KNR	64	1	0005	0000	26	77 2 2	16 31.3°N	74 48.4°W	9	44.64	0005	3047.	154.	0000	10	3739	0
KNR	64	1	0006	0000	15	77 2 2	16 31.2°N	74 48.1°W	9	44.64	0006	3001.	760.	0000	10	3739	0
KNR	64	1	0005	0000	26	77 2 2	16 31.2°N	74 48.1°W	9	44.64	0006	3001.	104.	0000	10	7335	0
CHN	41	1	0003	0000	15	6312 8	17 18.0°N	72 11.0°W	5	44.72	0002	4296.	513.	0000	21	3739	0
KNR	64	1	0003	0000	15	77 2 2	17 1.0°N	74 26.0°W	1	44.74	0003	2681.	818.	0000	10	3342	0
KNR	64	1	0003	0000	26	77 2 2	17 1.0°N	74 26.0°W	1	44.74	0003	2681.	144.	0000	10	3562	0
KNR	64	1	0004	0000	15	77 2 2	17 2.4°N	74 22.9°W	9	44.74	0004	2585.	777.	0000	10	3342	0
KNR	64	1	0004	0000	26	77 2 2	17 2.4°N	74 22.9°W	9	44.74	0004	2585.	132.	0000	10	3329	0
CHN	41	1	0004	0000	13	531212	19 37.0°N	76 27.0°W	3	44.96	0004	6752.	121.	0000	21	3739	0

MARSDEN SQUARE # 45

ATL	254	3	0335	0000	26	60 223	16 29.0°N	86 34.5°W	5	45.66	0010	2791.	55.	0000	21	3355	0
ATL	254	3	0334	0000	26	60 222	17 52.0°N	86 15.0°W	5	45.76	0009	2440.	61.	0000	21	3759	0
ATL	254	3	0333	0000	15	60 222	18 29.0°N	86 20.0°W	5	45.86	0008	4402.	292.	0000	10	3849	0
ATL	254	3	0333	0000	26	60 222	18 29.0°N	86 20.0°W	5	45.86	0008	4402.	76.	0000	10	3329	0
ATL	254	3	0330	0000	15	60 220	19 35.0°N	84 51.0°W	5	45.94	0006	4579.	605.	0000	10	3339	0
ATL	254	3	0330	0000	26	60 220	19 35.0°N	84 51.0°W	5	45.94	0006	4579.	34.	0000	10	3339	0
ATL	254	3	0331	0000	15	60 221	19 12.0°N	86 44.0°W	5	45.96	0007	4526.	300.	0000	10	7339	0
ATL	254	3	0331	0000	26	60 221	19 12.0°N	86 44.0°W	5	45.96	0007	4526.	67.	0000	10	3739	0

MARSDEN SQUARE # 48

KNR	73	4	0005	0000	15	78 416	10 50.9°N	110 16.1°W	9	48.00	0004	3681.	1037.	0000	11	3562	0
KNR	73	4	0005	0000	26	78 416	10 50.9°N	110 16.1°W	9	48.00	0004	3681.	119.	0000	11	3562	0

MARSDEN SQUARE # 65

AIT	15	5	0612	0000	13	65 4 4	13 35.0°N	71 33.5°E	9	65.31	0612	1697.	70.	0000	7	3355	0
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MARSDEN SQUARE # 66

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA CODE
													DEPTH				
ATL	15	5	0606	0000	26	65 4 2	14 25.0°N	63 1.0°E	9	66.43	0020	4023.	63.	0000	24	3432	0
ATL	15	5	0607	0000	18	65 4 2	14 16.0°N	64 24.0°E	9	66.44	0607	3965.	87.	0000	24	3359	0
ATL	15	5	0608	0000	13	65 4 3	14 7.0°N	65 50.0°E	9	66.45	0608	3957.	74.	0000	24	3339	0
ATL	15	5	0610	0000	13	65 4 3	14 2.0°N	68 37.0°E	9	66.48	0610	4075.	28.	0000	24	4359	0
ATL	15	5	0596	0000	18	65 327	18 56.0°N	61 23.0°E	9	66.81	0596	3694.	120.	0000	6	3359	0

MARSDEN SQUARE # 67

ATL	15	4	0552	0000	15	65 227	10 15.0°N	53 10.0°E	9	67.03	0008	4173.	655.	0000	6	0339	0
ATL	15	4	0552	0000	26	65 227	10 15.0°N	53 10.0°E	9	67.03	0008	4173.	39.	0000	6	0057	0
ATL	15	4	0547	0000	15	65 226	12 0.0°N	51 54.0°E	9	67.21	0007	1502.	190.	0000	6	3359	0
ATL	15	4	0547	0000	26	65 226	12 0.0°N	51 54.0°E	9	67.21	0007	1502.	52.	0000	6	3359	0
CHN	100	4	0035	0000	15	71 4 4	14 1.7°N	51 48.6°E	1	67.41	0025	5329.	570.	0000	19	0339	0
CHN	100	4	0035	0000	26	71 4 4	14 1.7°N	51 48.6°E	1	67.41	0025	5329.	119.	0000	19	3039	0
ATL	15	5	0602	0000	18	65 331	14 56.0°N	57 21.0°E	9	67.47	0602	3357.	106.	0000	16	0362	0
ATL	15	5	0599	0000	18	65 330	15 22.0°N	53 11.0°E	9	67.53	0599	2292.	110.	0000	6	3022	0
ATL	15	5	0600	0000	18	65 330	15 16.0°N	54 38.0°E	9	67.54	0600	2899.	100.	0000	16	0959	0
ATL	15	5	0597	0000	18	65 329	16 14.0°N	54 46.0°E	9	67.64	0597	2922.	90.	0000	6	3359	0
ATL	15	5	0597	0000	15	65 329	16 14.0°N	54 46.0°E	9	67.64	0019	2939.	670.	0000	6	3030	0
ATL	15	5	0597	0000	18	65 329	17 26.0°N	57 11.0°E	9	67.77	0597	1805.	85.	0000	6	3565	0
ATL	15	5	0597	0000	13	65 329	17 26.0°N	57 11.0°E	9	67.77	0597	1805.	17.	0000	6	3359	0

MARSDEN SQUARE # 68

ATL	15	4	0546	0000	15	65 223	11 53.0°N	48 37.3°E	9	68.18	0006	2136.	160.	0000	20	3459	0
CHN	100	4	0032	0000	15	71 4 1	12 23.4°N	43 42.2°E	1	68.23	0024	313.	90.	0000	4	8468	0
ATL	15	3	0545	0000	18	65 219	16 34.0°N	41 3.0°E	9	68.61	0545	1981.	42.	0000	20	3439	0
CHN	43	1	0004	0000	13	64 326	17 39.0°N	40 10.0°E	5	68.70	0001	1296.	90.	0000	16	3326	41
CHN	43	1	0005	0000	13	64 326	17 39.0°N	40 10.0°E	5	68.70	0002	1470.	233.	0000	16	3328	41
CHN	100	3	0002	0000	13	71 3 2	17 40.0°N	40 45.0°E	1	68.70	0002	169.	97.	0000	2	3725	0

MARSDEN SQUARE # 69

CHN	100	3	0001	0000	13	71 3 2	17 2.5°N	39 53.0°E	1	69.79	0001	176.	42.	0000	2	3359	0
CHN	100	3	0003	0000	15	71 3 3	18 9.0°N	39 53.0°E	1	69.89	0003	1374.	798.	0000	16	3868	0
CHN	100	3	0003	0000	26	71 3 3	18 9.0°N	39 53.0°E	1	69.89	0003	1374.	112.	0000	16	3232	0
CHN	61	7	0152	0000	15	6611 2	19 48.5°N	38 30.0°E	1	69.98	0000	2359.	711.	0000	16	7759	41
CHN	61	7	0152	0000	26	6611 2	19 48.5°N	38 30.0°E	1	69.98	0000	2359.	45.	0000	16	3731	41
CHN	61	7	0153	0000	15	6611 4	19 43.0°N	38 41.0°E	1	69.98	0000	2704.	755.	0000	21	3439	41
CHN	61	7	0153	0000	26	6611 4	19 43.0°N	38 41.0°E	1	69.98	0000	2704.	157.	0000	21	3732	41
CHN	61	7	0154	0000	15	6611 4	19 34.0°N	38 59.5°E	1	69.98	0000	1275.	890.	0000	21	3439	41
CHN	61	7	0154	0000	26	6611 4	19 34.0°N	38 59.5°E	1	69.98	0000	1275.	92.	0000	21	3329	41
CHN	61	7	0155	0000	15	6611 5	19 23.5°N	38 54.0°E	1	69.98	0000	2046.	424.	0000	21	4817	41
CHN	61	7	0155	0000	26	6611 5	19 23.5°N	38 54.0°E	1	69.98	0000	2046.	117.	0000	21	4857	41
CHN	100	3	0006	0000	13	71 3 5	19 38.0°N	38 36.2°E	1	69.98	0005	2010.	101.	0000	16	3855	0
ATL	93	19	0086	0000	13	77 4 1	19 27.3°N	39 11.2°E	9	69.99	0063	994.	21.	0000	21	0000	0
CHN	100	3	0005	0000	15	71 3 3	19 5.0°N	39 59.5°E	1	69.99	0004	328.	537.	0000	16	3238	0

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MARSDEN SQUARE # 69

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 100	3	0005	0000	26	71 3 3	19 5.0°N	39 59.5°E	1	69.99	0004	328.	108.	0000	16	3329	0

MARSDEN SQUARE # 75

CHN 96	4	0001	0000	15	6911 6	27.22.0°N	21 58.5°W	9	75.11	0001	4879.	750.	0000	6	3329	54
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MARSDEN SQUARE # 76

CHN 61	10	0171	0000	15	6612 6	26 42.0°N	39 23.0°W	1	76.69	0000	4279.	760.	0000	11	3322	41
CHN 61	10	0172	0000	15	6612 6	26 33.5°N	39 58.5°W	1	76.69	0000	4356.	160.	0000	11	3329	41
CHN 99	2	0008	0000	15	70 5 2	29 30.6°N	32 37.6°W	8	76.92	0007	4307.	719.	0000	19	3329	0
CHN 99	2	0007	0000	15	70 429	29 18.4°N	36 36.7°W	8	76.96	0006	3936.	732.	0000	19	3739	0
CHN 96	4	0003	0000	15	6911 9	29 10.5°N	38 28.6°W	8	76.98	0003	4760.	553.	0000	15	3731	54
CHN 96	4	0003	0000	26	6911 9	29 10.5°N	38 28.6°W	8	76.98	0003	4760.	109.	0000	15	3329	54

MARSDEN SQUARE # 77

AII 42	1	0033	0000	15	68 719	20 2.0°N	49 46.8°W	1	77.09	0021	4598.	825.	0000	15	3729	54
AII 92	2	0019	0000	15	75 925	22 55.5°N	43 30.6°W	9	77.23	0005	4448.	515.	0000	15	3731	53
AII 92	2	0019	0000	26	75 925	22 55.5°N	43 30.6°W	9	77.23	0005	4448.	141.	0000	15	3462	53
AII 92	2	0027	0000	15	7510 1	22 58.7°N	43 30.6°W	12	77.23	0007	4431.	648.	0000	15	3348	53
AII 92	2	0027	0000	26	7510 1	22 58.7°N	43 30.6°W	12	77.23	0007	4431.	125.	0000	15	3342	53
CHN 44	1	0013	0000	18	641018	22 46.7°N	45 57.8°W	0	77.25	0013	3781.	87.	0000	15	0000	0
CHN 44	1	0014	0000	18	641018	22 46.7°N	45 6.2°W	0	77.25	0014	3245.	88.	0000	15	0000	0
CHN 44	1	0003	0000	15	641015	22 46.1°N	46 10.3°W	0	77.26	0003	4480.	780.	0085	15	0000	0
CHN 44	1	0005	0000	18	641016	22 48.5°N	46 10.6°W	0	77.26	0009	4470.	95.	0000	15	0000	0
CHN 44	1	0007	0000	18	641016	22 46.3°N	46 8.9°W	0	77.26	0007	4470.	98.	0000	15	0000	0
CHN 44	1	0008	0000	18	641016	22 45.7°N	46 10.6°W	0	77.26	0008	4470.	92.	0000	15	0000	0
CHN 44	1	0009	0000	18	641016	22 46.2°N	46 9.8°W	0	77.26	0009	4470.	95.	0000	15	0000	0
CHN 44	1	0010	0000	13	641018	22 46.8°N	46 9.0°W	0	77.26	0010	4470.	0.	0118	15	0000	0
CHN 44	1	0011	0000	15	641017	22 46.5°N	46 9.2°W	0	77.26	0011	4470.	783.	0057	15	0000	0
CHN 44	1	0012	0000	18	641018	22 48.0°N	46 0.5°W	0	77.26	0012	3922.	95.	0000	15	0000	0
CHN 44	1	0015	0000	13	641019	22 15.1°N	46 21.8°W	0	77.26	0016	3915.	53.	0000	15	0000	0
CHN 44	1	0016	0000	15	641020	22 15.2°N	46 21.8°W	0	77.26	0016	3915.	53.	0000	15	0000	0
CHN 44	1	0017	0000	18	641020	22 15.7°N	46 23.0°W	0	77.26	0017	4060.	80.	0000	15	0000	0
CHN 44	1	0018	0000	18	641020	22 16.0°N	46 23.7°W	0	77.26	0018	4060.	82.	0000	15	0000	0
CHN 44	1	0019	0000	18	641020	22 16.4°N	46 24.6°W	0	77.26	0019	4060.	71.	0000	15	0000	0
CHN 44	1	0020	0000	18	641020	22 16.4°N	46 24.6°W	0	77.26	0019	4060.	71.	0000	15	0000	0
CHN 44	1	0021	0000	18	641020	22 16.9°N	46 25.1°W	0	77.26	0021	3820.	95.	0000	15	0000	0
CHN 44	1	0022	0000	15	641020	22 15.6°N	46 23.2°W	0	77.26	0022	4049.	985.	0117	15	0000	0
CHN 44	1	0023	0000	15	641020	22 18.5°N	46 23.1°W	0	77.26	0023	4064.	0.	0073	15	0000	0
CHN 44	1	0026	0000	18	641020	22 19.9°N	46 22.4°W	0	77.26	0026	4040.	35.	0000	15	0000	0
CHN 44	1	0027	0000	18	641020	22 19.2°N	46 22.8°W	0	77.26	0027	4070.	55.	0000	15	0000	0
CHN 44	1	0029	0000	18	641021	22 16.9°N	46 24.0°W	0	77.26	0029	4070.	73.	0000	15	0000	0
AII 92	2	0021	0000	15	75 926	23 5.8°N	43 36.7°W	9	77.33	0006	4422.	526.	0000	15	3731	53
AII 92	2	0021	0000	26	75 926	23 5.8°N	43 36.7°W	9	77.33	0006	4422.	109.	0000	15	3339	53
AII 92	2	0025	0000	13	7510 1	23 6.8°N	43 31.6°W	9	77.33	0001	3862.	275.	0000	15	3332	0

MARSDEN SQUARE # 77

CRUISE	SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN	61	10	0174	0000	15	6612 9	27 52.5°N	45 55.0°W	1	77.75	0000	4148.	708.	0000	15	3329	41
CHN	61	10	0175	0000	15	6612 9	27 52.5°N	45 10.5°W	1	77.75	0000	3690.	552.	0000	15	3329	41
CHN	21	1	0011	0000	13	61 9 3	28 52.2°N	42 54.0°W	1	77.82	0011	3529.	0.	0000	16	0000	0
CHN	21	1	0012	0000	13	61 9 4	28 51.3°N	42 48.4°W	1	77.82	0012	3480.	3480.	0000	16	0000	0
CHN	21	1	0009	0000	13	61 9 2	28 54.0°N	43 36.3°W	1	77.83	0009	2933.	0.	0000	14	0000	0
CHN	21	1	0005	0000	13	61 830	28 45.3°N	44 55.3°W	1	77.84	0005	3923.	170.	0000	15	3350	0
CHN	61	10	0177	0000	15	661211	28 19.0°N	45 32.0°W	1	77.85	0000	3881.	447.	0000	15	3359	41
CHN	21	1	0004	0000	13	61 830	28 56.5°N	46 44.5°W	1	77.86	0004	4376.	0.	0000	0	0000	0
CHN	61	10	0178	0000	15	661211	28 43.5°N	46 48.0°W	1	77.86	0000	4300.	398.	0000	15	3969	41
CHN	21	1	0002	0000	13	61 829	28 57.7°N	48 56.5°W	1	77.88	0002	4532.	0.	0000	11	0000	0
CHN	99	2	0005	0000	15	70 427	29 22.1°N	40 51.3°W	8	77.90	0005	3301.	194.	0000	14	3323	0
CHN	21	1	0013	0000	13	51 9 4	29 2.4°N	41 9.5°W	1	77.91	0013	4057.	108.	0000	15	3350	0
CHN	96	4	0004	0000	15	691112	29 52.8°N	41 19.4°W	8	77.91	0004	3608.	253.	0000	14	3329	54
CHN	96	4	0004	0000	26	691112	29 52.8°N	41 19.4°W	8	77.91	0004	3608.	40.	0000	14	3329	54
CHN	99	2	0005	0000	15	70 427	29 27.8°N	41 34.3°W	8	77.91	0004	3318.	830.	0000	14	3731	0
CHN	21	1	0010	0000	13	61 9 3	29 3.2°N	43 11.0°W	1	77.93	0010	2065.	0.	0000	16	0000	0
CHN	21	1	0006	0000	13	61 9 1	29 5.9°N	44 33.2°W	1	77.94	0006	3328.	0.	0000	14	0000	0
CHN	21	1	0007	0000	13	61 9 2	29 4.7°N	44 16.2°W	1	77.94	0007	3798.	0.	0000	14	0000	0
CHN	21	1	0008	0000	13	61 9 2	29 5.0°N	44 11.1°W	1	77.94	0008	3792.	167.	0000	14	3350	0
CHN	21	1	0003	0000	13	61 829	29 0.0°N	47 22.0°W	1	77.97	0003	4715.	0.	0000	15	0000	0

MARSDEN SQUARE # 78

AII	42	1	0034	0000	15	68 719	20 20.5°N	50 51.8°W	1	78.00	0022	4802.	848.	0000	15	3428	54
AII	42	1	0035	0000	15	68 719	20 37.5°N	51 51.5°W	1	78.01	0023	5155.	45.	0000	11	2934	47
AII	31	1	0020	0000	15	67 426	21 28.5°N	60 29.0°W	1	78.10	0020	5634.	752.	0000	16	1129	0
AII	31	1	0020	0000	25	67 426	21 28.5°N	60 29.0°W	1	78.10	0020	5634.	93.	0000	16	1159	0
AII	42	1	0378	0000	13	68 720	21 0.0°N	52 56.0°W	1	78.12	0001	4701.	145.	0000	11	3352	0
AII	42	1	0038	0000	15	68 720	21 18.5°N	53 58.0°W	1	78.13	0024	5286.	895.	0000	11	4322	54
AII	42	1	0039	0000	15	68 721	21 44.0°N	55 2.0°W	1	78.15	0025	5294.	805.	0000	11	1329	54
AII	42	1	0041	0000	15	68 721	22 14.0°N	56 39.0°W	1	78.26	0027	5962.	738.	0000	11	1159	54
CHN	39	2	0007	0000	13	63 911	24 3.3°N	55 15.0°W	5	78.45	0003	5984.	172.	0000	11	1159	0
AII	42	1	0042	0000	15	68 722	24 16.0°N	58 23.0°W	1	78.48	0028	5823.	746.	0000	11	1159	54
AII	42	1	0042	0000	26	68 722	24 16.0°N	58 23.0°W	1	78.48	0028	5823.	197.	0000	11	1159	0
CHN	39	2	0004	0000	13	63 910	25 18.0°N	55 44.5°W	5	78.55	0002	5937.	201.	0000	11	1179	0
CHN	39	2	0009	0000	13	63 913	27 55.5°N	57 0.0°W	5	78.77	0004	5960.	172.	0000	11	1159	0
CHN	39	2	0010	0000	13	63 914	28 30.0°N	57 59.0°W	5	78.87	0005	5696.	160.	0000	11	1429	0
CHN	21	1	0001	0000	13	61 827	29 51.0°N	54 35.2°W	5	78.94	0001	5607.	0.	0000	11	0000	0
CHN	39	2	0001	0000	13	63 9 6	29 0.0°N	59 13.0°W	5	78.99	0001	5815.	291.	0000	11	4869	0

MARSDEN SQUARE # 79

CHN	36	1	0003	0000	15	63 622	20 18.0°N	63 39.5°W	5	79.03	0002	5728.	41.	0000	17	1223	0
CHN	57	1	0016	0000	15	66 317	20 5.3°N	64 35.7°W	5	79.04	0002	5808.	465.	0000	17	1629	0
CHN	57	1	0016	0000	26	66 317	20 5.3°N	64 35.7°W	5	79.04	0002	5808.	44.	0000	17	1629	0
CHN	57	1	0028	0000	15	66 4 6	20 0.0°N	64 17.8°W	5	79.04	0009	6414.	700.	0000	17	1629	0
CHN	57	1	0014	0000	15	66 314	20 14.2°N	65 21.5°W	5	79.05	0001	6154.	581.	0000	17	6659	0
CHN	57	1	0014	0000	26	66 314	20 14.2°N	65 21.5°W	5	79.05	0001	6154.	61.	0000	17	6659	0

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MARSDEN SQUARE # 79

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
												OR DEPTH				
CHN 57	1	0018	0000	15	66 318	20 6.3°N	65 1.2°W	5	79.05	0003	6159.	547.	0000	17	1129	0
CHN 57	1	0029	0000	15	66 4 6	20 6.2°N	65 50.5°W	5	79.05	0010	7074.	604.	0000	17	1139	0
CHN 11	1	0012	0000	15	50 229	20 50.0°N	66 27.0°W	4	79.06	0012	4548.	550.	0000	17	1179	0
CHN 19	1	0002	0000	15	51 624	20 12.1°N	66 36.2°W	5	79.06	0002	5789.	463.	0000	17	1150	0
CHN 19	1	0003	0000	15	51 7 1	20 15.0°N	66 33.3°W	5	79.06	0003	5787.	474.	0000	17	1150	0
CHN 57	1	0021	0000	15	56 323	20 3.3°N	66 9.0°W	5	79.06	0004	6618.	298.	0000	17	2464	0
ATL 282	1	0012	0000	13	62 724	20 22.0°N	67 23.0°W	5	79.07	0012	5416.	155.	0000	13	4143	41
CHN 57	1	0036	0000	15	66 410	20 11.4°N	67 38.6°W	5	79.07	0012	5547.	532.	0000	17	1968	0
AII 60	8	0029	0000	14	71 814	20 38.5°N	68 25.0°W	5	79.08	0024	5157.	108.	0000	13	3359	0
AII 60	8	0030	0000	14	71 814	20 13.0°N	68 37.0°W	5	79.08	0025	4850.	123.	0000	13	3359	0
CHN 36	1	0001	0000	13	53 620	21 7.3°N	65 2.5°W	5	79.15	0001	5306.	173.	0000	17	4122	0
ATL 282	1	0013	0000	13	62 729	21 54.0°N	66 37.0°W	5	79.16	0013	5653.	131.	0000	13	4159	41
AII 60	8	0027	0000	14	71 813	21 51.1°N	67 40.9°W	9	79.17	0022	5207.	118.	0000	13	3359	0
KNR 25	1	0004	0000	15	72 216	21 30.0°N	67 31.0°W	5	79.17	0004	5163.	2159.	0000	13	4422	0
AII 60	8	0028	0000	14	71 814	21 7.3°N	68 6.3°W	9	79.18	0023	5444.	109.	0000	13	3359	0
ATL 282	1	0011	0000	13	62 723	21 47.0°N	68 51.0°W	5	79.18	0011	5513.	185.	0000	13	1859	41
CHN 57	1	0038	0000	15	56 411	21 30.8°N	68 14.7°W	5	79.18	0014	5368.	551.	0000	13	1942	0
AII 60	3	0024	0000	14	71 812	22 51.6°N	66 32.3°W	9	79.26	0019	5821.	112.	0000	13	4339	0
AII 60	8	0025	0000	14	71 813	22 31.9°N	66 54.9°W	9	79.26	0020	5658.	110.	0000	13	4459	0
CHN 57	1	0022	0000	15	56 325	22 40.7°N	66 29.6°W	5	79.26	0005	5820.	841.	0000	10	1849	0
CHN 57	1	0027	0000	26	66 325	22 40.7°N	66 29.6°W	5	79.26	0005	5820.	75.	0000	10	4129	0
CHN 57	1	0023	0000	15	66 325	22 28.0°N	66 34.0°W	5	79.26	0006	5613.	816.	0000	10	1429	0
CHN 57	1	0023	0000	26	66 325	22 28.0°N	66 34.0°W	5	79.26	0006	5613.	88.	0000	10	1159	0
AII 60	8	0023	0000	13	71 812	22 44.0°N	67 53.7°W	9	79.27	0019	5365.	226.	0000	13	3969	0
AII 60	9	0023	0000	14	71 812	22 44.2°N	67 55.8°W	9	79.27	0018	5320.	81.	0000	13	3359	0
AII 60	8	0026	0000	14	71 813	22 15.5°N	67 21.0°W	5	79.27	0021	5417.	117.	0000	13	4969	0
CHN 57	1	0024	0000	15	66 329	22 42.3°N	67 42.2°W	5	79.27	0007	5531.	895.	0000	10	4839	0
CHN 57	1	0024	0000	26	66 329	22 42.3°N	67 42.2°W	5	79.27	0007	5531.	80.	0000	10	1439	0
CHN 57	1	0025	0000	15	66 329	22 40.0°N	67 41.0°W	5	79.27	0008	5389.	927.	0000	10	2429	0
KNR 25	1	0003	0000	17	72 215	22 15.0°N	67 57.5°W	5	79.27	0003	5374.	1139.	0000	13	2462	0
KNR 25	1	0013	0000	13	72 215	22 15.4°N	67 56.9°W	5	79.27	0013	5374.	39.	0000	13	4459	0
AII 60	8	0011	0000	13	71 8 8	22 51.4°N	68 45.6°W	9	79.28	0007	5504.	184.	0000	13	4439	0
AII 60	8	0011	0000	14	71 8 7	22 50.2°N	68 43.8°W	9	79.28	0006	5504.	114.	0000	13	4459	0
AII 60	8	0012	0000	14	71 8 8	22 59.9°N	68 32.7°W	9	79.28	0007	5445.	101.	0000	13	4969	0
AII 60	3	0022	0000	13	71 811	22 51.0°N	68 13.3°W	5	79.28	0018	5282.	130.	0000	13	4969	0
AII 60	3	0022	0000	14	71 812	22 51.5°N	68 17.1°W	9	79.28	0017	5313.	110.	0000	13	3359	0
ATL 282	1	0014	0000	13	62 730	23 40.0°N	65 37.0°W	5	79.35	0014	5771.	243.	0000	10	1159	41
AII 60	8	0015	0000	14	71 8 9	23 28.8°N	67 51.5°W	5	79.37	0010	5630.	107.	0000	13	4969	0
AII 60	8	0015	0000	13	71 8 9	23 28.5°N	67 51.9°W	9	79.37	0011	5630.	262.	0000	13	4339	0
AII 60	8	0015	0000	14	71 8 9	23 39.7°N	67 41.3°W	9	79.37	0011	5766.	119.	0000	13	3969	0
ATL 282	1	0010	0000	13	62 727	23 37.0°N	67 54.0°W	5	79.37	0010	5568.	171.	0000	10	4159	41
AII 60	8	0006	0000	14	71 8 5	23 56.6°N	68 30.6°W	9	79.38	0001	5566.	61.	0000	13	3359	0
AII 60	8	0007	0000	14	71 8 6	23 46.0°N	68 43.5°W	9	79.38	0002	5349.	96.	0000	13	3359	0
AII 60	8	0008	0000	13	71 8 6	23 35.0°N	68 54.0°W	5	79.38	0004	5204.	203.	0000	13	4125	0
AII 60	8	0008	0000	14	71 8 6	23 35.6°N	68 55.7°W	5	79.38	0003	5202.	92.	0000	13	3359	0
AII 60	8	0013	0000	14	71 8 8	23 10.0°N	68 19.3°W	5	79.38	0008	5246.	108.	0000	13	3329	0
AII 60	8	0014	0000	13	71 8 8	23 19.8°N	68 5.6°W	9	79.38	0010	5450.	149.	0000	13	4429	0
AII 60	8	0014	0000	14	71 8 9	23 19.5°N	68 5.5°W	5	79.38	0009	5444.	105.	0000	13	3359	0
AII 60	8	0017	0000	13	71 810	23 54.2°N	68 4.9°W	9	79.38	0013	5719.	189.	0000	13	1439	0
AII 60	8	0017	0000	14	71 8 9	23 53.1°N	68 3.3°W	9	79.38	0012	5715.	106.	0000	13	3359	0

CC37

MARSDEN SQUARE # 79

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA CODE
													DEPTH				
ATL	60	8	0018	0000	14	71 810	23 43.4'N	68 16.6'W	9	79.38	0013	5520.	89.	0000	13	3359	0
ATL	60	8	0019	0000	14	71 810	23 37.4'N	68 24.6'W	9	79.38	0014	5379.	115.	0000	13	3359	0
ATL	60	8	0019	0000	13	71 810	23 36.0'N	68 23.2'W	9	79.38	0015	5379.	145.	0000	13	4329	0
ATL	60	8	0020	0000	13	71 811	23 27.9'N	68 33.8'W	9	79.38	0016	5249.	222.	0000	13	4316	0
ATL	60	8	0020	0000	14	71 811	23 29.4'N	68 35.0'W	9	79.38	0015	5223.	91.	0000	13	3359	0
ATL	60	8	0021	0000	14	71 811	23 15.5'N	68 43.5'W	5	79.38	0016	5303.	111.	0000	13	3969	0
ATL	60	8	0021	0000	13	71 811	23 14.7'N	68 42.4'W	5	79.38	0017	5333.	55.	0000	13	3359	0
KNR	25	1	0002	0000	16	72 215	23 55.5'N	68 36.4'W	5	79.38	0002	5515.	832.	0000	13	6262	0
KNR	25	1	0006	0000	14	72 212	23 52.6'N	68 35.1'W	9	79.38	0006	5486.	145.	0000	13	4449	0
KNR	25	1	0007	0000	14	72 213	23 43.5'N	68 41.5'W	5	79.38	0007	5306.	145.	0000	13	4449	0
KNR	25	1	0008	0000	14	72 213	23 57.2'N	68 59.0'W	9	79.38	0008	5451.	142.	0000	13	4449	0
ATL	60	8	0003	0000	13	71 8 4	23 49.0'N	69 31.8'W	9	79.39	0020	5363.	270.	0000	13	4136	0
ATL	60	8	0009	0000	14	71 8 7	23 25.6'N	69 4.5'W	9	79.39	0004	5398.	89.	0000	13	3359	0
ATL	60	8	0009	0000	13	71 8 6	23 24.0'N	69 2.0'W	5	79.39	0005	5368.	231.	0000	13	3436	0
ATL	60	8	0010	0000	13	71 8 7	23 10.0'N	69 18.0'W	5	79.39	0006	5501.	176.	0000	13	4139	0
ATL	60	8	0010	0000	14	71 8 7	23 11.0'N	69 18.7'W	9	79.39	0005	5501.	95.	0000	13	4459	0
KNR	25	1	0004	0000	14	72 216	23 45.2'N	69 40.8'W	5	79.39	0004	5392.	136.	0000	13	4459	0
KNR	25	1	0005	0000	14	72 212	23 48.5'N	69 54.5'W	5	79.39	0005	5409.	140.	0000	13	4449	0
KNR	25	1	0009	0000	14	72 213	23 24.0'N	69 6.1'W	9	79.39	0009	5411.	147.	0000	13	4449	0
KNR	25	1	0012	0000	13	72 214	23 46.7'N	69 42.3'W	5	79.39	0012	5419.	68.	0000	13	4459	0
ATL	60	8	0005	0000	13	71 8 5	24 8.3'N	68 20.3'W	9	79.48	0030	5768.	28.	0000	13	2839	0
ATL	97	2	0001	0000	15	78 212	24 59.4'N	68 4.0'W	9	79.48	0001	5515.	783.	0000	13	4422	5
ATL	97	2	0001	0000	26	78 212	24 59.4'N	68 4.0'W	9	79.48	0001	5515.	143.	0000	13	4452	0
KNR	25	1	0002	0000	14	72 210	24 42.2'N	68 8.0'W	9	79.48	0002	5689.	147.	0000	10	2240	0
KNR	25	1	0003	0000	14	72 211	24 23.8'N	68 11.4'W	9	79.48	0003	5729.	150.	0000	10	4442	0
ATL	282	1	0015	0000	13	62 731	25 29.0'N	64 34.0'W	5	79.54	0015	5706.	245.	0000	10	1159	41
ATL	282	1	0017	0000	13	62 8 2	25 26.5'N	66 40.0'W	5	79.56	0017	5602.	254.	0000	13	4153	41
ATL	97	2	0004	0000	15	78 215	25 1.8'N	68 2.5'W	11	79.58	0002	5480.	876.	0000	13	4422	53
ATL	97	2	0004	0000	26	78 215	25 1.8'N	68 2.5'W	11	79.58	0002	5480.	143.	0000	13	4853	0
ATL	97	2	0008	0000	15	78 217	25 4.9'N	68 1.5'W	11	79.58	0003	5433.	662.	0000	13	4843	53
ATL	97	2	0008	0000	26	78 217	25 4.9'N	68 1.5'W	11	79.58	0003	5433.	144.	0000	13	4459	0
ATL	97	2	0009	0000	15	78 218	25 6.7'N	68 1.6'W	11	79.58	0004	5429.	645.	0000	13	4459	53
ATL	97	2	0009	0000	26	78 218	25 6.7'N	68 1.6'W	11	79.58	0004	5429.	144.	0000	13	4869	0
ATL	97	2	0010	0000	26	78 220	25 1.6'N	68 4.1'W	9	79.58	0005	5515.	144.	0000	13	4869	0
ATL	97	2	0010	0000	15	78 220	25 1.6'N	68 4.1'W	9	79.58	0005	5515.	1024.	0000	13	4862	53
ATL	108	5	0018	0000	15	81 523	25 2.6'N	68 3.1'W	9	79.58	0014	5615.	866.	0000	10	1323	0
ATL	108	5	0018	0000	26	81 523	25 2.6'N	68 3.1'W	9	79.58	0014	5615.	159.	0000	10	1159	0
ATL	108	5	0019	0000	15	81 523	25 7.6'N	68 4.8'W	9	79.58	0015	5620.	873.	0000	10	1323	0
ATL	108	5	0019	0000	26	81 523	25 7.6'N	68 4.8'W	9	79.58	0015	5620.	156.	0000	10	1159	0
ATL	108	5	0020	0000	15	81 523	25 6.6'N	68 2.4'W	9	79.58	0016	5573.	838.	0000	10	1323	0
ATL	108	5	0020	0000	26	81 523	25 6.6'N	68 2.4'W	9	79.58	0016	5573.	158.	0000	10	1159	0
KNR	25	1	0001	0000	14	72 210	25 1.5'N	68 3.5'W	5	79.58	0001	5523.	61.	0000	10	4449	0
ATL	282	1	0009	0000	13	62 721	25 19.0'N	69 1.0'W	5	79.59	0009	5593.	196.	0000	10	4159	41
ATL	31	1	0021	0000	15	67 428	26 28.0'N	61 41.5'W	1	79.61	0021	5884.	521.	0000	10	2231	0
ATL	42	1	0043	0000	15	68 723	27 16.0'N	60 37.5'W	1	79.70	0029	5629.	257.	0000	10	1469	54
ATL	42	1	0043	0000	26	68 723	27 16.0'N	60 37.5'W	1	79.70	0029	5629.	165.	0000	10	4459	0
ATL	31	1	0022	0000	15	67 429	27 29.5'N	63 5.5'W	1	79.73	0022	5380.	92.	0000	10	1429	0
ATL	282	1	0016	0000	13	62 8 1	27 10.0'N	65 40.0'W	5	79.75	0016	5413.	197.	0000	13	1453	41
ATL	282	1	0018	0000	13	62 8 2	27 5.0'N	67 56.0'W	5	79.77	0018	5195.	246.	0000	13	1449	41
ATL	282	1	0022	0000	13	62 8 6	28 54.0'N	64 39.0'W	5	79.84	0022	4846.	301.	0000	13	3469	41

MARSDEN SQUARE # 79

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA
													DEPTH			TYPE	CODE
ATL 282	1	0002	0000	13	62 713	28 52.0'N	66 51.0'W	5	79.86	0002	5451.	190.	0000	13	3459	41	
ATL 282	1	0021	0000	13	62 8 5	28 51.0'N	66 50.0'W	5	79.86	0021	5306.	224.	0000	13	1429	41	
ATL 282	1	0020	0000	13	62 8 4	28 44.0'N	69 5.0'W	5	79.89	0020	5325.	243.	0000	13	4129	41	
CHN 39	2	0011	0000	13	63 916	29 55.0'N	60 31.5'W	4	79.90	0006	5705.	193.	0000	11	1143	0	
ATI 42	1	0044	0000	15	68 724	29 4.0'N	62 0.0'W	1	79.92	0030	5265.	911.	0000	13	2429	54	
CHN 39	2	0015	0000	13	63 919	29 46.5'N	62 11.5'W	4	79.92	0007	4897.	212.	0000	11	3149	0	
ATL 282	1	0001	0000	13	62 712	29 39.0'N	66 22.0'W	5	79.96	0001	5128.	209.	0000	13	4129	41	
CHN 47	1	0030	0000	13	65 5 4	29 30.5'N	67 9.4'W	5	79.97	0002	5131.	97.	0000	13	3422	0	

MARSDEN SQUARE # 80

ATL 223	1	0001	0000	13	56 5 3	29 31.3'N	79 0.2'W	5	80.10	0001	0.	0.	1156	7	0000	0
CHN 41	1	0001	0000	13	6312 5	21 53.0'N	70 16.0'W	5	80.10	0001	5492.	0.	0000	13	0000	0
KNR 25	6	0225	0000	13	72 5 2	22 48.0'N	71 30.0'W	5	80.21	0001	5152.	110.	0000	13	3269	0
ATL 282	1	0003	0000	13	62 716	23 32.5'N	70 2.0'W	5	80.30	0003	5492.	120.	0000	10	4841	41
ATL 282	1	0005	0000	13	62 717	23 28.0'N	72 18.5'W	5	80.32	0005	5287.	164.	0000	13	4149	41
ATL 282	1	0008	0000	13	62 720	25 11.0'N	71 16.0'W	5	80.51	0008	5520.	30.	0000	10	4869	41
ATL 282	1	0006	0000	13	62 718	25 13.5'N	73 16.0'W	5	80.53	0006	5316.	188.	0000	13	4859	41
ATI 108	5	0022	0000	15	81 524	26 56.4'N	71 9.4'W	9	80.61	0018	5586.	872.	0000	10	1861	0
ATI 108	5	0022	0000	26	81 524	26 56.4'N	71 9.4'W	9	80.61	0018	5586.	152.	0000	10	4869	0
ATI 108	5	0023	0000	15	81 525	26 57.6'N	71 24.4'W	9	80.61	0019	5508.	618.	0000	10	4430	0
ATI 108	5	0023	0000	26	81 525	26 57.6'N	71 24.4'W	9	80.61	0019	5508.	158.	0000	10	4437	0
ATI 108	5	0024	0000	15	81 525	26 55.7'N	71 25.8'W	9	80.61	0020	5508.	876.	0000	10	4338	0
ATI 108	5	0024	0000	26	81 525	26 55.7'N	71 25.8'W	9	80.61	0020	5508.	158.	0000	10	3430	0
ATL 282	1	0007	0000	13	62 719	26 59.0'N	72 13.0'W	5	80.62	0007	5154.	228.	0000	10	4129	41
KNR 64	1	0001	0000	15	77 130	26 51.1'N	75 13.9'W	6	80.65	0001	4615.	767.	0000	13	4432	0
KNR 64	1	0001	0000	26	77 130	26 51.1'N	75 13.9'W	6	80.65	0001	4615.	144.	0000	13	3432	0
KNR 64	1	0002	0000	15	77 130	26 51.7'N	75 14.8'W	6	80.65	0002	4010.	739.	0000	13	3562	0
KNR 64	1	0002	0000	26	77 130	26 51.7'N	75 14.8'W	6	80.65	0002	4010.	103.	0000	13	3432	0
ATL 282	1	0019	0000	13	62 8 3	27 4.0'N	70 10.0'W	5	80.70	0019	5482.	113.	0000	13	4249	41
ATI 108	5	0021	0000	15	81 524	27 4.6'N	71 6.6'W	9	80.71	0017	5584.	784.	0000	10	4861	0
ATI 108	5	0021	0000	26	81 524	27 4.6'N	71 6.6'W	9	80.71	0017	5584.	58.	0000	10	4861	0
ATI 108	5	0025	0000	15	81 526	27 31.4'N	73 45.0'W	9	80.73	0021	4555.	0.	0000	15	0000	0
ATI 108	5	0025	0000	26	81 526	27 31.4'N	73 45.0'W	9	80.73	0021	4555.	158.	0000	15	3433	0
ATI 108	5	0026	0000	13	81 526	27 32.9'N	73 48.0'W	9	80.73	0001	4672.	225.	0000	15	4339	0
ATI 108	5	0027	0000	13	81 526	27 29.2'N	73 49.3'W	9	80.73	0002	4669.	545.	0000	15	3437	0
ATI 108	5	0028	0000	13	81 526	27 22.5'N	73 48.8'W	9	80.73	0003	4672.	578.	0000	15	3467	0
ATI 108	5	0029	0000	13	81 527	27 58.5'N	73 38.5'W	9	80.73	0004	4940.	392.	0000	15	3427	0
ATI 108	5	0030	0000	13	81 527	27 54.2'N	74 42.2'W	9	80.74	0005	4941.	440.	0000	15	3327	0
ATI 108	5	0031	0000	13	81 527	27 56.0'N	74 45.7'W	9	80.74	0006	4961.	481.	0000	15	3437	0
CHN 53	1	0001	0000	18	651020	28 49.0'N	70 52.5'W	5	80.80	0001	5246.	43.	0000	10	2839	0
CHN 53	1	0002	0000	18	651021	28 53.0'N	70 54.5'W	5	80.80	0002	5246.	56.	0000	10	4839	0
CHN 53	1	0003	0000	18	651021	28 50.0'N	70 54.0'W	5	80.80	0003	5246.	34.	0000	10	2849	0
CHN 53	1	0004	0000	18	651021	28 44.0'N	70 55.6'W	5	80.80	0004	5246.	25.	0000	10	2439	0
KNR 102	1	0001	0000	15	83 5 5	28 54.8'N	70 56.7'W	6	80.80	0001	5370.	1152.	0000	10	4811	0
KNR 102	1	0001	0000	26	83 5 5	28 54.8'N	70 56.7'W	6	80.80	0001	5370.	118.	0000	10	4829	0
KNR 102	1	0002	0000	15	83 5 6	28 57.4'N	71 6.2'W	6	80.81	0002	5365.	900.	0000	10	3229	0
KNR 102	1	0002	0000	26	83 5 6	28 57.4'N	71 6.2'W	6	80.81	0002	5365.	61.	0000	10	3229	0
KNR 31	4	0007	0000	16	73 720	28 17.9'N	72 17.8'W	9	80.82	0007	4935.	4158.	0000	13	4139	0

MARSDEN SQUARE # 80

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK SED. TYPE	VITA CODE
KNR 31	4	0009	0000	16	73 723	28 14.7°N	74 26.4°W	9	80.84	0009	4758.	3689.	0000	13	4139	0
KNR 31	4	0008	0000	16	73 722	28 41.7°N	75 16.0°W	9	80.85	0008	4962.	2946.	0000	13	4331	0
KNR 31	5	0010	0000	14	73 815	28 36.8°N	75 19.5°W	9	80.85	0010	4967.	99.	0000	13	4439	0
KNR 31	5	0011	0000	15	73 816	28 38.0°N	75 21.5°W	11	80.85	0011	4967.	2464.	0000	13	4339	0
KNR 31	5	0012	0000	16	73 819	28 35.6°N	75 27.3°W	9	80.85	0012	4980.	1399.	0000	10	4331	0
KNR 31	5	0013	0000	14	73 819	28 35.7°N	75 25.5°W	11	80.85	0013	4982.	105.	0000	10	3339	0
KNR 31	5	0014	0000	14	73 820	28 15.0°N	75 24.5°W	11	80.85	0014	4765.	110.	0000	13	3359	0
KNR 31	5	0016	0000	18	73 824	28 16.1°N	75 25.3°W	11	80.85	0016	4780.	75.	0000	13	3433	0
KNR 31	5	0016	0000	18	73 824	28 16.1°N	75 25.3°W	11	80.85	0018	4780.	75.	0000	13	3439	0
KNR 31	5	0016	0000	18	73 824	28 16.1°N	75 25.3°W	11	80.85	0019	4773.	96.	0000	13	4259	0
ATI 1	1	0005	0000	15	53 228	29 10.0°N	76 22.0°W	5	80.96	0005	4994.	285.	0000	10	3739	0

MARSDEN SQUARE # 81

ATL 254	3	0327	0000	15	50 217	20 2.0°N	84 11.0°W	5	81.04	0004	4500.	498.	0000	10	7439	0
ATL 254	3	0328	0000	26	50 217	20 2.0°N	84 11.0°W	5	81.04	0005	4568.	72.	0000	10	3329	0
ATL 254	3	0325	0000	15	50 216	21 11.0°N	82 50.0°W	5	81.12	0002	4463.	213.	0000	10	3725	0
ATL 254	3	0325	0000	26	50 216	21 11.0°N	82 50.0°W	5	81.12	0002	4463.	55.	0000	10	3359	0
ATL 254	3	0325	0000	15	50 216	21 11.0°N	82 50.0°W	5	81.12	0003	3596.	537.	0000	10	3379	0
ATL 254	3	0325	0000	26	50 216	21 11.0°N	82 50.0°W	5	81.12	0003	3596.	56.	0000	10	3759	0
ATL 254	3	0324	0000	15	50 215	21 32.0°N	83 10.0°W	5	81.13	0001	3655.	601.	0000	10	3735	0

MARSDEN SQUARE #102

ATI 15	5	0592	0000	18	55 325	20 50.0°N	61 1.0°E	9	102.01	0592	2628.	97.	0000	6	3359	0
ATI 15	5	0594	0000	15	55 325	20 35.0°N	63 53.0°E	9	102.03	0018	3338.	990.	0000	6	3860	0
ATI 15	5	0585	0000	15	55 321	20 7.0°N	67 55.0°E	9	102.07	0016	3047.	1210.	0000	24	3422	0
ATI 15	5	0585	0000	26	55 321	20 7.0°N	67 55.0°E	9	102.07	0016	3047.	102.	0000	24	3332	0
ATI 15	5	0585	0000	13	55 321	20 7.5°N	67 56.0°E	9	102.07	0586	3049.	87.	0000	24	3332	0
ATI 15	4	0585	0000	13	65 321	20 9.0°N	69 26.0°E	9	102.09	0585	216.	80.	0000	2	3355	0

MARSDEN SQUARE #103

ATI 15	5	0591	0000	13	55 325	21 0.0°N	59 33.0°E	9	103.19	0591	1267.	70.	0000	4	3359	0
ATI 15	5	0590	0000	13	55 324	23 7.0°N	59 22.0°E	9	103.39	0590	1805.	42.	0000	4	3359	0
ATI 93	18	0084	0000	15	77 320	23 55.4°N	59 13.9°E	12	103.39	0067	3314.	926.	0000	10	3830	0
ATI 93	18	0084	0000	26	77 320	23 55.4°N	59 13.9°E	12	103.39	0067	3314.	127.	0000	10	3830	0
ATI 93	18	0082	0000	15	77 315	24 33.2°N	57 33.2°E	12	103.47	0060	1590.	661.	0000	20	3370	0
ATI 93	18	0082	0000	26	77 315	24 33.2°N	57 33.2°E	12	103.47	0060	1590.	65.	0000	20	3310	0
ATI 93	18	0083	0000	15	77 315	24 24.6°N	57 59.1°E	12	103.47	0061	2658.	651.	0000	20	3362	0
ATI 93	18	0083	0000	26	77 315	24 24.6°N	57 59.1°E	12	103.47	0061	2658.	70.	0000	20	3310	0
ATI 15	5	0589	0000	15	65 324	24 2.0°N	59 53.1°E	9	103.49	0017	3341.	742.	0000	6	2230	0
ATI 15	5	0589	0000	13	65 324	24 2.0°N	59 53.1°E	9	103.49	0589	3341.	82.	0000	6	4239	0
ATI 93	18	0076	0000	13	77 313	25 39.5°N	53 8.8°E	12	103.53	0053	48.	90.	0000	21	3012	0
ATI 93	18	0076	0000	15	77 313	25 39.5°N	53 8.8°E	12	103.53	0054	48.	30.	0000	21	3510	0
ATI 93	18	0076	0000	26	77 313	25 39.5°N	53 8.8°E	12	103.53	0054	48.	8.	0000	21	3500	0
ATI 93	18	0077	0000	15	77 313	25 20.5°N	54 11.5°E	12	103.54	0055	29.	217.	0000	21	8511	0

MARSDEN SQUARE #103

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
AII 93	18	0080	0000	15	77 314	25 58.7'N	56 43.3'E	12	103.56	0058	103.	260.	0000	21	3561	0
AII 93	18	0080	0000	26	77 314	25 58.7'N	56 43.3'E	12	103.56	0058	103.	89.	0000	21	3312	0
AII 93	18	0081	0000	15	77 314	25 18.2'N	57 0.7'E	12	103.57	0059	311.	684.	0000	20	3310	0
AII 93	18	0081	0000	26	77 314	25 18.2'N	57 0.7'E	12	103.57	0059	311.	73.	0000	20	3310	0
AII 93	18	0074	0000	15	77 312	26 57.6'N	52 5.1'E	12	103.62	0050	51.	510.	0000	21	3510	0
AII 93	18	0074	0000	13	77 312	26 57.6'N	52 5.1'E	12	103.62	0051	51.	107.	0000	21	3312	0
AII 93	18	0075	0000	15	77 312	26 56.8'N	52 42.9'E	12	103.62	0052	78.	306.	0000	21	3310	0
AII 93	18	0075	0000	26	77 312	26 56.8'N	52 42.9'E	12	103.62	0052	78.	67.	0000	21	3360	0
AII 93	18	0078	0000	15	77 313	25 2.4'N	54 55.4'E	12	103.64	0056	84.	403.	0000	21	0000	0
AII 93	18	0078	0000	26	77 313	25 2.4'N	54 55.4'E	12	103.64	0056	84.	35.	0000	21	3311	0
AII 93	18	0065	0000	13	77 3 4	26 58.2'N	55 12.9'E	12	103.65	0041	74.	9.	0000	21	0000	0
AII 93	18	0079	0000	15	77 314	25 2.6'N	56 1.7'E	12	103.66	0057	72.	363.	0000	21	5310	0
AII 93	18	0079	0000	26	77 314	25 2.6'N	56 1.7'E	12	103.66	0057	72.	52.	0000	21	3312	0
AII 93	18	0072	0000	13	77 311	27 27.3'N	50 27.8'E	12	103.70	0048	61.	75.	0000	21	3510	0
AII 93	18	0072	0000	15	77 311	27 26.6'N	50 28.1'E	12	103.70	0048	61.	8.	0000	21	5000	0
AII 93	18	0072	0000	26	77 311	27 26.6'N	50 28.1'E	12	103.70	0048	61.	31.	0000	21	3510	0
AII 93	18	0073	0000	13	77 311	27 4.6'N	50 56.4'E	12	103.70	0049	63.	71.	0000	21	3510	0
AII 93	18	0073	0000	13	77 311	27 4.6'N	50 56.4'E	12	103.70	049A	63.	82.	0000	21	3510	0
AII 93	18	0071	0000	15	77 311	28 21.4'N	50 36.6'E	12	103.80	0047	53.	448.	0000	21	8380	0
AII 93	18	0071	0000	26	77 311	28 21.4'N	50 36.6'E	12	103.80	0047	53.	28.	0000	21	3320	0
AII 93	18	0070	0000	15	77 310	29 3.6'N	50 15.5'E	12	103.90	0046	46.	375.	0000	21	3570	0
AII 93	18	0070	0000	26	77 310	29 3.6'N	50 15.5'E	12	103.90	0046	46.	85.	0000	21	3510	0

MARSDEN SQUARE #104

AII 15	14	0749	0000	13	65 617	25 55.5'S	43 21.5'E	9	104.53	0749	3802.	136.	0000	6	0352	0
AII 93	18	0068	0000	13	77 310	28 49.3'N	49 35.7'E	12	104.89	0044	43.	38.	0000	21	5310	0
AII 93	18	0069	0000	15	77 310	29 20.2'N	49 45.3'E	12	104.99	0045	30.	531.	0000	21	3330	0
AII 93	18	0069	0000	26	77 310	29 20.2'N	49 45.3'E	12	104.99	0045	30.	105.	0000	21	3542	0

MARSDEN SQUARE #105

CHN 61	7	0151	0000	13	6611 3	20 42.0'N	38 15.0'E	1	105.08	0000	2302.	301.	0000	16	4345	41
CHN 61	7	0156	0000	18	6611 6	20 59.0'N	38 19.0'E	1	105.08	156A	1748.	50.	0000	21	3429	0
CHN 61	7	0156	0000	18	6611 6	20 58.5'N	38 20.5'E	1	105.08	156B	1331.	65.	0000	21	3339	0
CHN 100	3	0031	0000	15	71 323	20 51.0'N	38 9.1'E	1	105.08	0023	1827.	24.	0000	16	3357	0
CHN 100	3	0031	0000	26	71 323	20 51.0'N	38 9.1'E	1	105.08	0023	1827.	64.	0000	16	3359	0
CHN 100	3	0007	0000	15	71 3 7	20 27.7'N	39 13.9'E	9	105.09	0006	646.	635.	0000	2	3328	0
CHN 100	3	0023	0000	15	71 313	21 16.6'N	37 59.7'E	1	105.17	0017	1659.	775.	0000	16	3327	0
AII 15	3	0541	0000	15	65 218	21 17.0'N	38 2.0'E	9	105.18	0004	2089.	0.	0000	21	0000	0
AII 93	19	0029	0000	15	77 4 3	21 23.5'N	38 3.4'E	9	105.18	0064	2087.	909.	0000	21	0000	0
AII 93	19	0083	0000	26	77 4 3	21 23.5'N	38 3.4'E	9	105.18	0064	2087.	159.	0000	21	0000	0
CHN 61	5	0072	0000	15	661017	21 17.8'N	38 2.8'E	6	105.18	0000	1931.	206.	0000	21	4332	41
CHN 61	5	0073	0000	13	661017	21 14.7'N	38 4.7'E	6	105.18	0000	2028.	51.	0000	21	3432	41
CHN 61	6	0078	0000	18	661018	21 22.8'N	38 0.5'E	10	105.18	078A	1748.	40.	0000	16	3729	0
CHN 61	6	0078	0000	18	661018	21 22.5'N	38 4.0'E	10	105.18	078C	2056.	90.	0000	16	0059	0
CHN 61	6	0078	0000	18	661018	21 22.5'N	38 4.7'E	10	105.18	078D	2084.	95.	0000	16	0059	0
CHN 61	6	0079	0000	13	661018	21 21.3'N	38 3.6'E	10	105.18	0000	2154.	219.	0000	16	0019	0

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MARSDEN SQUARE #105

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA
													DEPTH	TYPE		CODE	
CHN	61	6	0080	0000	15	661019	21 16.9'N	38 2.0'E	6	105.18	0000	2202.	855.	0000	16	4869	41
CHN	61	6	0081	0000	15	661019	21 17.0'N	38 2.1'E	10	105.18	0000	2167.	882.	0000	16	4341	0
CHN	61	6	0081	0000	26	661019	21 17.0'N	38 2.1'E	10	105.18	0000	2167.	135.	0000	16	4079	0
CHN	61	6	0082	0000	18	661019	21 18.8'N	38 3.8'E	10	105.18	0828	1984.	92.	0000	16	0019	0
CHN	61	6	0082	0000	18	661019	21 18.8'N	38 3.5'E	10	105.18	082C	1944.	104.	0000	16	4459	0
CHN	61	6	0082	0000	18	661019	21 18.8'N	38 3.2'E	10	105.18	0820	1967.	121.	0000	16	0439	0
CHN	61	6	0084	0000	15	661020	21 21.0'N	38 3.8'E	10	105.18	0000	2167.	955.	0000	16	0019	41
CHN	61	6	0084	0000	20	661020	21 21.0'N	38 3.8'E	10	105.18	0000	2132.	400.	0000	16	0000	0
CHN	61	6	0084	0000	26	661020	21 21.0'N	38 3.8'E	10	105.18	0000	2167.	70.	0000	16	0059	41
CHN	61	6	0085	0000	20	661020	21 18.8'N	38 3.9'E	1	105.18	0085	1939.	400.	0000	16	0000	0
CHN	61	6	0089	0000	18	661022	21 23.3'N	38 3.4'E	10	105.18	0898	1917.	90.	0000	16	0432	0
CHN	61	6	0089	0000	18	661022	21 22.8'N	38 2.3'E	10	105.18	0000	2107.	121.	0000	16	0059	0
CHN	61	6	0094	0000	13	661020	21 20.8'N	38 3.9'E	10	105.18	0000	2171.	255.	0000	16	0039	41
CHN	61	6	0095	0000	13	661022	21 23.3'N	38 3.1'E	10	105.18	0000	1940.	200.	0000	16	0039	41
CHN	61	6	0095	0000	20	661022	21 23.4'N	38 3.3'E	10	105.18	0000	1882.	305.	0000	16	0000	0
CHN	61	6	0096	0000	13	661022	21 26.5'N	38 3.0'E	10	105.18	0000	2048.	54.	0000	16	0059	41
CHN	61	6	0106	0000	13	661023	21 21.2'N	38 3.5'E	10	105.18	0000	2167.	84.	0000	16	0059	41
CHN	61	6	0107	0000	13	661023	21 21.7'N	38 3.3'E	10	105.18	0000	2153.	78.	0000	16	0039	41
CHN	61	6	0108	0000	13	661023	21 22.4'N	38 4.7'E	10	105.18	0000	1889.	197.	0000	16	0039	41
CHN	61	6	0109	0000	13	661023	21 24.1'N	38 4.0'E	10	105.18	0000	2078.	260.	0000	16	0039	41
CHN	61	6	0111	0000	18	661024	21 21.6'N	38 5.5'E	10	105.18	1110	1966.	122.	0000	16	0339	0
CHN	61	6	0111	0000	18	661024	21 21.5'N	38 5.3'E	10	105.18	111C	2017.	122.	0000	16	0059	0
CHN	61	6	0118	0000	20	661025	21 14.4'N	38 4.3'E	10	105.18	0118	1959.	400.	0000	16	0000	0
CHN	61	6	0120	0000	20	661025	21 22.5'N	38 4.5'E	10	105.18	0120	2028.	400.	0000	16	0000	0
CHN	61	6	0122	0000	13	661026	21 17.6'N	38 1.5'E	10	105.18	0122	1944.	298.	0000	16	0331	41
CHN	61	7	0124	0000	15	661030	21 23.2'N	38 4.3'E	10	105.18	0000	2057.	125.	0000	16	4459	41
CHN	61	7	0124	0000	26	661030	21 23.2'N	38 4.3'E	10	105.18	0000	2057.	95.	0000	16	0039	41
CHN	61	7	0126	0000	15	661030	21 21.9'N	38 4.4'E	10	105.18	0000	2068.	810.	0000	16	0039	41
CHN	61	7	0126	0000	26	661030	21 21.9'N	38 4.4'E	10	105.18	0000	2068.	205.	0000	16	0039	41
CHN	61	7	0127	0000	15	661030	21 22.4'N	38 2.9'E	10	105.18	0000	2106.	834.	0000	16	0449	41
CHN	61	7	0127	0000	26	661030	21 22.4'N	38 2.9'E	10	105.18	0000	2106.	148.	0000	16	0059	41
CHN	61	7	0128	0000	15	661030	21 25.4'N	38 3.4'E	10	105.18	0000	2077.	874.	0000	16	0339	41
CHN	61	7	0128	0000	26	661030	21 25.4'N	38 3.4'E	10	105.18	0000	2077.	170.	0000	16	0339	41
CHN	61	7	0129	0000	15	661030	21 25.3'N	38 2.9'E	10	105.18	0000	2027.	158.	0000	16	4447	41
CHN	61	7	0135	0000	13	6611 1	21 30.0'N	38 16.0'E	10	105.18	0000	752.	23.	0000	16	4969	41
CHN	61	7	0136	0000	13	6611 1	21 28.0'N	38 13.0'E	10	105.18	0000	1277.	39.	0000	16	3352	41
CHN	61	7	0139	0000	18	6611 1	21 25.7'N	38 2.8'E	10	105.18	139A	1972.	122.	0000	16	0447	0
CHN	61	7	0139	0000	18	6611 1	21 25.7'N	38 2.7'E	10	105.18	139B	2007.	122.	0000	16	0017	0
CHN	61	7	0143	0000	20	6611 2	21 27.0'N	38 3.0'E	10	105.18	0000	1882.	354.	0000	16	0000	0
CHN	61	7	0158	0000	13	6611 7	21 17.8'N	38 2.8'E	1	105.18	0000	2209.	162.	0000	21	3439	41
CHN	61	7	0159	0000	15	6611 7	21 18.2'N	38 3.5'E	1	105.18	0000	1982.	332.	0000	16	4962	0
CHN	61	7	0159	0000	26	6611 7	21 18.2'N	38 3.5'E	1	105.18	0000	1982.	160.	0000	16	0337	0
CHN	61	7	0161	0000	20	6611 9	21 18.6'N	38 3.7'E	1	105.18	0000	1920.	324.	0000	16	0000	0
CHN	100	3	0008	0000	15	71 3 9	21 20.8'N	38 6.2'E	10	105.18	0007	2163.	1180.	0000	16	0000	0
CHN	100	3	0008	0000	26	71 3 9	21 20.8'N	38 6.2'E	10	105.18	0007	2163.	147.	0000	16	0000	0
CHN	100	3	0010	0000	15	71 3 9	21 24.0'N	38 4.8'E	1	105.18	0009	1931.	1175.	0000	16	0000	0
CHN	100	3	0010	0000	26	71 3 9	21 24.0'N	38 4.8'E	1	105.18	0009	1931.	153.	0000	16	0000	0
CHN	100	3	0012	0000	15	71 310	21 22.2'N	38 5.2'E	1	105.18	0010	2048.	346.	0000	16	0000	45
CHN	100	3	0012	0000	26	71 310	21 22.2'N	38 5.2'E	1	105.18	0010	2048.	150.	0000	16	0000	45
CHN	100	3	0013	0000	13	71 310	21 25.6'N	38 2.6'E	1	105.18	0011	2088.	133.	0000	16	0000	45

MARSDEN SQUARE #105

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 100	3	0014	0000	26	71 311	21 25.0°N	38 4.8°E	1	105.18	0012	2035.	153.	0000	16	0000	0
CHN 100	3	0016	0000	15	71 311	21 18.1°N	38 5.2°E	1	105.18	0013	1838.	209.	0000	16	0000	0
CHN 100	3	0016	0000	26	71 311	21 18.1°N	38 5.2°E	1	105.18	0013	1838.	86.	0000	16	0000	0
CHN 100	3	0018	0000	15	71 311	21 24.8°N	38 4.7°E	1	105.18	0014	1926.	565.	0000	16	0000	0
CHN 100	3	0018	0000	26	71 311	21 24.8°N	38 4.7°E	1	105.18	0014	1926.	153.	0000	16	0000	0
CHN 100	3	0019	0000	15	71 312	21 21.0°N	38 5.1°E	1	105.18	0015	1869.	140.	0000	16	0000	0
CHN 100	3	0019	0000	26	71 312	21 21.0°N	38 5.1°E	1	105.18	0015	1869.	125.	0000	16	0000	0
CHN 100	3	0020	0000	15	71 312	21 19.1°N	38 7.4°E	1	105.18	0016	1880.	485.	0000	16	3421	0
CHN 100	3	0020	0000	26	71 312	21 19.1°N	38 7.4°E	1	105.18	0016	1880.	152.	0000	16	3327	0
CHN 100	3	0024	0000	15	71 316	21 21.7°N	38 3.9°E	1	105.18	0018	2128.	905.	0000	16	0000	0
CHN 100	3	0024	0000	26	71 316	21 21.7°N	38 3.9°E	1	105.18	0018	2128.	153.	0000	16	0000	0
CHN 100	3	0025	0000	15	71 316	21 22.2°N	38 14.0°E	1	105.18	0019	1390.	739.	0000	15	3827	0
CHN 100	3	0027	0000	15	71 316	21 22.4°N	38 17.3°E	1	105.18	0020	1026.	508.	0000	15	3838	0
CHN 100	3	0028	0000	15	71 320	21 18.8°N	38 58.8°E	1	105.18	0021	885.	605.	0000	4	3738	0
CHN 100	3	0029	0000	26	71 320	21 18.8°N	38 58.8°E	1	105.18	0021	885.	148.	0000	4	3739	0
CHN 100	3	0030	0000	15	71 322	21 24.0°N	38 11.4°E	1	105.18	0022	1172.	552.	0000	15	3338	0
CHN 100	3	0030	0000	26	71 322	21 24.0°N	38 11.4°E	1	105.18	0022	1172.	57.	0000	15	3329	0
CHN 61	7	0165	0000	26	6611 9	22 28.2°N	37 46.5°E	1	105.27	0000	2167.	102.	0000	21	3739	0
AII 93	19	0090	0000	15	77 4 4	23 11.1°N	37 11.4°E	9	105.37	0065	2233.	413.	0000	16	0000	0
AII 93	19	0090	0000	26	77 4 4	23 11.1°N	37 11.4°E	9	105.37	0065	2233.	120.	0000	16	0000	0
AII 93	19	0091	0000	15	77 4 5	24 44.1°N	36 17.2°E	9	105.37	0066	1329.	474.	0000	16	0000	0
AII 93	19	0091	0000	26	77 4 5	24 44.1°N	36 17.2°E	9	105.37	0066	1329.	104.	0000	16	0000	0
CHN 61	7	0167	0000	15	661110	23 20.0°N	37 20.0°E	1	105.37	0000	827.	757.	0000	21	3329	41
AII 93	18	0064	0000	13	77 3 3	26 6.4°N	35 43.1°E	12	105.65	0040	80.	0.	0000	21	9000	0
AII 93	19	0093	0000	15	77 4 9	27 53.1°N	34 30.0°E	9	105.74	0067	1116.	855.	0000	21	3348	0
AII 93	19	0093	0000	26	77 4 9	27 53.1°N	34 30.0°E	9	105.74	0067	1116.	102.	0000	21	3320	0
AII 93	19	0094	0000	15	77 4 10	27 38.4°N	34 28.1°E	9	105.74	0068	1087.	827.	0000	21	3360	0
AII 93	19	0095	0000	15	77 410	28 7.2°N	34 29.7°E	2	105.84	0069	1228.	506.	0000	21	8901	0
AII 93	19	0095	0000	26	77 410	28 7.2°N	34 29.7°E	2	105.84	0069	1228.	11.	0000	21	0000	0
AII 93	19	0096	0000	15	77 410	28 32.1°N	34 34.3°E	2	105.84	0070	963.	735.	0000	21	3870	0
AII 93	19	0096	0000	26	77 410	28 32.1°N	34 34.3°E	2	105.84	0070	963.	90.	0000	21	3310	0
AII 93	19	0097	0000	15	77 410	28 50.1°N	34 42.5°E	9	105.84	0071	735.	535.	0000	21	3372	0
AII 93	19	0097	0000	26	77 410	28 50.1°N	34 42.5°E	9	105.84	0071	735.	116.	0000	21	3360	0
AII 93	19	0098	0000	15	77 410	29 11.5°N	34 47.6°E	9	105.94	0072	888.	673.	0000	21	3830	0
AII 93	19	0099	0000	15	77 410	29 24.0°N	34 53.2°E	9	105.94	0073	858.	683.	0000	21	3310	0
AII 93	19	0099	0000	26	77 410	29 24.0°N	34 53.2°E	9	105.94	0073	858.	64.	0000	21	3311	0
AII 93	19	0101	0000	15	77 413	28 18.2°N	34 31.4°E	9	105.94	0074	884.	729.	0000	21	3302	0
AII 93	19	0101	0000	26	77 413	28 18.2°N	34 31.4°E	9	105.94	0074	884.	61.	0000	21	3310	0

MARSDEN SQUARE #109

CIS 79	1	0001	0000	13	79 921	35 33.3°N	4 46.0°W	9	109.54	0001	478.	76.	0000	2	4859	0
CIS 79	1	0002	0000	13	79 922	35 33.5°N	4 40.2°W	9	109.54	0002	587.	77.	0000	2	4859	0
CIS 79	1	0003	0000	13	79 922	35 35.2°N	4 38.7°W	9	109.54	0003	702.	72.	0000	2	4859	0
CHN 82	6	0221	0000	15	68 728	36 9.5°N	7 16.3°W	8	109.67	0001	830.	674.	0000	4	4869	40
CHN 82	6	0221	0000	26	68 728	36 9.5°N	7 16.3°W	8	109.67	0001	830.	77.	0000	4	4869	40

MARSDEN SQUARE #110

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE-VICE	DATE YR/MO/DA	LATITUDE	LONGITUDE	FIX TYPE	MARS-DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID-GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 21	1	0014	0000	13	61 915	33 32.0°N	18 11.0°W	1	110.38	0014	3835.	0.	0000	5	0000	0
CHN 21	1	0015	0000	13	61 916	34 0.0°N	15 51.0°W	1	110.45	0015	3955.	167.	0000	5	3350	0
CHN 82	6	0022	0000	15	68 731	35 39.0°N	13 42.0°W	5	110.53	0002	4853.	708.	0000	10	3831	54
CHN 82	6	0022	0000	26	68 731	35 39.0°N	13 42.0°W	5	110.53	0002	4853.	60.	0000	10	3831	54

MARSDEN SQUARE #111

CHN 96	4	0008	0000	26	691119	30 31.3°N	20 19.7°W	9	111.00	0008	4818.	55.	0000	6	3839	54
CHN 7	8	0011	0000	13	59 8 1	30 30.0°N	28 23.0°W	4	111.08	0011	4204.	73.	0000	12	3599	0
CHN 96	4	0010	0000	15	6912 3	32 36.1°N	21 26.2°W	9	111.21	0010	5129.	840.	0000	6	3731	47
CHN 96	4	0010	0000	26	6912 3	32 36.1°N	21 26.2°W	9	111.21	0010	5129.	103.	0000	6	4331	47

MARSDEN SQUARE #112

KNR 31	3	0001	0000	16	73 628	36 26.8°N	32 0.1°W	9	112.62	0001	2829.	1083.	0000	15	3324	0
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MARSDEN SQUARE #113

CHN 96	4	0006	0000	15	691113	30 18.4°N	42 37.8°W	9	113.02	0006	3205.	536.	0000	15	3721	54
CHN 96	4	0006	0000	26	691113	30 18.4°N	42 37.8°W	9	113.02	0006	3205.	82.	0000	15	3329	54
CHN 96	5	0013	0000	13	6912 9	30 4.4°N	42 28.9°W	8	113.02	0013	5216.	59.	0000	19	8339	54
CHN 96	5	0012	0000	15	6912 9	30 15.7°N	43 18.9°W	8	113.03	0012	3955.	517.	0000	19	3739	54
CHN 96	5	0014	0000	13	691210	30 21.9°N	44 7.2°W	8	113.04	0014	4119.	293.	0000	19	3329	54
CHN 96	5	0015	0000	13	691210	30 29.9°N	44 50.5°W	8	113.04	0015	4083.	285.	0000	19	3731	54
CHN 99	2	0002	0000	15	70 423	30 41.0°N	46 27.9°W	8	113.06	0001	4294.	800.	0000	19	3329	0
CHN 99	2	0004	0000	15	70 424	31 13.5°N	43 43.1°W	8	113.13	0003	3857.	673.	0000	19	3322	0
CHN 99	2	0003	0000	15	70 423	31 17.7°N	45 13.1°W	8	113.16	0002	4358.	525.	0000	19	3329	0

MARSDEN SQUARE #114

ATI 85	2	0004	0000	13	74 920	33 40.7°N	57 36.6°W	9	114.37	0004	4530.	183.	0000	13	3322	0
ATI 85	2	0008	0000	13	74 921	33 54.1°N	57 21.7°W	9	114.37	0008	4630.	198.	0000	13	3148	0
KNR 31	3	0003	0000	16	73 7 6	33 50.8°N	57 2.4°W	9	114.37	0003	5090.	2995.	0000	13	2439	0
KNR 31	3	0005	0000	16	73 710	33 41.2°N	57 36.9°W	9	114.37	0005	4583.	3191.	0000	13	4439	0
KNR 31	3	0006	0000	16	73 711	33 56.9°N	57 21.3°W	9	114.37	0006	4672.	1404.	0000	13	1423	0
KNR 47	1	0001	0000	15	75 210	33 50.6°N	57 33.1°W	9	114.37	0001	4284.	1155.	0000	13	4660	0
KNR 47	1	0001	0000	26	75 210	33 50.6°N	57 33.1°W	9	114.37	0001	4284.	122.	0000	13	3369	0
KNR 47	1	0002	0000	15	75 211	33 40.8°N	57 40.3°W	6	114.37	0002	4619.	1195.	0000	13	4660	0
KNR 47	1	0002	0000	26	75 211	33 40.8°N	57 40.3°W	6	114.37	0002	4619.	37.	0000	13	3339	0
KNR 47	1	0004	0000	15	75 215	33 54.8°N	57 23.3°W	6	114.37	0004	4792.	775.	0000	13	1342	0
KNR 47	1	0004	0000	26	75 215	33 54.8°N	57 23.3°W	6	114.37	0004	4792.	52.	0000	13	3353	0
KNR 47	1	0005	0000	15	75 216	33 30.6°N	57 49.4°W	6	114.37	0005	4618.	1189.	0000	13	4340	0
KNR 47	1	0005	0000	26	75 216	33 30.6°N	57 49.4°W	6	114.37	0005	4618.	68.	0000	13	3359	0
KNR 47	1	0033	0000	13	75 216	34 10.3°N	57 11.5°W	6	114.47	0006	5500.	150.	0000	13	1328	0

CC44

MARSDEN SQUARE #115

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
													DEPTH				
ATL	42	1	0045	0000	15	68 724	30 54.0°N	63 23.0°W	1	115.03	0031	5006.	896.	0000	13	3431	54
ATL	282	1	0001	0000	13	62 711	30 27.0°N	65 44.0°W	5	115.05	001A	4945.	269.	0000	13	3869	0
ATL	92	1	0004	0000	15	75 9 4	30 16.0°N	66 3.5°W	9	115.06	0001	4915.	775.	0000	13	4327	53
ATL	92	1	0004	0000	26	75 9 4	30 16.0°N	66 3.5°W	9	115.06	0001	4915.	49.	0000	13	3353	53
ATL	92	1	0007	0000	15	75 9 5	30 18.6°N	66 7.5°W	9	115.06	0002	4969.	579.	0000	13	3338	53
ATL	92	1	0007	0000	26	75 9 5	30 18.6°N	66 7.5°W	9	115.06	0002	4969.	19.	0000	13	3359	53
ATL	92	1	0009	0000	15	75 9 7	30 19.8°N	66 6.2°W	9	115.06	0003	4951.	590.	0000	13	3349	53
ATL	92	1	0709	0000	26	75 9 7	30 19.8°N	66 6.2°W	9	115.06	0003	4951.	88.	0000	13	3439	53
ATL	92	1	0017	0000	15	75 910	30 17.7°N	66 5.0°W	9	115.06	0004	4954.	1004.	0000	13	3428	53
ATL	92	1	0017	0000	26	75 910	30 17.7°N	66 5.0°W	9	115.06	0004	4954.	145.	0000	13	3328	53
CHN	47	1	0034	0000	18	65 5 5	30 30.7°N	66 52.0°W	5	115.06	0003	5096.	100.	0000	13	1349	0
KNR	102	1	0007	0000	15	83 516	30 59.2°N	66 27.6°W	6	115.06	0007	4920.	973.	0000	10	4329	0
KNR	102	1	0007	0000	26	83 516	30 59.2°N	66 27.6°W	6	115.06	0007	4920.	144.	0000	10	3389	0
KNR	102	1	0008	0000	15	83 517	31 3.9°N	66 31.4°W	6	115.06	0008	4925.	1036.	0000	10	3422	0
KNR	102	1	0008	0000	26	83 517	31 3.9°N	66 31.4°W	6	115.06	0008	4925.	133.	0000	10	3329	0
ATL	282	1	0023	0000	15	62 8 7	30 27.0°N	67 58.0°W	5	115.07	0023	5188.	437.	0000	13	2379	0
KNR	102	1	0003	0000	15	83 5 7	30 15.9°N	69 35.9°W	6	115.09	0003	5265.	1160.	0000	10	3429	0
KNR	102	1	0003	0000	26	83 5 7	30 15.9°N	69 35.9°W	6	115.09	0003	5265.	145.	0000	10	3339	0
KNR	102	1	0004	0000	15	83 510	30 10.3°N	69 46.4°W	6	115.09	0004	5300.	1065.	0000	10	1429	0
KNR	102	1	0004	0000	26	83 510	30 10.3°N	69 46.4°W	6	115.09	0004	5300.	145.	0000	10	1469	0
CHN	19	1	0001	0000	15	61 618	31 50.0°N	64 45.0°W	1	115.14	0001	4149.	415.	0000	13	3735	0
KNR	102	1	0009	0000	15	83 519	31 31.7°N	65 40.8°W	6	115.15	0009	4708.	1030.	0000	10	3432	0
KNR	102	1	0009	0000	26	83 519	31 31.7°N	65 40.8°W	6	115.15	0009	4708.	97.	0000	10	3332	0
KNR	102	1	0010	0000	15	83 521	31 31.9°N	65 27.9°W	6	115.15	0010	4655.	1151.	0000	10	3322	0
KNR	102	1	0010	0000	26	83 521	31 31.9°N	65 27.9°W	6	115.15	0010	4655.	127.	0000	10	3329	0
KNR	102	1	0005	0000	15	83 512	31 6.8°N	68 6.5°W	6	115.18	0005	5125.	1091.	0000	10	4329	0
KNR	102	1	0005	0000	26	83 512	31 6.8°N	68 6.5°W	6	115.18	0005	5125.	129.	0000	10	3429	0
KNR	102	1	0006	0000	15	83 514	31 9.9°N	68 2.2°W	6	115.18	0006	5110.	1157.	0000	10	3429	0
KNR	102	1	0006	0000	26	83 514	31 9.9°N	68 2.2°W	6	115.18	0006	5110.	127.	0000	10	3429	0
KNR	102	1	0011	0000	15	83 522	32 22.0°N	63 40.0°W	6	115.23	0011	4440.	1139.	0000	10	3329	0
KNR	102	1	0011	0000	26	83 522	32 22.0°N	63 40.0°W	6	115.23	0011	4440.	129.	0000	10	3322	0
KNR	102	1	0012	0000	15	83 525	32 22.1°N	63 46.9°W	6	115.23	0012	4405.	1033.	0000	10	3731	0
KNR	102	1	0012	0000	26	83 525	32 22.1°N	63 46.9°W	6	115.23	0012	4405.	5.	0000	10	3732	0
LLN	39	1	0001	0000	16	76 816	32 34.8°N	63 55.6°W	9	115.23	0001	4261.	949.	0000	10	3372	0
KNR	102	1	0013	0000	15	83 527	33 42.5°N	67 26.0°W	6	115.37	0013	5130.	953.	0000	10	1329	0
KNR	102	1	0013	0000	26	83 527	33 42.5°N	67 26.0°W	6	115.37	0013	5130.	137.	0000	10	1339	0
KNR	102	1	0014	0000	15	83 528	33 32.5°N	67 24.0°N	6	115.37	0014	5085.	1139.	0000	10	4329	0
KNR	102	1	0014	0000	26	83 528	33 32.5°N	67 24.0°N	6	115.37	0014	5085.	112.	0000	10	4329	0
CHN	13	1	0001	0000	15	60 710	34 28.0°N	62 13.0°W	5	115.42	0001	4956.	579.	0000	13	3129	0
CHN	47	1	0004	0000	19	65 423	34 53.3°N	66 42.0°W	5	115.46	0001	5151.	111.	0000	13	3279	0
CHN	13	1	0002	0000	15	60 711	35 32.0°N	61 8.0°W	5	115.51	0002	4821.	882.	0000	13	3332	0
ATL	96	1	0003	0000	15	77 921	35 40.6°N	65 48.7°W	9	115.55	0004	4826.	98.	0000	13	0000	0
ATL	1	1	0009	0000	15	63 328	36 34.5°N	67 30.5°W	5	115.67	0009	4979.	26.	0000	10	4459	0
ATL	297	1	6375	0000	13	63 819	36 50.5°N	69 36.0°W	5	115.69	0005	4396.	58.	0000	6	4459	0
ATL	297	1	6377	0000	13	63 819	36 47.0°N	69 53.0°W	5	115.69	0006	4401.	60.	0000	6	4459	0
ATL	296	0	0072	0000	13	63 8 6	37 53.2°N	63 22.0°W	5	115.73	0007	5043.	46.	0000	12	3839	41
ATL	297	1	6380	0000	13	63 823	37 25.0°N	69 28.0°W	5	115.79	0007	4270.	39.	0000	6	3359	0
ATL	297	1	6381	0000	13	63 824	37 41.0°N	69 33.5°W	5	115.79	0008	4110.	117.	0000	6	3359	0
ATL	296	0	0001	0000	13	63 8 5	38 44.5°N	63 34.0°W	5	115.83	0001	5043.	63.	0000	12	8339	41
KNR	74	1	0008	0000	14	79 912	39 8.0°N	62 44.0°W	6	115.92	0008	5022.	54.	0000	6	3769	0

MARS DEN SQUARE #115

SHIP	CRUISE	LEG	STATION	SAMPLE	DE- VICE	DATE	LATITUDE	LONGITUDE	FIX	MARS- DEN	CORE OR DREDGE	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA TYPE CODE
KNR	74	1	0044	0000	14	791029	39 48.7°N	62 47.1°W	6	115.92	0044	4958.	53.	8694	0	0006	0
ATL	296	0	0005	0000	13	63 810	39 33.0°N	66 17.0°W	5	115.93	0006	4340.	187.	0000	12	1339	41
KNR	74	1	0007	0000	14	79 912	39 52.5°N	63 30.3°W	6	115.93	0007	4909.	25.	0000	6	3763	0
KNR	74	1	0051	0000	14	7910 1	39 34.9°N	63 28.1°W	6	115.93	0051	4951.	27.	0000	6	3869	0
KNR	74	1	0052	0000	14	7910 2	39 52.4°N	63 45.6°W	6	115.93	0052	4878.	13.	0000	6	3869	0
KNR	74	1	0031	0000	14	79 923	39 31.2°N	64 12.8°W	6	115.94	0031	4887.	52.	0000	6	3869	0
KNR	74	1	0032	0000	14	79 924	39 47.6°N	64 30.5°W	6	115.94	0032	4785.	37.	0000	6	3869	0
ATL	296	0	0004	0000	13	63 8 9	39 32.0°N	65 49.5°W	5	115.95	0004	4345.	145.	0000	12	4229	41
ATL	296	0	0005	0000	13	63 8 9	39 9.0°N	65 54.0°W	5	115.95	0005	4616.	197.	0000	12	4239	41
ATL	296	0	0007	0000	13	63 810	39 47.0°N	65 13.5°W	5	115.95	0007	4481.	227.	0000	12	2839	41
ATL	296	0	0008	0000	13	63 811	39 26.5°N	65 9.0°W	5	115.95	0008	4773.	112.	0000	12	2839	41
ATL	296	0	0009	0000	13	63 811	39 46.0°N	66 28.0°W	5	115.96	0009	3940.	180.	0000	12	2839	41
CHN	115	1	0001	0000	15	731121	39 20.3°N	67 7.7°W	6	115.97	0001	2472.	461.	0000	12	4224	0
CHN	115	1	0001	0000	26	731121	39 20.3°N	67 7.7°W	6	115.97	0001	2472.	138.	0000	12	4330	0
CHN	115	1	0002	0000	15	731121	39 20.6°N	67 8.0°W	6	115.97	0002	2415.	785.	0000	12	2334	0
CHN	115	1	0002	0000	26	731121	39 20.6°N	67 8.0°W	6	115.97	0002	2415.	88.	0000	12	4334	0
CHN	115	1	0003	0000	15	731121	39 20.1°N	67 7.9°W	6	115.97	0003	2518.	645.	0000	12	4864	47
CHN	115	1	0003	0000	26	731121	39 20.1°N	67 7.9°W	6	115.97	0003	2518.	131.	0000	12	4844	47
CHN	115	1	0004	0000	15	731121	39 20.1°N	67 8.1°W	6	115.97	0004	2536.	213.	0000	12	4844	0
CHN	115	1	0004	0000	26	731121	39 20.1°N	67 8.1°W	6	115.97	0004	2536.	137.	0000	12	1234	0
KNR	31	5	0017	0000	18	73 9 2	39 25.1°N	67 1.3°W	11	115.97	0022	4039.	51.	0000	12	0259	0
KNR	31	5	0017	0000	18	73 9 2	39 25.1°N	67 1.4°W	11	115.97	0023	4026.	98.	0000	12	2028	0
KNR	31	5	0018	0000	17	73 9 2	39 24.3°N	67 4.1°W	11	115.97	0024	3929.	149.	0000	12	2464	0
KNR	31	5	0019	0000	18	73 9 2	39 21.6°N	67 5.2°W	11	115.97	0025	2515.	85.	0000	12	4814	0
KNR	31	5	0020	0000	17	73 9 2	39 20.5°N	67 6.5°W	9	115.97	0026	2726.	224.	0000	12	4343	0
GOS	102	0	0001	0000	15	67 822	39 35.0°N	68 46.5°W	5	115.98	0001	2562.	272.	0029	6	0000	0
GOS	102	0	0002	0000	15	67 822	39 53.3°N	68 51.8°W	5	115.98	0002	1951.	525.	0011	6	0000	0
GOS	137	0	2755	0000	13	681018	39 51.5°N	69 9.8°W	5	115.99	0001	1501.	236.	0000	6	0000	0
GOS	137	0	2756	0000	13	681018	39 51.5°N	69 9.8°W	5	115.99	0002	1473.	147.	0000	6	0000	0

MARS DEN SQUARE #115

ATI	1	1	0003	0000	15	63 226	30 56.0°N	74 36.0°W	5	116.04	0003	3539.	177.	0000	10	4450	0
ATI	1	1	0002	0000	15	63 225	31 15.0°N	73 58.0°W	5	116.13	0002	5070.	211.	0000	10	4250	0
ATI	72	1	0019	0000	15	721028	32 32.8°N	73 29.8°W	9	116.23	0016	5058.	850.	0000	4	4231	40
ATI	72	1	0019	0000	26	721028	32 32.8°N	73 29.8°W	9	116.23	0016	5058.	96.	0000	4	2331	40
ATI	72	1	0020	0000	15	721028	32 51.7°N	73 58.8°W	9	116.23	0017	4808.	657.	0000	4	4839	40
ATI	1	1	0001	0000	15	63 225	32 2.0°N	74 9.0°W	5	116.24	0001	4870.	222.	0000	10	4250	0
CHN	11	1	0012	0000	15	60 320	33 0.0°N	72 15.0°W	4	116.32	0013	5302.	610.	0000	10	3831	0
ATI	72	1	0027	0000	15	721031	33 26.9°N	74 53.5°W	9	116.34	0024	3824.	787.	0000	6	3221	40
ATI	72	1	0027	0000	26	721031	33 26.9°N	74 53.5°W	9	116.34	0024	3824.	52.	0000	6	3859	40
ATI	72	1	0029	0000	14	721031	33 7.3°N	74 27.8°W	5	116.34	0025	4307.	161.	0000	6	4459	40
ATI	72	1	0026	0000	15	721030	33 49.5°N	75 18.0°W	5	116.35	0023	3204.	863.	0000	6	0325	40
ATI	72	1	0026	0000	26	721030	33 49.5°N	75 18.0°W	5	116.35	0023	3204.	118.	0000	6	3349	40
ATI	72	1	0030	0000	18	7211 3	34 13.8°N	71 54.5°W	5	116.41	026A	4734.	99.	0000	6	3329	0
ATI	72	1	0030	0000	18	7211 3	34 14.5°N	71 54.0°W	5	116.41	026B	4730.	53.	0000	6	3329	0
ATI	72	1	0030	0000	18	7211 3	34 15.0°N	71 53.8°W	5	116.41	026C	4697.	62.	0000	6	4329	0
ATI	72	1	0031	0000	14	7211 4	34 15.0°N	71 51.5°W	5	116.41	0027	4717.	95.	0000	6	4449	40
ATI	72	1	0021	0000	15	721029	34 10.5°N	75 51.6°W	9	116.45	0018	481.	812.	0000	4	3855	40

MARSDEN SQUARE #116

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR/MO/DA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE DR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PRDV.	ROCK OR SED. TYPE	VITA CODE
AIH 72	1	0021	0000	26	721029	34 10.5°N	75 51.6°W	9	116.45	0018	481.	10.	0000	4	3865	40
AIH 72	1	0022	0000	15	721029	34 13.0°N	75 42.0°W	9	116.45	0019	1331.	38.	0000	4	3855	40
AIH 72	1	0022	0000	26	721029	34 13.0°N	75 42.0°W	9	116.45	0019	1331.	10.	0000	4	3567	40
AIH 72	1	0023	0000	15	721029	34 2.2°N	75 39.3°W	5	116.45	0020	2189.	832.	0000	4	4329	40
AIH 72	1	0023	0000	26	721029	34 2.2°N	75 39.3°W	5	116.45	0020	2189.	115.	0000	4	3355	40
AIH 72	1	0024	0000	15	721029	34 3.2°N	75 40.0°W	5	116.45	0021	2202.	198.	0000	4	4324	40
AIH 72	1	0025	0000	13	721030	34 1.0°N	75 37.0°W	5	116.45	0022	2942.	124.	0000	4	0025	0
ATL 297	1	6369	0000	13	63 818	36 40.0°N	70 11.0°W	5	116.60	0001	4418.	111.	0000	6	3839	0
ATL 223	1	0004	0000	13	56 528	31 26.1°N	76 26.6°W	5	116.66	0004	0.	0.	3406	7	0000	0
AIH 1	1	0008	0000	15	53 3 3	37 10.0°N	70 13.0°W	5	116.70	0008	4291.	80.	0000	10	3860	0
ATL 297	1	6371	0000	13	63 818	37 10.0°N	70 25.0°W	5	116.70	0002	4261.	40.	0000	6	4459	0
ATL 297	1	6372	0000	13	63 818	37 15.5°N	70 7.0°W	5	116.70	0003	4243.	21.	0000	6	3359	0
AIH 72	1	0002	0000	15	721021	39 58.5°N	70 34.5°W	5	116.90	0002	298.	345.	0000	4	2848	40
AIH 72	1	0003	0000	15	721021	39 49.9°N	70 34.3°W	9	116.90	0003	856.	824.	0000	4	2849	0
AIH 72	1	0003	0000	26	721021	39 49.9°N	70 34.3°W	9	116.90	0003	856.	99.	0000	4	2849	0
AIH 72	1	0004	0000	15	721021	39 43.6°N	70 32.7°W	9	116.90	0004	1937.	637.	0000	4	2430	0
AIH 72	1	0004	0000	26	721021	39 43.6°N	70 32.7°W	9	116.90	0004	1937.	20.	0000	4	3869	0
AIH 72	1	0005	0000	15	721021	39 39.8°N	70 33.6°W	5	116.90	0005	2105.	710.	0000	4	2239	0
AIH 72	1	0005	0000	26	721021	39 39.8°N	70 33.6°W	5	116.90	0005	2105.	16.	0000	4	3869	0
AIH 72	1	0008	0000	15	721022	39 49.5°N	70 59.8°W	9	116.90	0007	1002.	235.	0000	4	3439	40
AIH 72	1	0008	0000	26	721022	39 49.5°N	70 59.8°W	9	116.90	0007	1002.	49.	0000	4	3429	40
AIH 72	1	0009	0000	15	721022	39 37.6°N	70 59.7°W	9	116.90	0008	397.	693.	0000	4	2225	40
AIH 72	1	0009	0000	26	721022	39 37.6°N	70 59.7°W	9	116.90	0008	397.	139.	0000	4	2225	40
AIH 72	1	0013	0000	15	721023	39 55.5°N	70 43.3°W	9	116.90	0011	567.	482.	0000	4	2838	40
AIH 72	1	0013	0000	26	721023	39 55.5°N	70 43.3°W	9	116.90	0011	567.	103.	0000	4	2439	40
AIH 72	1	0014	0000	15	721023	39 48.9°N	70 43.5°W	5	116.90	0012	1249.	320.	0000	4	2259	40
AIH 72	1	0014	0000	26	721023	39 48.9°N	70 43.5°W	5	116.90	0012	1249.	124.	0000	4	2255	40
AIH 72	1	0015	0000	15	721023	39 41.0°N	70 45.7°W	5	116.90	0013	2218.	467.	0000	4	2329	40
AIH 72	1	0015	0000	26	721023	39 41.0°N	70 45.7°W	5	116.90	0013	2218.	35.	0000	4	3869	40
AIH 72	1	0016	0000	15	721026	39 28.1°N	70 45.6°W	9	116.90	0014	2478.	776.	0000	4	2339	0
AIH 72	1	0016	0000	26	721026	39 28.1°N	70 45.6°W	9	116.90	0014	2478.	99.	0000	4	3869	0
AIH 72	1	0017	0000	15	721026	39 43.5°N	70 47.1°W	9	116.90	0015	1331.	565.	0000	4	2325	40
ALB 18	4	0008	3057	13	681211	39 54.8°N	70 48.0°W	5	116.90	0008	552.	161.	0000	4	0000	0
ALB 18	4	0009	3058	13	681211	39 56.5°N	70 50.0°W	5	116.90	0009	595.	164.	0000	4	0000	0
ALB 18	4	0010	3059	13	681211	39 59.5°N	70 51.0°W	5	116.90	0010	260.	170.	0000	4	0000	0
AIH 72	1	0007	0000	15	721021	39 40.6°N	71 0.3°W	9	116.91	0006	2008.	612.	0000	4	4239	40
AIH 72	1	0007	0000	26	721021	39 40.6°N	71 0.3°W	9	116.91	0006	2008.	90.	0000	4	3869	40
ALB 18	4	0007	3056	13	681211	39 55.3°N	71 5.5°W	5	116.91	0007	556.	202.	0000	4	0000	0

MARSDEN SQUARE #124

LLN 44	1	0003	0000	16	761011	30 19.9°N	157 49.4°W	9	124.07	0003	5706.	3217.	0000	10	1170	0
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MARSDEN SQUARE #141

AIH 15	3	0522	0000	13	65 214	30 20.0°N	32 25.0°E	0	141.02	OBL1	10.	100.	0000	99	4470	0
AIH 15	3	0522	0000	13	65 214	30 20.0°N	32 25.0°E	0	141.02	OBL2	10.	0.	0000	99	4470	0
AIH 15	3	0522	0000	13	65 214	30 20.0°N	32 25.0°E	0	141.02	OBL3	10.	115.	0000	99	4470	0

MARSDEN SQUARE #141

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMMER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 119	2	0036	0000	13	75 328	31 30.9'N	30 18.8'E	3	141.10	0002	6.	60.	0000	24	6431	0
CHN 119	2	0055	0000	13	75 328	31 32.6'N	30 15.5'E	3	141.10	0003	11.	86.	0000	24	2259	0
CHN 119	2	0061	0000	15	75 329	31 40.8'N	30 1.4'E	9	141.10	0010	431.	615.	0000	25	4219	0
CHN 119	2	0061	0000	26	75 329	31 40.8'N	30 1.4'E	9	141.10	0010	431.	120.	0000	25	4212	0
CHN 119	2	0185	0000	20	75 410	31 36.9'N	30 16.6'E	3	141.10	0004	21.	257.	0000	24	2819	0
CHN 119	2	0087	0000	13	75 4 2	31 46.0'N	31 5.3'E	1	141.11	0004	35.	70.	0000	24	2465	0
CHN 119	2	0109	0000	13	75 4 3	31 43.8'N	31 4.3'E	1	141.11	0005	21.	97.	0000	24	2469	0
CHN 119	2	0156	0000	13	75 4 9	31 46.1'N	31 47.2'E	1	141.11	0009	48.	137.	0000	24	4265	0
CHN 119	2	0165	0000	13	75 4 9	31 45.3'N	31 34.8'E	1	141.11	0010	44.	20.	0000	24	3465	0
CHN 119	2	0145	0000	20	75 4 8	31 51.3'N	32 32.8'E	9	141.12	0001	306.	271.	0000	4	4465	0
CHN 119	2	0154	0000	13	75 4 9	31 45.5'N	32 1.1'E	1	141.12	0008	48.	132.	0000	24	4269	0
CHN 119	2	0183	0000	20	75 410	32 8.2'N	30 58.0'E	9	141.20	0003	508.	253.	0000	24	4332	0
CHN 61	4	0056	0000	15	66 923	32 59.8'N	31 5.9'E	6	141.21	0000	2140.	589.	0000	21	3549	41
CHN 61	4	0056	0000	26	66 923	32 59.8'N	31 5.9'E	6	141.21	0000	2140.	117.	0000	21	3342	41
CHN 119	2	0083	0000	15	75 4 1	30 34.9'N	31 16.3'E	9	141.21	0021	1529.	911.	0000	24	3818	0
CHN 119	2	0083	0000	26	75 4 1	30 34.9'N	31 16.3'E	9	141.21	0021	1529.	56.	0000	24	3338	0
CHN 119	2	0115	0000	15	75 4 4	32 46.0'N	31 53.3'E	9	141.21	0022	1581.	931.	0000	24	3442	0
CHN 119	2	0115	0000	26	75 4 4	32 46.0'N	31 53.3'E	9	141.21	0022	1581.	113.	0000	24	3432	0
CHN 119	2	0161	0000	20	75 4 9	32 3.7'N	31 57.6'E	1	141.21	0002	505.	255.	0000	24	4439	0
CHN 119	2	0139	0000	15	75 4 7	32 50.1'N	32 59.3'E	9	141.22	0032	1381.	880.	0000	7	3432	0
CHN 119	2	0139	0000	26	75 4 7	32 50.1'N	32 59.3'E	9	141.22	0032	1381.	93.	0000	7	3338	0
CHN 119	2	0141	0000	15	75 4 7	32 32.6'N	32 17.2'E	9	141.22	0033	1149.	904.	0000	24	3338	0
CHN 119	2	0141	0000	26	75 4 7	32 32.6'N	32 17.2'E	9	141.22	0033	1149.	84.	0000	24	3348	0
CHN 119	2	0137	0000	15	75 4 7	32 56.2'N	33 45.0'E	1	141.23	0031	1637.	637.	0000	7	3818	0
CHN 119	2	0137	0000	26	75 4 7	32 56.2'N	33 45.0'E	1	141.23	0031	1637.	97.	0000	7	3332	0
CHN 119	2	0143	0000	15	75 4 8	32 17.3'N	33 24.9'E	9	141.23	0034	1108.	842.	0000	7	4268	0
CHN 119	2	0143	0000	26	75 4 8	32 17.3'N	33 24.9'E	9	141.23	0034	1108.	51.	0000	7	3323	0
CHN 119	2	0074	0000	15	75 331	33 14.8'N	30 19.9'E	9	141.30	0016	2523.	1012.	0000	24	3428	0
CHN 119	2	0074	0000	26	75 331	33 14.8'N	30 19.9'E	9	141.30	0016	2523.	119.	0000	24	3333	0
CHN 119	2	0076	0000	15	75 331	33 42.8'N	30 40.9'E	9	141.30	0017	2595.	895.	0000	24	3416	0
CHN 119	2	0076	0000	26	75 331	33 42.8'N	30 40.9'E	9	141.30	0017	2595.	106.	0000	24	3939	0
CHN 119	2	0080	0000	15	75 4 1	33 48.8'N	31 14.5'E	9	141.31	0019	2501.	833.	0000	24	3438	0
CHN 119	2	0080	0000	26	75 4 1	33 48.8'N	31 14.5'E	9	141.31	0019	2501.	101.	0000	24	3938	0
CHN 119	2	0082	0000	15	75 4 1	33 13.9'N	31 30.0'E	9	141.31	0020	2042.	890.	0000	24	3238	0
CHN 119	2	0082	0000	26	75 4 1	33 13.9'N	31 30.0'E	9	141.31	0020	2042.	59.	0000	24	3338	0
CHN 119	2	0116	0000	15	75 4 4	33 30.5'N	31 52.6'E	9	141.31	0023	2142.	322.	0000	24	3348	0
CHN 119	2	0116	0000	26	75 4 4	33 30.5'N	31 52.6'E	9	141.31	0023	2142.	70.	0000	24	3338	0
CHN 119	2	0118	0000	15	75 4 4	33 51.6'N	31 52.4'E	9	141.31	0024	2636.	711.	0000	11	4838	0
CHN 119	2	0118	0000	26	75 4 4	33 51.6'N	31 52.4'E	9	141.31	0024	2636.	75.	0000	11	4833	0
CHN 61	4	0057	0000	15	66 924	33 11.1'N	32 29.5'E	6	141.32	0000	1928.	620.	0000	21	3969	41
CHN 61	4	0057	0000	26	66 924	33 11.1'N	32 29.5'E	6	141.32	0000	1928.	47.	0000	21	4339	41
CHN 61	4	0058	0000	15	66 925	33 30.4'N	32 46.2'E	6	141.32	0000	835.	553.	0000	21	3339	41
CHN 61	4	0058	0000	26	66 925	33 30.4'N	32 46.2'E	6	141.32	0000	835.	36.	0000	21	3930	41
CHN 119	2	0120	0000	15	75 4 4	33 56.2'N	32 44.7'E	9	141.32	0025	1827.	456.	0000	12	3338	0
CHN 119	2	0120	0000	26	75 4 4	33 56.2'N	32 44.7'E	9	141.32	0025	1827.	94.	0000	12	3933	0
CHN 119	2	0121	0000	15	75 4 5	33 44.3'N	32 46.5'E	9	141.32	0026	898.	506.	0000	12	3343	0
CHN 119	2	0121	0000	26	75 4 5	33 44.3'N	32 46.5'E	9	141.32	0026	898.	77.	0000	12	3322	0
CHN 119	2	0122	0000	13	75 4 5	33 45.7'N	32 48.0'E	9	141.32	0006	892.	46.	0000	12	3332	0
CHN 119	2	0127	0000	13	75 4 5	33 40.7'N	32 40.9'E	9	141.32	0007	882.	43.	0000	12	3332	0
CHN 61	4	0059	0000	15	66 926	33 52.1'N	33 17.2'E	6	141.33	0000	2328.	593.	0000	21	3426	41

MARSDEN SQUARE #141

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA
													DEPTH			TYPE	CODE
CHN	61	4	0059	0000	26	66 926	33 52.1'N	33 17.2'E	6	141.33	0000	2328.	135.	0000	21	3425	41
CHN	119	2	0129	0000	15	75 4 5	33 21.5'N	33 16.0'E	1	141.33	0027	1829.	698.	0000	7	3338	0
CHN	119	2	0129	0000	26	75 4 5	33 21.5'N	33 16.0'E	1	141.33	0027	1829.	75.	0000	7	3328	0
CHN	119	2	0131	0000	15	75 4 6	33 58.8'N	33 37.2'E	6	141.33	0028	2220.	700.	0000	10	4338	0
CHN	119	2	0131	0000	26	75 4 6	33 58.8'N	33 37.2'E	6	141.33	0028	2220.	142.	0000	10	4339	0
CHN	119	2	0135	0000	15	75 4 7	33 35.8'N	34 1.2'E	9	141.34	0030	2013.	652.	0000	10	3819	0
CHN	119	2	0135	0000	26	75 4 7	33 35.8'N	34 1.2'E	9	141.34	0030	2013.	111.	0000	10	3819	0
CHN	119	2	0078	0000	15	75 4 1	34 20.8'N	30 55.8'E	9	141.40	0018	2484.	858.	0000	13	3438	0
CHN	119	2	0078	0000	26	75 4 1	34 20.8'N	30 55.8'E	9	141.40	0018	2484.	90.	0000	13	3938	0
CHN	61	4	0055	0000	15	66 922	34 49.2'N	31 4.4'E	6	141.41	0000	2468.	510.	0000	21	3936	41
CHN	61	4	0055	0000	26	66 922	34 49.2'N	31 4.4'E	6	141.41	0000	2468.	119.	0000	21	3426	41
CHN	61	4	0067	0000	15	6610 3	34 10.0'N	33 36.0'E	6	141.43	0000	2188.	600.	0000	21	4332	41
CHN	61	4	0067	0000	26	6610 3	34 10.0'N	33 36.0'E	6	141.43	0000	2188.	119.	0000	21	4332	41
CHN	61	4	0066	0000	15	6610 2	34 20.5'N	34 41.0'E	6	141.44	0000	2010.	594.	0000	21	3329	41
CHN	61	4	0068	0000	15	6610 4	34 52.7'N	34 52.8'E	6	141.44	0000	1618.	819.	0000	21	3450	41
CHN	61	4	0068	0000	26	6610 4	34 52.7'N	34 52.8'E	6	141.44	0000	1618.	104.	0000	21	3932	41
CHN	61	4	0066	0000	26	6610 2	34 20.5'N	34 41.0'E	6	141.44	0000	2010.	40.	0000	21	3379	41
CHN	119	2	0133	0000	15	75 4 6	34 9.1'N	34 23.0'E	9	141.44	0029	2073.	1294.	0000	10	3738	0
CHN	119	2	0133	0000	26	75 4 6	34 9.1'N	34 23.0'E	9	141.44	0029	2073.	141.	0000	10	3731	0
CHN	61	4	0054	0000	15	66 921	35 20.1'N	30 7.0'E	6	141.50	0000	2013.	187.	0000	21	3349	41
CHN	61	4	0054	0000	26	66 921	35 20.1'N	30 7.0'E	6	141.50	0000	2013.	54.	0000	21	3349	41
CHN	61	4	0063	0000	15	66 928	35 42.0'N	32 58.8'E	6	141.52	0000	1250.	610.	0000	21	3379	41
CHN	61	4	0063	0000	26	66 928	35 42.0'N	32 58.8'E	6	141.52	0000	1250.	110.	0000	21	3329	41
CHN	61	4	0064	0000	15	66 930	35 56.0'N	34 15.0'E	6	141.54	0000	959.	495.	0000	21	3861	41
CHN	61	4	0064	0000	26	66 930	35 56.0'N	34 15.0'E	6	141.54	0000	959.	50.	0000	21	3349	41
CHN	61	4	0065	0000	15	6610 1	35 33.2'N	35 26.8'E	6	141.55	0000	1398.	645.	0000	21	3931	41
CHN	61	4	0065	0000	26	6610 1	35 33.2'N	35 26.8'E	6	141.55	0000	1398.	34.	0000	21	4429	41
CHN	61	4	0062	0000	15	66 928	36 1.5'N	31 46.5'E	6	141.61	0000	2506.	297.	0000	21	3329	41
CHN	61	4	0062	0000	26	66 928	36 1.5'N	31 46.5'E	6	141.61	0000	2506.	45.	0000	21	3339	41

MARSDEN SQUARE #142

CHN	61	3	0042	0000	15	66 9 3	34 14.5'N	25 1.0'E	6	142.10	0000	3546.	558.	0000	21	3866	41
CHN	119	2	0027	0000	15	75 327	31 49.8'N	27 43.9'E	1	142.17	0008	2738.	469.	0000	10	3349	0
CHN	119	2	0027	0000	26	75 327	31 49.8'N	27 43.9'E	1	142.17	0008	2738.	82.	0000	10	3326	0
CHN	119	2	0011	0000	15	75 323	31 39.2'N	28 49.2'E	9	142.18	0002	1827.	821.	0000	4	3869	0
CHN	119	2	0028	0000	15	75 327	31 19.0'N	28 11.0'E	1	142.18	0009	891.	711.	0000	4	3349	0
CHN	119	2	0028	0000	26	75 327	31 19.0'N	28 11.0'E	1	142.18	0009	891.	59.	0000	4	3339	0
CHN	119	2	0010	0000	15	75 323	31 11.1'N	29 16.7'E	9	142.19	0001	552.	674.	0000	2	4339	0
CHN	119	2	0062	0000	15	75 329	31 52.9'N	29 38.1'E	9	142.19	0011	1366.	925.	0000	24	4816	0
CHN	119	2	0062	0000	26	75 329	31 52.9'N	29 38.1'E	9	142.19	0011	1366.	84.	0000	24	3428	0
CHN	119	2	0187	0000	20	75 411	31 16.0'N	29 44.9'E	3	142.19	0005	60.	108.	0000	24	3355	0
CHN	119	2	0187	0000	13	75 411	31 16.0'N	29 44.9'E	3	142.19	0012	60.	95.	0000	24	3355	0
CHN	61	3	0043	0000	15	66 9 5	32 33.2'N	25 15.2'E	6	142.25	0000	2888.	290.	0000	21	3349	41
CHN	119	2	0025	0000	15	75 326	32 20.3'N	26 56.7'E	1	142.26	0007	3196.	723.	0000	10	3139	0
CHN	119	2	0015	0000	15	75 324	32 47.1'N	27 48.4'E	1	142.27	0004	3130.	532.	0000	10	3739	0
CHN	119	2	0015	0000	26	75 324	32 47.1'N	27 48.4'E	1	142.27	0004	3130.	105.	0000	10	3938	0
CHN	119	2	0013	0000	15	75 324	32 7.8'N	28 24.7'E	9	142.28	0003	2778.	573.	0000	6	3839	0
CHN	119	2	0013	0000	26	75 324	32 7.8'N	28 24.7'E	9	142.28	0003	2778.	141.	0000	6	3338	0

MARSDEN SQUARE #142

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE-VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS-DEN SQUARE	CORE DREDGE NUMBER	CORE DEPTH	DREDGE OR END DEPTH	DREDGE SAMPLE WEIGHT	PHYSIO-GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 119		2	0068	0000	15	75 330	32 49.0°N	28 43.7°E	1	142.28	0013	2889.	535.	0000	10	8439	0
CHN 119		2	0068	0000	26	75 330	32 49.0°N	28 43.7°E	1	142.28	0013	2889.	88.	0000	10	3266	0
CHN 119		2	0064	0000	15	75 329	32 22.8°N	29 13.5°E	1	142.29	0012	2289.	414.	0000	24	3231	0
CHN 119		2	0064	0000	26	75 329	32 22.8°N	29 13.5°E	1	142.29	0012	2289.	40.	0000	24	3339	0
CHN 61		3	0040	0000	15	56 831	33 17.2°N	23 9.7°E	6	142.33	0000	2472.	613.	0000	21	3818	41
CHN 119		2	0022	0000	15	75 325	33 15.8°N	26 0.9°E	9	142.36	0006	2372.	697.	0000	13	3938	0
CHN 119		2	0022	0000	26	75 325	33 15.8°N	26 0.9°E	9	142.36	0006	2372.	124.	0000	13	3932	0
CHN 61		3	0045	0000	15	66 9 7	33 14.7°N	27 51.9°E	6	142.37	0000	3038.	435.	0000	21	4495	41
CHN 119		2	0017	0000	15	75 325	33 10.7°N	27 5.2°E	9	142.37	0005	2698.	82.	0000	13	3349	0
CHN 119		2	0017	0000	26	75 325	33 10.7°N	27 5.2°E	9	142.37	0005	2698.	82.	0000	13	3329	0
CHN 119		2	0070	0000	15	75 330	33 14.6°N	28 15.4°E	9	142.38	0014	3106.	538.	0000	10	4728	0
CHN 119		2	0070	0000	26	75 330	33 14.6°N	28 15.4°E	9	142.38	0014	3106.	127.	0000	10	4826	0
CHN 119		2	0072	0000	15	75 330	33 19.4°N	29 40.4°E	9	142.39	0015	2828.	988.	0000	24	4818	0
CHN 119		2	0072	0000	26	75 330	33 19.4°N	29 40.4°E	9	142.39	0015	2828.	137.	0000	24	4333	0
CHN 61		3	0039	0000	15	66 830	34 20.2°N	22 29.7°E	6	142.42	0000	2586.	267.	0000	21	3329	41
CHN 61		3	0041	0000	15	66 9 7	34 42.2°N	24 34.1°E	6	142.44	0000	2073.	742.	0000	21	3279	41
CHN 61		4	0053	0000	15	66 919	34 9.0°N	28 51.8°E	6	142.48	0000	2518.	648.	0000	21	3036	41
CHN 61		4	0053	0000	26	66 919	34 9.0°N	28 51.8°E	6	142.48	0000	2518.	101.	0000	21	3969	41
CHN 61		3	0037	0000	15	66 828	35 47.1°N	25 15.0°E	1	142.55	0000	1864.	1024.	0000	21	4969	41
CHN 61		3	0050	0000	15	66 912	35 30.9°N	28 11.8°E	6	142.58	0000	2483.	416.	0000	21	3969	41
CHN 61		4	0052	0000	15	66 918	35 5.9°N	28 36.5°E	6	142.58	0000	2848.	618.	0000	21	3359	41
CHN 7		3	0002	0000	13	59 531	36 37.0°N	21 10.0°E	4	142.61	0002	4976.	151.	0000	21	3350	0
CHN 7		3	0003	0000	13	59 6 1	36 13.5°N	23 23.0°E	4	142.63	0003	1249.	157.	0000	21	3330	0
CHN 7		3	0004	0000	13	59 6 5	36 13.8°N	23 20.0°E	4	142.63	0004	1249.	121.	0000	21	3350	0
CHN 7		4	0005	0000	13	59 6 5	36 12.5°N	23 22.0°E	3	142.63	0005	1180.	71.	0000	21	3350	0
CHN 61		3	0035	0000	15	66 827	36 25.8°N	23 21.9°E	3	142.63	0006	1194.	135.	0000	21	3330	0
CHN 61		4	0051	0000	15	66 917	36 25.9°N	25 23.3°E	6	142.65	0000	379.	300.	0000	21	9864	41
CHN 61		4	0051	0000	26	66 917	36 25.9°N	28 47.0°E	6	142.68	0000	2513.	631.	0000	21	3429	41
CHN 61		4	0051	0000	26	66 917	36 25.9°N	28 47.0°E	6	142.68	0000	2513.	83.	0000	21	3969	41

MARSDEN SQUARE #143

ATI 49		3	8003	0000	15	69 521	33 20.0°N	19 25.0°E	5	143.39	03-2	2788.	239.	0439	0	3339	0
CHN 61		2	0031	0000	15	66 817	33 30.5°N	19 49.8°E	6	143.39	0000	1108.	238.	0000	21	3322	41
ATI 49		3	A003	0000	15	69 521	34 5.5°N	26 49.0°E	5	143.46	03-1	2637.	400.	0000	5	3329	0
ATI 49		3	A003	0000	26	69 521	34 5.5°N	26 49.0°E	5	143.46	03-1	2637.	100.	0000	5	3329	0
CHN 61		2	0025	0000	15	66 812	35 12.3°N	16 31.1°E	1	143.56	0000	1460.	732.	0000	21	3346	41
CHN 61		2	0029	0000	15	66 816	35 55.3°N	19 36.0°E	6	143.59	0000	3955.	910.	0000	21	3359	41
CHN 61		2	0019	0000	15	66 8 8	36 46.5°N	13 5.8°E	6	143.63	0000	833.	972.	0000	21	3931	41
CHN 61		2	0019	0000	26	66 8 8	36 46.6°N	13 5.8°E	6	143.63	0000	833.	104.	0000	21	3359	41
CHN 7		3	0001	0000	13	59 531	36 55.0°N	19 50.2°E	4	143.69	0001	3677.	144.	0000	21	3730	0
CHN 43		1	0085	0000	13	64 627	38 47.3°N	15 3.0°E	5	143.85	0077	0.	81.	0000	21	4969	41
SHK 381		1	0003	0000	15	82 1 6	39 24.3°N	12 56.7°E	9	143.92	0003	3566.	794.	0000	10	0000	0
SHK 381		1	0003	0000	26	82 1 6	39 24.3°N	12 56.7°E	9	143.92	0003	3566.	142.	0000	10	0000	0

MARSDEN SQUARE #144

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	POCK- OR SED. TYPE	VITA CODE
CHN 21	1	0018	0000	13	61 929	39 31.0°N	5 26.0°E	3	144.95	0018	2777.	154.	0000	21	4850	0
CHN 7	3	0008	0000	14	59 627	39 30.0°N	6 0.0°E	4	144.96	0008	2848.	2848.	2006	0	0000	0

MARSDEN SQUARE #146

AII 32	3	0001	0000	15	67 630	45 2.5°N	16 2.5°W	0	146.56	0001	4854.	703.	0057	15	0000	0
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MARSDEN SQUARE #147

CHN 82	7	0030	0000	15	68 816	40 51.1°N	26 25.0°W	8	147.06	0009	2830.	664.	0000	15	3932	40
CHN 82	7	0030	0000	26	68 816	40 51.1°N	26 27.0°W	8	147.06	0009	2830.	64.	0000	15	3932	40
CHN 82	7	0030	0000	15	68 817	40 48.2°N	26 27.0°W	8	147.06	0010	2835.	321.	0000	15	3329	54
CHN 82	7	0044	0000	15	68 831	40 57.7°N	27 11.5°W	8	147.07	0017	2535.	395.	0000	16	3338	54
CHN 82	7	0044	0000	26	68 831	40 57.7°N	27 11.5°W	8	147.07	0017	2535.	111.	0000	16	3334	54
CHN 82	6	0023	0000	15	68 8 5	41 38.0°N	27 20.0°W	8	147.17	0003	2525.	481.	0000	15	3938	54
CHN 82	6	0023	0000	26	68 8 5	41 38.0°N	27 20.0°W	8	147.17	0003	2525.	62.	0000	15	3329	54
CHN 82	8	0045	0000	15	68 831	41 35.9°N	27 27.0°W	8	147.17	0018	2533.	680.	0000	16	3738	47
AII 32	3	0006	0000	15	67 7 7	42 56.5°N	27 48.0°W	0	147.27	0006	3063.	825.	0000	15	0000	0
AII 32	3	0008	0000	15	67 7 8	42 59.5°N	27 47.5°W	0	147.27	0008	2452.	1430.	0000	15	0000	0
CHN 43	1	0109	0000	13	64 811	42 37.1°N	28 44.8°W	10	147.28	0032	2538.	30.	0000	16	3359	41
CHN 43	1	0115	0000	15	64 812	42 37.4°N	28 46.4°W	10	147.28	0033	2568.	278.	0000	16	3969	41
CHN 82	6	0025	0000	15	68 8 7	42 21.7°N	28 37.8°W	8	147.28	0005	2595.	552.	0000	15	3324	54
CHN 82	6	0025	0000	26	68 8 7	42 21.7°N	28 37.8°W	8	147.28	0005	2595.	20.	0000	15	3359	54
CHN 82	6	0027	0000	15	68 8 9	42 6.0°N	28 16.0°W	8	147.28	0007	2538.	458.	0000	15	3328	54
CHN 82	6	0027	0000	26	68 8 9	42 6.0°N	28 16.0°W	8	147.28	0007	2538.	75.	0000	15	3322	54
CHN 82	7	0033	0000	15	68 822	42 28.5°N	28 40.0°W	8	147.28	0013	2378.	526.	0000	15	3334	54
CHN 82	7	0033	0000	26	68 822	42 28.5°N	28 40.0°W	8	147.28	0013	2378.	77.	0000	15	3338	54
CHN 82	6	0028	0000	15	68 810	42 0.0°N	29 54.0°W	8	147.29	0008	2434.	680.	0000	15	3322	54
CHN 82	6	0028	0000	26	68 810	42 0.0°N	29 54.0°W	8	147.29	0008	2434.	65.	0000	15	3329	54
CHN 82	7	0036	0000	26	68 823	42 33.3°N	29 18.5°W	8	147.29	0014	3397.	36.	0000	16	3359	54
AII 32	3	0003	0000	15	67 7 2	43 42.5°N	23 3.0°W	0	147.33	0003	2593.	280.	0000	15	0000	0
AII 32	3	0004	0000	15	67 7 3	43 24.1°N	24 30.0°W	0	147.34	0004	3403.	607.	0000	15	0000	0
CHN 82	7	0032	0000	15	68 820	43 45.0°N	27 46.5°W	8	147.37	0012	2535.	248.	0000	15	3338	54
CHN 82	7	0032	0000	26	68 820	43 45.0°N	27 46.5°W	8	147.37	0012	2535.	79.	0000	15	3339	54
CHN 82	8	0054	0000	15	68 9 6	43 50.0°N	27 57.5°W	8	147.37	0022	2575.	688.	0000	15	3038	54
AII 32	3	0009	0000	15	67 7 9	43 7.0°N	28 21.5°W	0	147.38	0009	2598.	627.	0000	15	0000	0
AII 32	3	0010	0000	15	67 710	43 8.5°N	28 19.5°W	0	147.38	0010	2595.	869.	0000	15	0000	0
CHN 82	7	0041	0000	15	68 826	43 22.3°N	28 13.9°W	8	147.38	0015	2151.	393.	0000	16	3028	54
CHN 82	7	0041	0000	26	68 826	43 22.3°N	28 13.9°W	8	147.38	0015	2151.	122.	0000	16	3324	54
CHN 82	7	0042	0000	15	68 826	43 19.8°N	28 5.9°W	8	147.38	0016	2958.	533.	0000	16	3738	54
AII 32	3	0011	0000	13	67 712	43 12.5°N	29 2.0°W	0	147.39	0011	3315.	113.	0000	15	0000	0
AII 32	3	0012	0000	13	67 712	43 0.5°N	29 15.5°W	0	147.39	0012	2730.	56.	0000	15	0000	0
AII 32	3	0013	0000	13	67 713	43 15.5°N	29 24.5°W	0	147.39	0013	2979.	73.	0000	15	0000	0
CHN 82	8	0049	0000	15	68 9 3	43 29.3°N	29 37.5°W	8	147.39	0000	2630.	387.	0000	16	3322	54
CHN 82	8	0049	0000	26	68 9 3	43 29.3°N	29 37.5°W	8	147.39	0000	2630.	45.	0000	16	3369	54
CHN 82	8	0050	0000	15	68 9 4	43 29.9°N	29 52.0°W	8	147.39	0020	3020.	572.	0000	15	3838	47
CHN 82	8	0050	0000	26	68 9 4	43 29.9°N	29 52.0°W	8	147.39	0020	3020.	65.	0000	15	3029	47
CHN 82	8	0051	0000	15	68 9 4	43 17.3°N	29 49.8°W	8	147.39	0021	2103.	306.	0000	15	3738	54

MARSDEN SQUARE #147

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE-VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS-DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO-GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 82	8	0051	0000	26	68 9 4	43 17.3°N	29 49.8°W	8	147.39	0021	2103.	84.	0000	15	3738	54
AII 32	3	0002	0000	15	67 7 2	44 12.0°N	20 11.5°W	0	147.40	0002	4161.	638.	0085	15	0000	0
AII 32	3	0015	0000	15	67 7 15	44 18.5°N	31 27.0°W	0	147.41	0015	3094.	473.	0000	15	0000	0
AII 32	3	0005	0000	15	67 7 3	43 9.0°N	26 39.0°W	0	147.46	0005	3108.	447.	0019	15	0000	0
CHN 43	1	0106	0000	15	64 8 9	44 36.0°N	28 10.0°W	1	147.48	0030	3226.	270.	0000	16	3969	41
CHN 43	1	0102	0000	15	64 8 7	45 30.0°N	27 50.0°W	1	147.57	0028	3012.	252.	0000	16	3964	41

MARSDEN SQUARE #148

CHN 82	6	0024	0000	15	68 8 6	41 42.5°N	32 51.0°W	8	148.12	0004	3427.	669.	0000	15	3329	54
CHN 82	6	0024	0000	26	68 8 6	41 42.5°N	32 51.0°W	8	148.12	0004	3427.	77.	0000	15	3322	54
CHN 82	6	0026	0000	15	68 8 8	42 10.0°N	31 38.0°W	8	148.21	0006	3132.	394.	0000	15	3328	54
CHN 82	6	0026	0000	26	68 8 8	42 10.0°N	31 38.0°W	8	148.21	0006	3132.	86.	0000	15	3325	54
CHN 82	7	0031	0000	15	68 8 19	42 23.0°N	31 47.5°W	8	148.21	0011	3209.	541.	0000	15	3338	54
CHN 82	7	0031	0000	26	68 8 19	42 23.0°N	31 47.5°W	8	148.21	0011	3209.	86.	0000	15	3868	54
CHN 82	8	0057	0000	15	68 9 7	43 27.9°N	30 39.6°W	8	148.30	0024	2925.	423.	0000	15	3328	54
CHN 82	8	0058	0000	15	68 9 7	43 29.5°N	30 13.0°W	8	148.30	0025	3071.	548.	0000	15	3738	54
CHN 82	8	0059	0000	15	68 9 8	43 20.1°N	30 0.0°W	8	148.30	0026	2760.	495.	0000	15	0329	54
CHN 82	8	0056	0000	15	68 9 7	43 35.1°N	31 37.5°W	8	148.31	0023	3406.	621.	0000	15	3338	54
AII 32	3	0016	0000	15	67 7 15	44 52.7°N	33 1.5°W	0	148.43	0016	4010.	551.	0076	15	0000	0
AII 32	3	0020	0000	15	67 7 17	44 28.5°N	39 5.5°W	0	148.49	0020	4142.	715.	0088	15	0000	0
AII 32	3	0017	0000	15	57 7 16	45 31.0°N	34 6.5°W	0	148.54	0017	3975.	609.	0085	15	0000	0
AII 32	3	0019	0000	15	57 7 17	45 18.0°N	37 18.0°W	0	148.57	0019	4348.	818.	0000	15	0000	0
AII 32	3	0018	0000	15	67 7 16	46 10.0°N	35 29.0°W	0	148.65	0018	4307.	892.	0020	15	0000	0
CHN 13	1	0003	0000	15	50 7 18	47 25.0°N	37 33.0°W	4	148.77	0003	2716.	847.	0000	11	3864	0

MARSDEN SQUARE #149

AII 32	3	0022	0000	15	67 7 18	44 43.0°N	44 8.0°W	0	149.44	0022	4738.	586.	0119	15	0000	0
AII 32	3	0023	0000	15	67 7 19	45 4.0°N	46 16.0°W	0	149.56	0023	3508.	631.	0000	15	0000	0

MARSDEN SQUARE #151

KNR 74	1	0021	0000	14	79 9 18	40 3.4°N	60 50.2°W	6	151.00	0021	5022.	32.	0000	6	3869	0
KNR 74	1	0018	0000	14	79 9 17	40 50.9°N	61 37.4°W	6	151.01	0018	4680.	54.	0000	6	3869	0
KNR 74	1	0019	0000	14	79 9 17	40 31.3°N	61 16.0°W	6	151.01	0019	4869.	45.	0000	6	3569	0
KNR 74	1	0011	0000	14	79 9 14	40 4.7°N	62 25.7°W	6	151.02	0011	4946.	41.	0000	6	3769	0
KNR 74	1	0016	0000	14	79 9 16	40 46.5°N	62 42.6°W	6	151.02	0016	4533.	47.	0000	6	3569	0
KNR 74	1	0017	0000	14	79 9 17	40 48.7°N	62 6.8°W	6	151.02	0017	4842.	69.	0000	6	3559	0
KNR 74	1	0035	0000	14	79 9 25	40 33.7°N	62 40.4°W	6	151.02	0035	4654.	72.	0000	6	3869	0
KNR 74	1	0036	0000	14	79 9 26	40 36.2°N	62 23.3°W	6	151.02	0036	4651.	81.	0000	6	3869	0
KNR 74	1	0038	0000	14	79 10 26	40 4.7°N	62 24.3°W	6	151.02	0038	4960.	72.	0000	6	3869	0
KNR 96	1	0001	0000	19	82 7 9	40 26.6°N	62 21.5°W	5	151.02	0001	4814.	20.	0000	10	3359	0
KNR 96	1	0002	0000	19	82 7 9	40 26.4°N	62 21.0°W	5	151.02	0002	4817.	16.	0000	10	4459	0
KNR 96	1	0003	0000	19	82 7 10	40 27.5°N	62 19.4°W	6	151.02	0003	4827.	15.	0000	10	3459	0
KNR 96	1	0004	0000	19	82 7 10	40 27.4°N	62 19.7°W	6	151.02	0004	4824.	18.	0000	10	3439	0
KNR 96	1	0006	0000	19	82 7 11	40 27.3°N	62 19.5°W	6	151.02	0006	4827.	12.	0000	10	3439	0

MARSDEN SQUARE #151

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDD	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA
													DEPTH			TYPE	CODE
KNR	96	1	0007	0000	19	82 711	40 26.0'N	62 20.8'W	6	151.02	0007	4825.	19.	0000	10	3339	0
KNR	96	1	0008	0000	19	82 712	40 26.4'N	62 20.5'W	6	151.02	0008	4817.	35.	0000	10	3429	0
KNR	96	1	0009	0000	19	82 713	40 26.6'N	62 20.5'W	6	151.02	0009	4817.	17.	0000	10	3339	0
KNR	96	1	0010	0000	19	82 713	40 27.0'N	62 20.3'W	6	151.02	0010	4819.	20.	0000	10	3359	0
KNR	96	1	0011	0000	19	82 714	40 27.6'N	62 20.1'W	6	151.02	0011	4823.	25.	0000	10	3439	0
KNR	96	1	0012	0000	19	82 715	40 26.7'N	62 19.6'W	6	151.02	0012	4828.	18.	0000	10	3459	0
KNR	96	1	0014	0000	19	82 716	40 25.8'N	62 20.5'W	6	151.02	0014	4824.	23.	0000	10	3439	0
KNR	96	1	0016	0000	19	82 717	40 26.7'N	62 20.9'W	6	151.02	0016	4824.	13.	0000	10	3429	0
KNR	96	1	0018	0000	19	82 718	40 27.0'N	62 20.2'W	6	151.02	0018	4820.	20.	0000	10	3359	0
KNR	96	1	0022	0000	19	82 719	40 26.2'N	62 20.1'W	6	151.02	0022	4820.	19.	0000	10	3359	0
KNR	96	1	0025	0000	19	82 721	40 26.1'N	62 21.0'W	6	151.02	0025	4622.	39.	0000	10	3339	0
KNR	96	1	0027	0000	19	82 723	40 27.1'N	62 20.4'W	6	151.02	0027	4818.	25.	0000	10	3339	0
KNR	96	1	0034	0000	19	82 726	40 26.2'N	62 20.3'W	6	151.02	0034	4819.	43.	0000	10	3329	0
ATI	94	1	0001	0000	19	77 616	40 35.1'N	63 4.4'W	6	151.03	0001	4539.	31.	0000	6	4439	0
KNR	74	1	0013	0000	14	79 915	40 15.6'N	63 2.8'W	6	151.03	0013	4776.	29.	0000	6	3869	0
KNR	74	1	0047	0000	14	7910 1	40 1.2'N	63 33.6'W	6	151.03	0047	4821.	63.	8696	0	0006	0
KNR	78	1	0001	0000	14	80 427	40 20.6'N	63 4.6'W	6	151.03	0001	4689.	4.	0000	11	0000	0
KNR	78	1	0002	0000	14	80 427	40 25.2'N	63 8.4'W	6	151.03	0002	4611.	4862.	0047	0	0011	0
KNR	78	1	0003	0000	14	80 428	40 31.3'N	63 12.5'W	6	151.03	0003	4537.	56.	0000	11	3861	0
KNR	78	1	0004	0000	14	80 428	40 34.3'N	63 5.0'W	6	151.03	0004	4535.	56.	0000	11	4832	0
KNR	78	1	0005	0000	14	80 428	40 39.1'N	63 8.9'W	6	151.03	0005	4474.	15.	0000	11	4569	0
KNR	78	1	0006	0000	14	80 428	40 35.6'N	63 9.9'W	6	151.03	0006	4499.	74.	0000	11	4862	0
KNR	78	1	0007	0000	14	80 429	40 19.8'N	63 4.3'W	6	151.03	0007	4695.	51.	0000	11	4832	0
KNR	78	1	0010	0000	14	80 429	40 24.7'N	63 3.7'W	6	151.03	0010	4636.	57.	0000	11	4862	0
KNR	78	1	0012	0000	14	80 430	40 18.1'N	63 10.8'W	6	151.03	0012	4668.	75.	0000	11	4819	0
KNR	74	1	0005	0000	14	79 911	40 31.7'N	64 6.8'W	5	151.04	0005	4526.	49.	0000	6	3839	0
KNR	74	1	0034	0000	14	79 924	40 28.5'N	65 30.1'W	6	151.05	0034	1705.	65.	0000	6	3869	0
KNR	27	1	0001	0000	16	72 6 8	42 24.9'N	67 31.0'W	5	151.27	0001	80.	1965.	0000	2	2248	44
ATI	33	1	0001	0000	15	67 728	43 1.0'N	70 26.0'W	5	151.30	0001	105.	468.	0000	23	4839	54

MARSDEN SQUARE #152

ATI	72	1	0001	0000	15	721021	40 7.7'N	70 34.4'W	5	152.00	0001	117.	468.	0000	2	8855	0
ATI	72	1	0001	0000	26	721021	40 7.7'N	70 34.4'W	5	152.00	0001	117.	37.	0000	2	2255	0
ATI	72	1	0010	0000	15	721022	40 4.4'N	70 59.5'W	5	152.00	0009	214.	364.	0000	4	8855	0
ATI	72	1	0012	0000	15	721023	40 1.3'N	70 44.4'W	9	152.00	0010	225.	375.	0000	4	2838	0
ALB	18	4	0011	3060	13	681211	40 3.3'N	70 50.5'W	5	152.00	0011	161.	35.	0000	2	0000	0
ALB	18	4	0012	3061	13	681211	40 7.5'N	70 54.0'W	5	152.00	0012	137.	45.	0000	2	0000	0
ALB	18	4	0013	3062	13	681211	40 11.0'N	70 55.8'W	5	152.00	0013	128.	50.	0000	2	0000	0
ALB	18	4	0014	3063	13	681211	40 14.8'N	70 57.0'W	5	152.00	0014	113.	70.	0000	2	0000	0
ALB	18	4	0015	3064	13	681211	40 18.5'N	70 59.3'W	5	152.00	0015	97.	99.	0000	2	0000	0
ALB	18	4	0021	3070	13	681212	40 42.0'N	71 14.7'W	5	152.00	0021	58.	49.	0000	2	0000	0
ALB	18	4	0027	3071	13	681212	40 42.0'N	70 58.0'W	5	152.00	0022	58.	127.	0000	2	0000	0
ALB	18	4	0023	3072	13	681212	40 37.0'N	70 55.0'W	5	152.00	0023	64.	160.	0000	2	0000	0
ALB	18	4	0024	3073	13	681212	40 34.0'N	70 53.0'W	5	152.00	0024	66.	128.	0000	2	0000	0
ALB	18	4	0025	3074	13	681212	40 30.8'N	70 50.5'W	5	152.00	0025	68.	140.	0000	2	0000	0
ALB	18	4	0026	3075	13	681212	40 28.0'N	70 48.5'W	5	152.00	0026	71.	164.	0000	2	0000	0
ALB	18	4	0027	3076	13	681212	40 25.3'N	70 47.0'W	5	152.00	0027	79.	142.	0000	2	0000	0
ALB	18	4	0028	3077	13	681212	40 23.5'N	70 45.8'W	5	152.00	0028	88.	170.	0000	2	0000	0

MARSDEN SQUARE #152

CRUISE SHIP	EC	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
ALB 18	4	0029	3078	13	681212	40 20.5°N	70 43.5°W	5	152.00	0029	97.	162.	0000	2	0000	0
ALB 18	4	0030	3079	13	681212	40 18.5°N	70 42.2°W	5	152.00	0030	108.	162.	0000	2	0000	0
ALB 18	4	0031	3080	13	681212	40 14.0°N	70 39.5°W	5	152.00	0031	117.	145.	0000	2	0000	0
ALB 18	4	0032	3081	13	681212	40 10.5°N	70 37.0°W	5	152.00	0032	117.	81.	0000	2	0000	0
ALB 18	4	0033	3082	13	681212	40 8.0°N	70 34.0°W	5	152.00	0033	117.	52.	0000	2	0000	0
ALB 18	4	0034	3083	13	681212	40 4.8°N	70 33.5°W	5	152.00	0034	128.	23.	0000	2	0000	0
ALB 18	4	0035	3085	13	681212	40 9.7°N	70 15.5°W	5	152.00	0035	113.	52.	0000	2	0000	0
ALB 18	4	0036	3086	13	681212	40 15.0°N	70 17.5°W	5	152.00	0036	93.	99.	0000	2	0000	0
ALB 18	4	0037	3087	13	681212	40 19.5°N	70 20.0°W	5	152.00	0037	84.	135.	0000	2	0000	0
ALB 18	4	0038	3088	13	681212	40 24.0°N	70 25.0°W	5	152.00	0038	69.	135.	0000	2	0000	0
ALB 18	4	0039	3089	13	681212	40 27.5°N	70 35.0°W	5	152.00	0039	75.	143.	0000	2	0000	0
ALB 18	4	0040	3090	13	681212	40 26.5°N	70 41.0°W	5	152.00	0040	77.	142.	0000	2	0000	0
ALB 18	4	0041	3091	13	681213	40 25.6°N	70 51.5°W	5	152.00	0041	82.	172.	0000	2	0000	0
ALB 18	4	0042	3092	13	681213	40 25.0°N	70 56.5°W	5	152.00	0042	82.	150.	0000	2	0000	0
ALB 18	4	0001	3050	13	681211	40 21.5°N	71 20.5°W	5	152.01	0001	79.	74.	0000	2	0000	0
ALB 18	4	0002	3051	13	681211	40 18.0°N	71 19.5°W	5	152.01	0002	84.	70.	0000	2	0000	0
ALB 18	4	0003	3052	13	681211	40 14.5°N	71 17.5°W	5	152.01	0003	88.	59.	0000	2	0000	0
ALB 18	4	0004	3053	13	681211	40 11.0°N	71 15.0°W	5	152.01	0004	101.	33.	0000	2	0000	0
ALB 18	4	0005	3054	13	681211	40 7.3°N	71 13.0°W	5	152.01	0005	146.	97.	0000	2	0000	0
ALB 18	4	0006	3055	13	681211	40 1.0°N	71 9.0°W	5	152.01	0006	77.	41.	0000	2	0000	0
ALB 18	4	0016	3065	13	681211	40 23.0°N	71 1.0°W	5	152.01	0016	84.	110.	0000	2	0000	0
ALB 18	4	0017	3066	13	681211	40 27.0°N	71 3.0°W	5	152.01	0017	77.	193.	0000	2	0000	0
ALB 18	4	0018	3067	13	681211	40 31.0°N	71 4.5°W	5	152.01	0018	73.	140.	0000	2	0000	0
ALB 18	4	0019	3068	13	681211	40 34.0°N	71 7.8°W	5	152.01	0019	66.	119.	0000	2	0000	0
ALB 18	4	0020	3069	13	681212	40 39.0°N	71 11.8°W	5	152.01	0020	66.	61.	0000	2	0000	0
ALB 18	4	0043	3093	13	681213	40 23.8°N	71 5.6°W	5	152.01	0043	82.	112.	0000	2	0000	0
ALB 18	4	0044	3094	13	681213	40 22.9°N	71 11.0°W	5	152.01	0044	79.	75.	0000	2	0000	0
ALB 18	4	0045	3095	13	681213	40 21.0°N	71 24.3°W	5	152.01	0045	75.	10.	0000	2	0000	0
ALB 18	4	0046	3096	13	681213	40 20.5°N	71 30.3°W	5	152.01	0046	75.	100.	0000	2	0000	0
ALB 18	4	0047	3097	13	681213	40 16.7°N	71 32.8°W	5	152.01	0047	80.	71.	0000	2	0000	0
ALB 18	4	0048	3098	13	681213	40 12.5°N	71 34.8°W	5	152.01	0048	82.	72.	0000	2	0000	0
ALB 18	4	0056	3106	13	681213	40 24.2°N	71 40.5°W	5	152.01	0056	75.	83.	0000	2	0000	0
ALB 18	4	0058	3108	13	681213	40 33.2°N	71 36.3°W	5	152.01	0058	88.	5.	0000	2	0000	0
ALB 18	4	0059	3109	13	681213	40 27.0°N	71 25.0°W	5	152.01	0059	68.	10.	0000	2	0000	0
ALB 18	4	0060	3110	13	681213	40 19.0°N	71 15.0°W	5	152.01	0060	86.	10.	0000	2	0000	0
ALB 18	4	0061	3111	13	681213	40 23.5°N	71 17.0°W	5	152.01	0061	79.	10.	0000	2	0000	0
ALB 18	4	0062	3112	13	681213	40 26.7°N	71 18.4°W	5	152.01	0062	73.	10.	0000	2	0000	0
ALB 18	4	0063	3113	13	681213	40 29.3°N	71 19.8°W	5	152.01	0063	68.	10.	0000	2	0000	0
ALB 18	4	0064	3114	13	681213	40 32.2°N	71 20.3°W	5	152.01	0064	82.	10.	0000	2	0000	0
ALB 18	4	0065	3115	13	681213	40 39.0°N	71 20.3°W	5	152.01	0065	57.	37.	0000	2	0000	0
AST 9	75	0024	0000	13	75 915	41 32.3°N	70 54.3°W	1	152.10	0001	6.	112.	0000	23	6265	0
AST 9	75	0052	0000	13	75 916	41 36.5°N	70 55.6°W	1	152.10	0003	4.	34.	0000	23	6865	0
AST 9	75	0057	0000	13	75 917	41 36.2°N	70 53.6°W	1	152.10	0004	9.	88.	0000	23	6865	0
AST 9	75	0078	0000	13	75 917	41 37.0°N	70 54.1°W	1	152.10	0006	9.	70.	0000	23	6865	0
AST 9	75	0080	0000	13	75 919	41 38.3°N	70 55.0°W	1	152.10	0008	8.	68.	0000	23	6265	0
AST 10	75	0081	0000	13	7510 9	41 39.1°N	70 55.2°W	1	152.10	0009	5.	119.	0000	23	6838	0
AST 10	75	0083	0000	13	7510 9	41 38.7°N	70 55.1°W	1	152.10	0010	3.	23.	0000	23	6865	0
AST 10	75	0084	0000	13	7510 9	41 38.5°N	70 54.8°W	1	152.10	0011	3.	123.	0000	23	6865	0
AST 10	75	0085	0000	13	7510 9	41 38.9°N	70 55.2°W	1	152.10	0012	5.	49.	0000	23	6265	0
AST 10	75	0086	0000	13	7510 9	41 38.7°N	70 55.3°W	1	152.10	0013	11.	53.	0000	23	8634	0

MARSDEN SQUARE #152

CRUISE	SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
AST	10	75	0087	0000	13	7510 9	41 38.5'N	70 55.2'W	1	152.10	0014	10.	52.	0000	23	8821	0
AST	10	75	0092	0000	13	751010	41 32.8'N	70 54.3'W	1	152.10	0016	13.	79.	0000	23	8661	0
AST	10	75	0097	0000	13	751010	41 33.5'N	70 53.9'W	1	152.10	0017	13.	87.	0000	23	8668	0
AST	10	75	0099	0000	13	751010	41 33.5'N	70 52.7'W	1	152.10	0018	12.	134.	0000	23	6265	0
AST	10	75	0100	0000	13	751010	41 33.9'N	70 52.1'W	1	152.10	0019	12.	94.	0000	23	6865	0
AST	7	76	0108	0000	13	56 7 7	41 32.0'N	70 46.2'W	1	152.10	0020	15.	140.	0000	23	8865	0
AST	7	76	0109	0000	13	76 7 7	41 32.5'N	70 54.1'W	1	152.10	0021	15.	114.	0000	23	8665	0
AST	7	76	0110	0000	13	76 7 7	41 34.5'N	70 52.6'W	1	152.10	0022	9.	63.	0000	23	8668	0
AST	7	76	0111	0000	13	76 7 7	41 35.5'N	70 52.6'W	1	152.10	0023	8.	38.	0000	23	8665	0
AST	7	75	0113	0000	13	76 7 7	41 35.8'N	70 53.5'W	1	152.10	0025	9.	78.	0000	23	8665	0
AST	7	76	0114	0000	13	76 7 7	41 34.9'N	70 54.2'W	1	152.10	0026	8.	86.	0000	23	8665	0
AST	7	76	0115	0000	13	76 7 7	41 35.4'N	70 54.7'W	1	152.10	0027	6.	15.	0000	23	8665	0
AST	7	76	0116	0000	13	76 7 7	41 37.8'N	70 54.5'W	1	152.10	0028	8.	58.	0000	23	2135	0
AST	7	76	0117	0000	13	76 7 7	41 38.9'N	70 54.9'W	1	152.10	0029	8.	58.	0000	23	2835	0
KNR	10	1	0001	0000	16	70 9 9	42 24.6'N	70 34.3'W	3	152.20	0001	77.	2174.	0000	2	2665	0

MARSDEN SQUARE #176

AII	49	4	1470	0000	13	69 419	42 2.9'N	41 18.1'E	5	176.21	029A	906.	218.	0000	21	4315	0
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MARSDEN SQUARE #177

AII	49	3	1447	0000	15	69 4 3	41 23.0'N	31 3.6'E	5	177.11	017A	1256.	419.	0000	21	3219	0
AII	49	3	1447	0000	26	69 4 3	41 23.0'N	31 3.6'E	5	177.11	017B	1256.	91.	0000	21	4669	0
AII	49	3	1438	0000	13	69 328	41 58.5'N	35 41.0'E	5	177.15	0009	284.	145.	0000	21	3316	0
AII	49	4	1476	0000	13	69 423	41 37.7'N	37 39.0'E	5	177.17	033A	1741.	220.	0000	21	2319	0
AII	49	4	1476	0000	20	69 423	41 35.2'N	37 41.0'E	5	177.17	033B	1726.	20.	0000	21	0000	0
AII	49	3	1437	0000	13	69 327	41 41.2'N	38 28.3'E	5	177.18	0008	973.	62.	0000	21	3219	0
AII	49	4	1477	0000	15	69 423	41 34.0'N	39 3.2'E	5	177.19	034B	1966.	530.	0000	21	8435	0
AII	49	4	1468	0000	20	69 418	42 0.9'N	40 26.2'E	5	177.20	027A	1918.	15.	0000	21	0000	0
AII	49	3	1446	0000	15	69 4 2	42 11.5'N	31 21.8'E	5	177.21	016A	2147.	772.	0000	21	4831	0
AII	49	3	1446	0000	26	69 4 2	42 11.5'N	31 21.8'E	5	177.21	016B	2147.	117.	0000	21	0239	0
AII	49	3	1431	0000	15	69 322	42 14.0'N	33 4.0'E	5	177.23	002A	2136.	491.	0000	21	3225	0
AII	49	3	1440	0000	13	69 329	42 12.2'N	34 21.3'E	5	177.24	011A	264.	131.	0000	21	4319	0
AII	49	3	1440	0000	15	69 329	42 12.7'N	34 21.3'E	5	177.24	011B	207.	740.	0000	21	3125	0
AII	49	3	1440	0000	26	69 329	42 12.7'N	34 21.3'E	5	177.24	011C	207.	128.	0000	21	0059	0
AII	49	3	1439	0000	15	69 329	42 21.9'N	35 29.5'E	5	177.25	010A	1943.	700.	0000	21	2815	0
AII	49	4	1474	0000	15	69 421	42 23.0'N	37 36.6'E	5	177.27	032A	2114.	1152.	0000	21	2339	0
AII	49	4	1474	0000	26	69 421	42 23.0'N	37 36.6'E	5	177.27	032B	2114.	192.	0000	21	2339	0
AII	49	4	1474	0000	20	69 421	42 23.3'N	37 37.2'E	6	177.27	030C	2117.	600.	0000	21	3839	0
AII	49	4	1479	0000	15	69 425	42 17.6'N	38 9.9'E	5	177.28	036B	2099.	424.	0000	21	2869	0
AII	49	4	1479	0000	26	69 425	42 17.6'N	38 9.8'E	5	177.28	036A	2099.	75.	0000	21	2319	0
AII	49	4	1478	0000	15	69 425	42 8.0'N	39 14.5'E	5	177.29	035A	2026.	384.	0000	21	8249	0
AII	49	4	1478	0000	26	69 425	42 8.0'N	39 14.5'E	5	177.29	035B	2026.	89.	0000	21	2349	0
AII	49	3	1450	0000	13	69 4 4	43 39.4'N	30 9.4'E	5	177.30	001B	563.	115.	0000	21	3416	0
AII	49	3	1444	0000	15	69 4 1	43 48.0'N	31 45.3'E	5	177.31	014A	1597.	511.	0000	21	4216	0
AII	49	3	1445	0000	15	69 4 2	43 16.0'N	31 18.0'E	5	177.31	015A	1915.	357.	0000	21	3216	0
AII	49	3	1445	0000	26	69 4 2	43 16.0'N	31 18.0'E	5	177.31	015B	1915.	163.	0000	21	3419	0

MARSDEN SQUARE #177

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA
													DEPTH	TYPE		CODE	
AIH	49	4	1462	0000	13	69 414	43 4.5'N	32 59.5'E	5	177.32	0248	2179.	105.	0000	21	4319	0
AIH	49	4	1462	0000	20	69 414	43 2.8'N	33 2.1'E	6	177.33	024A	2186.	295.	0000	21	0000	0
AIH	49	4	1484	0000	20	69 430	44 42.1'N	36 53.6'E	6	177.33	039A	340.	400.	0000	21	3459	0
AIH	49	4	1486	0000	15	69 430	43 59.4'N	33 44.6'E	5	177.33	041A	1998.	825.	0000	21	2319	0
AIH	49	4	1486	0000	26	69 430	43 59.4'N	33 44.6'E	5	177.33	041B	1998.	80.	0000	21	2319	0
AIH	49	4	1486	0000	13	69 430	43 59.4'N	33 44.6'E	5	177.33	041C	1998.	294.	0000	21	2316	0
AIH	49	3	1432	0000	13	69 323	43 0.6'N	34 4.5'E	5	177.34	0003	2248.	124.	0000	21	3419	0
AIH	49	4	1464	0000	15	69 415	43 1.9'N	35 28.7'E	5	177.35	025B	2173.	211.	0000	21	3449	0
AIH	49	4	1464	0000	26	69 415	43 1.9'N	35 28.7'E	5	177.35	025C	2173.	107.	0000	21	2319	0
AIH	49	4	1464	0000	13	69 415	43 3.0'N	35 31.0'E	5	177.35	025D	2175.	125.	0000	21	2319	0
AIH	49	4	1464	0000	20	69 415	43 1.0'N	35 28.0'E	6	177.35	025A	2179.	400.	0000	21	0000	0
AIH	49	3	1436	0000	15	69 326	43 24.0'N	36 36.0'E	5	177.36	007A	2158.	535.	0000	21	2431	0
AIH	49	3	1436	0000	26	69 326	43 24.0'N	36 36.0'E	5	177.36	007B	2158.	119.	0000	21	4349	0
AIH	49	4	1466	0000	15	69 417	43 1.8'N	38 30.5'E	5	177.38	026A	2104.	129.	0000	21	8859	0
AIH	49	4	1466	0000	26	69 417	43 1.8'N	38 30.5'E	5	177.38	026B	2104.	128.	0000	21	3419	0
AIH	49	4	1466	0000	20	69 417	43 7.1'N	38 27.8'E	6	177.38	026C	2106.	350.	0000	21	0000	0
AIH	49	4	1473	0000	13	69 420	43 9.0'N	38 51.2'E	5	177.38	031A	1417.	212.	0000	21	2258	0
AIH	49	4	1473	0000	15	69 420	43 52.0'N	38 46.2'E	5	177.38	031C	1550.	752.	0000	21	2259	0
AIH	49	4	1480	0000	15	69 426	43 6.5'N	38 25.7'E	5	177.38	037A	2108.	428.	0000	21	2311	0
AIH	49	4	1480	0000	26	69 426	43 6.5'N	38 25.7'E	5	177.38	037B	2108.	118.	0000	21	3419	0
AIH	49	4	1472	0000	13	69 420	43 9.0'N	39 54.5'E	5	177.39	030B	1541.	273.	0000	21	0000	0
AIH	49	3	1442	0000	15	69 331	44 44.3'N	31 57.2'E	5	177.41	012A	420.	278.	0000	21	4839	0
AIH	49	3	1442	0000	26	69 331	44 44.3'N	31 57.2'E	5	177.41	012B	420.	132.	0000	21	4326	0
AIH	49	3	1442	0000	13	69 331	44 35.9'N	31 54.0'E	5	177.41	012C	549.	127.	0000	21	3419	0
AIH	49	3	1443	0000	15	69 331	44 35.3'N	31 55.3'E	5	177.41	013A	1057.	765.	0000	21	2416	0
AIH	49	3	1443	0000	26	69 331	44 35.3'N	31 55.3'E	5	177.41	013B	1057.	198.	0000	21	3429	0
AIH	49	3	1433	0000	15	69 324	44 5.0'N	35 0.0'E	5	177.45	004A	2225.	493.	0000	21	0311	0
AIH	49	4	1485	0000	20	69 430	44 24.9'N	35 15.2'E	5	177.45	040B	1704.	182.	0000	21	2219	0
AIH	49	3	1434	0000	15	69 325	44 20.0'N	36 0.0'E	5	177.46	005A	1466.	140.	0000	21	2319	0
AIH	49	3	1435	0000	13	69 325	44 26.0'N	36 13.0'E	5	177.46	0006	1033.	160.	0000	21	2329	0
AIH	49	4	1484	0000	13	69 430	44 41.6'N	36 54.9'E	5	177.46	039B	386.	201.	0000	21	2319	0
AIH	49	4	1481	0000	15	69 427	44 2.2'N	37 58.2'E	5	177.47	038A	2037.	508.	0000	21	2319	0
AIH	49	4	1481	0000	26	69 427	44 2.2'N	37 58.2'E	5	177.47	038B	2037.	191.	0000	21	2319	0

MARSDEN SQUARE #178

AIH	49	3	1453	0000	13	69 4 6	41 50.5'N	28 41.2'E	5	178.18	0021	255.	53.	0000	21	0819	0
AIH	49	3	1430	0000	13	69 321	41 25.7'N	29 25.6'E	5	178.19	0001	663.	119.	0000	21	2079	0
AIH	49	3	1461	0000	15	69 4 6	41 40.9'N	29 45.4'E	5	178.19	023B	1788.	890.	0000	21	0811	0
AIH	49	3	1461	0000	26	69 4 6	41 40.9'N	29 45.4'E	5	178.19	023C	1788.	107.	0000	21	3815	0
AIH	49	3	1452	0000	15	69 4 5	42 46.5'N	28 35.9'E	5	178.28	0020	728.	848.	0000	21	4329	0
AIH	49	3	1451	0000	13	69 4 5	43 34.2'N	29 31.5'E	5	178.39	0019	460.	72.	0000	21	3419	0

MARSDEN SQUARE #179

SHK	381	1	0002	0000	15	811211	40 14.5'N	11 17.6'E	9	179.01	0002	2654.	826.	0000	10	0000	0
SHK	381	1	0007	0000	26	811211	40 14.5'N	11 17.6'E	9	179.01	0002	2654.	144.	0000	10	0000	0
CHN	7	4	0001	0000	15	59 611	40 16.0'N	12 37.5'E	4	179.02	0001	3584.	595.	0000	21	3730	0

MARS DEN SQUARE #179

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR	MODA	LATITUDE	LONGITUDE	TYPE	MARS- DEN SQUARE	CORE OR DREDGE	DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE

MARS DEN SQUARE #180

SHK 381		1	0001	0000	15	811127	40	44.1°N	4	52.8°E	9	180.04	0001	2600.	0000	10	0000	0
CHN 7		7	0006	0000	15	59.711	41	35.0°N	4	52.0°E	4	180.14	0006	7490.	0000	21	3230	0
CHN 21		1	0019	0000	13	61.930	42	16.0°N	7	10.5°E	1	180.27	0019	2687.	0000	21	3860	0
CHN 21		1	0020	0000	13	6110 1	43	21.0°N	8	15.5°E	5	180.38	0020	2001.	0000	21	0000	0

MARS DEN SQUARE #181

KNR 54		6	0091	0000	19	76 529	59	41.2°N	6	57.2°W	1	181.96	0021	1068.	0000	13	7869	0
KNR 54		6	0092	0000	19	76 530	59	11.7°N	8	51.5°W	1	181.98	0022	1498.	0000	13	3352	0

MARS DEN SQUARE #182

KNR 51		3	0035	0000	15	75 824	54	28.5°N	15	17.9°W	9	182.45	0013	2665.	0000	26	4332	0
KNR 51		3	0036	0000	25	75 824	54	28.5°N	15	17.9°W	9	182.45	0013	2665.	0000	26	3429	0
KNR 51		3	0039	0000	16	75 827	56	16.5°N	12	30.2°W	11	182.62	0017	2505.	0000	26	4319	0
KNR 51		3	0039	0000	26	75 827	56	16.5°N	12	30.2°W	11	182.62	0017	2505.	0000	26	3332	0
KNR 51		3	0041	0000	15	75 829	56	17.9°N	12	31.3°W	11	182.62	0019	2535.	0000	26	4319	0
KNR 51		3	0041	0000	26	75 829	56	17.9°N	12	31.3°W	11	182.62	0019	2535.	0000	26	3389	0
KNR 51		3	0041	0000	19	75 830	56	16.8°N	12	32.8°W	11	182.62	0022	2930.	0000	26	3462	0
KNR 51		3	0041	0000	18	75 830	56	16.8°N	12	32.8°W	11	182.62	0023	2939.	0000	26	4359	0
KNR 51		3	0041	0000	18	75 830	56	16.6°N	12	33.3°W	11	182.62	0024	2945.	0000	26	4332	0
KNR 51		3	0041	0000	13	75 830	56	16.5°N	12	33.8°W	11	182.62	0025	2956.	0000	26	3862	0
KNR 51		3	0041	0000	18	75 830	56	16.6°N	12	34.0°W	11	182.62	0026	2962.	0000	26	3359	0
KNR 51		3	0042	0000	16	75 830	56	13.4°N	12	38.0°W	11	182.62	0031	2619.	0000	26	4319	0
KNR 51		3	0042	0000	26	75 830	56	13.4°N	12	38.0°W	11	182.62	0031	2619.	0000	26	3359	0
KNR 54		6	0094	0000	19	76 531	59	26.0°N	13	6.6°W	1	182.93	0024	1290.	0000	13	3332	0

MARS DEN SQUARE #183

CHN 13		1	0004	0000	15	60 723	53	53.0°N	24	12.0°W	4	183.34	0004	3375.	0000	11	3562	0
ATI 94		2	0094	0000	15	77 720	55	53.4°N	29	35.9°W	6	183.59	0019	2876.	0000	15	3932	0
ATI 94		2	0094	0000	25	77 720	55	53.4°N	29	35.9°W	6	183.59	0019	2876.	0000	15	3932	0
ATI 94		2	0095	0000	15	77 720	55	59.9°N	29	36.6°W	6	183.59	0020	2831.	0000	15	3332	0
ATI 94		2	0095	0000	26	77 720	55	59.9°N	29	36.6°W	6	183.59	0020	2831.	0000	53	3120	0
ATI 94		2	0097	0000	15	77 721	55	59.3°N	29	7.5°W	6	183.59	0022	2737.	0000	15	1370	0
ATI 94		2	0097	0000	26	77 721	55	59.3°N	29	7.5°W	6	183.59	0022	2737.	0000	15	3332	0
ATI 94		2	0098	0000	15	77 721	55	58.7°N	29	25.7°W	6	183.59	0023	2823.	0000	15	1352	0
ATI 94		2	0098	0000	26	77 721	55	58.7°N	29	25.7°W	6	183.59	0023	2823.	0000	15	3302	0
ATI 94		2	0099	0000	15	77 722	55	58.1°N	29	29.7°W	6	183.59	0024	2848.	0000	15	0000	0
ATI 94		2	0099	0000	25	77 722	55	58.1°N	29	29.7°W	6	183.59	0024	2848.	0000	15	3302	0

MARSDEN SQUARE #183

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
													DEPTH				
ATL	94	2	0100	0000	15	77 724	55 59.2'N	29 44.7'W	6	183.59	0025	2863.	1117.	0000	15	1342	0
ATL	94	2	0100	0000	26	77 724	55 59.2'N	29 44.7'W	6	183.59	0025	2863.	123.	0000	15	3170	0
ATL	94	2	0101	0000	15	77 724	55 59.8'N	29 52.5'W	6	183.59	0026	2892.	1191.	0000	15	0000	0
ATL	94	2	0101	0000	26	77 724	55 59.8'N	29 52.5'W	6	183.59	0026	2892.	115.	0000	15	3312	0
ATL	94	2	0092	0000	15	77 719	56 39.2'N	28 29.1'W	6	183.68	0017	2691.	1206.	0000	15	3372	0
ATL	94	2	0092	0000	26	77 719	56 39.2'N	28 29.1'W	6	183.68	0017	2691.	152.	0000	15	3330	0
ATL	94	2	0093	0000	15	77 720	56 2.8'N	29 0.1'W	6	183.69	0018	2732.	1072.	0000	15	3372	0
ATL	94	2	0093	0000	26	77 720	56 2.8'N	29 0.1'W	6	183.69	0018	2732.	112.	0000	15	3332	0
ATL	94	2	0096	0000	15	77 721	56 5.8'N	29 36.5'W	9	183.69	0021	2721.	1170.	0000	15	3370	0
ATL	94	2	0096	0000	26	77 721	56 5.8'N	29 36.5'W	9	183.69	0021	2721.	151.	0000	15	1302	0
ATL	94	2	0102	0000	15	77 724	56 4.7'N	29 50.3'W	6	183.69	0027	2819.	1168.	0000	15	3372	0
ATL	94	2	0102	0000	26	77 724	56 4.7'N	29 50.3'W	6	183.69	0027	2819.	161.	0000	15	3310	0
ATL	94	2	0103	0000	15	77 725	56 3.3'N	29 37.2'W	6	183.69	0028	2770.	1115.	0000	15	3172	0
ATL	94	2	0103	0000	26	77 725	56 3.3'N	29 37.2'W	6	183.69	0028	2770.	70.	0000	15	3102	0
ATL	94	2	0104	0000	15	77 725	56 4.3'N	29 24.9'W	6	183.69	0029	2746.	1148.	0000	15	0000	0
ATL	94	2	0104	0000	26	77 725	56 4.3'N	29 24.9'W	6	183.69	0029	2746.	143.	0000	15	0000	0
ATL	94	2	0105	0000	15	77 725	56 1.3'N	29 36.3'W	6	183.69	0030	2804.	1200.	0000	15	3172	0
ATL	94	2	0105	0000	26	77 725	56 1.3'N	29 36.3'W	6	183.69	0030	2804.	152.	0000	15	0000	0
ATL	94	2	0091	0000	15	77 719	57 29.5'N	26 46.2'W	6	183.76	0016	2708.	1200.	0000	15	3372	0
ATL	94	2	0091	0000	26	77 719	57 29.5'N	26 46.2'W	6	183.76	0016	2708.	130.	0000	15	3302	0
ATL	94	2	0090	0000	15	77 718	58 15.1'N	25 14.5'W	6	183.85	0015	2681.	1166.	0000	15	3370	0
ATL	94	2	0090	0000	26	77 718	58 15.1'N	25 14.5'W	6	183.85	0015	2681.	138.	0000	15	3370	0
ATL	94	2	0088	0000	15	77 717	59 45.2'N	23 11.6'W	9	183.93	0013	2244.	1071.	0000	15	3372	0
ATL	94	2	0088	0000	26	77 717	59 45.2'N	23 11.6'W	9	183.93	0013	2244.	125.	0000	15	1310	0
ATL	94	2	0089	0000	15	77 718	59 0.9'N	24 19.6'W	6	183.94	0014	2533.	1110.	0000	15	3172	0
ATL	94	2	0089	0000	26	77 718	59 0.9'N	24 19.6'W	6	183.94	0014	2533.	115.	0000	15	1310	0

MARSDEN SQUARE #215

ATL	32	1	0011	0000	13	67 6 7	55 44.0'N	15 55.6'E	3	215.55	0007	60.	75.	0000	20	2259	0
ATL	32	2	0038	0000	13	67 617	55 29.1'N	15 54.0'E	3	215.55	0018	84.	341.	0000	20	2814	0
ATL	32	1	0004	0000	13	67 6 6	55 48.5'N	16 21.7'E	3	215.56	0002	49.	39.	0000	20	2849	0
ATL	32	1	0006	0000	13	67 6 6	55 43.5'N	16 38.0'E	3	215.56	0004	51.	139.	0000	20	1819	0
ATL	32	1	0007	0000	13	67 6 6	55 31.3'N	16 38.0'E	3	215.56	0005	42.	58.	0000	20	2234	0
ATL	32	1	0008	0000	13	67 6 6	55 38.0'N	16 25.0'E	3	215.56	0006	60.	202.	0000	20	1819	0
ATL	32	1	0012	0000	13	67 6 7	55 43.1'N	16 37.3'E	3	215.56	0008	49.	282.	0000	20	1814	0
ATL	32	1	0013	0000	13	67 6 7	55 37.2'N	16 25.3'E	3	215.56	0009	49.	296.	0000	20	1814	0
ATL	32	2	0032	0000	13	67 617	55 8.2'N	16 4.0'E	3	215.56	0016	84.	209.	0000	20	1625	0
ATL	32	2	0037	0000	13	67 617	55 21.0'N	16 4.2'E	3	215.56	0017	86.	393.	0000	20	1819	0
ATL	32	1	0017	0000	13	67 613	55 28.4'N	18 43.1'E	3	215.58	0010	79.	396.	0000	20	1229	0
ATL	32	1	0018	0000	13	67 613	55 21.5'N	18 54.2'E	3	215.58	0011	86.	124.	0000	20	2249	0
ATL	32	2	0020	0000	13	67 613	55 21.9'N	18 4.2'E	3	215.58	0012	82.	151.	0000	20	2854	0
ATL	32	2	0021	0000	13	67 613	55 28.6'N	18 17.3'E	3	215.58	0013	82.	214.	0000	20	2814	0
ATL	32	2	0028	0000	13	67 614	55 25.2'N	18 4.8'E	3	215.58	0014	88.	182.	0000	20	2814	0
ATL	32	2	0029	0000	13	67 616	55 33.0'N	18 28.1'E	3	215.58	0015	86.	43.	0000	20	2869	0

MARSDEN SQUARE #216

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDD	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
													DEPTH				
KNR	54	6	0019	0000	19	76 512	58 26.0'N	0 2.8'E	1	216.80	0005	136.	39.	0000	20	3266	0
KNR	54	6	0022	0000	19	76 512	58 26.7'N	0 19.1'E	1	216.80	0006	138.	27.	0000	20	3269	0
KNR	54	6	0032	0000	19	76 514	58 50.3'N	0 41.4'E	1	216.80	0008	140.	31.	0000	20	8369	0
KNR	54	6	0059	0000	19	76 519	58 25.5'N	1 40.0'E	1	216.81	0013	141.	25.	0000	20	8369	0
KNR	54	6	0030	0000	19	76 513	58 54.9'N	4 8.2'E	1	216.84	0007	284.	37.	0000	20	3269	0
KNR	54	6	0044	0000	19	76 515	59 5.8'N	0 8.9'E	1	216.90	0009	134.	24.	0000	20	8469	0
KNR	54	6	0076	0000	19	76 526	59 30.5'N	0 20.0'E	1	216.90	0018	121.	13.	0000	20	8859	0

MARSDEN SQUARE #218

KNR	54	6	0096	0000	19	76 6 1	60 8.5'N	15 1.4'W	1	218.05	0025	1295.	22.	0000	13	3662	0
KNR	54	6	0098	0000	19	76 6 2	60 59.7'N	16 5.5'W	1	218.06	0026	2435.	23.	0000	5	3939	0
KNR	54	6	0101	0000	19	76 6 3	61 55.7'N	17 13.2'W	1	218.17	0028	2242.	36.	0000	5	3669	0
AII	94	1	0052	0000	15	77 7 5	61 44.2'N	18 40.9'W	6	218.18	0007	2173.	814.	0000	5	0000	0
AII	94	1	0052	0000	26	77 7 5	61 44.2'N	18 40.9'W	6	218.18	0007	2173.	148.	0000	5	1612	0
AII	94	1	0056	0000	19	77 7 5	61 44.0'N	18 39.0'W	6	218.18	0006	2175.	33.	0000	5	4469	0
AII	94	1	0057	0000	15	77 7 5	61 53.2'N	18 48.1'W	6	218.18	0008	2088.	481.	0000	5	1761	0
AII	94	1	0060	0000	19	77 7 5	61 50.3'N	18 47.9'W	9	218.18	0007	2128.	52.	0000	5	3969	0
AII	94	1	0073	0000	19	77 7 8	61 31.0'N	18 46.5'W	6	218.18	0008	2203.	68.	0000	5	4869	0
AII	94	1	0077	0000	19	77 7 9	61 41.0'N	18 25.1'W	6	218.18	0009	2205.	64.	0000	5	4962	0
AII	94	1	0078	0000	19	77 7 9	61 40.5'N	18 27.2'W	6	218.18	0010	2248.	69.	0000	5	4869	0
AII	94	1	0079	0000	19	77 7 9	61 41.2'N	18 39.0'W	6	218.18	0011	2154.	70.	0000	5	4862	0
AII	94	1	0080	0000	19	77 7 9	61 45.6'N	18 37.0'W	6	218.18	0012	2133.	70.	0000	5	4869	0
AII	94	1	0069	0000	15	77 7 7	61 32.0'N	19 21.9'W	6	218.19	0011	2205.	1084.	0000	5	2732	0
AII	94	1	0069	0000	26	77 7 7	61 32.0'N	19 21.9'W	6	218.19	0011	2205.	54.	0000	5	2812	0
AII	94	1	0071	0000	15	77 7 7	61 28.7'N	19 24.4'W	6	218.19	0012	2295.	1147.	0000	5	2730	0
AII	94	1	0071	0000	26	77 7 7	61 28.7'N	19 24.4'W	6	218.19	0012	2295.	141.	0000	5	3712	0
AII	94	1	0035	0000	15	77 7 2	62 5.9'N	16 37.3'W	6	218.26	0003	2199.	1010.	0000	5	2761	0
AII	94	1	0035	0000	26	77 7 2	62 5.9'N	16 37.3'W	6	218.26	0003	2199.	57.	0000	5	2812	0
AII	94	1	0024	0000	19	77 628	62 29.6'N	17 59.3'W	9	218.27	0003	1509.	21.	0000	5	4869	0
AII	94	1	0027	0000	15	77 630	62 24.0'N	17 46.7'W	6	218.27	0002	1764.	970.	0000	5	2761	0
AII	94	1	0027	0000	26	77 630	62 24.0'N	17 46.7'W	6	218.27	0002	1764.	12.	0000	5	2700	0
AII	94	1	0041	0000	15	77 7 4	62 18.4'N	17 8.6'W	9	218.27	0004	2114.	1170.	0000	5	2861	0
AII	94	1	0041	0000	26	77 7 4	62 18.4'N	17 8.6'W	9	218.27	0004	2114.	136.	0000	5	2812	0
AII	94	1	0043	0000	19	77 7 4	62 22.5'N	17 35.8'W	6	218.27	0004	1839.	59.	0000	5	4869	0
AII	94	1	0045	0000	15	77 7 4	62 28.5'N	17 54.1'W	6	218.27	0005	1596.	1132.	0000	5	2860	0
AII	94	1	0045	0000	26	77 7 4	62 28.5'N	17 54.1'W	6	218.27	0005	1596.	155.	0000	5	2811	0
AII	94	1	0048	0000	19	77 7 4	62 26.3'N	17 50.3'W	9	218.27	0005	1687.	10.	0000	5	0000	0
AII	94	1	0086	0000	19	77 711	62 17.6'N	17 25.1'W	9	218.27	0015	1998.	69.	0000	5	3862	0
AII	94	1	0016	0000	15	77 627	62 34.6'N	18 14.0'W	6	218.28	0001	1177.	845.	0000	3	1880	0
AII	94	1	0016	0000	26	77 627	62 34.6'N	18 14.0'W	6	218.28	0001	1177.	18.	0000	3	2702	0
AII	94	1	0021	0000	19	77 627	62 30.4'N	18 6.4'W	1	218.28	0002	1391.	0.	0000	3	0000	0
AII	94	1	0050	0000	15	77 7 4	62 31.2'N	18 5.5'W	6	218.28	0006	1369.	1138.	0000	3	2831	0
AII	94	1	0082	0000	19	77 710	62 33.2'N	18 14.3'W	9	218.28	0013	1198.	0.	0000	3	0000	0
AII	94	1	0083	0000	19	77 710	62 31.8'N	18 2.0'W	9	218.28	0014	1409.	0.	0000	3	0000	0
AII	94	1	0061	0000	15	77 7 6	62 7.6'N	19 2.5'W	6	218.29	0009	2082.	721.	0000	5	4581	0
AII	94	1	0064	0000	15	77 7 6	62 9.9'N	19 19.8'W	6	218.29	0010	1555.	1128.	0000	5	2730	0
AII	94	1	0064	0000	26	77 7 6	62 9.9'N	19 19.8'W	6	218.29	0010	1555.	9.	0000	5	1910	0
KNP	54	6	0100	0000	19	76 6 3	63 0.0'N	14 11.9'W	1	218.34	0027	1526.	50.	0000	3	4839	0

MARSDEN SQUARE #218

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE #219

KNR	51	3	0021	0000	18	75 811	61 40.4'N	20 31.4'W	11	219.10	0001	2062.	52.	0000	26	0969	0
KNR	51	3	0022	0000	18	75 811	61 38.4'N	20 32.8'W	11	219.10	0002	2079.	96.	0000	26	0969	0
KNR	51	3	0023	0000	18	75 811	61 38.6'N	20 34.4'W	11	219.10	0003	2034.	77.	0000	26	0059	0

MARSDEN SQUARE #252

KNR	54	6	0048	0000	19	76 516	60 21.3'N	1 58.7'E	1	252.01	0010	101.	20.	0000	70	8855	0
KNR	54	6	0072	0000	19	76 524	62 20.9'N	0 53.7'E	1	252.20	0017	628.	39.	0000	7	8239	0
KNR	54	6	0070	0000	19	76 523	63 49.5'N	0 50.9'E	1	252.30	0016	2217.	41.	0000	7	3322	0

MARSDEN SQUARE #300

CHN	99	3	0036	0000	15	70 6 1	8 44.5'S	0 11.6'W	1	300.80	0026	4914.	1190.	0000	11	3022	54
CHN	99	3	0036	0000	26	70 6 1	8 44.5'S	0 11.6'W	1	300.80	0026	4914.	191.	0000	11	3032	54
CHN	99	3	0034	0000	15	70 531	8 44.2'S	1 52.5'W	9	300.81	0025	4896.	1075.	0000	11	3532	54
CHN	99	3	0034	0000	25	70 531	8 44.2'S	1 52.5'W	9	300.81	0025	4896.	175.	0000	11	0549	54
CHN	99	3	0033	0000	15	70 530	8 41.8'S	3 32.5'W	1	300.83	0024	4414.	1066.	0000	10	3932	54
CHN	99	3	0032	0000	15	70 530	8 43.0'S	4 58.7'W	1	300.84	0023	4404.	837.	0000	15	3738	54
CHN	99	3	0031	0000	15	70 529	8 42.8'S	6 25.5'W	1	300.86	0022	4660.	509.	0000	15	1339	54
CHN	99	3	0030	0000	15	70 529	8 37.9'S	8 5.8'W	9	300.88	0021	4075.	926.	0000	15	3329	54
CHN	99	3	0029	0000	15	70 528	8 40.0'S	9 25.0'W	1	300.89	0020	3733.	1129.	0000	15	3329	54

MARSDEN SQUARE #301

ATI	20	1	0006	0000	13	66 311	0 7.0'S	17 34.5'W	0	301.07	0006	6380.	0.	0205	19	0000	0
ATI	20	1	0007	0000	15	66 311	0 14.0'S	18 35.0'W	0	301.08	0007	7720.	1054.	0000	19	0000	0
ATI	20	1	0009	0000	18	66 312	0 16.0'S	18 33.5'W	0	301.08	0009	7505.	103.	0000	19	0000	0
ATI	20	1	0010	0000	18	663012	0 13.5'S	18 34.5'W	0	301.08	0010	7590.	104.	0000	19	0000	0
ATI	20	1	0011	0000	18	66 312	0 11.2'S	18 35.2'W	0	301.08	0011	6400.	81.	0000	19	0000	0
ATI	20	1	0012	0000	15	66 313	0 5.5'S	18 34.5'W	0	301.08	0012	4750.	993.	0076	19	0000	0
CHN	17	1	0007	0000	15	61 428	0 16.4'S	18 31.0'W	0	301.08	0007	7610.	749.	0000	15	0000	0
CHN	99	3	0012	0000	13	70 519	0 9.0'S	19 7.9'W	9	301.09	0001	4195.	31.	0000	19	3339	0
CHN	99	3	0014	0000	15	70 520	2 34.9'S	19 5.2'W	1	301.29	0011	5457.	1097.	0000	19	1432	54
CHN	99	3	0014	0000	26	70 520	2 34.9'S	19 5.2'W	1	301.29	0011	5457.	185.	0000	19	3729	54
CHN	99	3	0015	0000	15	70 521	4 36.0'S	19 3.0'W	1	301.49	0012	4353.	1095.	0000	15	3322	54
CHN	99	3	0015	0000	26	70 521	4 36.0'S	19 3.0'W	1	301.49	0012	4353.	188.	0000	15	3359	54
CHN	99	3	0023	0000	15	70 525	6 46.7'S	12 47.0'W	1	301.62	0016	3286.	858.	0000	15	3729	54
CHN	99	3	0016	0000	15	70 522	6 39.1'S	18 55.3'W	9	301.68	0013	4762.	1184.	0000	15	0322	40
CHN	99	3	0016	0000	26	70 522	6 39.1'S	18 55.3'W	9	301.68	0013	4762.	186.	0000	15	3342	40
CHN	99	3	0024	0000	15	70 526	7 20.1'S	14 5.0'W	4	301.74	0017	3722.	829.	0000	19	3721	54
CHN	99	3	0028	0000	15	70 528	8 39.7'S	10 58.0'W	9	301.80	0019	3462.	796.	0000	15	3729	54
CHN	99	3	0026	0000	15	70 527	8 23.0'S	13 3.6'W	4	301.83	0018	3116.	856.	0000	14	3729	54
CHN	99	3	0021	0000	15	70 524	8 10.3'S	15 26.9'W	9	301.85	0015	3652.	911.	0000	15	3329	54

CC60

MARSDEN SQUARE #301

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN	99	3	0021	0000	26	70 524	8 10.3'S	15 26.9'W	9	301.85	0015	3652.	81.	0000	15	3359	54
CHN	99	3	0019	0000	15	70 523	8 15.0'S	17 40.0'W	1	301.87	0014	4029.	1037.	0000	15	3731	54
CHN	99	3	0019	0000	26	70 523	8 15.0'S	17 40.0'W	1	301.87	0014	4029.	84.	0000	15	3329	54

MARSDEN SQUARE #308

ATI	54	2	0053	0000	15	691129	2 45.0'S	86 46.0'W	0	308.26	0024	2805.	818.	0000	15	3568	0
ATI	54	2	0053	0000	26	691129	2 45.0'S	86 46.0'W	0	308.26	0024	2805.	158.	0000	15	3562	0
ATI	54	2	0055	0000	15	691130	4 16.2'S	85 53.8'W	9	308.45	0025	3225.	934.	0000	15	3568	0
ATI	54	2	0055	0000	26	691130	4 16.2'S	85 53.8'W	9	308.45	0025	3225.	134.	0000	15	3562	0

MARSDEN SQUARE #309

CHN	100	11	0140	0000	15	711022	10 5.0'S	99 41.8'W	9	309.09	0094	4314.	739.	0000	10	1422	0
CHN	100	11	0140	0000	26	711022	10 5.0'S	99 41.8'W	9	309.09	0094	4314.	154.	0000	10	1152	0
ATI	54	2	0052	0000	15	691126	2 23.5'S	90 5.2'W	9	309.20	0023	3230.	1045.	0000	15	3569	0
ATI	54	2	0052	0000	26	691126	2 23.5'S	90 5.2'W	9	309.20	0023	3230.	67.	0000	15	3569	0
ATI	54	2	0050	0000	15	691125	5 32.5'S	91 24.3'W	9	309.51	0022	4075.	1020.	0000	15	3568	0
ATI	54	2	0050	0000	26	691125	5 32.5'S	91 24.3'W	9	309.51	0022	4075.	160.	0000	15	3562	0
ATI	54	2	0003	0000	15	6911 5	5 37.4'S	87 21.3'W	9	309.57	0007	3735.	906.	0000	11	3562	0
ATI	54	2	0003	0000	26	6911 5	5 37.4'S	87 21.3'W	9	309.57	0002	3735.	89.	0000	11	3562	0
ATI	54	2	0042	0000	15	691122	5 59.8'S	98 29.8'W	9	309.58	0019	3659.	961.	0000	15	3569	0
ATI	54	2	0042	0000	26	691122	5 59.8'S	98 29.8'W	9	309.58	0019	3659.	127.	0000	15	3569	0
ATI	54	2	0047	0000	15	691124	6 46.9'S	93 40.5'W	9	309.63	0021	3985.	832.	0000	15	3562	0
ATI	54	2	0047	0000	26	691124	6 46.9'S	93 40.5'W	9	309.63	0021	3985.	155.	0000	15	3562	0
ATI	108	1	0007	0000	15	81 417	6 6.8'S	93 7.4'W	9	309.63	0003	4206.	901.	0000	11	0022	0
ATI	108	1	0007	0000	26	81 417	6 6.8'S	93 7.4'W	9	309.63	0003	4206.	139.	0000	11	5027	0
ATI	54	2	0045	0000	15	691123	6 15.7'S	96 32.5'W	9	309.69	0020	3785.	966.	0000	15	0322	0
ATI	54	2	0045	0000	26	691123	6 15.7'S	96 32.5'W	9	309.69	0020	3785.	145.	0000	15	0322	0
ATI	54	2	0005	0000	15	6911 6	7 24.6'S	89 10.1'W	9	309.79	0003	4165.	122.	0000	11	6969	0
ATI	54	2	0005	0000	26	6911 6	7 24.6'S	89 10.1'W	9	309.79	0003	4165.	140.	0000	11	3569	0
CHN	100	11	0141	0000	15	711023	8 34.4'S	98 17.7'W	9	309.88	0095	4038.	627.	0000	10	0322	0
CHN	100	11	0141	0000	26	711023	8 34.4'S	98 17.7'W	9	309.88	0095	4038.	135.	0000	10	3562	0
ATI	54	2	0012	0000	15	691110	8 49.0'S	99 30.0'W	1	309.89	0007	4375.	799.	0000	15	3032	0
ATI	54	2	0012	0000	26	691110	8 49.0'S	99 30.0'W	1	309.89	0007	4375.	140.	0000	15	5369	0
ATI	54	2	0007	0000	15	6911 7	9 59.0'S	91 13.0'W	1	309.91	0004	4115.	428.	0000	11	3329	0
ATI	54	2	0007	0000	26	6911 7	9 59.0'S	91 13.0'W	1	309.91	0004	4115.	85.	0000	11	3539	0
ATI	54	2	0009	0000	15	6911 8	9 31.3'S	94 12.6'W	9	309.94	0005	3960.	771.	0000	13	3562	0
ATI	54	2	0009	0000	26	6911 8	9 31.3'S	94 12.6'W	9	309.94	0005	3960.	91.	0000	13	3562	0
ATI	54	2	0011	0000	15	6911 9	9 19.0'S	97 36.2'W	9	309.97	0006	4287.	881.	0000	15	0429	0
ATI	54	2	0011	0000	26	6911 9	9 19.0'S	97 36.2'W	9	309.97	0006	4287.	140.	0000	15	3562	0

MARSDEN SQUARE #310

KNR	73	4	0004	0000	15	78 415	0 22.4'S	106 10.7'W	9	310.06	0003	3606.	843.	0000	11	3562	0
KNR	73	4	0004	0000	26	78 415	0 22.4'S	106 10.7'W	9	310.06	0003	3606.	128.	0000	11	3332	0
ATI	54	2	0039	0000	15	691121	5 38.3'S	101 24.8'W	9	310.51	0018	3755.	814.	0000	14	3562	0

CC61

MARSDEN SQUARE #310

SHIP	CRUISE	LEG	STATION	SAMPLE NUMMER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA CODE
													DEPTH				
AII	54	2	0039	0000	25	691121	5 38.3'S	101 24.8'W	9	310.51	0018	3755.	139.	0000	14	3569	0
AII	54	2	0037	0000	15	691120	5 30.6'S	102 43.2'W	1	310.52	0017	3835.	837.	0000	15	0322	0
AII	54	2	0037	0000	25	691120	5 30.6'S	102 43.2'W	1	310.52	0017	3835.	170.	0000	15	3332	0
CHN	100	11	0146	0000	15	711025	5 53.6'S	102 38.8'W	1	310.52	0100	4440.	809.	0000	10	5362	0
CHN	100	11	0146	0000	25	711025	5 53.6'S	102 38.8'W	1	310.52	0100	4440.	108.	0000	10	5362	0
AII	54	2	0025	0000	15	691116	5 44.1'S	107 27.2'W	9	310.57	0013	3225.	591.	0000	15	0322	0
AII	54	2	0025	0000	26	691116	5 44.1'S	107 27.2'W	9	310.57	0013	3255.	162.	0000	15	0322	0
AII	54	2	0029	0000	15	691117	5 43.9'S	107 34.1'W	9	310.57	0014	3190.	858.	0000	14	0322	0
AII	54	2	0029	0000	26	691117	5 43.9'S	107 34.1'W	9	310.57	0014	3190.	90.	0000	14	3562	0
AII	54	2	0022	0000	15	691114	5 19.7'S	108 48.3'W	9	310.58	0011	3600.	606.	0000	14	0329	0
AII	54	2	0022	0000	26	691114	5 19.7'S	108 48.3'W	9	310.58	0011	3600.	135.	0000	14	0329	0
AII	54	2	0024	0000	15	691115	5 25.9'S	108 15.1'W	9	310.58	0012	3560.	735.	0000	15	0322	0
AII	54	2	0024	0000	26	691115	5 25.9'S	108 15.1'W	9	310.58	0012	3560.	164.	0000	15	0322	0
AII	54	2	0031	0000	15	691118	6 24.2'S	105 47.3'W	9	310.65	0015	3497.	741.	0000	11	0322	0
AII	54	2	0031	0000	26	691118	6 24.2'S	105 47.3'W	9	310.65	0015	3497.	70.	0000	11	0322	0
AII	54	2	0035	0000	15	691119	6 19.0'S	105 39.7'W	9	310.65	0016	3341.	915.	0000	15	0322	0
AII	54	2	0035	0000	26	691119	6 19.0'S	105 39.7'W	9	310.65	0016	3341.	144.	0000	15	0329	0
CHN	100	11	0142	0000	15	711023	7 51.8'S	100 41.2'W	1	310.70	0096	4201.	833.	0000	10	4329	0
CHN	100	11	0142	0000	26	711023	7 51.8'S	100 41.2'W	1	310.70	0096	4201.	67.	0000	10	1039	0
CHN	100	11	0143	0000	15	711024	7 44.8'S	101 24.6'W	1	310.71	0097	4649.	962.	0000	10	3538	0
CHN	100	11	0143	0000	26	711024	7 44.8'S	101 24.6'W	1	310.71	0097	4649.	110.	0000	10	6669	0
CHN	100	11	0144	0000	15	711024	7 37.8'S	101 55.4'W	1	310.71	0098	3743.	678.	0000	10	3022	0
CHN	100	11	0144	0000	26	711024	7 37.8'S	101 55.4'W	1	310.71	0098	3743.	54.	0000	10	0339	0
CHN	100	11	0145	0000	15	711024	7 17.8'S	102 58.2'W	9	310.72	0099	4400.	748.	0000	10	1032	0
CHN	100	11	0145	0000	26	711024	7 17.8'S	102 58.2'W	9	310.72	0099	4400.	102.	0000	10	5362	0
AII	54	2	0018	0000	15	691112	7 58.5'S	106 32.5'W	9	310.76	0010	3405.	815.	0000	14	3562	0
AII	54	2	0018	0000	26	691112	7 58.5'S	106 32.5'W	9	310.76	0010	3405.	143.	0000	14	3569	0
AII	54	2	0020	0000	13	691113	7 26.0'S	108 15.0'W	9	310.78	0001	3170.	107.	0000	14	3329	0
AII	54	2	0014	0000	15	691111	8 26.2'S	102 12.0'W	9	310.82	0008	3984.	709.	0000	15	4339	0
AII	54	2	0014	0000	26	691111	8 26.2'S	102 12.0'W	9	310.82	0008	3984.	129.	0000	15	3339	0
AII	54	2	0016	0000	15	691112	8 7.4'S	104 18.8'W	9	310.84	0009	3560.	230.	0000	15	3324	0
AII	54	2	0016	0000	26	691112	8 7.4'S	104 18.8'W	9	310.84	0009	3560.	140.	0000	15	3359	0

MARSDEN SQUARE #313

KNR	73	4	0025	0000	15	78 430	0 51.3'S	134 3.5'W	9	313.04	0010	4329.	1089.	0000	19	3562	0
KNR	73	4	0025	0000	26	78 430	0 51.3'S	134 3.5'W	9	313.04	0010	4329.	122.	0000	19	0000	0
KNR	73	4	0022	0000	15	78 428	1 24.2'S	131 28.3'W	9	313.11	0009	4394.	632.	0000	19	3362	0
KNR	73	4	0022	0000	26	78 428	1 24.2'S	131 28.3'W	9	313.11	0009	4394.	126.	0000	19	3362	0

MARSDEN SQUARE #316

CHN	100	10	0129	0000	15	71 918	7 36.3'S	167 57.0'W	1	316.77	0087	4430.	712.	0000	26	3723	0
CHN	100	10	0129	0000	26	71 918	7 36.3'S	167 57.0'W	1	316.77	0087	4430.	144.	0000	26	3469	0
CHN	100	10	0124	0000	15	71 916	7 19.0'S	168 21.6'W	1	316.78	0082	5742.	1606.	0000	26	3631	0
CHN	100	10	0124	0000	26	71 916	7 19.0'S	168 21.6'W	1	316.78	0082	5742.	84.	0000	26	1159	0
CHN	100	10	0126	0000	15	71 916	7 25.8'S	168 32.0'W	1	316.78	0084	5508.	659.	0000	26	1163	0
CHN	100	10	0126	0000	26	71 916	7 25.8'S	168 32.0'W	1	316.78	0084	5508.	74.	0000	26	1663	0

MARSDEN SQUARE #316

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH		DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. VITA	
												OR END DEPTH	OR DREDGE SAMPLE WEIGHT			TYPE	CODE
CHN 100	10	0127	0000	15	71 917	7 21.2'S	168 31.2'W	1	316.78	0085	5457.	743.	0000	26	1139	0	
CHN 100	10	0128	0000	15	71 917	7 23.5'S	168 41.3'W	1	316.78	0086	5495.	0.	0000	26	0000	0	
CHN 100	10	0131	0000	15	71 918	7 36.7'S	168 10.6'W	9	316.78	0088	5289.	1958.	0000	26	6339	0	
CHN 100	10	0131	0000	26	71 918	7 36.7'S	168 10.6'W	9	316.78	0088	5289.	135.	0000	26	1529	0	
CHN 100	10	0132	0000	15	71 918	7 27.2'S	168 6.7'W	9	316.78	0089	5276.	806.	0000	26	1663	0	
CHN 100	10	0132	0000	26	71 918	7 27.2'S	168 6.7'W	9	316.78	0089	5276.	154.	0000	26	1163	0	
CHN 100	10	0106	0000	14	71 910	8 3.7'S	168 34.1'W	1	316.88	0072	5117.	0.	0000	26	0000	0	
CHN 100	10	0107	0000	15	71 911	8 3.0'S	168 34.5'W	1	316.88	0073	5159.	34.	0000	26	8853	0	
CHN 100	10	0109	0000	15	71 911	8 28.2'S	168 43.8'W	1	316.88	0074	4526.	462.	0000	26	1023	0	
CHN 100	10	0109	0000	26	71 911	8 28.2'S	168 43.8'W	1	316.88	0074	4626.	120.	0000	26	1023	0	
CHN 100	10	0110	0000	15	71 912	8 37.1'S	168 35.7'W	1	316.88	0075	4576.	255.	0000	26	3123	0	
CHN 100	10	0110	0000	26	71 912	8 37.1'S	168 35.7'W	1	316.88	0075	4576.	121.	0000	26	3129	0	
CHN 100	10	0111	0000	15	71 912	8 40.5'S	168 55.1'W	1	316.88	0076	5026.	549.	0000	26	1323	0	
CHN 100	10	0111	0000	26	71 912	8 40.5'S	168 55.1'W	1	316.88	0076	5026.	112.	0000	26	1323	0	
CHN 100	10	0113	0000	15	71 912	8 22.2'S	168 51.7'W	1	316.88	0077	5162.	354.	0000	26	1323	0	
CHN 100	10	0113	0000	26	71 912	8 22.2'S	168 51.7'W	1	316.88	0077	5162.	85.	0000	26	1323	0	
CHN 100	10	0114	0000	15	71 912	8 25.7'S	168 58.7'W	9	316.88	0078	4550.	521.	0000	26	3423	0	
CHN 100	10	0114	0000	26	71 912	8 25.7'S	168 58.7'W	9	316.88	0078	4550.	132.	0000	26	3423	0	
CHN 100	10	0116	0000	15	71 913	8 20.3'S	168 46.0'W	9	316.88	0079	5123.	1113.	0000	26	1153	0	
CHN 100	10	0116	0000	26	71 913	8 20.3'S	168 46.0'W	9	316.88	0079	5123.	150.	0000	26	1653	0	
CHN 100	10	0117	0000	15	71 913	8 18.7'S	168 33.3'W	9	316.88	0080	4732.	855.	0000	26	1323	0	
CHN 100	10	0117	0000	26	71 913	8 18.7'S	168 33.3'W	91	316.88	0080	4732.	117.	0000	26	1323	0	
CHN 100	10	0118	0000	15	71 914	8 16.0'S	168 44.1'W	9	316.88	0081	5007.	817.	0000	26	1123	0	
CHN 100	10	0118	0000	26	71 914	8 16.0'S	168 44.1'W	9	316.88	0081	5007.	119.	0000	26	1433	0	
CHN 100	10	0123	0000	14	71 916	7 15.7'S	168 27.6'W	9	316.88	0083	5768.	84.	0000	26	3359	0	

MARSDEN SQUARE #322

ATI 93	12	0046	0000	15	76 923	2 38.4'S	130 37.0'E	9	322.20	0028	1879.	623.	0000	17	0060	0	
ATI 93	12	0046	0000	26	76 923	2 38.4'S	130 37.0'E	9	322.20	0028	1879.	135.	0000	17	0010	0	
ATI 93	12	0045	0000	15	76 920	4 39.5'S	131 59.3'E	9	322.41	0027	585.	732.	0000	9	3470	0	
ATI 93	12	0043	0000	15	76 917	4 53.0'S	133 50.0'E	9	322.43	0026	2464.	569.	0000	5	1360	0	
ATI 93	12	0043	0000	26	76 917	4 53.0'S	133 50.0'E	9	322.43	0026	2464.	53.	0000	5	0010	0	
ATI 93	12	0040	0000	15	76 910	5 0.8'S	130 56.4'E	9	322.50	0023	7054.	1004.	0000	17	1830	0	
ATI 93	12	0041	0000	15	76 911	6 41.7'S	130 6.7'E	9	322.60	0024	5467.	763.	0000	17	1830	0	
ATI 93	12	0041	0000	26	76 911	6 41.7'S	130 6.7'E	9	322.60	0024	5467.	22.	0000	17	1800	0	
ATI 93	12	0042	0000	13	76 914	7 27.9'S	132 8.7'E	9	322.72	0025	1477.	20.	0000	17	3310	0	

MARSDEN SQUARE #323

ATI 93	12	0039	0000	15	76 9 9	3 39.8'S	129 50.5'E	9	323.39	0022	3926.	709.	0000	17	1840	0	
ATI 93	12	0039	0000	26	76 9 9	3 39.8'S	129 50.5'E	9	323.39	0022	3926.	54.	0000	17	1840	0	
ATI 93	13	0048	0000	15	761014	5 35.1'S	129 37.3'E	9	323.59	0030	2372.	706.	0000	21	1370	0	
ATI 93	13	0048	0000	26	761014	5 35.1'S	129 37.3'E	9	323.59	0030	2372.	110.	0000	21	1670	0	
ATI 93	12	0038	0000	15	76 9 5	9 5.5'S	127 51.4'E	9	323.97	0021	3282.	812.	0000	17	3300	0	
ATI 93	12	0038	0000	26	76 9 5	9 5.5'S	127 51.4'E	9	323.97	0021	3282.	85.	0000	17	3300	0	

MARSDEN SQUARE #325

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPT4	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PRDV.	ROCK OR SED. VITA TYPE CODE
AII	93	14	0063	0000	15	761120	8 31.6'S	108 39.6'E	9	325.88	0039	3563.	820.	0000	17	3110 0
AII	93	14	0063	0000	26	761120	8 31.6'S	108 39.6'E	9	325.88	0039	3563.	108.	0000	17	3110 0

MARSDEN SQUARE #328

AII	15	15	0769	0000	13	65 7 6	31 58.0'S	70 42.0'E	9	328.30	0769	5141.	123.	0000	15	0053 0
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MARSDEN SQUARE #329

CHN	43	1	0068	0000	15	64 528	1 2.5'S	61 12.0'E	1	329.11	0022	4565.	306.	0000	15	3449 41
CHN	43	1	0053	0000	13	64 517	7 16.4'S	60 32.0'E	1	329.70	0018	3791.	114.	0000	10	3569 41

MARSDEN SQUARE #330

CHN	43	1	0010	0000	13	64 4 8	0 22.0'S	54 33.0'E	1	330.04	0005	4864.	264.	0000	10	3029 41
CHN	100	4	0048	0000	15	71 420	0 14.5'S	56 3.5'E	1	330.06	0036	4576.	865.	0000	13	0731 0
CHN	100	4	0048	0000	26	71 420	0 14.5'S	56 3.5'E	1	330.06	0036	4576.	83.	0000	13	3029 0
AII	93	7	0036	0000	15	76 5 2	1 1.8'S	50 57.1'E	9	330.10	0019	5089.	827.	0000	10	3370 0
AII	93	7	0036	0000	26	76 5 2	1 1.8'S	50 57.1'E	9	330.10	0019	5089.	105.	0000	10	3342 0
CHN	43	1	0012	0000	13	64 4 9	1 38.0'S	53 20.0'E	1	330.13	0006	4787.	305.	0000	10	3569 41
AII	93	7	0037	0000	26	76 5 2	2 1.8'S	50 32.9'E	9	330.20	0020	5080.	156.	0000	10	3342 0
AII	93	7	0034	0000	15	76 5 1	2 3.8'S	52 23.9'E	9	330.22	0017	5115.	944.	0000	10	3340 0
AII	93	7	0034	0000	26	76 5 1	2 3.8'S	52 23.9'E	9	330.22	0017	5115.	138.	0000	10	3340 0
CHN	43	1	0015	0000	13	64 411	2 55.0'S	55 43.0'E	1	330.25	0008	3597.	301.	0000	10	3359 41
AII	93	7	0032	0000	15	76 418	7 16.5'S	50 8.9'E	9	330.70	0015	4444.	1123.	0000	10	3142 0
AII	93	7	0032	0000	26	76 418	7 16.5'S	50 8.9'E	9	330.70	0015	4444.	125.	0000	10	3060 0
AII	93	7	0026	0000	15	76 415	9 26.5'S	51 57.7'E	9	330.91	0009	4116.	1034.	0000	26	0062 0
AII	93	7	0026	0000	26	76 415	9 26.5'S	51 57.7'E	9	330.91	0009	4116.	113.	0000	26	0062 0
AII	93	7	0023	0000	15	76 414	9 28.5'S	52 23.8'E	9	330.92	0006	4196.	554.	0000	26	1432 0
AII	93	7	0023	0000	26	76 414	9 28.5'S	52 23.8'E	9	330.92	0006	4196.	108.	0000	26	0072 0
AII	93	7	0024	0000	15	76 414	9 33.2'S	52 31.5'E	9	330.92	0007	3726.	1180.	0000	26	3330 0
AII	93	7	0024	0000	26	76 414	9 33.2'S	52 31.5'E	9	330.92	0007	3726.	95.	0000	26	3320 0
AII	93	7	0025	0000	15	76 414	9 29.2'S	52 28.6'E	9	330.92	0008	3888.	1080.	0000	26	1360 0
AII	93	7	0025	0000	26	76 414	9 29.2'S	52 28.6'E	9	330.92	0008	3888.	104.	0000	26	3322 0
AII	93	7	0027	0000	15	76 415	9 24.8'S	52 1.5'E	9	330.92	0010	4129.	972.	0000	10	3070 0
AII	93	7	0027	0000	26	76 415	9 24.8'S	52 1.5'E	9	330.92	0010	4129.	89.	0000	10	0010 0
AII	93	7	0028	0000	15	76 415	9 28.4'S	52 9.9'E	9	330.92	0011	4154.	439.	0000	10	4342 0
AII	93	7	0028	0000	26	76 415	9 28.4'S	52 9.9'E	9	330.92	0011	4154.	85.	0000	10	0042 0
AII	93	7	0029	0000	15	76 416	9 30.7'S	52 26.3'E	9	330.92	0012	4148.	729.	0000	26	1120 0
AII	93	7	0029	0000	26	76 416	9 30.7'S	52 26.3'E	9	330.92	0012	4148.	125.	0000	26	0042 0
AII	93	7	0030	0000	15	76 416	9 32.5'S	52 28.6'E	9	330.92	0013	3975.	846.	0000	11	1362 0
AII	93	7	0030	0000	26	76 416	9 32.5'S	52 28.6'E	9	330.92	0013	3975.	112.	0000	11	3372 0
AII	93	7	0031	0000	15	76 417	9 29.9'S	52 22.9'E	9	330.92	0014	4471.	839.	0000	26	3160 0
AII	93	7	0031	0000	26	76 417	9 29.9'S	52 22.9'E	9	330.92	0014	4471.	94.	0000	26	0373 0

CC64

MARSDEN SQUARE #331

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN	99	8	0058	0000	26	701125	3 32.4'S	42 28.3'E	9	331.32	0039	3467.	133.	0000	6	3329	45
CHN	99	8	0059	0000	15	701126	3 24.0'S	45 0.5'E	9	331.35	0040	4444.	840.	0000	6	3569	40
CHN	99	8	0059	0000	26	701126	3 24.0'S	45 0.5'E	9	331.35	0040	4444.	178.	0000	6	3569	40
CHN	99	8	0060	0000	15	701128	3 30.6'S	47 0.4'E	9	331.37	0041	4832.	811.	0000	6	4831	0
CHN	99	8	0060	0000	26	701128	3 30.6'S	47 0.4'E	9	331.37	0041	4832.	176.	0000	6	3039	0
CHN	99	8	0061	0000	15	701129	3 25.6'S	49 49.2'E	9	331.39	0042	4890.	995.	0000	6	3831	0
CHN	99	8	0061	0000	26	701129	3 26.6'S	49 49.2'E	9	331.39	0042	4890.	188.	0000	6	3569	0
CHN	99	8	0062	0000	15	7012 1	6 46.4'S	48 41.8'E	9	331.68	0043	4425.	959.	0000	10	3732	0
CHN	99	8	0062	0000	26	7012 1	6 46.4'S	48 41.8'E	9	331.68	0043	4425.	157.	0000	6	1439	0
ATI	93	7	0033	0000	15	76 420	7 15.4'S	49 32.2'E	9	331.79	0016	2490.	275.	0000	10	4420	0

MARSDEN SQUARE #333

ZZZ	72	2	0001	0000	15	72 3 0	0 33.5'S	29 26.4'E	1	333.09	0001	20.	52.	0000	22	5025	0
ZZZ	72	2	0002	0000	15	72 3 0	0 29.2'S	29 27.8'E	1	333.09	0002	42.	322.	0000	22	5659	0
ZZZ	72	2	0003	0000	15	72 3 0	0 26.9'S	29 27.5'E	1	333.09	0003	55.	515.	0000	22	5279	0
ZZZ	72	2	0004	0000	15	72 3 0	0 21.1'S	29 27.0'E	1	333.09	0004	100.	541.	0000	22	5519	0
ZZZ	72	2	0005	0000	15	72 3 0	0 17.1'S	29 28.3'E	1	333.09	0005	110.	545.	0000	22	5519	0
ZZZ	71	0	0014	0000	15	71 311	1 56.0'S	28 59.0'E	2	333.18	0010	330.	500.	0000	22	2544	0
ZZZ	71	0	0004	0000	13	71 3 0	1 51.0'S	29 8.0'E	2	333.19	0002	420.	74.	0000	22	9469	0
ZZZ	71	0	0005	0000	13	71 3 0	1 53.0'S	29 5.0'E	2	333.19	0003	360.	54.	0000	22	5516	0
ZZZ	71	0	0007	0000	13	71 3 6	1 59.6'S	29 1.3'E	2	333.19	0004	248.	90.	0000	22	5529	0
ZZZ	71	0	0010	0000	15	71 310	1 45.8'S	29 10.2'E	2	333.19	0007	473.	350.	0000	22	5516	0
ZZZ	71	0	0011	0000	15	71 310	1 47.0'S	29 10.0'E	2	333.19	0008	450.	365.	0000	22	5826	0
ZZZ	71	0	0013	0000	15	71 311	1 48.9'S	29 10.9'E	2	333.19	0009	468.	275.	0000	22	5246	0
ZZZ	72	1	0003	0000	15	72 3 0	1 47.6'S	29 12.5'E	1	333.19	0002	420.	64.	0000	22	5835	0
ZZZ	72	1	0004	0000	15	72 3 0	1 47.6'S	29 12.5'E	1	333.19	0003	420.	950.	0000	22	0000	0
ZZZ	72	1	0010	0000	15	72 3 0	1 47.2'S	29 13.7'E	1	333.19	0005	400.	145.	0000	22	5816	0
ZZZ	72	1	0011	0000	15	72 3 0	1 45.1'S	29 15.7'E	1	333.19	0006	150.	158.	0000	22	5819	0
ZZZ	72	1	0012	0000	15	72 3 0	1 47.7'S	29 15.6'E	1	333.19	0007	200.	304.	0000	22	5816	0
ZZZ	72	1	0019	0000	15	72 3 0	1 37.5'S	29 3.6'E	1	333.19	0010	120.	234.	0000	22	2669	0
ZZZ	71	0	0001	0000	15	71 3 0	2 9.0'S	28 57.0'E	2	333.28	0001	210.	68.	0000	22	5519	0
ZZZ	72	1	0012	0000	15	72 3 0	2 25.9'S	28 51.6'E	1	333.28	0008	70.	452.	0000	22	5816	0
ZZZ	72	1	0015	0000	15	72 3 0	2 17.7'S	28 58.8'E	1	333.28	0009	50.	545.	0000	22	0000	0
ZZZ	71	0	0009	0000	15	71 3 9	2 14.0'S	29 7.0'E	2	333.29	0006	310.	400.	0000	22	5845	0
ZZZ	72	1	0001	0000	15	72 3 0	2 17.0'S	29 4.7'E	1	333.29	0001	225.	405.	0000	22	5619	0

MARSDEN SQUARE #334

CHN	99	3	0041	0000	15	70 6 5	8 40.4'S	10 26.7'E	9	334.80	0031	3855.	1144.	0000	6	8653	54
CHN	99	3	0041	0000	26	70 6 5	8 40.4'S	10 26.7'E	9	334.80	0031	3855.	124.	0000	6	2429	54
CHN	99	3	0042	0000	15	70 6 6	8 40.5'S	11 49.5'E	1	334.81	0032	1945.	633.	0000	6	3359	54
CHN	99	3	0046	0000	15	70 6 6	8 50.5'S	11 49.2'E	9	334.81	0033	2209.	1019.	0000	6	0129	54
CHN	99	3	0046	0000	26	70 6 6	8 50.5'S	11 49.2'E	9	334.81	0033	2209.	155.	0000	6	4429	54

MARSDEN SQUARE #335

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE	PHYSIO- GRAPHIC PROV.	ROCK OR SED. VITA TYPE CODE
												DEPTH	WEIGHT		
CHN 99	3	0037	0000	15	70 6 2	8 38.0'S	2 4.5'E	9	335.82	0027	5658.	1104.	0000	10	4639 54
CHN 99	3	0037	0000	26	70 6 2	8 38.0'S	2 4.5'E	9	335.82	0027	5658.	186.	0000	10	5029 54
CHN 99	3	0038	0000	15	70 6 3	8 37.1'S	4 24.8'E	1	335.84	0028	5371.	1175.	0000	10	1522 54
CHN 99	3	0038	0000	26	70 6 3	8 37.1'S	4 24.8'E	1	335.84	0028	5371.	183.	0000	10	5632 54
CHN 99	3	0039	0000	15	70 6 3	8 42.7'S	6 30.0'E	1	335.86	0029	4938.	1111.	0000	10	2811 54
CHN 99	3	0039	0000	26	70 6 3	8 42.7'S	6 30.0'E	1	335.86	0029	4938.	187.	0000	10	6129 54
CHN 99	3	0040	0000	15	70 6 4	8 41.0'S	8 31.0'E	1	335.88	0030	4515.	1163.	0000	10	6429 54
CHN 99	3	0040	0000	26	70 6 4	8 41.0'S	8 31.0'E	1	335.88	0030	4515.	185.	0000	10	6429 54

MARSDEN SQUARE #344

KNR 73	4	0001	0000	15	78 4 9	10 17.2'S	86 23.5'W	1	344.06	0001	4289.	702.	0000	11	6543 0
KNR 73	4	0001	0000	26	78 4 9	10 17.2'S	86 23.5'W	1	344.06	0001	4289.	135.	0000	11	6642 0

MARSDEN SQUARE #346

CHN 100	11	0139	0000	15	711022	10 22.1'S	101 2.2'W	9	346.01	0093	4274.	818.	0000	10	3122 0
CHN 100	11	0139	0000	26	711022	10 22.1'S	101 2.2'W	9	346.01	0093	4274.	143.	0000	10	3422 0
CHN 100	11	0138	0000	15	711021	10 22.0'S	102 38.0'W	1	346.02	0092	4287.	600.	0000	10	1159 0
CHN 100	11	0138	0000	26	711021	10 22.0'S	102 38.0'W	1	346.02	0092	4287.	70.	0000	10	1159 0
CHN 100	11	0137	0000	15	711021	10 23.2'S	103 48.2'W	1	346.03	0091	4228.	757.	0000	10	1329 0
CHN 100	11	0137	0000	26	711021	10 23.2'S	103 48.2'W	1	346.03	0091	4228.	133.	0000	10	1459 0
CHN 100	11	0136	0000	15	711020	10 23.9'S	105 30.0'W	1	346.05	0090	3861.	609.	0000	15	3422 0
CHN 100	11	0136	0000	26	711020	10 23.9'S	105 30.0'W	1	346.05	0090	3861.	154.	0000	15	3322 0

MARSDEN SQUARE #354

CHN 100	9	0096	0000	15	71 8 21	13 20.0'S	170 35.4'E	9	354.30	0066	3385.	558.	0000	21	3560 0
CHN 100	9	0096	0000	26	71 8 21	13 20.0'S	170 35.4'E	9	354.30	0066	3385.	123.	0000	21	3569 0
CHN 100	9	0097	0000	15	71 8 22	14 48.8'S	170 44.7'E	9	354.40	0067	3515.	360.	0000	21	0931 0
CHN 100	9	0097	0000	26	71 8 22	14 48.8'S	170 44.7'E	9	354.40	0067	3515.	35.	0000	21	3569 0
CHN 100	9	0101	0000	15	71 8 24	15 28.6'S	171 22.5'E	9	354.51	0070	3312.	535.	0000	21	3931 0
CHN 100	9	0101	0000	26	71 8 24	15 28.6'S	171 22.5'E	9	354.51	0070	3312.	114.	0000	21	3560 0
CHN 100	9	0102	0000	15	71 8 24	15 41.6'S	172 8.3'E	9	354.52	0071	3300.	442.	0000	21	3560 0
CHN 100	9	0102	0000	26	71 8 24	15 41.6'S	172 8.3'E	9	354.52	0071	3300.	145.	0000	21	3560 0
CHN 100	9	0078	0000	15	71 8 6	16 55.8'S	170 59.0'E	1	354.60	0055	3316.	553.	0000	21	0931 0
CHN 100	9	0078	0000	26	71 8 6	16 55.8'S	170 59.0'E	1	354.60	0055	3316.	126.	0000	21	0229 0
CHN 100	9	0077	0000	15	71 8 5	17 10.6'S	170 8.7'E	1	354.70	0054	3069.	508.	0000	21	0932 0

MARSDEN SQUARE #355

CHN 100	9	0092	0000	15	71 8 18	11 32.5'S	167 34.7'E	9	355.17	0063	2640.	550.	0000	21	3560 0
CHN 100	9	0092	0000	26	71 8 18	11 32.5'S	167 34.7'E	9	355.17	0063	2640.	152.	0000	21	3929 0
CHN 100	9	0095	0000	15	71 8 20	11 57.1'S	169 34.1'E	9	355.19	0065	3280.	487.	0000	21	3931 0
CHN 100	9	0095	0000	26	71 8 20	11 57.1'S	169 34.1'E	9	355.19	0065	3280.	143.	0000	21	3929 0
CHN 100	9	0094	0000	15	71 8 19	12 11.4'S	167 13.4'E	9	355.27	0064	1805.	298.	0000	21	3931 0

MARSDEN SQUARE #355

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PRIV.	ROCK OR SED. TYPE	VITA CODE
CHN 100	9	0094	0000	26	71	819	12 11.4'S	167 13.4'E	9	355.27	0064	1805.	144.	0000	21	3327	0
CHN 100	9	0087	0000	15	71	814	12 50.7'S	168 38.1'E	9	355.28	0060	3473.	855.	0000	21	3961	0
CHN 100	9	0087	0000	26	71	814	12 50.7'S	168 38.1'E	9	355.28	0060	3473.	152.	0000	21	3569	0
CHN 100	9	0089	0000	15	71	815	13 33.8'S	166 16.5'E	9	355.36	0062	5851.	285.	0000	21	1931	0
CHN 100	9	0088	0000	15	71	815	13 4.5'S	167 52.0'E	9	355.37	0061	2811.	520.	0000	21	3568	0
CHN 100	9	0088	0000	26	71	815	13 4.5'S	167 52.0'E	9	355.37	0061	2811.	120.	0000	21	3568	0
CHN 100	9	0071	0000	15	71	728	14 15.1'S	163 53.7'E	9	355.43	0049	3800.	1018.	0000	21	3420	0
CHN 100	8	0071	0000	26	71	728	14 15.1'S	163 53.7'E	9	355.43	0049	3800.	133.	0000	21	4339	0
CHN 100	8	0072	0000	15	71	728	14 4.9'S	164 30.0'E	9	355.44	0050	3903.	944.	0000	21	3519	0
CHN 100	8	0072	0000	26	71	728	14 4.9'S	164 30.0'E	9	355.44	0050	3903.	150.	0000	21	3511	0
CHN 100	9	0098	0000	15	71	822	14 1.5'S	169 51.1'E	9	355.49	0068	3670.	390.	0000	21	3560	0
CHN 100	9	0098	0000	26	71	822	14 1.5'S	169 51.1'E	9	355.49	0068	3670.	147.	0000	21	3560	0
CHN 100	9	0099	0000	15	71	823	14 55.4'S	169 10.8'E	9	355.49	0069	3248.	330.	0000	21	0931	0
CHN 100	9	0099	0000	26	71	823	14 55.4'S	169 10.8'E	9	355.49	0069	3248.	137.	0000	21	0931	0
CHN 100	9	0082	0000	15	71	810	15 56.4'S	169 41.2'E	1	355.59	0058	3237.	119.	0000	21	9959	0
CHN 100	9	0082	0000	26	71	810	15 56.4'S	169 41.2'E	1	355.59	0058	3237.	45.	0000	21	1931	0
CHN 100	9	0084	0000	15	71	811	16 16.3'S	166 11.7'E	9	355.66	0050	4490.	862.	0000	17	1328	0
CHN 100	9	0084	0000	26	71	811	16 16.3'S	166 11.7'E	9	355.66	0050	4490.	148.	0000	17	6120	0
CHN 100	9	0076	0000	15	71	8 5	17 28.3'S	169 15.8'E	1	355.79	0053	1971.	173.	0000	21	0939	0
CHN 100	9	0076	0000	26	71	8 5	17 28.3'S	169 15.8'E	1	355.79	0053	1971.	142.	0000	21	0949	0
CHN 100	8	0074	0000	15	71	730	18 28.7'S	166 4.8'E	1	355.86	0051	4437.	1143.	0000	21	0967	0
CHN 100	8	0074	0000	26	71	730	18 28.7'S	166 4.8'E	1	355.86	0051	4437.	125.	0000	21	0964	0
CHN 100	8	0075	0000	15	71	731	18 13.5'S	166 41.7'E	9	355.86	0052	4348.	1074.	0000	21	1629	0
CHN 100	8	0075	0000	26	71	731	18 13.5'S	166 41.7'E	9	355.86	0052	4348.	152.	0000	21	0969	0
CHN 100	9	0079	0000	15	71	8 8	18 33.8'S	167 15.9'E	1	355.87	0056	4526.	335.	0000	17	4934	0
CHN 100	9	0080	0000	15	71	8 8	18 3.4'S	167 11.4'E	1	355.87	0057	4215.	541.	0000	17	3120	0
CHN 100	9	0080	0000	26	71	8 8	18 3.4'S	167 11.4'E	1	355.87	0057	4215.	98.	0000	17	3120	0

MARSDEN SQUARE #356

CHN 100	8	0070	0000	15	71	727	10 13.5'S	157 6.8'E	90	356.07	0048	5140.	597.	0000	21	3148	0
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MARSDEN SQUARE #360

AII 93	14	0055	0000	15	761111	11 52.5'S	112 40.5'E	1	360.12	0035	3494.	659.	0000	6	3372	0
AII 93	14	0055	0000	26	761111	11 52.5'S	112 40.5'E	1	360.12	0035	3494.	88.	0000	6	3312	0
AII 93	14	0058	0000	15	761112	13 0.4'S	112 34.5'E	1	360.12	0036	5222.	312.	0000	6	1061	0
AII 93	14	0058	0000	26	761112	13 0.4'S	112 34.5'E	1	360.12	0036	5222.	16.	0000	6	0000	0
AII 93	14	0052	0000	15	7611 5	11 19.2'S	114 57.5'E	9	360.14	0033	6051.	710.	0000	17	6372	0
AII 93	14	0052	0000	26	7611 5	11 19.2'S	114 57.5'E	9	360.14	0033	6051.	37.	0000	17	6605	0
AII 93	14	0049	0000	15	7611 3	13 22.4'S	117 53.1'E	9	360.37	0031	5698.	580.	0000	10	1372	0
AII 93	14	0049	0000	26	7611 3	13 22.4'S	117 53.1'E	9	360.37	0031	5698.	141.	0000	10	1652	0
AII 93	14	0050	0000	15	7611 3	13 22.4'S	117 53.1'E	9	360.37	0032	5698.	896.	0000	10	0062	0
AII 93	14	0050	0000	26	7611 3	13 22.4'S	117 53.1'E	9	360.37	0032	5698.	135.	0000	10	6340	0
AII 93	14	0059	0000	15	761113	14 37.0'S	113 36.0'E	1	360.43	0037	3076.	229.	0000	10	1879	0
AII 93	14	0050	0000	15	761114	16 26.2'S	114 51.3'E	9	360.64	0038	2636.	0.	0000	13	0000	0
AII 93	14	0054	0000	15	7611 7	16 37.0'S	117 57.0'E	1	360.67	0034	3212.	150.	0000	10	3310	0
AII 93	14	0054	0000	26	7611 7	16 37.0'S	117 57.0'E	1	360.67	0034	3212.	16.	0000	10	0000	0

CC67

MARSDEN SQUARE #360

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE #365

CHN	43	1	0028	0000	13	64 427	14 15.0'S	62 51.0'E	1	365.42	0013	3820.	107.	0000	10	3569	41
CHN	43	1	0027	0000	13	64 427	17 22.0'S	60 24.0'E	1	365.70	0012	3881.	135.	0000	13	0329	41

MARSDEN SQUARE #366

AII	93	7	0022	0000	15	76 411	11 1.2'S	54 29.9'E	9	366.14	0005	4599.	1088.	0000	10	0042	0
AII	93	7	0022	0000	26	76 411	11 1.2'S	54 29.9'E	9	366.14	0005	4597.	77.	0000	10	0042	0
CHN	43	1	0030	0000	13	64 430	11 30.0'S	58 24.0'E	1	366.18	0014	4095.	262.	0000	10	3469	41
AII	93	7	0021	0000	15	76 410	15 17.4'S	53 31.5'E	9	366.53	0004	4641.	970.	0000	10	3340	0
CHN	43	1	0023	0000	13	64 423	17 27.0'S	58 5.5'E	1	366.78	0011	4038.	127.	0000	13	3329	41
CHN	43	1	0033	0000	13	64 5 2	18 4.0'S	58 24.0'E	1	366.88	0016	3869.	153.	0000	13	0329	41
AII	15	13	0737	0000	13	65 612	19 59.5'S	50 6.5'E	9	365.90	0737	4356.	80.	0000	6	0459	0
AII	15	13	0733	0000	13	65 611	19 56.0'S	55 17.0'E	9	366.95	0733	4382.	39.	0000	10	4869	0
AII	15	13	0732	0000	13	65 611	19 53.0'S	56 48.0'E	9	366.96	0732	4382.	118.	0000	10	0362	0

MARSDEN SQUARE #367

AII	15	7	0673	0000	13	65 5 5	10 44.0'S	40 54.0'E	9	367.00	0673	1210.	10.	0000	4	0000	0
CHN	99	8	0063	0000	15	7012 2	10 53.0'S	47 37.7'E	9	367.07	0044	4005.	858.	0000	6	3839	0
CHN	99	8	0063	0000	26	7012 2	10 53.0'S	47 37.7'E	9	367.07	0044	4005.	47.	0000	6	3359	0
CHN	99	8	0070	0000	15	701213	11 30.8'S	41 50.1'E	9	367.11	0051	2151.	860.	0000	20	3039	0
CHN	99	8	0070	0000	26	701213	11 30.8'S	41 50.1'E	9	367.11	0051	2151.	35.	0000	20	3329	0
AII	15	7	0675	0000	13	65 5 6	11 39.5'S	43 7.0'E	9	367.13	0675	2379.	0.	0000	6	0000	0
CHN	99	8	0065	0000	15	7012 5	12 59.1'S	41 36.7'E	9	367.21	0046	3540.	895.	0000	20	3721	0
CHN	99	8	0065	0000	26	7012 5	12 59.1'S	41 36.7'E	9	367.21	0046	3540.	59.	0000	20	3339	0
CHN	99	8	0065	0000	15	7012 6	13 11.3'S	41 23.9'E	9	367.31	0047	2350.	875.	0000	20	3359	0
CHN	99	8	0066	0000	26	7012 6	13 11.3'S	41 23.9'E	9	367.31	0047	2350.	158.	0000	20	3359	0
CHN	99	8	0064	0000	15	7012 3	13 18.2'S	46 58.5'E	9	367.36	0045	3243.	693.	0000	6	3819	0
CHN	99	8	0064	0000	26	7012 3	13 18.2'S	46 58.5'E	9	367.36	0045	3243.	107.	0000	6	3731	0
CHN	99	8	0067	0000	15	7012 7	14 53.3'S	45 40.6'E	9	367.45	0048	2941.	804.	0000	20	2329	0
CHN	99	8	0067	0000	26	7012 7	14 53.3'S	45 40.6'E	9	367.45	0048	2941.	57.	0000	20	3429	0
CHN	99	8	0069	0000	15	701211	15 25.6'S	41 33.6'E	9	367.51	0050	2085.	151.	0000	20	7828	0
CHN	99	8	0068	0000	15	7012 9	16 4.2'S	41 33.2'E	9	367.61	0049	2758.	840.	0000	12	3731	0
CHN	99	8	0068	0000	26	7012 9	16 4.2'S	41 33.2'E	9	367.61	0049	2758.	183.	0000	12	4831	0

MARSDEN SQUARE #370

CHN	99	4	0048	0000	15	70 613	11 5.0'S	10 44.0'E	9	370.10	0034	3961.	1122.	0000	10	4229	54
CHN	99	4	0048	0000	26	70 613	11 5.0'S	10 44.0'E	9	370.10	0034	3961.	188.	0000	10	3439	54
CHN	99	4	0049	0000	15	70 616	19 0.7'S	10 4.0'E	1	370.90	0035	4130.	973.	0000	13	0629	54
CHN	99	4	0049	0000	26	70 616	19 0.7'S	10 4.0'E	1	370.90	0035	4130.	137.	0000	13	0429	54

MARSDEN SQUARE #371

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	CORE OR DREDGE DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 99	4	0051	0000	15	70 617	19 58.4'S	9 21.8'E	1	371.99	0037	2324.	949.	0000	13	3329	54

MARSDEN SQUARE #374

CHN 115	5	0091	0000	15	74 411	24 12.8'S	29 6.4'W	9	374.49	0050	5460.	173.	0000	10	8140	53
CHN 115	5	0090	0000	13	74 411	25 17.1'S	28 22.2'W	9	374.58	0049	5355.	141.	0000	10	1439	0
CHN 115	5	0089	0000	15	74 410	26 51.2'S	27 23.4'W	9	374.67	0048	5933.	891.	0000	10	5130	53
CHN 115	5	0089	0000	26	74 410	26 51.2'S	27 23.4'W	9	374.67	0048	5933.	158.	0000	10	1620	53
CHN 115	5	0088	0000	13	74 4 9	28 31.5'S	26 22.3'W	9	374.86	0047	4826.	105.	0000	10	4869	53
CHN 115	5	0087	0000	13	74 4 9	29 53.4'S	25 29.6'W	9	374.95	0046	4833.	156.	0000	10	4329	53

MARSDEN SQUARE #375

CHN 115	5	0093	0000	13	74 412	23 56.6'S	31 12.0'W	9	375.31	0052	5179.	121.	0000	10	1629	53
CHN 115	5	0094	0000	13	74 413	23 49.0'S	33 13.5'W	9	375.33	0053	4757.	117.	0000	10	1239	53
CHN 115	5	0095	0000	13	74 414	23 39.2'S	35 13.6'W	9	375.35	0054	4153.	124.	0000	6	3166	53
CHN 115	5	0096	0000	13	74 414	23 27.5'S	37 4.1'W	9	375.37	0055	3944.	110.	0000	6	3833	41
CHN 115	5	0097	0000	13	74 415	23 21.6'S	39 1.9'W	9	375.39	0056	3206.	5.	0000	6	0000	53
CHN 115	5	0092	0000	13	74 412	24 0.5'S	30 10.4'W	9	375.40	0051	5313.	118.	0000	10	1943	0
AII 107	9	0108	0000	15	80 628	25 44.1'S	36 56.6'W	9	375.56	0038	4210.	204.	0000	10	1139	0
AII 107	9	0109	0000	17	80 628	25 40.4'S	36 53.8'W	9	375.56	0039	4219.	295.	0000	10	1339	0
AII 107	9	0110	0000	15	80 628	25 38.2'S	36 52.1'W	1	375.56	0040	4219.	1149.	0000	10	1423	0
AII 107	9	0110	0000	24	80 628	25 38.2'S	36 52.1'W	1	375.56	0040	4219.	0.	0162	10	4339	0
AII 60	2	0007	0000	15	71 226	26 39.9'S	34 0.4'W	9	375.64	0007	4626.	164.	0000	10	1937	0
AII 107	9	0111	0000	17	80 629	27 53.3'S	37 13.1'W	9	375.77	0041	4684.	290.	0000	16	1821	0
AII 107	9	0112	0000	15	80 629	27 48.8'S	37 11.8'W	9	375.77	0042	4562.	1043.	0000	16	1433	0
AII 107	9	0112	0000	26	80 629	27 48.8'S	37 11.8'W	9	375.77	0042	4562.	0.	0108	16	1829	0
AII 107	9	0113	0000	17	80 630	28 35.4'S	35 46.5'W	9	375.85	0043	4316.	254.	0000	10	3432	0
AII 107	9	0114	0000	15	80 630	28 36.4'S	35 47.8'W	9	375.85	0044	4295.	755.	0000	10	3319	0
AII 107	9	0114	0000	26	80 630	28 36.4'S	35 47.8'W	9	375.85	0044	4295.	0.	0033	10	3359	0
AII 107	9	0115	0000	15	80 7 1	28 6.2'S	35 16.7'W	1	375.85	0045	4427.	1043.	0000	10	3721	0
AII 107	9	0115	0000	26	80 7 1	28 6.2'S	35 16.7'W	1	375.85	0045	4427.	0.	0156	10	3429	0
AII 107	9	0116	0000	17	80 7 1	28 10.3'S	35 17.7'W	9	375.85	0046	4424.	265.	0000	10	3412	0
AII 107	9	0117	0000	17	80 7 1	28 24.9'S	35 1.3'W	9	375.85	0047	4372.	37.	0000	10	3739	0
AII 107	9	0118	0000	13	80 7 1	28 27.1'S	35 14.9'W	9	375.85	0048	4383.	979.	0000	10	3735	0
AII 60	2	0009	0000	15	71 228	29 7.5'S	34 35.9'W	9	375.94	009A	3273.	223.	0000	13	3327	41
AII 60	2	0009	0000	13	71 228	29 3.4'S	34 42.3'W	9	375.94	009B	2990.	273.	0000	13	3329	0
AII 60	2	0010	0000	15	71 228	29 39.6'S	34 40.0'W	9	375.94	0010	1840.	120.	0000	13	3329	41
CHN 115	6	0111	0000	15	74 430	29 57.8'S	35 33.8'W	9	375.95	0067	2195.	716.	0000	13	3359	53
CHN 115	6	0112	0000	15	74 430	29 57.9'S	35 33.6'W	1	375.95	0068	2192.	193.	0000	13	3359	53
CHN 115	6	0115	0000	15	74 5 2	29 57.2'S	35 32.9'W	1	375.95	0070	2340.	532.	0000	13	3359	53
CHN 115	6	0115	0000	26	74 5 2	29 57.2'S	35 32.9'W	1	375.95	0070	2340.	105.	0000	13	3359	53
CHN 115	6	0116	0000	15	74 5 3	29 57.0'S	35 33.7'W	1	375.95	0071	2235.	532.	0000	13	3359	58
CHN 115	6	0117	0000	15	74 5 3	29 57.5'S	35 33.8'W	1	375.95	0072	2209.	475.	0000	13	3729	0
CHN 115	6	0118	0000	15	74 5 3	29 59.4'S	35 33.9'W	1	375.95	0073	2150.	704.	0000	13	3739	0
CHN 115	6	0119	0000	15	74 5 3	29 57.9'S	35 33.9'W	9	375.95	0074	2192.	736.	0000	13	3359	0
CHN 115	6	0120	0000	15	74 5 3	29 58.6'S	35 32.9'W	1	375.95	0075	2260.	685.	0000	13	3325	0
CHN 115	6	0120	0000	26	74 5 3	29 58.6'S	35 32.9'W	1	375.95	0075	2260.	80.	0000	13	3350	0

MARSDEN SQUARE #375

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 115	6	0121	0000	15	74 5 4	29 56.2'S	35 33.0'W	1	375.95	0076	2315.	671.	0000	13	3329	0
CHN 115	6	0122	0000	15	74 5 4	29 57.7'S	35 34.7'W	9	375.95	0077	2330.	423.	0000	13	3729	40
CHN 115	6	0123	0000	15	74 5 4	29 57.1'S	35 33.8'W	9	375.95	0078	2233.	730.	0000	13	3359	0
CHN 115	6	0124	0000	15	74 5 4	29 57.6'S	35 33.7'W	1	375.95	0079	2214.	682.	0000	13	3339	0
CHN 115	6	0124	0000	26	74 5 4	29 57.6'S	35 33.7'W	1	375.95	0079	2214.	24.	0000	13	3359	0
CHN 115	6	0125	0000	15	74 5 5	29 56.3'S	35 33.6'W	1	375.95	0080	2293.	462.	0000	13	3731	0
CHN 115	6	0125	0000	26	74 5 5	29 56.3'S	35 33.6'W	1	375.95	0080	2293.	80.	0000	13	3739	0
CHN 115	6	0126	0000	15	74 5 5	29 57.6'S	35 34.3'W	9	375.95	0081	2237.	276.	0000	13	3730	53
CHN 115	6	0127	0000	15	74 5 6	29 56.7'S	35 33.5'W	9	375.95	0082	2259.	516.	0000	13	3739	58
CHN 115	6	0128	0000	15	74 5 6	29 58.0'S	35 33.7'W	1	375.95	0083	2189.	651.	0000	13	3739	58
CHN 115	6	0129	0000	15	74 5 6	29 59.7'S	35 33.5'W	1	375.95	0084	2110.	667.	0000	13	3359	0
CHN 115	6	0130	0000	15	74 5 6	29 59.3'S	35 33.6'W	1	375.95	0085	2130.	740.	0000	13	3359	0
CHN 115	6	0131	0000	15	74 5 6	30 0.1'S	35 33.7'W	1	375.95	0086	2090.	740.	0000	13	3359	0
CHN 115	6	0131	0000	26	74 5 6	30 0.1'S	35 33.7'W	1	375.95	0086	2090.	36.	0000	13	3739	0
CHN 115	6	0134	0000	15	74 5 7	29 46.3'S	35 36.0'W	9	375.95	0087	2302.	2.	0000	13	0000	0

MARSDEN SQUARE #376

CHN 115	5	0098	0000	13	74 415	23 5.8'S	40 9.1'W	9	376.30	0057	2595.	105.	0000	4	3821	53
CHN 115	5	0099	0000	13	74 416	24 16.8'S	41 37.9'W	9	376.41	0058	1922.	45.	0000	4	3359	53
CHN 115	6	0102	0000	15	74 424	29 20.8'S	40 5.8'W	1	376.90	0059	4188.	753.	0000	13	4333	53
CHN 115	6	0102	0000	26	74 424	29 20.8'S	40 5.8'W	1	376.90	0059	4188.	52.	0000	13	3353	53

MARSDEN SQUARE #401

AII 93	6	0019	0000	13	76 330	25 34.5'S	69 56.0'E	9	401.59	0002	3661.	120.	0000	16	3340	0
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MARSDEN SQUARE #402

AII 15	13	0735	0000	13	65 612	20 2.0'S	52 29.0'E	9	402.02	0735	4936.	50.	0000	10	3352	0
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MARSDEN SQUARE #403

AII 15	13	0745	0000	13	65 615	24 59.0'S	47 45.0'E	9	403.47	0745	3269.	22.	0000	4	3969	0
AII 15	13	0744	0000	13	65 615	24 54.0'S	48 11.0'E	9	403.48	0744	4039.	138.	0000	6	0059	0
AII 15	13	0746	0000	13	65 616	25 3.1'S	47 26.4'E	9	403.57	0746	1307.	72.	0000	4	0059	0
AII 15	14	0751	0000	13	65 618	26 7.0'S	41 16.0'E	9	403.61	0751	4243.	60.	0000	6	4452	0
AII 15	14	0748	0000	13	65 617	26 1.0'S	43 57.0'E	9	403.63	0748	2943.	78.	0000	6	3059	0
AII 15	14	0747	0000	13	65 616	26 1.0'S	44 32.0'E	9	403.64	0747	1286.	0.	0000	4	0000	0

MARSDEN SQUARE #404

AII 15	14	0758	0000	13	65 620	25 56.0'S	34 45.0'E	9	404.54	0758	792.	25.	0000	4	3869	0
AII 15	14	0755	0000	13	65 619	25 56.5'S	36 42.0'E	9	404.56	0755	1948.	20.	0000	6	0000	0
AII 15	14	0756	0000	13	65 619	25 54.0'S	36 9.0'E	9	404.56	0756	1840.	53.	0000	6	3359	0

MARSDEN SQUARE #404

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
ATI	15	14	0753	0000	13	65 618	25 55.0'S	38 53.0'E	9	404.58	0753	3884.	80.	0000	6	4459	0

MARSDEN SQUARE #406

CHN	115	2	0020	0000	15	731229	22 16.0'S	12 32.3'E	9	406.22	0012	1017.	620.	0000	4	3350	0
CHN	115	2	0020	0000	26	731229	22 16.0'S	12 32.3'E	9	406.22	0012	1017.	92.	0000	4	3350	0
CHN	115	2	0022	0000	14	731230	22 30.0'S	12 8.4'E	1	406.22	0014	2429.	53.	0000	6	3560	0
CHN	115	2	0021	0000	15	731229	23 31.4'S	12 14.9'E	9	406.32	0013	2132.	510.	0000	6	3560	0
CHN	115	2	0021	0000	26	731229	23 31.4'S	12 14.9'E	9	406.32	0013	2132.	76.	0000	6	3569	0
CHN	115	2	0023	0000	14	74 1 1	24 4.2'S	12 39.4'E	9	406.42	0015	2199.	83.	0000	6	3350	0
CHN	115	2	0023	0000	15	74 1 1	24 4.2'S	12 39.4'E	9	406.42	0016	2199.	813.	0000	6	3569	0
CHN	115	2	0023	0000	26	74 1 1	24 4.2'S	12 39.4'E	9	406.42	0016	2199.	77.	0000	6	3359	0
CHN	115	2	0024	0000	15	74 1 2	25 0.3'S	10 40.3'E	1	406.50	0017	4254.	872.	0000	6	3032	0
CHN	115	2	0024	0000	26	74 1 2	25 0.3'S	10 40.3'E	1	406.50	0017	4254.	100.	0000	6	3530	0

MARSDEN SQUARE #407

CHN	99	4	0050	0000	15	70 617	20 49.0'S	9 56.3'E	1	407.09	0036	2540.	1038.	0000	13	3329	54
CHN	99	4	0050	0000	26	70 617	20 49.0'S	9 56.3'E	1	407.09	0036	2540.	177.	0000	13	0329	54
CHN	99	4	0052	0000	15	70 619	21 44.8'S	8 30.0'E	1	407.18	0038	4331.	931.	0000	13	3721	54
CHN	99	4	0052	0000	26	70 619	21 44.8'S	8 30.0'E	1	407.18	0038	4331.	184.	0000	13	0039	54
CHN	115	2	0027	0000	15	74 1 4	25 2.4'S	7 47.4'E	1	407.57	0020	4738.	321.	0000	10	1330	0
CHN	115	2	0027	0000	26	74 1 4	25 2.4'S	7 47.4'E	1	407.57	0020	4738.	107.	0000	10	1329	0
CHN	115	2	0029	0000	15	74 1 5	25 3.8'S	7 50.3'E	9	407.57	0023	4792.	877.	0000	10	3339	0
CHN	115	2	0026	0000	15	74 1 3	25 25.7'S	9 15.1'E	9	407.59	0019	4685.	475.	0000	10	3139	0

MARSDEN SQUARE #408

CHN	115	5	0069	0000	15	74 4 1	32 16.4'S	5 4.5'W	9	408.25	0039	4018.	491.	0000	10	3359	53
CHN	115	5	0069	0000	26	74 4 1	32 16.4'S	5 4.5'W	9	408.25	0039	4018.	121.	0000	10	3359	53
CHN	115	5	0071	0000	15	74 4 2	32 8.7'S	9 7.9'W	9	408.29	0040	4080.	485.	0000	10	3359	53
CHN	115	5	0071	0000	26	74 4 2	32 8.7'S	9 7.9'W	9	408.29	0040	4080.	146.	0000	10	3350	53

MARSDEN SQUARE #409

CHN	115	5	0077	0000	13	74 4 5	31 49.9'S	17 14.5'W	9	409.17	0041	3700.	53.	0000	15	3359	53
CHN	115	5	0080	0000	15	74 4 6	31 46.6'S	19 5.0'W	9	409.19	0042	3815.	502.	0000	15	0329	53

MARSDEN SQUARE #410

CHN	115	5	0084	0000	15	74 4 7	31 43.5'S	20 52.4'W	9	410.10	0043	4141.	699.	0000	15	3339	53
CHN	115	5	0084	0000	26	74 4 7	31 43.5'S	20 52.4'W	9	410.10	0043	4141.	117.	0000	15	3359	53
CHN	115	5	0085	0000	15	74 4 7	31 36.5'S	22 26.7'W	9	410.12	0044	4411.	880.	0000	10	3512	53
CHN	115	5	0085	0000	26	74 4 7	31 36.5'S	22 26.7'W	9	410.12	0044	4411.	99.	0000	10	3352	53
CHN	115	5	0085	0000	15	74 4 8	31 31.1'S	24 26.4'W	9	410.14	0045	4305.	591.	0000	10	3322	53

MARSDEN SQUARE #410

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	CORE OR DREDGE DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID- OR GRAPHIC PROV.	ROCK SED. TYPE	VITA CODE
CHN 115	5	0086	0000	26	74 4 8	31 31.1'S	24 26.4'W	9	410.14	0045	4305.	152.	0000	10	3359	53

MARSDEN SQUARE #411

AII 107	9	0123	0000	17	80 7 3	30 14.5'S	35 16.9'W	9	411.05	0053	1358.	12.	0000	13	3359	0
AII 107	9	0124	0000	17	80 7 3	30 21.9'S	35 9.6'W	9	411.05	0054	1345.	0.	0000	13	0000	0
AII 107	9	0126	0000	17	80 7 3	30 19.5'S	35 11.4'W	9	411.05	0056	1268.	0.	0000	13	0000	0
AII 107	9	0157	0000	13	80 7 7	30 58.6'S	35 57.2'W	1	411.05	0087	735.	0.	0000	13	0000	0
CHN 115	6	0108	0000	15	74 429	30 0.0'S	35 33.8'W	1	411.05	0064	2100.	847.	0000	13	3359	53
CHN 115	6	0109	0000	15	74 429	30 0.3'S	35 31.5'W	1	411.05	0065	2343.	523.	0000	13	3739	53
CHN 115	6	0109	0000	26	74 429	30 0.3'S	35 31.5'W	1	411.05	0065	2343.	5.	0000	13	0000	53
CHN 115	6	0110	0000	15	74 430	29 59.8'S	35 34.4'W	1	411.05	0066	2158.	316.	0000	13	7329	0
AII 107	9	0177	0000	17	80 710	30 52.7'S	37 48.3'W	1	411.07	0107	2795.	63.	0000	26	3329	0
AII 107	9	0178	0000	15	80 710	30 52.9'S	37 45.9'W	9	411.07	0108	2772.	0.	0000	26	0000	0
AII 107	9	0180	0000	17	80 711	30 48.6'S	37 47.4'W	9	411.07	0110	2661.	163.	0000	26	3329	0
AII 107	9	0181	0000	17	80 711	30 49.4'S	37 57.7'W	9	411.07	0111	2857.	10.	0000	26	3329	0
AII 107	9	0182	0000	17	80 711	30 48.9'S	37 58.7'W	9	411.07	0112	2874.	127.	0000	26	3329	0
AII 107	9	0200	0000	15	80 713	30 51.9'S	37 57.0'W	9	411.07	0130	2840.	148.	0000	26	3337	0
AII 107	9	0183	0000	17	80 711	30 48.6'S	38 2.9'W	1	411.08	0113	2990.	177.	0000	26	3329	0
AII 107	9	0184	0000	17	80 711	30 48.6'S	38 4.8'W	1	411.08	0114	3075.	215.	0000	26	3329	0
AII 107	9	0185	0000	17	80 711	30 49.9'S	38 10.4'W	9	411.08	0115	3167.	218.	0000	26	3332	0
AII 107	9	0186	0000	17	80 711	30 50.5'S	38 12.5'W	9	411.08	0116	3223.	208.	0000	26	3329	0
AII 107	9	0187	0000	17	80 711	30 50.3'S	38 14.6'W	9	411.08	0117	3282.	226.	0000	26	3329	0
AII 107	9	0188	0000	17	80 711	30 50.8'S	38 17.8'W	9	411.08	0118	3397.	202.	0000	26	3329	0
AII 107	9	0189	0000	17	80 711	30 52.8'S	38 25.6'W	9	411.08	0119	3509.	124.	0000	26	3329	0
AII 107	9	0190	0000	15	80 712	30 53.4'S	38 26.9'W	9	411.08	0120	3514.	1024.	0000	26	3329	0
AII 107	9	0191	0000	17	80 712	30 53.6'S	38 29.1'W	9	411.08	0121	3580.	283.	0000	26	3322	0
AII 107	9	0192	0000	17	80 712	30 54.5'S	38 33.5'W	1	411.08	0122	3716.	162.	0000	26	3329	0
AII 107	9	0193	0000	15	80 712	30 54.4'S	38 33.1'W	9	411.08	0123	3703.	830.	0000	26	3329	0
AII 107	9	0194	0000	17	80 712	30 55.4'S	38 39.1'W	9	411.08	0124	3800.	223.	0000	26	3329	0
AII 107	9	0195	0000	17	80 712	30 56.5'S	38 41.7'W	9	411.08	0125	3878.	298.	0000	26	3329	0
AII 107	9	0196	0000	17	80 712	30 57.8'S	38 50.7'W	9	411.08	0126	3991.	268.	0000	26	3312	0
AII 107	9	0197	0000	15	80 712	30 57.8'S	38 50.5'W	9	411.08	0127	3990.	515.	0000	26	3329	0
AII 107	9	0201	0000	17	80 713	30 52.8'S	38 2.9'W	9	411.08	0131	2925.	199.	0000	26	3359	0
AII 107	9	0202	0000	17	80 714	30 50.3'S	38 17.0'W	9	411.08	0132	3343.	117.	0000	26	3329	0
AII 107	9	0203	0000	17	80 714	30 51.0'S	38 24.1'W	1	411.08	0133	3454.	155.	0000	26	3359	0
AII 107	9	0204	0000	15	80 714	30 51.6'S	38 26.6'W	9	411.08	0134	3588.	921.	0000	26	3312	0
AII 107	9	0205	0000	17	80 714	30 53.2'S	38 29.5'W	9	411.08	0135	3620.	51.	0000	26	3359	0
AII 107	9	0206	0000	15	80 714	30 54.5'S	38 29.2'W	1	411.08	0136	3590.	469.	0000	26	3329	0
AII 107	9	0213	0000	17	80 717	30 59.0'S	38 56.6'W	1	411.08	0143	4033.	294.	0000	26	3329	0
AII 107	9	0215	0000	17	80 717	30 56.9'S	38 44.7'W	9	411.08	0145	3963.	897.	0000	26	3429	0
AII 107	9	0217	0000	17	80 717	30 48.7'S	38 30.6'W	9	411.08	0147	3658.	127.	0000	26	3359	0
AII 107	9	0218	0000	17	80 717	30 48.4'S	38 28.7'W	9	411.08	0148	3628.	1137.	0000	26	3359	0
AII 107	9	0219	0000	17	80 718	30 53.4'S	38 33.8'W	9	411.08	0149	3744.	214.	0000	26	3329	0
AII 107	9	0220	0000	17	80 718	30 55.6'S	38 37.7'W	9	411.08	0150	3755.	1105.	0000	26	3329	0
AII 107	9	0221	0000	17	80 718	30 55.2'S	38 39.9'W	1	411.08	0151	3844.	215.	0000	26	3329	0
AII 107	9	0222	0000	15	80 718	30 52.7'S	38 39.9'W	9	411.08	0152	3830.	1029.	0000	26	3332	0
AII 107	9	0223	0000	17	80 718	30 55.8'S	38 45.5'W	1	411.08	0153	3965.	217.	0000	26	3339	0
AII 107	9	0224	0000	15	80 719	30 52.3'S	38 44.6'W	9	411.08	0154	3925.	1127.	0000	26	3329	0

MARSDEN SQUARE #411

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE-VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS-DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO-GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
CHN 115	6	0106	0000	15	74 426	30 24.6'S	38 58.4'W	9	411.08	0062	4065.	712.	0000	13	3132	53
CHN 115	6	0106	0000	26	74 426	30 24.6'S	38 58.4'W	9	411.08	0062	4065.	148.	0000	13	3352	53
CHN 115	6	0137	0000	15	74 5 9	30 55.0'S	38 4.8'W	1	411.08	0088	2941.	704.	0000	13	3029	53
CHN 115	6	0137	0000	26	74 5 9	30 55.0'S	38 4.8'W	1	411.08	0088	2941.	128.	0000	13	3332	53
CHN 115	6	0139	0000	15	74 5 9	30 52.8'S	38 11.8'W	1	411.08	0089	3152.	672.	0000	13	3322	53
CHN 115	6	0140	0000	15	74 5 9	30 51.0'S	38 22.3'W	1	411.08	0090	3384.	654.	0000	13	3329	0
CHN 115	6	0140	0000	26	74 5 9	30 51.0'S	38 22.3'W	1	411.08	0090	3384.	51.	0000	13	3350	0
CHN 115	6	0141	0000	15	74 510	30 49.5'S	38 25.8'W	1	411.08	0091	3576.	558.	0000	13	3322	53
CHN 115	6	0141	0000	26	74 510	30 49.5'S	38 25.8'W	1	411.08	0091	3576.	112.	0000	13	3340	53
CHN 115	6	0144	0000	15	74 510	30 25.7'S	38 50.3'W	1	411.08	0092	3934.	734.	0000	13	3352	58
CHN 115	6	0144	0000	26	74 510	30 25.7'S	38 50.3'W	1	411.08	0092	3934.	0.	0080	13	3339	58
AII 107	9	0198	0000	15	80 712	30 58.8'S	39 0.2'W	1	411.09	0128	4191.	1181.	0000	26	3432	0
AII 107	9	0199	0000	15	80 713	30 0.0'S	39 0.0'W	9	411.09	0129	4154.	669.	0000	26	3320	0
AII 107	9	0208	0000	17	80 716	30 58.8'S	39 24.7'W	9	411.09	0138	4565.	188.	0000	26	1612	0
AII 107	9	0209	0000	17	80 716	30 58.4'S	39 13.8'W	9	411.09	0139	4097.	285.	0000	26	3322	0
AII 107	9	0210	0000	17	80 716	30 57.0'S	39 4.5'W	1	411.09	0140	4094.	288.	0000	26	3429	0
AII 107	9	0212	0000	17	80 717	30 56.8'S	39 0.0'W	9	411.09	0142	4148.	295.	0000	26	3469	0
CHN 115	6	0104	0000	15	74 426	30 13.8'S	39 14.6'W	1	411.09	0060	4310.	547.	0000	13	1863	53
CHN 115	6	0104	0000	26	74 426	30 13.8'S	39 14.6'W	1	411.09	0060	4310.	85.	0000	13	1422	53
CHN 115	6	0105	0000	15	74 426	30 15.5'S	39 5.8'W	1	411.09	0061	4181.	819.	0000	13	3133	53
CHN 115	6	0105	0000	26	74 426	30 15.5'S	39 5.8'W	1	411.09	0061	4181.	151.	0000	13	4630	53
AII 107	9	0127	0000	17	80 7 4	31 51.1'S	35 41.6'W	9	411.15	0057	2484.	91.	0000	13	3359	0
AII 107	9	0128	0000	17	80 7 4	31 50.0'S	35 42.0'W	9	411.15	0058	2390.	28.	0000	13	3335	0
AII 107	9	0129	0000	17	80 7 4	31 48.5'S	35 43.4'W	9	411.15	0059	2341.	150.	0000	13	3329	0
AII 107	9	0130	0000	17	80 7 4	31 45.7'S	35 44.2'W	9	411.15	0060	2228.	25.	0000	13	3329	0
AII 107	9	0132	0000	17	80 7 4	31 41.9'S	35 46.0'W	9	411.15	0062	2047.	0.	0000	13	3329	0
AII 107	9	0133	0000	17	80 7 4	31 40.9'S	35 47.6'W	9	411.15	0063	2007.	22.	0000	13	3359	0
AII 107	9	0140	0000	17	80 7 5	31 35.2'S	35 59.9'W	9	411.15	0070	2079.	125.	0000	13	3329	0
AII 107	9	0141	0000	17	80 7 5	31 30.9'S	35 56.2'W	9	411.15	0071	1887.	152.	0000	13	3329	0
AII 107	9	0142	0000	17	80 7 5	31 27.2'S	35 54.2'W	9	411.15	0072	1781.	185.	0000	13	3329	0
AII 107	9	0143	0000	17	80 7 5	31 24.7'S	35 52.9'W	9	411.15	0073	1560.	127.	0000	13	3729	0
AII 107	9	0144	0000	17	80 7 5	31 23.0'S	35 52.5'W	1	411.15	0074	1566.	10.	0000	13	0000	0
AII 107	9	0145	0000	17	80 7 5	31 21.7'S	35 52.1'W	9	411.15	0075	1556.	23.	0000	13	3359	0
AII 107	9	0150	0000	13	80 7 5	31 16.0'S	35 52.1'W	1	411.15	0080	1385.	0.	0000	13	0000	0
AII 107	9	0151	0000	13	80 7 5	31 18.0'S	35 52.6'W	1	411.15	0081	1456.	279.	0000	13	3339	0
AII 107	9	0152	0000	17	80 7 6	31 12.8'S	35 53.2'W	9	411.15	0082	1344.	0.	0000	13	0000	0
AII 107	9	0154	0000	13	80 7 7	31 10.9'S	35 53.0'W	1	411.15	0084	1288.	0.	0000	13	0000	0
AII 107	9	0155	0000	13	80 7 7	31 7.5'S	35 53.5'W	1	411.15	0085	1273.	0.	0000	13	0000	0
AII 107	9	0161	0000	17	80 7 7	31 2.5'S	35 57.4'W	9	411.15	0091	1146.	0.	0000	13	0000	0
AII 107	9	0162	0000	17	80 7 7	31 1.7'S	35 57.7'W	9	411.15	0092	1046.	0.	0000	13	0000	0
AII 107	9	0163	0000	17	80 7 7	31 4.2'S	35 58.6'W	9	411.15	0093	1238.	0.	0000	13	0000	0
AII 107	9	0164	0000	17	80 7 7	31 15.7'S	35 29.7'W	9	411.15	0094	808.	0.	0000	13	0000	0
AII 107	9	0165	0000	17	80 7 7	31 14.5'S	35 30.4'W	9	411.15	0095	812.	0.	0000	13	0000	0
AII 107	9	0166	0000	13	80 7 7	31 15.1'S	35 34.7'W	9	411.15	0096	833.	0.	0000	13	0000	0
AII 107	9	0167	0000	13	80 7 7	31 16.1'S	35 41.1'W	9	411.15	0097	964.	0.	0000	13	0000	0
AII 107	9	0168	0000	17	80 7 7	31 15.9'S	35 41.8'W	9	411.15	0098	1039.	0.	0000	13	0000	0
AII 107	9	0170	0000	17	80 7 8	31 16.2'S	35 47.0'W	9	411.15	0100	1176.	0.	0000	13	0000	0
AII 107	9	0171	0000	17	80 7 8	31 16.0'S	35 49.1'W	9	411.15	0101	1243.	0.	0000	13	0000	0
AII 107	9	0172	0000	17	80 7 8	31 15.9'S	35 52.5'W	1	411.15	0102	1300.	0.	0000	13	0000	0
AII 107	9	0173	0000	17	80 7 8	31 15.8'S	35 54.9'W	9	411.15	0103	1360.	0.	0000	13	0000	0

CC73

MARSDEN SQUARE #411

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
AII 107	9	0174	0000	13	80 7 8	31 15.8'S	35 54.9'W	9	411.15	0104	1430.	278.	0000	13	3739	0
AII 60	2	0013	0000	15	71 3 1	31 57.3'S	36 34.1'W	9	411.16	013A	2739.	207.	0000	13	3329	41
AII 60	2	0013	0000	15	71 3 2	31 56.3'S	36 35.7'W	9	411.16	013B	3122.	219.	0000	13	3329	0
AII 107	9	0136	0000	17	80 7 4	31 56.7'S	36 12.3'W	9	411.16	0066	2716.	71.	0000	13	3359	0
AII 107	9	0137	0000	17	80 7 4	31 54.9'S	36 12.3'W	9	411.16	0067	2587.	87.	0000	13	3329	0
AII 107	9	0138	0000	17	80 7 5	31 47.8'S	36 7.4'W	1	411.16	0068	2268.	180.	0000	13	3329	0
AII 107	9	0139	0000	17	80 7 5	31 39.5'S	36 1.4'W	9	411.16	0069	2158.	195.	0000	13	3329	0
AII 107	9	0176	0000	17	80 7 8	31 17.2'S	36 0.2'W	1	411.16	0106	1562.	243.	0000	13	3322	0
AII 107	9	0214	0000	17	80 7 17	31 1.0'S	38 52.0'W	1	411.18	0144	3988.	215.	0000	26	3429	0
AII 107	9	0211	0000	17	80 7 16	31 0.9'S	39 8.0'W	1	411.19	0141	4104.	195.	0000	26	4332	0
AII 107	9	0227	0000	17	80 7 19	31 7.2'S	39 43.8'W	9	411.19	0157	4112.	292.	0000	26	6533	0
AII 107	9	0228	0000	15	80 7 19	31 7.6'S	39 44.7'W	9	411.19	0158	4065.	610.	0000	26	1159	0
AII 107	9	0229	0000	17	80 7 19	31 6.5'S	39 27.0'W	1	411.19	0159	4400.	48.	0000	26	0000	0
AII 107	9	0135	0000	17	80 7 4	32 2.1'S	36 11.3'W	9	411.26	0065	2795.	179.	0000	13	3329	0
AII 60	2	0014	0000	15	71 3 2	32 34.2'S	39 20.6'W	9	411.29	0014	4463.	162.	0000	13	1129	0

MARSDEN SQUARE #412

AII 107	9	0225	0000	17	80 7 19	31 7.9'S	40 1.8'W	9	412.10	0155	3560.	292.	0000	26	3322	0
AII 107	9	0226	0000	15	80 7 19	31 7.3'S	40 2.7'W	9	412.10	0156	3535.	1170.	0000	26	3429	0
AII 60	2	0015	0000	15	71 3 3	32 27.3'S	40 27.5'W	9	412.20	015A	3190.	561.	0000	13	3329	0
AII 60	2	0015	0000	15	71 3 3	32 28.0'S	40 33.9'W	9	412.20	015B	3207.	244.	0000	13	0000	0

MARSDEN SQUARE #434

AII 15	15	0773	0000	13	65 7 11	32 1.5'S	92 10.5'E	9	434.22	0773	4450.	133.	0000	19	4433	0
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MARSDEN SQUARE #438

AII 15	15	0766	0000	13	65 7 3	32 0.0'S	55 7.0'E	9	438.25	0766	4417.	32.	0000	14	4359	0
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MARSDEN SQUARE #439

AII 15	15	0763	0000	13	65 6 30	32 1.0'S	40 49.1'E	9	439.20	0763	4549.	124.	0000	19	4432	0
AII 15	15	0765	0000	13	65 7 2	32 1.5'S	49 55.5'E	9	439.29	0765	3698.	117.	0000	14	3359	0

MARSDEN SQUARE #440

AII 15	15	0761	0000	13	65 6 28	31 32.5'S	32 34.6'E	9	440.14	0761	2916.	55.	0000	6	3359	0
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MARSDEN SQUARE #442

CHN 115	5	0058	0000	15	74 3 25	33 57.1'S	13 34.0'E	9	442.33	0037	4448.	594.	0000	10	3350	53
CHN 115	5	0058	0000	26	74 3 25	33 57.1'S	13 34.0'E	9	442.33	0037	4448.	98.	0000	10	3352	53

MARSDEN SQUARE #442

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMMDDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DRFDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSID- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE #443

CHN 115	5	0060	0000	15	74 327	34 4.7'S	6 55.0'E	9	443.46	0038	5260.	878.	0000	10	3863	53
CHN 115	5	0060	0000	26	74 327	34 4.7'S	6 55.0'E	9	443.46	0038	5260.	160.	0000	10	1860	53

MARSDEN SQUARE #478

CHN 115	4	0032	0000	15	74 217	41 1.8'S	14 41.3'E	9	478.14	0024	4347.	1176.	0000	10	3569	53
CHN 115	4	0032	0000	26	74 217	41 1.8'S	14 41.3'E	9	478.14	0024	4347.	146.	0000	10	3559	53

MARSDEN SQUARE #479

AII 107	6	0073	0000	17	80 4 1	46 52.5'S	7 32.5'E	9	479.67	0028	2517.	154.	0000	12	0334	0
AII 107	6	0072	0000	15	80 331	46 49.3'S	8 0.5'E	9	479.68	0027	2270.	840.	0000	12	3355	0
AII 107	6	0072	0000	26	80 331	46 49.3'S	8 0.5'E	9	479.68	0027	2270.	60.	0000	12	3355	0
AII 107	6	0078	0000	15	80 4 2	46 57.2'S	8 7.1'E	9	479.68	0033	2167.	988.	0000	12	0334	0
AII 107	6	0078	0000	26	80 4 2	46 57.2'S	8 7.1'E	9	479.68	0033	2167.	133.	0000	12	0335	0
AII 107	6	0079	0000	17	80 4 2	46 49.9'S	8 1.1'E	9	479.68	0034	2195.	85.	0000	12	3034	0
AII 107	6	0070	0000	17	80 331	47 32.1'S	7 45.8'E	9	479.77	0025	2473.	170.	0000	12	0334	0
AII 107	6	0071	0000	15	80 331	47 17.1'S	7 54.6'E	9	479.77	0026	1885.	942.	0000	12	3514	0
AII 107	6	0076	0000	15	80 4 2	47 4.7'S	8 3.3'E	9	479.78	0031	1690.	900.	0000	12	0024	0

MARSDEN SQUARE #480

AII 107	6	0042	0000	13	80 322	54 25.4'S	1 21.3'W	9	480.41	0023	2012.	22.	0000	19	0864	0
CHN 115	4	0036	0000	15	74 224	54 42.1'S	2 5.1'W	9	480.42	0027	3140.	1135.	0000	15	5520	41
CHN 115	4	0036	0000	26	74 224	54 42.1'S	2 5.1'W	9	480.42	0027	3140.	91.	0000	15	5552	41
AII 107	6	0027	0000	17	80 319	54 45.2'S	3 31.1'W	9	480.43	0021	2921.	58.	0000	15	5552	0
AII 107	6	0030	0000	17	80 320	54 47.5'S	3 19.8'W	9	480.43	0022	2768.	208.	0000	15	0034	0
AII 107	6	0024	0000	17	80 318	54 54.5'S	8 43.1'W	9	480.48	0019	3255.	244.	0000	15	6534	0
CHN 115	4	0042	0000	13	74 3 4	55 23.6'S	2 2.2'W	9	480.52	0031	2189.	1.	0000	14	0000	0

MARSDEN SQUARE #481

AII 107	6	0020	0000	15	80 316	54 51.4'S	17 57.1'W	9	481.47	0016	4119.	890.	0000	15	5634	0
AII 107	6	0020	0000	26	80 316	54 51.4'S	17 57.1'W	9	481.47	0016	4119.	83.	0000	15	5559	0
AII 107	5	0021	0000	17	80 317	54 56.5'S	17 55.0'W	9	481.47	0017	4121.	21.	0000	15	5558	0

MARSDEN SQUARE #482

AII 107	6	0018	0000	17	80 316	55 16.4'S	21 58.5'W	9	482.51	0015	4119.	71.	0000	15	5524	0
AII 107	6	0017	0000	15	80 315	55 16.7'S	22 10.9'W	9	482.52	0014	3926.	758.	0000	15	6544	0
AII 107	6	0017	0000	26	80 315	55 16.7'S	22 10.9'W	9	482.52	0014	3926.	130.	0000	15	6638	0

MARSDEN SQUARE #482

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE
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MARSDEN SQUARE #483

AII 107	6	0006	0000	15	80 311	56 14.0'S	32 21.1'W	9	483.62	0004	3251.	597.	0000	20	5644	0
AII 107	6	0006	0000	26	80 311	56 14.0'S	32 21.1'W	9	483.62	0004	3251.	132.	0000	20	6534	0
AII 107	6	0007	0000	15	80 311	56 21.4'S	32 44.8'W	9	483.62	0005	3174.	812.	0000	20	5644	0
AII 107	6	0007	0000	26	80 311	56 21.4'S	32 44.8'W	9	483.62	0005	3174.	83.	0000	20	5554	0
AII 107	6	0008	0000	15	80 312	56 19.0'S	32 45.2'W	9	483.62	0006	3150.	638.	0000	20	5644	0
AII 107	6	0008	0000	26	80 312	56 19.0'S	32 45.2'W	9	483.62	0006	3150.	74.	0000	20	5557	0
AII 107	6	0009	0000	15	80 312	56 16.8'S	32 45.1'W	9	483.62	0007	3116.	538.	0000	20	6524	0
AII 107	6	0009	0000	26	80 312	56 16.8'S	32 45.1'W	9	483.62	0007	3116.	126.	0000	20	5557	0
AII 107	6	0010	0000	15	80 312	56 17.6'S	32 38.9'W	9	483.62	0008	3223.	742.	0000	20	5624	0
AII 107	6	0010	0000	26	80 312	56 17.6'S	32 38.9'W	9	483.62	0008	3223.	69.	0000	20	5557	0
AII 107	6	0011	0000	13	80 313	56 11.7'S	32 29.9'W	9	483.62	0009	3223.	130.	0000	20	5524	0
AII 107	6	0012	0000	15	80 313	56 17.4'S	32 41.3'W	9	483.62	0010	3273.	723.	0000	20	6524	0
AII 107	6	0012	0000	26	80 313	56 17.4'S	32 41.3'W	9	483.62	0010	3273.	32.	0000	20	6654	0
AII 107	6	0013	0000	15	80 313	56 16.9'S	32 38.4'W	9	483.62	0011	3260.	622.	0000	20	5624	0
AII 107	6	0013	0000	26	80 313	56 16.9'S	32 38.4'W	9	483.62	0011	3260.	107.	0000	20	5867	0

MARSDEN SQUARE #515

CHN 115	4	0034	0000	15	74 222	51 0.0'S	5 19.8'E	1	515.15	0025	3788.	141.	0000	15	5360	53
CHN 115	4	0051	0000	15	74 3 9	52 19.7'S	6 30.0'E	9	515.26	0036	3692.	1059.	0000	15	5550	41
CHN 115	4	0051	0000	26	74 3 9	52 19.7'S	6 30.0'E	9	515.26	0036	3692.	105.	0000	15	5960	41
CHN 115	4	0035	0000	15	74 223	53 36.0'S	0 6.0'E	1	515.30	0026	2643.	1190.	0000	15	5550	41
CHN 115	4	0035	0000	26	74 223	53 36.0'S	0 6.0'E	1	515.30	0026	2643.	61.	0000	15	5550	41
CHN 115	4	0043	0000	13	74 3 5	54 35.5'S	0 4.8'E	9	515.40	0032	1260.	143.	0000	14	5960	41
CHN 115	4	0047	0000	15	74 3 7	54 12.0'S	2 3.6'E	9	515.42	0034	5047.	861.	0000	19	5960	41

ATLANTIS II 107

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STATION DATA RETRIEVAL

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CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR	MODE	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
AII 107	6	0006	0000	15	80	311	56 14.0'S	32 21.1'W	9	483.62	0004	3251.	597.	0000	20	5644	0	
AII 107	6	0006	0000	26	80	311	56 14.0'S	32 21.1'W	9	483.62	0004	3251.	132.	0000	20	6534	0	
AII 107	6	0007	0000	15	80	311	56 21.4'S	32 44.8'W	9	483.62	0005	3174.	812.	0000	20	5644	0	
AII 107	6	0007	0000	26	80	311	56 21.4'S	32 44.8'W	9	483.62	0005	3174.	83.	0000	20	5554	0	
AII 107	6	0008	0000	15	80	312	56 19.0'S	32 45.2'W	9	483.62	0006	3150.	638.	0000	20	5644	0	
AII 107	6	0008	0000	26	80	312	56 19.0'S	32 45.2'W	9	483.62	0006	3150.	74.	0000	20	5557	0	
AII 107	6	0009	0000	15	80	312	56 16.8'S	32 45.1'W	9	483.62	0007	3116.	538.	0000	20	6524	0	
AII 107	6	0009	0000	26	80	312	56 16.8'S	32 45.1'W	9	483.62	0007	3116.	126.	0000	20	5557	0	
AII 107	6	0010	0000	15	80	312	56 17.6'S	32 38.9'W	9	483.62	0008	3223.	742.	0000	20	5624	0	
AII 107	6	0010	0000	26	80	312	56 17.6'S	32 38.9'W	9	483.62	0008	3223.	69.	0000	20	5557	0	
AII 107	6	0011	0000	13	80	313	56 11.7'S	32 29.9'W	9	483.62	0009	3223.	130.	0000	20	5524	0	
AII 107	6	0012	0000	15	80	313	56 17.4'S	32 41.3'W	9	483.62	0010	3273.	723.	0000	20	6524	0	
AII 107	6	0012	0000	26	80	313	56 17.4'S	32 41.3'W	9	483.62	0010	3273.	32.	0000	20	6654	0	
AII 107	6	0013	0000	15	80	313	56 16.9'S	32 38.4'W	9	483.62	0011	3260.	622.	0000	20	5624	0	
AII 107	6	0013	0000	26	80	313	56 16.9'S	32 38.4'W	9	483.62	0011	3260.	107.	0000	20	5867	0	
AII 107	6	0017	0000	15	80	315	55 16.7'S	22 10.9'W	9	482.52	0014	3926.	758.	0000	15	6544	0	
AII 107	6	0017	0000	26	80	315	55 16.7'S	22 10.9'W	9	482.52	0014	3926.	130.	0000	15	6638	0	
AII 107	6	0018	0000	17	80	316	55 16.4'S	21 58.5'W	9	482.51	0015	4119.	71.	0000	15	5524	0	
AII 107	6	0020	0000	15	80	316	54 51.4'S	17 57.1'W	9	481.47	0016	4119.	890.	0000	15	5634	0	
AII 107	6	0020	0000	26	80	316	54 51.4'S	17 57.1'W	9	481.47	0016	4119.	83.	0000	15	5559	0	
AII 107	6	0021	0000	17	80	317	54 56.6'S	17 56.0'W	9	481.47	0017	4121.	21.	0000	15	5559	0	
AII 107	6	0024	0000	17	80	318	54 54.5'S	8 43.1'W	9	480.48	0019	3255.	244.	0000	15	6534	0	
AII 107	6	0027	0000	17	80	319	54 45.2'S	3 31.1'W	9	480.43	0021	2921.	58.	0000	15	5552	0	
AII 107	6	0030	0000	17	80	320	54 47.5'S	3 19.8'W	9	480.43	0022	2768.	208.	0000	15	0034	0	
MAJOR SED TYPE IS SILIC-CALC CLAY; MINOR IS SILIC-CALC OOZE																		
AII 107	6	0042	0000	13	80	322	54 25.4'S	1 21.3'W	9	480.41	0023	2012.	22.	0000	19	0864	0	
MAJOR SED TYPE IS HIGHLY SILIC-CALC CLAY																		
AII 107	6	0070	0000	17	80	331	47 32.1'S	7 45.8'E	9	479.77	0025	2473.	170.	0000	12	0334	0	
MAJOR SED TYPE IS CALC-SILIC OOZE																		
AII 107	6	0071	0000	15	80	331	47 17.1'S	7 54.6'E	9	479.77	0026	1885.	942.	0000	12	3514	0	
AII 107	6	0072	0000	15	80	331	46 49.3'S	8 0.5'E	9	479.68	0027	2270.	840.	0000	12	3355	0	
AII 107	6	0072	0000	26	80	331	46 49.3'S	8 0.5'E	9	479.68	0027	2270.	60.	0000	12	3355	0	
AII 107	6	0073	0000	17	80	4 1	46 52.5'S	7 32.5'E	9	479.67	0028	2517.	154.	0000	12	0334	0	
MAJOR SED TYPE IS SILIC-CALC OOZE																		
AII 107	6	0076	0000	15	80	4 2	47 4.7'S	8 3.3'E	9	479.78	0031	1690.	900.	0000	12	0024	0	
MAJOR SED TYPE IS CALC-SILIC; MINOR IS SILIC-CALC																		
AII 107	6	0078	0000	15	80	4 2	46 57.2'S	8 7.1'E	9	479.68	0033	2167.	988.	0000	12	0334	0	
AII 107	6	0078	0000	26	80	4 2	46 57.2'S	8 7.1'E	9	479.68	0033	2167.	133.	0000	12	0335	0	
MAJOR SED TYPE IS CALC-SILIC OOZE																		
AII 107	6	0079	0000	17	80	4 2	46 49.9'S	8 1.1'E	9	479.68	0034	2195.	85.	0000	12	3034	0	
MINOR SED TYPE IS SILIC-CALC OOZE																		
AII 107	9	0108	0000	15	80	628	25 44.1'S	36 56.6'W	9	375.56	0038	4210.	204.	0000	10	1139	0	
AII 107	9	0109	0000	17	80	628	25 40.4'S	36 53.8'W	9	375.56	0039	4219.	295.	0000	10	1339	0	
AII 107	9	0110	0000	15	80	628	25 38.2'S	36 52.1'W	1	375.56	0040	4219.	1149.	0000	10	1423	0	

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SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
AII 107	9	0110	0000	26	80	628	25 38.2'S	36 52.1'W	1	375.56	0040	4219.	0.	0162	10	4339	0	
AII 107	9	0111	0000	17	80	629	27 53.3'S	37 13.1'W	9	375.77	0041	4684.	290.	0000	16	1821	0	
AII 107	9	0112	0000	15	80	629	27 48.8'S	37 11.8'W	9	375.77	0042	4562.	1043.	0000	16	1433	0	
AII 107	9	0112	0000	26	80	629	27 48.8'S	37 11.8'W	9	375.77	0042	4562.	0.	0108	16	1829	0	
AII 107	9	0113	0000	17	80	630	28 35.4'S	35 46.5'W	9	375.85	0043	4316.	254.	0000	10	3432	0	
AII 107	9	0114	0000	15	80	630	28 36.4'S	35 47.8'W	9	375.85	0044	4295.	755.	0000	10	3319	0	
AII 107	9	0114	0000	26	80	630	28 36.4'S	35 47.8'W	9	375.85	0044	4295.	0.	0033	10	3359	0	
AII 107	9	0115	0000	15	80	7 1	28 6.2'S	35 16.7'W	1	375.85	0045	4427.	1043.	0000	10	3721	0	
AII 107	9	0115	0000	26	80	7 1	28 6.2'S	35 16.7'W	1	375.85	0045	4427.	0.	0156	10	3429	0	
AII 107	9	0116	0000	17	80	7 1	28 10.3'S	35 17.7'W	9	375.85	0046	4424.	265.	0000	10	3412	0	
AII 107	9	0117	0000	17	80	7 1	28 24.9'S	35 1.3'W	9	375.85	0047	4372.	37.	0000	10	3739	0	
AII 107	9	0118	0000	13	80	7 1	28 27.1'S	35 14.9'W	9	375.85	0048	4383.	979.	0000	10	3735	0	
AII 107	9	0123	0000	17	80	7 3	30 14.5'S	35 16.9'W	9	411.05	0053	1358.	12.	0000	13	3359	0	
AII 107	9	0124	0000	17	80	7 3	30 21.9'S	35 9.6'W	9	411.05	0054	1345.	0.	0000	13	0000	0	VIALS
AII 107	9	0126	0000	17	80	7 3	30 19.5'S	35 11.4'W	9	411.05	0056	1268.	0.	0000	13	0000	0	VIALS
AII 107	9	0127	0000	17	80	7 4	31 51.1'S	35 41.6'W	9	411.15	0057	2484.	91.	0000	13	3359	0	
AII 107	9	0128	0000	17	80	7 4	31 50.0'S	35 42.0'W	9	411.15	0058	2390.	28.	0000	13	3335	0	
AII 107	9	0129	0000	17	80	7 4	31 48.6'S	35 43.4'W	9	411.15	0059	2341.	150.	0000	13	3329	0	
AII 107	9	0130	0000	17	80	7 4	31 45.7'S	35 44.2'W	9	411.15	0060	2228.	25.	0000	13	3329	0	
AII 107	9	0132	0000	17	80	7 4	31 41.9'S	35 46.0'W	9	411.15	0062	2047.	0.	0000	13	3329	0	
AII 107	9	0133	0000	17	80	7 4	31 40.9'S	35 47.6'W	9	411.15	0063	2007.	22.	0000	13	3359	0	
AII 107	9	0135	0000	17	80	7 4	32 2.1'S	36 11.3'W	9	411.26	0065	2795.	179.	0000	13	3329	0	
AII 107	9	0136	0000	17	80	7 4	31 56.7'S	36 12.3'W	9	411.16	0066	2716.	71.	0000	13	3359	0	
AII 107	9	0137	0000	17	80	7 4	31 54.9'S	36 12.3'W	9	411.16	0067	2587.	87.	0000	13	3329	0	
AII 107	9	0138	0000	17	80	7 5	31 47.8'S	36 7.4'W	1	411.16	0068	2268.	180.	0000	13	3329	0	
AII 107	9	0139	0000	17	80	7 5	31 39.5'S	36 1.4'W	9	411.16	0069	2158.	196.	0000	13	3329	0	
AII 107	9	0140	0000	17	80	7 5	31 36.2'S	35 59.9'W	9	411.15	0070	2079.	125.	0000	13	3329	0	
AII 107	9	0141	0000	17	80	7 5	31 30.9'S	35 56.2'W	9	411.15	0071	1887.	152.	0000	13	3329	0	
AII 107	9	0142	0000	17	80	7 5	31 27.2'S	35 54.2'W	9	411.15	0072	1781.	186.	0000	13	3329	0	
AII 107	9	0143	0000	17	80	7 5	31 24.7'S	35 52.9'W	9	411.15	0073	1660.	127.	0000	13	3729	0	
AII 107	9	0144	0000	17	80	7 5	31 23.0'S	35 52.5'W	1	411.15	0074	1566.	10.	0000	13	0000	0	VIALS
AII 107	9	0145	0000	17	80	7 5	31 21.7'S	35 52.1'W	9	411.15	0075	1556.	23.	0000	13	3359	0	
AII 107	9	0150	0000	13	80	7 5	31 16.0'S	35 52.1'W	1	411.15	0080	1385.	0.	0000	13	0000	0	FEW G
AII 107	9	0151	0000	13	80	7 5	31 18.0'S	35 52.6'W	1	411.15	0081	1456.	279.	0000	13	3339	0	
AII 107	9	0152	0000	17	80	7 6	31 12.8'S	35 53.2'W	9	411.15	0082	1344.	0.	0000	13	0000	0	FEW G
AII 107	9	0154	0000	13	80	7 7	31 10.9'S	35 53.0'W	1	411.15	0084	1288.	0.	0000	13	0000	0	
AII 107	9	0155	0000	13	80	7 7	31 7.5'S	35 53.5'W	1	411.15	0085	1273.	0.	0000	13	0000	0	VIALS
AII 107	9	0157	0000	13	80	7 7	30 58.6'S	35 57.2'W	1	411.05	0087	735.	0.	0000	13	0000	0	
AII 107	9	0161	0000	17	80	7 7	31 2.5'S	35 57.4'W	9	411.15	0091	1146.	0.	0000	13	0000	0	VIALS
AII 107	9	0162	0000	17	80	7 7	31 1.7'S	35 57.7'W	9	411.15	0092	1046.	0.	0000	13	0000	0	100GM
AII 107	9	0163	0000	17	80	7 7	31 4.2'S	35 58.6'W	9	411.15	0093	1238.	0.	0000	13	0000	0	VIALS
AII 107	9	0164	0000	17	80	7 7	31 15.7'S	35 20.7'W	9	411.15	0094	808.	0.	0000	13	0000	0	VIALS
AII 107	9	0165	0000	17	80	7 7	31 14.6'S	35 30.4'W	9	411.15	0095	812.	0.	0000	13	0000	0	VIALS
AII 107	9	0166	0000	13	80	7 7	31 15.1'S	35 34.7'W	9	411.15	0096	833.	0.	0000	13	0000	0	VIALS
AII 107	9	0167	0000	13	80	7 7	31 16.1'S	35 41.1'W	9	411.15	0097	964.	0.	0000	13	0000	0	VIALS

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CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK SED. TYPE	VITA CODE	REMARKS	
AI1 107	9	0168	0000	17	80 7 7	31 15.9'S	35 41.8'W	9	411.15	0008	1039.	0.	0000	13	0000	0	VIALS	
AI1 107	9	0170	0000	17	80 7 8	31 16.2'S	35 47.0'W	9	411.15	0100	1176.	0.	0000	13	0000	0	VIALS	
AI1 107	9	0171	0000	17	80 7 8	31 16.0'S	35 49.1'W	9	411.15	0101	1243.	0.	0000	13	0000	0	VIALS	
AI1 107	9	0172	0000	17	80 7 8	31 15.9'S	35 52.5'W	1	411.15	0102	1300.	0.	0000	13	0000	0	VIALS	
AI1 107	9	0173	0000	17	80 7 8	31 15.8'S	35 54.9'W	9	411.15	0103	1360.	0.	0000	13	0000	0	VIALS	
AI1 107	9	0174	0000	13	80 7 8	31 15.8'S	35 54.9'W	9	411.15	0104	1430.	278.	0000	13	3739	0		
AI1 107	9	0176	0000	17	80 7 8	31 17.2'S	36 0.2'W	1	411.16	0106	1562.	243.	0000	13	3322	0		
AI1 107	9	0177	0000	17	80 710	30 52.7'S	37 48.3'W	1	411.07	0107	2795.	63.	0000	26	3329	0		
AI1 107	9	0178	0000	15	80 710	30 52.9'S	37 45.9'W	9	411.07	0108	2772.	0.	0000	26	0000	0	VIALS	
AI1 107	9	0180	0000	17	80 711	30 48.6'S	37 47.4'W	9	411.07	0110	2661.	163.	0000	26	3329	0		
AI1 107	9	0181	0000	17	80 711	30 49.4'S	37 57.7'W	9	411.07	0111	2857.	10.	0000	26	3329	0		
AI1 107	9	0182	0000	17	80 711	30 48.9'S	37 58.7'W	9	411.07	0112	2874.	127.	0000	26	3329	0		
AI1 107	9	0183	0000	17	80 711	30 48.6'S	38 2.9'W	1	411.08	0113	2990.	177.	0000	26	3329	0		
AI1 107	9	0184	0000	17	80 711	30 48.6'S	38 4.8'W	1	411.08	0114	3075.	215.	0000	26	3329	0		
AI1 107	9	0185	0000	17	80 711	30 49.9'S	38 10.4'W	9	411.08	0115	3167.	218.	0000	26	3332	0		
AI1 107	9	0186	0000	17	80 711	30 50.5'S	38 12.5'W	9	411.08	0116	3223.	208.	0000	26	3329	0		
AI1 107	9	0187	0000	17	80 711	30 50.3'S	38 14.6'W	9	411.08	0117	3282.	226.	0000	26	3329	0		
AI1 107	9	0188	0000	17	80 711	30 50.8'S	38 17.8'W	9	411.08	0118	3397.	202.	0000	26	3329	0		
AI1 107	9	0189	0000	17	80 711	30 52.8'S	38 25.6'W	9	411.08	0119	3509.	124.	0000	26	3329	0		
AI1 107	9	0190	0000	15	80 712	30 53.4'S	38 26.9'W	9	411.08	0120	3514.	1024.	0000	26	3329	0		
AI1 107	9	0191	0000	17	80 712	30 53.6'S	38 29.1'W	9	411.08	0121	3580.	283.	0000	26	3322	0		
AI1 107	9	0192	0000	17	80 712	30 54.5'S	38 33.5'W	1	411.08	0122	3716.	162.	0000	26	3329	0		
AI1 107	9	0193	0000	15	80 712	30 54.4'S	38 33.1'W	9	411.08	0123	3703.	830.	0000	26	3329	0		
AI1 107	9	0194	0000	17	80 712	30 55.4'S	38 39.1'W	9	411.08	0124	3800.	223.	0000	26	3329	0		
AI1 107	9	0195	0000	17	80 712	30 56.5'S	38 41.7'W	9	411.08	0125	3878.	298.	0000	26	3329	0		
AI1 107	9	0196	0000	17	80 712	30 57.8'S	38 50.7'W	9	411.08	0126	3991.	268.	0000	26	3312	0		
AI1 107	9	0197	0000	15	80 712	30 57.8'S	38 50.5'W	9	411.08	0127	3990.	515.	0000	26	3329	0		
AI1 107	9	0198	0000	15	80 712	30 58.8'S	39 0.2'W	1	411.09	0128	4191.	1181.	0000	26	3432	0		
AI1 107	9	0199	0000	15	80 713	30 0.0'S	39 0.0'W	9	411.09	0129	4154.	669.	0000	26	3320	0		
FLOW-IN 49-669																		
AI1 107	9	0200	0000	15	80 713	30 51.9'S	37 57.0'W	9	411.07	0130	2840.	148.	0000	26	3337	0		
AI1 107	9	0201	0000	17	80 713	30 52.8'S	38 2.9'W	9	411.08	0131	2925.	199.	0000	26	3359	0		
AI1 107	9	0202	0000	17	80 714	30 50.3'S	38 17.0'W	9	411.08	0132	3343.	117.	0000	26	3329	0		
AI1 107	9	0203	0000	17	80 714	30 51.0'S	38 24.1'W	1	411.08	0133	3454.	165.	0000	26	3359	0		
AI1 107	9	0204	0000	15	80 714	30 51.6'S	38 26.6'W	9	411.08	0134	3588.	921.	0000	26	3312	0		
AI1 107	9	0205	0000	17	80 714	30 53.2'S	38 29.5'W	9	411.08	0135	3620.	51.	0000	26	3359	0		
AI1 107	9	0206	0000	15	80 714	30 54.5'S	38 29.2'W	1	411.08	0136	3590.	469.	0000	26	3329	0		
AI1 107	9	0208	0000	17	80 716	30 58.8'S	39 24.7'W	9	411.09	0138	4565.	188.	0000	26	1612	0		
AI1 107	9	0209	0000	17	80 716	30 58.4'S	39 13.8'W	9	411.09	0139	4097.	286.	0000	26	3322	0		
AI1 107	9	0210	0000	17	80 716	30 57.0'S	39 4.5'W	1	411.09	0140	4094.	288.	0000	26	3429	0		
AI1 107	9	0211	0000	17	80 716	31 0.9'S	39 8.0'W	1	411.19	0141	4104.	195.	0000	26	4332	0		
AI1 107	9	0212	0000	17	80 717	30 56.8'S	39 0.0'W	9	411.09	0142	4148.	296.	0000	26	3469	0		
AI1 107	9	0213	0000	17	80 717	30 59.0'S	38 56.6'W	1	411.08	0143	4033.	294.	0000	26	3329	0		
AI1 107	9	0214	0000	17	80 717	31 1.0'S	38 52.0'W	1	411.18	0144	3988.	216.	0000	26	3429	0		
AI1 107	9	0215	0000	17	80 717	30 56.9'S	38 44.7'W	9	411.08	0145	3963.	897.	0000	26	3429	0		

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CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
AII 107	9	0217	0000	17	80 717	30 48.7'S	38 30.6'W	9	411.08	0147	3658.	127.	0000	26	3359	0	
AII 107	9	0218	0000	17	80 717	30 48.4'S	38 28.7'W	9	411.08	0148	3628.	1137.	0000	26	3359	0	
AII 107	9	0219	0000	17	80 718	30 53.4'S	38 33.8'W	9	411.08	0149	3744.	214.	0000	26	3329	0	
AII 107	9	0220	0000	17	80 718	30 55.6'S	38 37.7'W	9	411.08	0150	3755.	1105.	0000	26	3329	0	
AII 107	9	0221	0000	17	80 718	30 55.2'S	38 39.9'W	1	411.08	0151	3844.	215.	0000	26	3329	0	
AII 107	9	0222	0000	15	80 718	30 52.7'S	38 39.9'W	9	411.08	0152	3830.	1029.	0000	26	3332	0	
AII 107	9	0223	0000	17	80 718	30 55.8'S	38 45.5'W	1	411.08	0153	3965.	217.	0000	26	3339	0	
AII 107	9	0224	0000	15	80 719	30 52.3'S	38 44.6'W	9	411.08	0154	3925.	1127.	0000	26	3329	0	
FLOW-IN 623-1127																	
AII 107	9	0225	0000	17	80 719	31 7.9'S	40 1.8'W	9	412.10	0155	3660.	292.	0000	26	3322	0	
AII 107	9	0226	0000	15	80 719	31 7.3'S	40 2.7'W	9	412.10	0156	3635.	1170.	0000	26	3429	0	
AII 107	9	0227	0000	17	80 719	31 7.2'S	39 43.8'W	9	411.19	0157	4112.	292.	0000	26	6633	0	
AII 107	9	0228	0000	15	80 719	31 7.6'S	39 44.7'W	9	411.19	0158	4065.	610.	0000	26	1159	0	
AII 107	9	0229	0000	17	80 719	31 6.5'S	39 27.0'W	1	411.19	0159	4400.	48.	0000	26	0000	0	

VISUAL CORE DESCRIPTION

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Ship A II Cruise 107 Leg 6 Sta. 3 Core No. 166C
Total Length 17 cm. Lat. 56° 15' N Long. 36° 58.3' W Depth 3695 m (core)
Core condition GOOD Date Described 10/26/83 by P. Andrew
Physiographic location SCOTIA SEA, S.W. ATLANTIC OCEAN.

Lithologic
Log

Detailed Description

0-14

SILIC-CLAY WITH DETRITUS

5 Y 5/2 olive gray.

Very silty rudite with a scattered distribution of pebble sized fragments.

Pebble size fragments, ice rafted?
G, mottled.

14-17

HIGHLY SILIC CLAY WITH DETRITUS

5 Y 5/3 olive.

Very slight, 10 YR 4/2 dark grayish brown mottling.

Very silty lutite with a few small scattered pebbles.

END OF CORE.

END OF CORE

0083

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 1 GGC

Expedition 107Station No. 3

Leg No. 6

Total Core Length 17 cm

[illegible]

0084

VISUAL CORE DESCRIPTION

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Ship AII Cruise 107 Leg 6 Sta. 6 Core No. 4PC
 Total Length 584 cm. Lat. 56° 14.0' S Long. 32° 24.1' W Depth 3251 m (corr)
 Core condition EXCELLENT Date Described 10/27/83 by R. Andrew
 Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic Log

Detailed Description

- 0-31
 SILIC OOZE WITH DETRITUS.
 5 Y 6/2 light olive gray grades to 5 Y 5/2 olive gray.
 Very silty lutite, with a few scattered (<1mm) semi-lithified particles most concentrated in the zone 13 - 26 cm.
 A fairly distinctive band of 2.5 Y 6/2 light brownish gray sediment exists in the 10 YR 5/1 gray zone at 19 - 21 cm.
 G, mottled.
- 31-101
 SILIC OOZE WITH DETRITUS.
 5 Y 6/2 light olive gray grades to 5 Y 5/2 olive gray.
 A few large burrows are noted in the zones 45 - 47 cm and 97 - 100 cm.
 Very silty lutite with a high concentration of semi-lithified particles and ice rafted (?) rock fragments in the zone 63 - 92 cm.
 Rock fragments ice rafted?
 S, mottled.
- 101-215
 HIGHLY SILIC CLAY WITH DETRITUS TO A SILIC OOZE WITH DETRITUS
 5 Y 6/2 light olive gray grades to a 5 Y 5/1 gray.
 Two large burrows, which span the entire width of the core, are noted in the zone 102 - 112 cm. Other small burrows exist between these two larger burrows.
 Also, in the zone 200 - 215 cm, extensive 5 Y 6/2 light olive gray mottling exists.
 Very silty lutite with a few small scattered rock fragments.
 A VOID due to shrinkage is located between 133 - 138 cm.
 S, mottled.
- 215-515
 SILIC OOZE WITH DETRITUS TO A HIGHLY SILIC CLAY WITH DETRITUS.
 5 Y 6/2 light olive gray grades to a 5 Y 5/2 olive gray.
 Generally the unit is homogeneous except for a few slight color variations occurring at 379 cm, 397 cm, 459 cm and 501 cm.
 Very silty lutite with a random distribution of rock fragments.
 S, mottled.
- 515-580
 HIGHLY SILIC CLAY WITH DETRITUS.
 5 Y 5/4 olive grades to a 5 Y 5/2 olive gray.
 Very faint 5 Y 6/2 light olive gray mottling in the zone 554 - 568 cm.
 Very silty lutite with a few scattered rock fragments.
 One very large (2 cm) rock fragment is noted in the zone 520 - 522 cm.
 S, S-shaped.

0085

VISUAL CORE DESCRIPTION

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Ship AII Cruise 107 Leg 6 Sta. 6 Core No. 4PC

Lithologic Log

Detailed Description

- 580-584
 SILIC OOZE WITH DETRITUS.
 5 Y 5/3 olive.
 Very silty lutite.
 END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 4 PC
Expedition 107 Station No. 6
Leg No. 6 Total Core Length 584 cm

[illegible]

VISUAL CORE DESCRIPTION

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Ship A II Cruise 107 Leg 6 Sta. 6 Core No. 4PG
Total Length 132 cm. Lat. 56° 14.0'S Long. 32° 21' W Depth 3251 m (core)
Core condition EXCELLENT Date Described 10/27/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic

Detailed Description

Log

0-38

HIGHLY SILIC CLAY WITH DETRITUS

5 Y 6/3 pale olive grading to a 5 Y 5/2 olive gray.
Slight 5 Y 6/2 light olive gray mottling in the zone
32 - 35 cm.

Very silty lutite with an uneven distribution of small fragments.

S.H.

38-88

SILIC OOZE WITH DETRITUS

5 Y 6/2 light olive gray grading to a 5 Y 5/2 olive gray.

Slight 5 Y 7/2 light gray mottling in the zone 69 - 77 cm. Also two large burrows noted at 42 cm and 57 cm.

Very silty lutite with very few small rock fragments.
One large (2 cm) rock fragment, ice rafted gneiss?

S, slightly mottled.

132

88-132

HIGHLY SILIC CLAY WITH DETRITUS

5 Y 6/1 gray.

A few small burrows are noted in the zone 99 - 104 cm.
Very silty lutite.

END OF CORE.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 4 PG
Expedition 107 Station No. 6
Leg. No. 6 Total Core Length 132 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 6 Sta. 7 Core No. 5 PC
Total Length 812 cm. Lat. 56° 21.45' Long. 32° 44.8' W Depth 3174m (corr)
Core condition EXCELLENT Date Described 10/31/82 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic

2 Log

Detailed Description

0-159

SILIC Ooze with detritus.

5 Y 5/3 olive, grading to a 5 Y 5/2 olive gray.
Faint 5 Y 6/4 pale olive mottling scattered throughout.
However, the mottling also becomes more gray with
increased depth, as does the overall core color.
Very silty, slightly soupy lutite with a few small
scattered rock fragments in the zone 10 - 20 cm.
G, mottled.

159-188

SILIC Ooze with detritus.

5 Y 6/2 light olive gray grades to 5 Y 5/1 gray, back again to 5 Y 6/2.

Slight intermixing of the two noted colors occurs.

Also, one large burrow is noted in the zone 166 - 169 cm.

Very silty, firm lutite, with a few small, scattered rock fragments.

G. H.

188-211

SILIC OOOE WITH DETRITUS.

5 Y 5/3 olive grading to 5 Y 4/2 olive gray.

Very faint 5 Y 5/6 olive mottling throughout.

Very silty, firm, lutite with abundant small rock fragments.

S, mottled.

211-407

HIGHLY SILIC CLAY/DETRITUS.

5 Y 6/3 pale olive grading to 5 Y 5/2 olive gray.

Scattered 5Y 7/3 pale yellow mottling throughout.

Very silty, firm, lutite with small scattered rock fragments in the zone 220 - 229 cm, 337 - 359 cm and 389 - 405 cm.

Two desiccation zones are noted at 361 - 372 cm and 387 - 388 cm resulting in VOIDS.

S, I-30°.

407-699

SILIC OOZE WITH DETRITUS.

5 Y 6/4 pale olive grading to 5 Y 7/2 light gray.

Scattered, 5 Y 8/1 white flecks occur in the zone
691 - 699 cm.

Very silty lutite, grading from firm to slightly soupy with very few small, scattered rock fragments.

One burrow spans the core liner at 418 cm, colored 5 Y 5/2 olive gray.

G, mottled.

Ship AII Cruise 107 Leg 6 Sta. 7 Core No. 5PC

Lithologic
Log

Detailed Description

699-731

SILIC OOOE WITH DETRITUS.

5 Y 5/2 olive gray.

Two large burrows, spanning the core liner, occur in the zone 718 - 726 cm, colored 5 Y 6/4 pale olive. Very silty, firm lutite with a few small scattered rock fragments.

One large (3 cm) gneissic rock fragment occurs at 726 - 729 cm.

S, I-10°.

731-812

SILIC OOOE WITH DETRITUS.

5 Y 5/3 olive.

One burrow is noted at 759 cm.

Very silty lutite.

END OF CORE.

0091

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 5 PC

Expedition 107

Station No. 7

Leg No. 6

Total Core Length 812 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 7 Core No. 5PG
Total Length 83 cm. Lat. 56°21'4"S Long. 32°44'8"W Depth 3174m (corn)
Core condition EXCELLENT Date Described 10/31/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic Log

Detailed Description

0-83

SILIC OOZE WITH DETRITUS.

5 Y 5/3 olive.

Faint, 5 Y 6/4 pale olive mottling scattered throughout. Very silty lutite with very few, small, rock fragments. A 10 YR 4/3 dark brown, hazy lamination occurs in the zone 0 - 2 cm.

END OF CORE.

END OF CORE

100

0093

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 5 PG

Expedition 107Station No. 7

Leg No. 6

Total Core Length 83 cm

[illegible]

0094

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 6 Sta. 8 Core No. 6 PC
 Total Length 624 cm. Lat. 56° 12.0' S Long. 32° 45.2' W Depth 3150m (corr)
 Core condition EXCELLENT Date Described 11/4/83 by P. Andrew
 Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic Log

Detailed Description

- 0-235
 SILIC OOZE WITH DETRITUS.
 5 Y 5/3 olive.
 Scattered, 5 Y 7/3 pale yellow mottling throughout with extensive mottling noted in the zones 83 - 92 cm and 138 - 150 cm.
 Very silty lutite with the mottled zones composed of a spongy, semi-lithified, biogenous rich material.
 A 2.5 Y 4/4 olive brown, clay rich layer is noted in the zone 0-1 cm.
 Very G, H.
- 235-288
 SILIC OOZE WITH DETRITUS.
 5 Y 5/2 olive.
 Scattered 5 Y 5/3 olive mottling, which again has a spongy, semi-lithified texture.
 Very silty lutite with the mottled zones composed of clay sized particles.
 A few scattered rock fragments, inter-mixed with semi-lithified clay lumps, occur in the zone 260 - 269 cm.
 S, mottled.
- 288-330
 HIGHLY SILIC CLAY WITH DETRITUS.
 5 Y 6/2 light olive gray.
 Scattered flecks of 5 Y 7/1, light gray throughout.
 Again, this material has a spongy, semi-lithified texture.
 Very silty lutite with a few, small, scattered, semi-lithified clay lumps.
 Core compaction, resulting in a VOID, in the zone 317 - 321 cm.
 G, mottled.
- 330-415
 HIGHLY SILIC CLAY/DETRITUS.
 5 Y 5/3 olive grading to 5 Y 4/3 olive.
 Faint 5 Y 5/2 olive gray mottling occurs in the zone 330 - 359 cm.
 Very silty lutite with a few, small, scattered, rock fragments which increase to abundant in the zone 390 - 415 cm.
 Two large gneissic rock fragments (1 cm) occur at 363 cm and 410 cm (ice rafted?).
 S, H.
- 415-427
 SILIC OOZE WITH DETRITUS.
 5 Y 5/2 olive gray.
 Very silty lutite with very few, small rock fragments.
 Basal contact is sharp yet very irregularly shaped.
 S, mottled.

0095

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 6 Sta. 8 Core No. 6 PC

Lithologic Log

Detailed Description

- 427-450
 SILIC OOZE WITH DETRITUS.
 5 Y 6/3 pale olive.
 Common to extensive mottling throughout with the one dominant color being 5 Y 5/2 olive gray. one large burrow cuts across the core in the zone 443 - 445 cm.
 Very silty lutite with very few, small rock fragments.
 A 5 Y 5/6 olive lamination occurs in the zone 448 - 449 cm.
 G, H.
- 450-624
 HIGHLY SILIC CLAY WITH DETRITUS.
 5 Y 5/3 olive.
 One small 5 Y 5/1 gray splotch is noted at 454 cm.
 Otherwise, the unit is homogeneous.
 Compact, very silty lutite.
 A VOID is noted at 470 - 476 cm, caused by compaction.
 END OF CORE.

0096

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 6 PC

Expedition 107Station No. 8

Leg No. 6

Total Core Length 624 cm

[illegible]

0097

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 6 Sta. 8 Core No. 6PG
Total Length 74 cm. Lat. 56° 19.0' S Long. 32° 45.2' W Depth 3150 m. (corr.)
Core condition EXCELLENT Date Described 11/4/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic

Detailed Description

Log

0-74

SILIC Ooze with detritus.

5 Y 5/3 olive.

Scattered, 5 Y 7/3 pale yellow mottles throughout.

However, extent of mottling increases in the zone 50 - 74 cm.

Very silty lutite with the mottled zones composed of a spongy, semi-lithified, biogenous rich material. A 2.5 Y 4/4 olive brown, clay rich layer is noted in the zone 0 - 2 cm.

END OF CORE.

CC98

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 6 PG

Expedition 107

Station No. 8

Leg No. 6

Total Core Length 74 cm

[illegible]

0099

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 6 Sta. 9 Core No. 77C
Total Length 538 cm. Lat. 56° 16.8'S Long. 32° 45.1'W Depth 3116m (corr)
Core condition EXCELLENT Date Described 11/8/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic

Detailed Description

0-168
SILIC OOOZE WITH DETRITUS.
5 Y 5/3 olive.
Scattered, 5 Y 7/4 pale yellow mottling throughout but more extensive in the zones 54 - 68 cm and 80 - 110 cm.
Very silty lutite with the mottled zones composed of a clay rich, semi-lithified, spongy material.
S, I-30°.

168-235
HIGHLY SILIC CLAY WITH DETRITUS.
5 Y 6/2 light olive gray grading to 5 Y 5/2 olive gray.
Slight mottling with 5 Y 8/2 white being the dominant color.
Very silty lutite with the mottled zones composed of a clay rich, semi-lithified, spongy material.
Very few, small rock fragments and semi-lithified clay lumps occur throughout.
G, mottled.

235-252
HIGHLY SILIC CLAY WITH DETRITUS.
5 Y 6/4 pale olive.
One burrow, colored 5 Y 7/3 pale yellow, occurs in the zone 247 - 249 cm.
Very silty lutite.
G, H.

252-270
HIGHLY SILIC CLAY WITH DETRITUS.
5 Y 5/2 olive gray.
Scattered 5 Y 6/2 light olive gray mottling, most extensive in zones 255 - 259 cm and 262 - 266 cm.
Very silty lutite.
Two, disjointed semi-lithified laminations, colored 5 Y 5/2 olive, occur in the zone 265 - 268 cm.
G, mottled.

270-406
HIGHLY SILIC CLAY WITH DETRITUS.
5 Y 5/2 olive gray, grading to 5 Y 5/3 olive, grading to 5 Y 5/4 olive, back to 5 Y 5/3 olive.
Slight 5 Y 5/2 olive gray mottling occurs in the zone 287 - 306 cm.
Very silty lutite.
One small rock fragment is noted at 388 cm.
G, H.

406-432
SILIC CLAY/DETRITUS.
5 Y 5/2 olive gray.
Very silty lutite with very many small rock fragments in the zone 406 - 422 cm.
Two large (ice rafted?) rock fragments occur in the zone 417 - 424 cm. Also a pocket of sand is noted at 416 - 419 cm.
S, concave downward.

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 6 Sta. 9 Core No. 7 PC

Lithologic
Log

Detailed Description

500

END OF CORE

600

432-528

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 5/3 olive

Common mottling occurs in the zone 442 - 451 cm with the dominant color being 5 Y 5/2 olive gray. A few whitish flecks occur elsewhere.

Very silty lutite with very few, scattered rock fragments.

S, irregular.

528-538

SLIGHTLY SILIC CLAY/DETRITUS.

5 Y 5/2 olive gray.

Very silty lutite with a few, small, scattered rock fragments.

Two laminations occur at the base of the core, colored 5 Y 4/2 olive-gray, at 532 - 534 cm and 5 Y 6/4 pale olive at 534 - 538 cm.

END OF CORE.

C101

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 7 PC

Expedition 107Station No. 9

Leg No. 6

Total Core Length 538 cm

[illegible]

C104

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AI Cruise 107 Leg 6 Sta. 10 Core No. 8PC
 Total Length 742 cm. Lat. 56° 17.6' S Long. 32° 38.7' W Depth 3223m (corr.)
 Core condition EXCELLENT Date Described 11/9/83 by P. Andrews
 Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic

Log

Detailed Description

0-346

SILIC OOOZE WITH DETRITUS.

5 Y 5/3 olive grading between 310 - 346 cm to a 5 Y 6/2 light olive gray.

Slight mottling throughout with proportions nearing extensive in the zones 0 - 17 cm, 40 - 51 cm, 130 - 170 cm, and 205 - 270 cm.

Very silty lutite with the mottled zones composed of a semi-lithified, spongy, biogenous rich material. Very G, H.

346-420

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 5/2 olive gray.

Very slight mottling with the dominant color being 5 Y 8/1 white.

Very silty lutite with the mottled zones composed of semi-lithified, spongy, biogenous rich material. A lithified lump of sand is noted at 382 - 384 cm.

Very G, H.

420-480

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 6/2 light olive gray grading to 5 Y 5/2 olive gray. Slight mottling in the zone 420 - 432 cm.

Very silty lutite, with the mottles composed of a semi-lithified, spongy, biogenous rich material.

Very G, H.

480-616

SILIC OOOZE WITH DETRITUS TO SILIC CLAY/DETRITUS.

5 Y 6/2 light olive gray, grading to 5 Y 6/4 pale olive, back to 5 Y 6/2, and finally to 5 Y 5/2 olive gray.

Slightly mottled in the zone 480 - 590 cm.

Very silty lutite with the mottles composed of a semi-lithified spongy, biogenous rich material.

Three large (2 cm) rock fragments are noted in the zone 609 - 613 cm. These (ice rafted?) fragments are surrounded by an assortment of small, sand-sized rock fragments. Also a VOID is noted at the top of the liner at 590 - 594 cm.

616-690

SILIC CLAY WITH DETRITUS

5 Y 6/2 light olive gray grading to 5 Y 6/1 gray.

Very slightly mottled in the zone 616 - 657 cm. Also, two burrows colored 5 Y 5/2 olive gray occur at 621 cm and 626 cm.

Very silty lutite with a texture that grades from spongy to compact in the zone 656 - 659 cm. S, H.

C105

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AI Cruise 107 Leg 6 Sta. 10 Core No. 8PC

Lithologic
Log

Detailed Description

690-742

SILIC CLAY WITH DETRITUS.

5 Y 6/4 pale olive.

Slightly mottled throughout, characterized mostly by a lumpy texture.

Very silty lutite, spongy.

A 1 cm band of 5 Y 5/1 gray sediment, terminated by a (0.5 cm) rock fragment, occurs in the zone.

712 - 713 cm.

END OF CORE.

C106

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 8 PC
Expedition 107 Station No. 10
Leg No. 6 Total Core Length 742 cm

[illegible]

C107

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 6 Sta. 10 Core No. 8PG
Total Length 69 cm. Lat. 56° 17.6'S Long. 32° 38.7'W Depth 3223m (corr)
Core condition EXCELLENT Date Described 11/9/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Lithologic Log

Detailed Description

0-69

SILIC OOZE WITH DETRITUS.
5 Y 5/3 olive.
Slight 5 Y 8/2 white mottling scattered throughout.
Very silty lutite with the mottled zones composed
of a semi-lithified, spongy, biogenous rich material.
A inclined (20°), 10 YR 3/3 dark brown lamination is
noted spanning the core at 2 - 4 cm. Also a VOID
is noted at 66 - 69 cm due to poor core recovery.
END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATL Core No. 8 PG
Expedition 107 Station No. 10
Leg No. 6 Total Core Length 69 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 6 Sta. 11 Core No. 96C
Total Length 117 cm. Lat. 56° 11.7' S Long. 32° 28.7' W Depth 3223m (corr)
Core condition EXCELLENT Date Described 11/14/82 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC
Lithologic _____

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 9 GC
Expedition 107 Station No. 11
Leg No. 6 Total Core Length 117 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATI Cruise 107 Leg 6 Sta. 12 Core No. 10PC
Total Length 718 cm. Lat. 56° 17.4'S Long. 32° 41.7'W Depth 3273m (corr)
Core condition EXCELLENT Date Described 11/5/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC
Lithologic

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 6 Sta. 12 Core No. 10 Pc

Lithologic
Log

Detailed Description

497-593

SILIC TO SLIGHTLY SILIC CLAY WITH DETRITUS.

2.5 Y 6/4 light yellowish brown.

A faint 10 YR 4/3, dark brown mottling grading to common mottling is noted in the zone 497 - 546 cm. The mottling grades back to faint with a simultaneous color change to 2.5 Y 5/2 grayish brown in the zone 546 - 593 cm.

Very silty lutite with small rock fragments scattered throughout.

G. H.

593-718

SLIGHTLY SILIC CLAY/DETRITUS.

2.5 Y 6/4 light yellowish brown.

Common mottling occurs in discrete zones located @ 623 - 630 cm, 634 - 643 cm, 653 - 670 cm and 679 - 686 cm with the dominant color being 10 YR 3/2 very dark grayish brown.

Very silty lutite with a few, small rock fragments scattered throughout.

4 (Ice rafted?) pebble sized fragments are noted @ 625 cm, 669 cm, 709 cm and 715 cm.

END OF CORE.

C113

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 10 PC

Expedition 107

Station No. 12

Leg No. 6

Total Core Length 718 cm

[illegible]

C114

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 12 Core No. 10PG
Total Length 32 cm. Lat. 56° 12.4' S Long. 32° 41.3' W Depth 3273 m (corn)
Core condition GOOD Date Described 4/14/83 by P. Andrew
Physiographic location SCOTIA SEA S.W. ATLANTIC

Detailed Description

0-6
HIGHLY SILIC CLAY/DETRITUS.
5 Y 6/4 pale olive.
Very silty lutite with many, small, sand sized
rock fragments throughout.
G, H.

6-32
HIGHLY SILIC CLAY/DETRITUS.
5 Y 5/4 olive.
Very silty rudite with very many pebble sized rock
fragments throughout.
Pebbles most extensively distributed in the zones
8 - 15 cm and 20 - 32 cm. Also, a small piece
of wood is noted in the zone 11 - 13 cm.
END OF CORE.

C115

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 10 PG
Expedition 107 Station No. 12
Leg No. 6 Total Core Length 32 cm

[illegible]

C116

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 6 Sta. 13 Core No. 11PC
 Total Length 610 cm. Lat. 56° 16.9' S Long. 32° 38.4' W Depth 3260m (corr.)
 Core condition EXCELLENT Date Described 11/17/83 by Paul Andrew
 Physiographic location SCOTIA SEA, W. OF S. SANDWICH ISLANDS

Lithologic
Log

Detailed Description

0-246

SILIC OOZE WITH DETRITUS.

5 Y 5/3 olive.

Slight 5 Y 6/4 pale olive mottling scattered throughout. Two large burrow shaped mottles are located at 157 cm and 228 cm.

Silty lutite with the mottled zones composed of a spongy, semi-lithified biogenous material. One cobble sized quartzite fragment (Ice rafted?) is located in the zone 37 - 46 cm.

H, G.

246-279

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 5/2 olive gray.

Very faint 5 Y 5/3 olive mottling scattered throughout.

Very silty lutite with very few semi-lithified clay lumps scattered throughout.

G, mottled.

279-392

SILIC OOZE WITH DETRITUS.

5 Y 5/3 olive.

Very slight 5 Y 6/2 light olive gray mottling in the zone 279 - 321 cm grading to very slight mottling dominantly colored 5 Y 5/2.

Very silty lutite with very few semi-lithified clay lumps in the zone 330 - 344 cm. The 5 Y 6/2 light olive gray mottling is again composed of a spongy, biogenous rich material.

A lamination of 5 Y 5/2 olive gray sediment is noted in the zone 330 - 339 cm.

H, G.

392-502

SILIC OOZE WITH DETRITUS GRADING TO SILIC CLAY/DETRITUS.

5 Y 5/4 olive grading to 5 Y 4/2 olive gray.

Slight 2.5 Y 5/6 light olive brown mottling in the 392 - 473 cm.

Silty lutite grading to very silty lutite. A few rock fragments are scattered throughout but increase to abundant in the zone 487 - 501 cm.

The gradational contact is somewhat inferred as the core liner terminates at the zone of gradation. S, mottled.

C117

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 6 Sta. 13 Core No. 11PC

Lithologic
Log

Detailed Description

502-571

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 4/1 dark gray.

Very slight 5 Y 7/2 light gray mottling throughout. Also, a few 5 Y 4/2 olive gray burrows are noted in the zone 502 - 513 cm.

Very silty lutite.

S, mottled.

571-610

SILIC OOZE WITH DETRITUS.

5 Y 5/3 olive.

A series of dispersed burrows occur in the zone

578 - 597 cm dominantly colored 5 Y 4/1 dark gray.

Very silty lutite.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 11 PC
Expedition 107 Station No. 13
Leg No. 6 Total Core Length 610 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 13 Core No. 11PG
Total Length 107 cm. Lat. 56° 16.9' S Long. 32° 38.4' W Depth 3260m (corr.)
Core condition EXCELLENT Date Described 4/17/83 by Paul Andrew
Physiographic location SCOTIA SEA, W. OF S. SANDWICH ISLANDS

Lithologic
Log

Detailed Description

0-107

SILIC OOOZE WITH DETRITUS GRADING TO A SILIC OOOZE.
5 Y 5/3 olive.
Slight 5 Y 6/4 pale olive mottling scattered
throughout. One large burrow shaped mottle is
located at 11 cm.
Silty lutite with the mottled zones composed of
a spongy, semi-lithified biogenous rich material.
END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 11 PG
Expedition 107 Station No. 13
Leg No. 6 Total Core Length 107 cm

[illegible]

Page 1 of 2

Ship AII Cruise 107 Leg 6 Sta. 17 Core No. 14PC
Total Length 740 cm. Lat. 55° 16.7'S Long. 22° 10.1'W Depth 3926m (corr.)
Core condition EXCELLENT Date Described 1/21/82 by Paul Andrew
Physiographic location LOWER W. FLANK, M.A.R. / S.W. ATLANTIC
Lithologic _____

Detailed Description

Log

0-58

SILIC OOZE WITH DETRITUS.

10 YR 3/3 dark brown grading to 10 YR 5/4 yellowish brown.

Extensively mottled, 10 YR 8/3 very pale brown, resulting in an overall spongy appearance.

Very silty lutite with the mottled zones composed of a spongy biogenous rich material.

S, convexo-concave.

58-74

HIGHLY SILIC CLAY WITH DETRITUS.

5 YR 3/4 dark reddish brown.

Extensive 10 YR 6/2 light brownish gray mottling in the zone 66 - 73 cm.

Very silty lutite with the mottled zones composed of a spongy biogenous rich material.

S, mottled.

74-278

SILIC CLAY WITH DETRITUS TO HIGHLY SILIC CLAY WITH DETRITUS.

10 YR 6/2 light brownish gray.

Common mottling, dominantly colored 10 YR 3/3 dark brown, is noted as occurring on discrete bands mostly in the zones 100 - 150 cm and 225 - 275 cm.

Very silty lutite with many small rock fragments scattered throughout. These fragments increase in size and abundance in the zone 180 - 204 cm.

The mottled zones are themselves mottled a 10 YR 6/3 pale brown, which is noted as occurring in a scattered fashion in the zone 100 - 278 cm.

G, mottled.

278-442

HIGHLY SILIC CLAY/DETRITUS.

10 YR 5/3 brown grading to 10 YR 6/3 pale brown.

Slight 10 YR 7/3 very pale brown mottling scattered throughout.

Very silty lutite with many small rock fragments scattered throughout. The mottles again consist of biogenous rich material.

Two pebbles are noted in the zone 339 - 344 cm.

Also a pocket of sand is noted at 400 - 402 cm.

S, Mottled.

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship ATI Cruise 107 Leg 6 Sta. 17 Core No. 14PC

Lithologic Log

Detailed Description

442-660

HIGHLY SILIC CLAY WITH DETRITUS.

10 YR 7/3 very pale brown grading to 10 YR 6/3 pale brown.

Slight 10 YR 4/2 dark grayish brown mottling occurs in the zone 510 cm - 660 cm. However, the mottling increases to extensive in the zone 525 - 532 cm.

Very silty lutite with a few small rock fragments scattered throughout.

Again, a slight 10 YR 8/1 white mottling is superimposed over the more extensively mottled zones and is in fact noted occurring throughout the entire unit.

H. G.

660-740

SILIC CLAY WITH DETRITUS TO HIGHLY SILIC CLAY
WITH DETRITUS.

2.5 Y 6/4 light yellowish brown.

Very faint 10 YR 8/1 white flecks are scattered throughout. Also a 1 cm wide vertical burrow is noted in the zone 666 - 695 cm.

Very silty lutite with a few small rock fragments scattered throughout.

Very fine laminations occur in the zones 677 - 696 and 722 - 730 cm, dominantly colored 7.5 YR 3/2 dark brown.

END OF CORE.

C123

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 14 PC

Expedition 107

Station No. 17

Leg No. 6

Total Core Length 740 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 6 Sta. 18 Core No. 1566C
Total Length 71 cm. Lat. 55° 6.45' Long. 21° 58.5' W Depth 4119 m (corr.)
Core condition EXCELLENT Date Described 11/19/83 by Paul Andrus
Physiographic location LOWER WEST FLANK, M.A.R.; S.W. ATLANTIC
Lithologic Log Detailed Description

Detailed Description

0 Log

50

END OF CORE

0-6

SILIC Ooze.

2.5 Y 5/6 light olive brown.

One disjointed burrow exists in the zone 2 - 3 cm, dominantly colored 5 Y 7/2 light gray.

Very silty lutite with very few, small rock fragments scattered throughout. Also, the noted burrow consists of a spongy, biogenous rich material. G. mottled.

6-66

SILIC OOZE WITH DETRITUS

10 YR 3/3 dark brown grading to 10 YR 4/3 dark brown
back to 10 YR 3/3.

Extensively mottled throughout with various intermixing of the two major colors described. Also many large burrows are noted, especially in the zones 8 - 15 cm, 27 - 35 cm and 51 - 55 cm with the dominant color being 10 YR 8/2 white.

Very silty lutite with very few, small rock fragments scattered throughout. Again, the burrows are composed of a spongy biogenous rich material.

One pebble sized rock fragment is noted in the zone
30 - 31 cm (Ice rafted?)

G, mottled.

66-71

SILIC Ooze with detritus.

10 YR 5/3 brown.

Very faint 10 YR 7/2 light gray mottles scattered throughout.

Very silty lutite.

END OF CORE.

C127

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 15 GGC

Expedition 107Station No. 18

Leq No. 6

Total Core Length 71 cm

[illegible]

C128

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATL Cruise 107 Leg 6 Sta. 20 Core No. 16PC
 Total Length 985 cm. Lat. 54° 51.4'S Long. 17° 52.1'W Depth 4119m (corr.)
 Core condition EXCELLENT Date Described 11/27/83 by Paul Andrew
 Physiographic location LOWER W. FLANK, M.A.R., S.W. ATLANTIC

Lithologic

Log

Detailed Description

0-44

SILIC OOEZE

10 YR 6/3 pale brown.

Very slight 10 YR 8/2 white mottles scattered throughout. Also, mottled bands of 10 YR 5/3 brown sediment dominate the zone 6 - 30 cm.

Lutite to slightly silty lutite. The white mottles are composed of a spongy, biogenous rich material. Note: The ARCHIVE half of Sec. #6 has been sampled. S, H.

44-111

SILIC OOEZE

10 YR 7/3 very pale brown grading to 10 YR 7/4 very pale brown grading to 10 YR 6/2 light brownish gray.

Slight 10 YR 8/1 white mottling is noted in the zones 44 - 66 cm and 93-109 cm. Many of the mottles have a "burrow-like" appearance.

Lutite grading to slightly silty lutite. The mottled zones are again biogenous rich and small rock fragments are scattered throughout the unit.

A weathered fragment of pumice is noted in the zone 103 - 107 cm. Also a series of thin 10 YR 8/6 yellow laminations occur in the zone 84 - 90 cm.

H, G.

111-221

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 5/3 olive grading to 2.5 Y 6/4 light yellowish brown.

Very slight 10 YR 8/2 white mottling noted in the zones 111 - 120 cm, 145 - 154 cm and 194 - 218 cm. Silty to very silty lutite with many small rock fragments throughout.

An extensive distribution of rock fragments is noted in the zone 162 - 178 cm.

S, H.

221-394

HIGHLY SILIC CLAY WITH DETRITUS.

5 Y 5/4 olive, grading sporadically to 5 Y 5/3 olive. Very slight 10 YR 8/2 white mottling scattered throughout the zone 279 - 394 cm.

Very silty lutite with many small rock fragments scattered throughout.

A band of 10 YR 4/2 dark grayish brown sediment is noted in the zone 224 - 229 cm. Also a 1 cm pumice fragment is noted @ 256 cm.

S, I - 20°.

C129

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship ATL Cruise 107 Leg 6 Sta. 20 Core No. 16PC

Lithologic
Log

Detailed Description

394-497

SILIC OOEZE WITH DETRITUS

10 YR 7/3 very pale brown grading to 10 YR 6/3 pale brown.

Slightly mottled throughout with 10 YR 7/6 yellow being the dominant color.

Silty lutite with many very small rock fragments scattered throughout.

H, G.

497-564

SILIC OOEZE

10 YR 6/2 light brownish gray grading to 10 YR 7/3 very pale brown.

Slight 10 YR 8/2 white mottling finely scattered throughout.

Very silty lutite with a few small rock fragments scattered throughout.

A series of 10 YR 6/4 light yellowish brown laminations occur in the zone 542 - 549 cm.

S, H.

564-812

SILIC OOEZE

10 YR 7/3 very pale brown.

Slight 10 YR 7/1 light gray mottling scattered throughout. Also, 10 YR 4/1 dark gray mottling noted as common in the zones 716 - 742 cm and 763 - 788 cm with extensive 10 YR 3/3 dark brown mottling in the zone 636 - 650 cm.

Silty lutite with many small rock fragments scattered throughout.

One large pumice fragment is noted in the zone 731 - 734 cm and spans the core liner. Also a series of fine 10 YR 6/4 light yellowish brown laminations occur in the zones 670 - 672 cm and 749 - 754 cm.

812-885

SILIC OOEZE

10 YR 6/2 light brownish gray.

Slight 10 YR 8/1 white mottling throughout, superimposed over this is a 10 YR 5/2 grayish brown mottling in the zones 817 - 829 cm and 876 - 882 cm. Slightly silty lutite with very few small rock fragments throughout.

A band of 10 YR 5/2 grayish brown sediment is noted in the zone 863 - 869 cm.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 16 PC
Expedition 107 Station No. 20
Leg No. 6 Total Core Length 885 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 20 Core No. 16PG
Total Length 83 cm. Lat. 54°51.4'S Long. 17°52.1'W Depth 4119 m (corr.)
Core condition EXCELLENT Date Described 11/27/83 by Paul Andrew
Physiographic location LOWER W. FLANK, M. A. R., S.W. ATLANTIC

Lithologic

Detailed Description

Log

0-20

SILIC Ooze

10 YR 6/4 light yellowish brown.

Very slight 10 YR 8/2 white mottling scattered throughout.

Firm lutite with the mottled zones composed of a spongy, biogenous rich sediment.

S. H.

20-83

SILIC Ooze

10 YR 6/4 light yellowish brown.

Very slight 10 YR 8/2 white mottling scattered throughout. The larger mottles are burrow like. Firm lutite with the brown laminations being slightly silty.

Thin intercalated bands of 10 YR 5/3 brown sediment occur regularly throughout the unit.

END OF CORE.

Note: Due to a simultaneous comparison with 16 PC, it is obvious that core compaction has occurred in 16 PC.

C132

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 16 PG

Expedition 107Station No. 20

Leg No. 6

Total Core Length 83 cm

[illegible]

C133

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 21 Core No. 17668
Total Length 21 cm. Lat. 54° 56.6' S Long. 17° 56.0' W Depth 4237 m (corr)
Core condition EXCELLENT Date Described 4/18/83 by Paul Andrew
Physiographic location W. FLANK, MID-ATLANTIC RIDGE, S. ATLANTIC

Lithologic Log

Detailed Description

0-21

SILIC OOZE WITH DETRITUS.

10 YR 6/3 pale brown.

Extensively burrowed in the zone 6 - 15 cm, with each burrow penetrating one-half of the way across the core. The color grades from a 10 YR 7/2 light gray near the top of this zone, to a 10 YR 7/4 very pale brown, near the bottom.

Very silty lutite with very few, small rock fragments and semi-lithified clay lumps scattered throughout. The mottled zones consist of a spongy, semi-lithified biogenous material.

A worm burrowed/decayed piece of wood is noted in the zone 18 - 20 cm. Also a Mn-encrusted, pebble-sized rock fragment occurs in the zone 13 - 14 cm. (Ice rafted?).

END OF CORE.

C134

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL Core No. 17 GGC
Expedition 107 Station No. 21
Leg No. 6 Total Core Length 21 cm

[illegible]

C135

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 6 Sta. 24 Core No. 1966C
Total Length 244 cm. Lat. 54° 54.5' S Long. 8° 43.1' W Depth 3288m (corr)
Core condition EXCELLENT Date Described 11/22/83 by Foul Andrew
Physiographic location W. FLANK, M.A.R., S. ATLANTIC
Lithologic

Ship ATI Cruise 107 Leg 6 Sta. 24 Core No. 1966C

Lithologic Log

Detailed Description

197-244

HIGHLY SILIC CLAY WITH DETRITUS.

10 YR 7/2 light gray.

Faint 10 YR 7/3 pale brown mottles in the zone 197 - 237 cm. Also 10 YR 4/1 dark gray flecks exist throughout.

Very silty lutite with many small rock fragments scattered throughout.

An irregular 10 YR 5/3 brown band is noted in the zone 236 - 241 cm.

END OF CORE.

C137

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 19 GGC

Expedition 107Station No. 24

Leg No. 6

Total Core Length 244 cm

[illegible]

VISUAL CORE DESCRIPTION

Ship A II Cruise 107 Leg 6 Sta. 27 Core No. 2166C
Total Length 58 cm. Lat. 54° 45' 25 Long. 3° 31' 1" W Depth 292m (corr.)
Core condition EXCELLENT Date Described 11/27/83 by Paul Andrew
Physiographic location W. FLANK M.A.R. S.W. ATLANTIC

Lithologic
Log

Detailed Description

0-29

DIATOM OOZE.

10 YR 8/3 very pale brown grading to 10 YR 7/3
very pale brown.

Common 10 YR 4/4 dark yellowish brown mottling
noted in the zone 4 - 14 cm.

Slightly silty, spongy lutite.

A 1 cm wide burrow, colored 10 YR 5/4 yellowish brown, is noted spanning the core in the zone 25 - 29 cm.

S. H.

29-35

DIATOM OOZE.

10 YR 5/4 yellowish brown.

Extensive 10 YR 3/2 very dark grayish brown mottling
in the zone 32 - 35 cm.

Slightly silty, spongy, lutite.

S, mottled.

35-58

DIATOM OOZE.

10 YR 8/3 grading to 10 YR 7/3 very pale brown.
Faint 2.5 Y 6/4 light yellowish brown mottling :
the zones 42 - 47 cm and 56 - 58 cm.

Silty, spongy lutite.

One "burrow like" blob, colored 10 YR 4/3 brown,
is noted at 41 cm.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 21 GGC

Expedition 107Station No. 27

Leg No. 6

Total Core Length 58 cm

[illegible]

C140

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 6 Sta. 30 Core No. 2266C
 Total Length 194 cm. Lat. 54° 42' 5" S Long. 3° 12' 8" W Depth 2768 m (corr)
 Core condition EXCELLENT Date Described 11/21/82 by Paul Andrew
 Physiographic location W. FLANK, M.A.R., S.W. ATLANTIC

Lithologic
Log

Detailed Description

- 0-21
 SILIC-CALC OOEZE.
 10 YR 7/3 very pale brown.
 Very faint 10 YR 6/4 light yellowish brown mottling throughout.
 Silty lutite with a few sand-sized rock fragments scattered throughout.
 G, H.
- 21-49
 SILIC-CALC OOEZE
 10 YR 8/3 very pale brown.
 Slight 10 YR 7/2 light gray mottling in the zone 21 - 29 cm.
 Slightly silty lutite with very few sand-sized rock fragments throughout, but increasing to abundant in the zone 44 - 49 cm.
 A burrow is noted spanning the core in the zone 42 - 45 cm colored 10 YR 6/4 light yellowish brown.
 S, mottled.
- 49-57
 HIGHLY SILIC-CALC CLAY
 10 YR 5/4 yellowish brown.
 Slight 10 YR 8/1 white mottling in the zone 49 - 55 cm, changing to common 10 YR 3/2 very dark grayish brown mottling from 55 - 57 cm.
 Very silty lutite with abundant small rock fragments in the zone 41 - 51 cm with a scattered distribution elsewhere.
 S, mottled.
- 57-85
 SILIC-CALC CLAY
 2.5 Y 6/2 light brownish gray.
 Slight 10 YR 5/3 brown mottling scattered throughout.
 Very silty lutite with many small rock fragments throughout.
 A biogenous filled burrow spans 3/4 of the liner in the zone 71 - 72 cm, colored 10 YR 8/1 white.
 G, H.
- 85-134
 HIGHLY SILIC-CALC CLAY
 10 YR 5/3 brown.
 Slight 2.5 Y 6/2 light brownish gray mottling throughout but increasing to common in the zone 114 - 130 cm.
 Very silty lutite with abundant small rock fragments throughout.
 A few pebble-sized rock fragments are noted in the zone 113 - 130 cm along with two pockets of sand.
 S, I - 10°.

C141

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 6 Sta. 30 Core No. 2266C

Lithologic
Log

Detailed Description

- 134-162
 SILIC-CALC CLAY
 2.5 Y 6/2 light brownish gray.
 Slight 10 YR 5/3 brown mottling scattered throughout.
 Very silty lutite with many small rock fragments throughout.
 A small pebble-sized Mn-encrusted pumice fragment is noted at 154 cm.
- 162-194
 HIGHLY SILIC-CALC CLAY.
 10 YR 5.3 brown grading to 2.5 Y 6/2 light brownish gray.
 Slight 10 YR 3/2 very dark grayish brown mottling in the zone 174 - 176 cm.
 Very silty lutite with abundant rock fragments throughout.
 A large compaction VOID is noted in the zone 190 - 194 cm.
 END OF CORE.

Q142

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 22 GGC
Expedition 107 Station No. 30
Leg No. 6 Total Core Length 194 cm

[illegible]

0144

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 6 Sta. 42 Core No. 23 GC
Total Length 22 cm. Lat. 54° 25' 43" Long. 1° 21' 31" W Depth 2012 m (corr.)
Core condition EXCELLENT Date Described 12/20/83 by Paul Andrew
Physiographic location TOP OF WEST WALL BOUVET F.Z.

Lithologic

Detailed Description

0 Log

20

END OF CORE

0-22

HIGHLY SILIC-CALC CLAY GRADING TO HIGHLY CALC-SILIC
CLAY/DETTRITUS
2.5 Y 4/2 dark grayish brown.
Common 2.5 Y 6/2 light brownish gray mottling occurs
in the zone 0 - 11 cm.
Very silty lutite with abundant forams. Also a few,
small, pebble-sized rock fragments are noted
throughout.
END OF CORE.

C146

Page 1 of 1

Ship AII Cruise 107 Leg 6 Sta. 70 Core No. 2568C
Total Length 170 cm. Lat. 47° 32.1'S Long. 7° 45.8'E Depth 2473m (corr.)
Core condition EXCELLENT Date Described 13/5/83 by Paul Andrew
Physiographic location NEAR METEOR SEAMOUNT, S.E. ATLANTIC
Lithologic

Ship: ATI Core No. 23 GC
Expedition 107 Station No. 42
Leg No. 6 Total Core Length 22 cm

[illegible]

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL Core No. 25 GGC
Expedition 107 Station No. 70
Leg No. 6 Total Core Length 170 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATL Cruise 107 Leg 9 Sta. 71 Core No. 26PC
Total Length 942 cm. Lat. 47° 17' S Long. 7° 54' E Depth 1885m
Core condition EXCELLENT Date Described 8/5/82 by T. CHEN
Physiographic location SOUTHERN ATLANTIC, OFF SVA AFRICAN COAST

Lithologic

Log

Detailed Description

BOTTOM OF CORE
942cm

0-7

SILIC-CALC 00ZE
5Y 7/2 light gray.
Firm, slick lutite.
Appears washed and re-suspended.
S. H.

7-92

CALC-SILIC OOZE GRADES INTO SILIC-CALC OOZE
5Y 8/1 white grades to 5Y 8/1 white.
Hard, coarse lutite.
Grayish 6 mm dia. pebble; also, black 0.5 - 1 mm
angular grains, 65-68 cm depth. Also, black grains
as above, 79 cm to base of unit. Also, black pebble
sub-Ang., 4 mm long at 92 cm. Darker laminations at
77-79 cm; thinner laminations at 81 cm, approximately
5 mm thick, at 70-86 cm, less uniform color, and
less coarse.
S, I - 30°.

92-153

NANNO OOZE
2.5 GY, 8/0 very white grades to 10 YR 8/2 white mottling
at 136-141 cm; coarser, rimmed, dark mottle.
Silty lutite with increasing forams between 105-117 cm.
Silty lutite with common forams between 117-152 cm.
Hard.
Black fragments (0.5-2 mm size), subangular, scattered
in 117-124 cm depth. At 111-112 cm, sediment appears
washed and re-suspended.
S, H slightly disturbed.

153-467

CALC-SILIC Ooze
5Y 6/3 pale olive grades to 5Y 8/1 white, then alternates with 5Y 7/3 pale yellow.
Dark, coarse mottles at 201-204 cm, 230-234 cm, 330-351 cm, 460-461 cm; light, finer mottle, color of overlying subunit.
Very silty lutite with common forams when dark, forams more abundant when light.
Black fragments, 2 mm size, subangular, at 158-161 cm, 0.5 mm grains at 229-234 cm, 0.5-2 mm grains at 266-272 cm; 0.5-1.0 mm at 315-334 cm; 3.0 mm pebble at 350.5cm; 0.5-1.0 mm at 359-362 cm; 0.5 mm grains at 377-383 cm; 5 mm pebble at 459 cm with 1.0-1.5 mm fragments at 456-463 cm. Desiccation crack at 214 cm. Darker subunits at 152-172 cm; 202-236 cm; 273-286 cm, 321-326 cm, 377-383 cm, 404-422 cm. Dark subunits occur more coarse.
G. H.

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship ATL Cruise 107 Leg 9 Sta. 71 Core No. 26PC

Lithologic Log

Detailed Description

467-531

CALC-SILIC OOZE

5Y 8/1 white.

Faint, nondistinct, darker mottles at 480 cm, 498 cm, 518 cm; averaging 1-2 cm in diameter.
Very silty lutite with abundant forams.
G. H.

531-696

INTERBEDDED CALC-SILIC, SILIC-CALC OOZE

5Y 6/4 pale olive grades to 5Y 8/1 white.

1 cm wide dark gray mottle at 610-611 cm. 5 mm thick mottles, colored like overlying subunit at 667 cm and 669 cm.

Hard, very silty lutite with abundant forams.

VOID at 534-538 cm; 538-540 cm looks washed and resuspended. Pebble (0.2 x 5 mm) at 620 cm rounded and black. Alternating light and dark subunits throughout. 1 cm deep gap in archived half at 691-696 cm, probably water gap.

G. H.

696-942

CALC-SILIC Ooze

5Y 7/2 light gray.

Small, dark mottles, crescent-shaped, scattered throughout unit, especially common 737-818 cm.

Hard, very silty lutite with abundant forams.

Pebble, 5 mm diameter, black at 739 cm.

BOTTOM OF CORE.

Section 3. Control

C150

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 26 PC

Expedition 107 -

Station No. 71

Leg No. 6

Total Core Length 942 cm

[illegible]

0151

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 107 Leg 6 Sta. 72 Core No. 27PC
 Total Length 825 cm. Lat. 46° 49.3'S Long. 8° 0.5'E Depth 2270 m
 Core condition Excellent Date Described 8/10/82 by T. Chen
 Physiographic location South Atlantic, off S. Africa

Lithologic Log

Detailed Description

0152

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 107 Leg 6 Sta. 72 Core No. 27PC

Lithologic Log

Detailed Description

0154

VISUAL CORE DESCRIPTION

Page 1 of 1

Core No. 27 PC

Station No. 92

Total Core Length 825 cm

[illegible]

Ship A II Cruise 107 Leg 6 Sta. 72 Core No. 27 PG
Total Length 60 cm. Lat. 46° 49.3' S Long. 8° 00.5' E Depth 2270 m. (corr.)
Core condition EXCELLENT Date Described 4/3/84 by Paul Andrew
Physiographic location NEAR METEOR SEAMOUNT, S.E. ATLANTIC
Lithologic _____

Lithologic

Detailed Description

CALC Ooze Grading to Calc-Silic Ooze

10 YR 8/1 white.

Very silty lutite with very abundant forams throughout.

A few sand-sized rock fragments noted throughout with slight increases in size and abundance occurring in the zone 54 - 60 cm.

END OF CORE.

0155

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 27

Expedition 107

Station No. 72

Leg No. 6

Total Core Length 60 cm

[illegible]

C156

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 6 Sta. 73 Core No. 2866C
Total Length 154 cm. Lat. 46°52.5' Long. 7°32.5'E Depth 2517m (core)
Core condition EXCELLENT Date Described 3/5/89 by Paul Andrew
Physiographic location NEAR METEOR SEAMOUNT, S.E. ATLANTIC
Lithologic

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 6 Sta. 73 Core No. 2866C

Lithologic Log

Detailed Description

119-154

CALC-SILIC Ooze

10 YR 8/2 white.

Extensive 10 YR 8/1 white mottling, and banding, spans 1/2 the width of the core throughout the entire length of this unit. This sediment is a clean nanno ooze and in extreme textural contrast to the matrix sediment.

Very silty lutite with pockets of sand-sized rock fragments scattered throughout. These fragments also are noted to be dispersed, singularly, throughout the matrix sediment, which has a common foram distribution.

Three large, pebble-sized quartzite fragments noted in the zone 119 - 122 cm (Ice rafted?). Also a 3 cm wide vertical burrow, filled with abundant sand-sized rock fragments, noted in the zone 139 - 152 cm.

END OF CORE

C158

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 28 GGC

Expedition 107Station No. 73

Leg No. 6

Total Core Length 154 cm

[illegible]

C159

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 107 Leg 6 Sta. 76 Core No. 31 PC
 Total Length 997 cm. Lat. 47°09.75'N Long. 8°03.3'E Depth 1690m (corr)
 Core condition EXCELLENT Date Described 4/13/84 by Paul Andrew
 Physiographic location NEAR METEOR SEAMOUNT, S.E. ATLANTIC

Lithologic Log

Detailed Description

0-39

CALC-SILIC OOZE

5 Y 8/3 pale yellow.

Very silty lutite, with very abundant forams and a few sand-sized rock fragments throughout. Most of the top of the core is missing in the zone 0-7 cm. Also, the sand-sized rock fragments grade rapidly to a common distribution in the zone 35 - 39 cm.

S, Irregular.

39-51

CALC-SILIC OOZE

A mixture of 5 Y 8/4 pale yellow and 10 YR 8/1 white. Thinly intercalated (.5-1 cm) irregular beds of the described "unit colors". However, a more massive, coring disturbed, white layer tops the unit in the zone 39 - 43 cm.

Very silty lutite, with very abundant forams and a few sand-sized rock fragments.

The noted coring disturbance is "edge dragged" sediment, from the unit above, along the sides of the core.

G, Mottled.

51-63

CALC-SILIC OOZE

10 YR 8/1 white.

Very silty lutite, with very abundant forams and a few sand-sized rock particles throughout.

Slightly greater abundances of sand noted within 2 cm of the basal contact.

G, H.

63-83

CALC-SILIC OOZE

10 YR 7/3 very pale brown changing to 10 YR 8/1 white grading to 10 YR 8/3 very pale brown.

Scattered inter-mixing/mottling occurs between the described "unit colors".

Very silty lutite with very abundant forams, scattered sand-sized rock fragments throughout.

The very pale brown layers are terminated by 2 cm wide conglomerations of pebble-sized rock fragments in the zones 68 - 70 cm and 81 - 83 cm.

Very S, irregular.

83-135

NANNO OOZE

10 YR 8/1 white grades to 10 YR 8/2 white.

Slightly silty lutite with a few forams, grading to very silty lutite with very abundant sand-sized rock fragments and forams in the zone 124 - 135 cm.

Very S, irregular.

C160

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 6 Sta. 76 Core No. 31 PC

Lithologic Log

Detailed Description

135-149

SILIC-CALC OOZE

10 YR 8/2 white.

This unit has an overall spongy texture but is interbedded with a more foram abundant, textually sandy type sediment, in the zone 137 - 139 cm.

Silty to very silty lutite with abundant to very abundant forams. A few sand-sized rock fragments scattered throughout.

A VOID at the top of section 6 noted in the zone 145-149 cm.

Unknown due to VOID.

149-309

INTERCALATED CALC OOZE, CALC-SILIC AND SILIC-CALC OOZE.

Thickly, gradationally intercalated sequences of 5Y 6/4, 7/3 and 8/1 pale olive, pale yellow and white respectively.

Much inter-mixing/mottling occurs between the "unit colors" in the gradational zone. However, a common 5Y 7/2 light gray, hazy mottling overprints most of this unit but is most apparent in the white colored sediment.

Very silty lutite with very abundant forams. Also, a few sand-sized rock fragments are noted throughout but with an irregular distribution.

A few semi-lithified lumps of lutite noted in the zone 165 - 195 cm. In this same area is a 1 cm by 4 cm pumice(?) fragment located at 192 - 193 cm.

G, H.

309-439

INTERCALATED CALC OOZE, CALC-SILIC AND SILIC-CALC OOZE

Same color as the above unit, but much sharper colors and contacts are noted between the "unit colors".

Same as the above unit but the gradational zones are much thinner. Also the 5Y 7/2 light gray mottling, is much more restricted and noted occurring to a lesser degree.

Very silty lutite with very abundant forams. Very few sand-sized rock fragments, mostly in the zone 323 - 331 cm.

A few semi-lithified lumps of lutite noted in the zones 331 - 333 cm.

G, H.

439-548

INTERCALATED CALC-SILIC TO SILIC-CALC OOZE

A multiply repeated cycle of initially sharp contacts of 5Y 7/3 pale yellow grading to 5Y 8/1 white.

A few anomalous splotches of 5Y 7/3 pale yellow are noted in a white layer in the zone 511 - 523 cm.

Very silty lutite with very abundant forams. Very few, large, sand-sized rock fragments spread throughout.

G, disturbed.

Ship AII Cruise 107 Leg 6 Sta. 76 Core No. 31PC

Lithologic Log

Detailed Description

548-583

CALC OOZE

10 YR 8/1 white

Very silty lutite with very abundant forams.

G. H.

583-886

INTERCALATED CALC-SILIC TO SILIC-CALC OOZE

Another thickly, gradationally intercalated sequence with multiple layers of 5 Y 8/2 white grading to 5 Y 6/4 pale olive.

A hazy overprinting of 5 Y 8/3 pale yellow is most prominent in the whiter zones. Also, in these white layers, anomalous splotches of 5 Y 6/4 pale olive are specifically restricted to the zones 714 - 731 and 770 - 798 cm.

Very silty lutite with very abundant forams throughout.

Some spongy sediment occurs in the zone 636 - 652 cm

A few pebble-sized rock fragments (ice rafted?) occur near the basal contacts of the pale olive layers in the zones 628-629 cm, 695-698 cm and 705-707 cm. Also some sand-sized particles occur in the zone 853-873 cm.

G. H.

886-997

SILIC-CALC Ooze

10 YR 8/1 white

A 1 cm wide, vertical 5 Y 7/1 light gray streak noted in the zone 976-993 cm.

Very silty lutite with very abundant forams throughout. Also some sand-sized particles occur in the zone 855 - 873 cm.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: **ATI**

Core No. 31 PC

Expedition 107

Station No. 76

Leg No. 6

Total Core Length 997 cm

[illegible]

C163

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 107 Leg 6 Sta. 78 Core No. 33 PC
 Total Length 988 cm. Lat. 46° 57' 25" Long. 8° 07' 1" E Depth 2167 m (com)
 Core condition EXCELLENT Date Described 4/8/84 by Paul Andrew
 Physiographic location NEAR METEOR SEAMOUNT, SE. ATLANTIC
 Lithologic Log

Detailed Description

C164

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 6 Sta. 78 Core No. 33 PC

Lithologic Log

Detailed Description

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship AII Cruise 107 Leg 6 Sta. 78 Core No. 33PC

Lithologic Log

Detailed Description

415-854

CALC-SILIC OOZE

Thick, cyclic beds of 5 YR 9/0 white and 10 YR 8/1 white. Much inter-mixing/mottling occurs in the gradational zones of the described "unit colors".

Slightly silty lutite with scattered forams in the 10 YR 8/1 white zones, to very silty lutite with very abundant forams in the 5 YR 9/1 white zones.

Anomalous pockets of very clean, 5 YR 9/0 white, spongy, biogenic material occur scattered throughout the zone 511 - 562 cm.

S. mottled.

854-918

CALC-SILIC OOZE

5 YR 9/0 white grades to 10 YR 8/1 white.

Scattered, anomalous, 10 YR 8/1 white mottling in the zone 854 - 868 cm. Some inter-mixing/mottling occurs in the gradational zone between the "unit colors".

Silty lutite with a common foram distribution.

A very low foram concentration noted within the zone 10 cm from the basal contact.

Very S, wavy.

918-988

CALC-SILIC Ooze

5 YR 9/0 white.

Silty lutite with a scattered distribution of forams.
END OF CORE.

END OF CORE.

C166

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 33 PC

Expedition 107

Station No. 78

Leg No. 6

Total Core Length 988 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Lithologic Log

Detailed Description

CALC Ooze
10 YR 7/2 light gray.
Very faint 10 YR 8/1 white mottling spread unevenly throughout.
Dirty foram sand.
A trace of sand-sized rock fragments noted mostly in the Zone 11- 16 cm.
S, H.

CALC Ooze
10 YR 7/3 very pale brown.
Very dirty foram sand.
Abundant sand-sized rock fragments noted throughout.
S, irregular.

CALC Ooze
10 YR 8/1 white.
Very slight 10 YR 8/2 white mottling occurs in the Zone 20 - 28 cm.
Fairly clean foram sand.
A few sand-sized rock fragments noted throughout. However, a 1 cm wide, vertical burrow with very abundant rock fragments occurs in the Zone 35 - 66 cm.
Very G, H.

SILIC-CALC Ooze
10 YR 7/4 very pale brown.
Scattered 10 YR 8/1 white mottling throughout.
Very silty lutite with very abundant forams. Abundant sand-sized rock fragments noted.
A few pebble-sized rock fragments scattered throughout.
(Ice rafted?)
Very S, Irregular.

CALC-SILIC Ooze
10 YR 8/1 white.
Fairly clean foram sand.
Sand-sized rock fragments scattered evenly throughout.
END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 34 GGC

Expedition 107

Station No. 79

Leg No. 6

Total Core Length 85 cm

[illegible]

C171

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 108 Core No. 38 PC
 Total Length 186 cm. Lat. 25°44.1'S Long. 36°56.6'W Depth 4234 m (corr.)
 Core condition EXCELLENT Date Described 3/29/84 by Paul Andrew
 Physiographic location BRASIL BASIN (NEAR DSDP-515)

Lithologic
Log

Detailed Description

C172

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 108 Core No. 38 PC

Lithologic
Log

Detailed Description

C173

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 38 PC
Expedition 107 Station No. 108
Leg No. 9 Total Core Length 186 cm

[illegible]

€174

021
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 109 Core No. 3966C
Total Length 295 cm. Lat. 25° 40.4'S Long. 36° 53.8'W Depth 4217 m. (corr.)
Core condition EXCELLENT Date Described 3/16/81 by D. Keith
Physiographic location BRAZIL BASIN NEAR DSDP SITE 515
Lithologic _____ Detailed Description _____

C175

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 39 GGC
Expedition 107 Station No. 109
Leg No. 9 Total Core Length 295 cm

[illegible]

0176
VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATI Cruise 107 Leg 9 Sta. 110 Core No. 40PC
Total Length 1149 cm. Lat. 25°38.2'S Long. 36°52.1'W Depth 4219 m (corr.)
Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
Physiographic location BRASIL BASIN, NEAR DSDP SITE #515.

C177

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship AII Cruise 107 Leg 9 Sta. 110 Core No. 40PC

Lithologic Log

Detailed Description

C178

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship AII Cruise 107 Leg 9 Sta. 110 Core No. 40PC

Lithologic Log

Detailed Description

C179

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 40 PC
Expedition 107 Station No. 110
Leg No. 9 Total Core Length 1149 cm

[illegible]

C180

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 110 Core No. 40 PG
Total Length 144 cm. Lat. 25°38.2'S Long. 36°52.1'W Depth 4219m (corn.)
Core condition EXCELLENT Date Described 4/4/84 by Paul Andrew
Physiographic location BRASIL BASIN, NEAR DSDP 5

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AIY Core No. 40 PG
Expedition 107 Station No. 110
Leg No. 9 Total Core Length 144 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AE Cruise 109 Leg 9 Sta. 111 Core No. 4195C
Total Length 290 cm. Lat. 27°53.3'S Long. 37°13.1'W Depth 4684 corals
Core condition Excellent Date Described 17 March 81 by D. Keith / D. Johnson
Physiographic location Vema Channel Axis (Deepest Portion)

Lithologic

Detailed Description

0-88

UNFOSSILIFEROUS CLAY TO SLIGHTLY SILIC CLAY/DETRITUS
10 YR 5/2 grayish brown.
Faint mottling throughout.
Slightly silty lutite with no forams.
Mud at the top of core does not represent near-surface
sediment.
G. H.

88-98

DETRITAL SILT
5 Y 4/2 olive gray.
Slightly silty lutite with no forams.
Common detrital grains.
S. I.

98-102

DETRITAL SILT
5 Y 3/2 dark olive gray.
Silty lutite and fine sand.
Graded (?) turbidite bed, abundant detrital grains.
S. I.

102-121

CLAY WITH DETRITUS
5 Y 5/1 gray.
Considerable mottling between 124 - 141 cm: (5 Y 6/1 -
5 Y 4/1) gray to dark gray in color.
Slightly silty lutite with no forams.
G. H.

121-220

UNFOSSILIFEROUS CLAY
5 Y 5/3 olive.
Extensively mottled, multi-colored, olive (5 Y 6/3) to
(5 Y 4/4) pale olive.
Slightly silty lutite with no forams.
Discrete beds of olive lutite (5 Y 4/4) at 143, 150,
162, 175, 180, 192 and 197 cm.
G. H.

220-290

UNFOSSILIFEROUS CLAY
5 Y 3/1 very dark gray.
Light mottling from 246 - 272 cm (5 Y 2.5/1 black)
in color.
Slightly silty lutite with no forams.
BOTTOM OF CORE.

C183

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 41 GGC
Expedition 107 Station No. 111
Leg No. 9 Total Core Length 290 cm

[illegible]

C184

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATI Cruise 107 Leg 9 Sta. 112 Core No. 42 PC
Total Length 1043 cm. Lat. 27° 48.8'S Long. 37° 11.8'W Depth 4562 m. (corr.)
Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
Physiographic location VEMA CHANNEL AXIS @ OUTCROP OF "HORIZON"
Lithologic

C185

VISUAL CORE DESCRIPTION

Page a of 3Ship A II Cruise 107 Leg 9 Sta. 112 Core No. 42 PC

Lithologic Log

Detailed Description

730-1028

UNFOSSILIFEROUS CLAY

5 Y 6/3 pale olive.

Scattered, small to medium sized, 10 YR 3/3 dark brown mottling throughout.

Firm lutite.

S, H.

1028-1043

CHERT FRAGMENTS IN UNFOSSILIFEROUS CLAY MATRIX

5 Y 6/3 pale olive.

Small pebble to cobble-sized rock fragments to fine sand matrix.

Note: Unstratified sediment; catcher fingers were torn off during penetration and found lodged in Section #7.
END OF CORE.

C186

VISUAL CORE DESCRIPTION

Page 3 of 3Ship A II Cruise 107 Leg 9 Sta. 112 Core No. 42 PC

Lithologic Log

Detailed Description

C187

SMear SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 42 PC
 Expedition 107 Station No. 112
 Leg No. 9 Total Core Length 1043 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)												
		Inorganic Material					Biogenous Material							
		Silt & Sand					Calcareous					Siliceous		
		Detrital grains	Micronodules	Pyrite	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria	Sponges
1	SLIGHTLY SILTY CLAY	7	1	1	TR	88	-	-	-	-	-	2	1	TR
107	UNFOSSILIFEROUS CLAY	5	1	TR	TR	94	-	-	-	-	-	-	-	-
223	CALC Ooze	TR	1	TR	TR	25	1	68	-	5	TR	-	-	-
269	UNFOSSILIFEROUS CLAY	10	1	1	-	88	-	-	-	-	-	-	-	-
370	UNFOSSILIFEROUS CLAY W/DETRITUS	15	5	TR	-	80	-	-	-	-	-	-	-	-
470	UNFOSSILIFEROUS CLAY	10	3	TR	TR	87	-	-	-	-	-	-	-	-
570	UNFOSSILIFEROUS CLAY	10	2	TR	TR	88	-	-	-	-	-	-	-	-
671	UNFOSSILIFEROUS CLAY	10	2	TR	-	88	-	-	-	-	-	-	-	-
728	SLIGHTLY CALC CLAY	2	5	-	-	92	-	1	-	-	-	-	-	-
778	UNFOSSILIFEROUS CLAY	5	-	-	1	93	-	TR	-	-	-	-	-	-
900	UNFOSSILIFEROUS CLAY	3	-	-	TR	97	-	-	-	-	-	-	-	-
1016	UNFOSSILIFEROUS CLAY	2	-	-	-	98	-	-	-	-	-	-	-	-
cutter	UNFOSSILIFEROUS CLAY	3	-	-	TR	97	-	-	-	-	-	-	-	-

C188

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship AII Cruise 107 Leg 9 Sta. 112 Core No. 42 PG
 Total Length 149 cm. Lat. 27° 48.8' S Long. 37° 11.8' W Depth 4562m (corr)
 Core condition EXCELLENT Date Described 4/12/84 by Paul Andrew
 Physiographic location VEMA CHANNEL AXIS @ OUTCROP OF "HORIZON A"

C189

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 42 PG
Expedition 107 Station No. 112
Leg No. 9 Total Core Length 149 cm

[illegible]

C190

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A^{II} Cruise 107 Leg. 9 Sta. 113 Core No. GGC 43
Total Length 251 cm. Lat. 28°35.4' S Long. 35°46.5' W Depth 4316 M
Core condition EXCELLENT Date Described 27 July 81 by K. Rasmussen
Physiographic location SOUTHERN MOST BRAZIL BASIN, EXIT OF CANYONS
Lithologic EXTENDING DOWN N. FLANK OF RIO GRANDE RISE
Log _____ Detailed Description _____

Ship A^{II} Cruise 107 Leg 9 Sta. 113 Core No. GGC 43

Lithologic Log

Detailed Description

215-251

HIGH CALC CLAY WITH DETRITUS

10 YR 4/3 dark brown.

Extensive mottling throughout. Scattered distinct light mottling in zone 224 - 234 cm. Color is (10 YR 7/4) very pale brown. Distinct light mottling in zone 237 - 244 cm. Color is (10 YR 5/4) yellowish brown.

Clay lutite.

Few vis. forams.

END OF CORE

0192

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 43 GGC

Expedition 107Station No. 113

Leg No. 9

Total Core Length 251 cm

[illegible]

C193
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 114 Core No. 44PC
Total Length 755 cm. Lat. 28° 36' 4" S Long. 35° 47' 8" W Depth 4275 m (corr)
Core condition EXCELLENT Date Described 8/26/81 by K.A. Rasmussen
Physiographic location S.W. BRASIL BASIN AND EXIT OF CANYONS
Lithologic Log WHICH EXTEND DOWN N. FLANK OF RGR.
Detailed Description

C194
VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 114 Core No. 44PC

C195

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 44 PC

Expedition 107

Station No. 114

Leg No. 9

Total Core Length 755 cm

[illegible]

* obvious reworking

C198

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship AT Cruise 107 Leg 9 Sta. 114 Core No. 44PG
Total Length 30 cm. Lat. 28° 06.2'S Long. 35° 16.7'W Depth 4427 m (corn)
Core condition EXCELLENT Date Described 4/15/84 by Paul Andrew
Physiographic location S. BRAZIL BASIN @ N. TERMINATION OF CANYON

Lithologic

Detailed Description

Log

0-9

CALC Ooze

10 YR 6/3 pale brown.

Slight 10 YR 6/2.5 light brownish gray mottling in the Zone 0 - 5 cm.

Slightly silty lutite with a scattered foram distribution.

S, Mottled.

9-30

CALC OOZE

10 YR 6/4 light yellowish brown.

Common mottling in the Zone 9 - 19 cm with the two
cominant colors being 10 YR 5.5/4 yellowish brown
and 6.5/4 very pale brown.

Silty lutite with a common foram distribution.

END OF CORE

50

END OF CORE

€197

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 44PG
Expedition 107 Station No. 114
Leg No. 9 Total Core Length 30 cm

[illegible]

0198
VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 107 Leg 9 Sta. 115 Core No. 45PC
Total Length 1043 cm. Lat. 28°06'25 Long. 35°16'7 Depth 4227 m (corr)
Core condition EXCELLENT Date Described 8/26/81 by K.A. Rasmussen
Physiographic location S. BRASIL BASIN AT N. TERMINATION OF
Lithologic CANYON, ENTERING FROM R.G.R.
Log Detailed Description

0199

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 9 Sta. 115 Core No. 45PC

Lithologic Log

Detailed Description

0200

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship A II Cruise 107 Leg 9 Sta. 115 Core No. 45PC

Lithologic Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)												
		Inorganic Material					Biogenous Material							
		Silt & Sand				Clay	Calcareous					Siliceous		
		Detrital grains	Micronodules	Aragonite Needles	Volcanic shards		Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria	Sponges
40	FORAM SAND	TR	-	TR	-	8	55	30	-	2	5	-	-	-
90	CLAY WITH DETRITUS	25	8	TR	-	65	-	TR	-	-	2	-	-	-
112	CALC OOZE	10	4	TR	-	25	TR	50	-	1	10	-	-	TR
130	CALC OOZE	8	2	TR	-	50	TR	30	-	TR	10	-	-	-
190	CALC OOZE	4	4	-	-	20	5	60	-	TR	7	-	-	-
320	CLAY WITH DETRITUS	22	6	TR	-	72	TR	TR	-	-	TR	-	-	-
433	FORAM SAND	TR	-	-	-	TR	80	15	-	5	TR	-	-	-
480	CALC CLAY/DETRITUS	45	5	TR	-	40	-	-	-	TR	10	-	-	-
530	NANNO OOZE	4	3	TR	-	13	6	68	-	1	5	-	-	-
565	NANNO OOZE	TR	1	1	-	3	15	70	-	10	-	-	-	-
596	FORAM SAND	-	-	-	-	6	65	20	-	5	4	-	-	-
770	FORAM SAND	-	-	-	-	-	80	17	-	3	TR	TR	-	-
794	CALC OOZE	6	2	TR	-	25	10	45	-	1	11	-	-	-
820	FORAM SAND	4	-	-	-	20	50	16	-	5	5	-	-	-
870	CALC OOZE	14	4	TR	-	42	2	30	-	TR	8	-	-	-
909	CALC OOZE	4	2	TR	-	24	12	50	-	8*	TR	-	-	-
940	FORAM SAND	TR	TR	TR	-	20	40	25	-	5	10	-	-	-
1010	CALC OOZE	8	4	TR	-	24	5	40	-	5	14	-	-	-

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

0203

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 115 Core No. 45PG
 Total Length 130 cm. Lat. 28°06'25" Long. 35°16'7" W Depth 4427m (corr.)
 Core condition EXCELLENT Date Described 4/12/84 by Paul Andrew
 Physiographic location S BRAZIL BASIN @ N. TERMINATION OF
CANYON

Lithologic Log

Detailed Description

0204

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 115 Core No. 45PC

Lithologic Log

Detailed Description

0205

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL Core No. 45 PG
Expedition 107 Station No. 115
Leg No. 9 Total Core Length 130 cm

[illegible]

0206

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AI Cruise 107 Leg 9 Sta. 116 Core No. 4699C
Total Length 265 cm. Lat. 28°10.3'S Long. 35°13.7'W Depth 4424 corr. m.
Core condition Excellent Date Described 13 March 81 by Keith/Johson
Physiographic location So. Brazil Basin at North Exit of Canyon entering basin from
Lithologic Rio Grande Rise to the South Detailed Description

Ship A^{II} Cruise 107 Leg 9 Sta. 116 Core No. 46GGC

Lithologic Log

Detailed Description

0208

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 46 GGC

Expedition 107

Station No. 116

Leg No. 9

Total Core Length 265 cm

[illegible]

0211

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 107 Leg 9 Sta. 118 Core No. 48PC
 Total Length 979 cm. Lat. 28° 27' S Long. 35° 14' W Depth 4383 m (corr.)
 Core condition EXCELLENT Date Described 28/9/81 by K.A. Rasmussen/PA.
 Physiographic location S.W. BRASIL BASIN @ N. EXIT OF CANYONS
 OFF R.G.R.

0212

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 9 Sta. 118 Core No. 48PC

Ship ATL Cruise 107 Leg 9 Sta. 110 Core No. 187C

0214

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Lithologic
Log

Detailed Description

761-786

NANNO OOZE GRADES TO FORAM SAND

10 YR 6/4 light yellowish brown grades to 10 YR 8/3
very pale brown grades to 10 YR 8/2 white.

Scattered, distinct, light mottling throughout zone 761 - 765 cm. Distinct, 4 mm wide, dark worm-like tubes in zone 771 - 772 cm and uniform mottling throughout zone 772 - 786 cm.

Silty lutite with scattered forams grades to fine foram sand.

At 777 - 781 VOID. Light, distinct foram sand sub-units in zones 761 - 765 cm, 765 - 777 cm and 781 - 786 cm. Fine laminations noted in zone 761 - 777 cm.

786-817

NANNO OOZE GRADES TO FORAM SAND

10 YR 5/4 yellowish brown grades to 10 YR 8/3 very pale brown.

Scattered, dark, distinct mottling throughout zone 786 - 809 cm. Uniform mottling throughout zone 811 - 817 cm. Worm-like burrows noted in zone 807 - 809 cm.

Silty lutite with scattered forams grades to fine foram sand.

Dark sub-unit, 10 YR 5/4 yellowish brown, in zone 786 - 798 cm. Light sub-unit, 10 YR 8/3 very pale brown, in zone 798 - 811 cm and 10 YR 8/3 very pale brown foraminifera in zone 811 - 817 cm. Fine laminations noted throughout zone 786 - 811 cm.

Begin Flow In.

817-979

FLOW IN

10 YR 8/3 very pale brown grades to 10 YR 5/4 yellowish brown.

END OF CORE

Ship: ATI

Core No. 48 PC

Expedition 107

Station No. 118

Leg No. 9

Total Core Length 979 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A^{II} Cruise 107 Leg 9 Sta. 127 Core No. 579GC
Total Length 91 cm. Lat. 31°51'5 Long. 35°46'W Depth 2484 corr. m
Core condition Excellent Date Described 16 March 81 by D. Keith
Physiographic location So. Flank Rio Grande Rise

Lithologic

Detailed Description

1-9

CALC OOZE
10 YR 6/2 light brownish gray.
Very silty lutite with forams.
Pteropods cover the top layers ($\frac{1}{2}$ cm).
G. H.

9-24

CALC 00ZE
10 YR 7/4 very pale brown.
Very silty lutite with forams.
G, H.

24-50

CALC 00ZE
10 YR 6/6 brownish yellow.
Very silty lutite with forams.
G, H.

50-91

CALC Ooze
10 YR 7/4 very pale brown.
Very silty lutite with forams.
END OF CORE.

0216

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 57 GGC

Expedition 107

Station No. 127

Leg No. 9

Total Core Length 91 cm

[illegible]

021
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A^{II} Cruise 107 Leg 9 Sta. 128 Core No. 5BGGC
Total Length 28 cm. Lat. 31°50.0'S Long. 35°42.0'W Depth 2390 core m
Core condition Excellent Date Described 2 April 81 by Franks/Keith
Physiographic location South Flank Rio Grande Rise

Lithologic
Log

Detailed Description

0-14

PTEROPOD OOZE.
10 YR 7/2 light gray.
No mottling.
Shell hash with abundant forams and pteropods.
Pteropods are abundantly scattered throughout section.
Section shows graded bedding.
S. H.

14-21

CALC OOZE
10 YR 7/4 very pale brown.
No mottling
Slightly silty lutite with scattered forams.
G, H.

21-28

CALC Ooze
10 YR 6/4 light-yellowish brown.
No mottling.
Silty lutite with scattered forams.
BOTTOM OF CORE.

0218

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 58 GGC

Expedition 107

Station No. 128

Leq No. 9

Total Core Length 28 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 9 Sta. 129 Core No. 5966C
Total Length 148 cm. Lat. 31°48.6'S Long. 35°43.4'W Depth 2341 corr. m.
Core condition Excellent Date Described 2 Apr 81 by Franks/Keith
Physiographic location South Flank Rio Grande Rise
Lithologic _____ Detailed Description _____

Detailed Description

0-24
FORAM-NANNO OOZE
10YR 7/3 very pale brown.
Silty lutite with abundant forams.
G.H.

24-35
CALC OOZE
10YR 6/4 light yellowish brown.
Slightly silty lutite with rare forams.
G.H.

35-100
FORAM-NANNO OOZE
10YR 6/3 light yellowish brown grades to 10YR 7/3
very pale brown.
Common white 10YR 8/2 mottling in the zone 45-80cm;
Silty lutite with abundant forams.
G.H.

106-148
CALC OOZE
10YR 7/4 very pale brown.
Slight, 10YR 7/3 very pale brown mottling throughout
the unit.
Slightly silty lutite with scattered forams.
BOTTOM OF CORE.

Stratigraphy:

Well-defined Terminations I and II. Interval around isotope Stage 4 probably missing. Base of core near stage 6/7 transition ($\sim 190\text{K}$).

0220

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 59GGC
Expedition 107 Station No. 129
Leg No. 9 Total Core Length 148 cm

[illegible]

022
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship Alv Cruise 107 Leg 9 Sta. 130 Core No. 60GGC
Total Length 25 cm. Lat. 31°45.7'S Long. 35°44.2'W Depth 2228 cor.m.
Core condition Excellent Date Described 2 Apr. 81 by D. Keith / E. Franks
Physiographic location South Flank Rio Grande Rise
Lithologic Log Detailed Description

Detailed Description

0-4
CALC Ooze
10 YR 7/4 very pale brown.
No mottling.
Very coarse material with abundant forams.
S, H.

4-10
CALC Ooze
10 YR 7/2 light gray.
Section is faintly mottled throughout by gray (10 YR 5/1) mottles.
Very coarse material with abundant forams.
G, H.

10-20
CALC Ooze
10 YR 7/3 very pale brown.
No mottling.
Very coarse material with abundant forams.
G, H.

20-25
CALC Ooze
10 YR 7/4 very pale brown.
Section is faintly mottled by small to medium size
mottles that are very pale brown (10 YR 7/3) in color.
Very coarse material with abundant forams.
BOTTOM OF CORE.

0222

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 60 GGC
Expedition 107 Station No. 130
Leg No. 9 Total Core Length 25 cm

[illegible]

0223

Page 1 of 1

Ship AI Cruise 107 Leg 9 Sta. 133 Core No. 63GAC
Total Length 22 cm. Lat. 31°40.9'S Long. 35°47.6'W Depth 2007 corr. m.
Core condition Excellent Date Described 2 Apr '81 by Keith/Franks
Physiographic location South Flank of Rio Grande Rise
Lithologic _____ Detailed Description _____

Detailed Description

0

Log

10

20

END of CORE

0-22

CALC Ooze
10 YR 7/3 very pale brown.
No mottling.
Slightly silty lutite with scattered forams.
Some slight, linear, dark gray streaks at the top
(2 cm - 3 cm).
END OF CORE.

0224

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 63 GGC

Expedition 107

Station No. 133

Leg No. 9

Total Core Length 22 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 135 Core No. 6566C
Total Length 179 cm. Lat. 32°02.1'S Long. 36°11.3'W Depth 2735
Core condition EXCELLENT Date Described 4/2/81 by Keith/Franks
Physiographic location S. FLANK, RIO GRANDE RISE

Lithologic Log

Detailed Description

0226

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 65-GGC

Expedition 107

Station No. 135

Leg No. 9

Total Core Length 179 cm

[illegible]

02
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg. 9 Sta. 136 Core No. 66GJC
Total Length 71 cm. Lat. 31°56.7'S Long. 36°12.3'W Depth 2716corr.m
Core condition Excellent Date Described 24 April 81 by Franks/Keith
Physiographic location South Flank of Rio Grande Rise
Lithologic Log Detailed Description

Detailed Description

3-21

FORAM-NANNO OOZE
10YR 7/3 very pale brown.
Slightly silty lutite with common forams.
G.H.

21-71

CALC 00ZE
10YR 6/3 pale brown.
Concentric and lenticular mottles, mottling 10YR
8/2 white.
Slightly silty lutite.
BOTTOM OF CORE.

Stratigraphy:

Well-defined Termination I. Isotopic stages 3 through 5 do not follow characteristic pattern. Core failed to penetrate to *G. hirsuta* datum at Termination II.

0228

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. GGC 66
Expedition 107 Station No. 136
Leg No. 9 Total Core Length 71 cm

[illegible]

Ship AII Cruise 107 Leg 9 Sta. 137 Core No. 67GGC
Total Length 85 cm. Lat. 31°54.9'S Long. 36°12.3'W Depth 2587 corr.m.
Core condition Excellent Date Described 2 Apr '81 by Franks/Kelth
Physiographic location South Flank Rio Grande Rise
Lithologic _____ Detailed Description _____

Detailed Description

3-26

CALC 00ZE
10YR 7/3 very pale brown.
Unit is faintly mottled in top 7cm by large
and very small gray (10YR 6/1) mottles.
Sandy lutite with common forams.
G.H.

26-41

CALC Ooze
10YR 6/3 pale brown.
Contains small scattered mottles at top and
large scattered mottles elsewhere. Mottles
are (10YR 8/3) very pale brown.
Slightly silty lutite with rare forams.
G.H.

41-85

CALC Ooze
10YR 7/3 very pale brown.
Silty lutite with scattered forams.
BOTTOM OF CORE.

Stratigraphy:

Well-defined Termination I.
Isotope stages 3 through 5 do not follow characteristic pattern. Core failed to penetrate to G. hirsuta datum at Termination II.

0230

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AIY Core No. 67 GGC
Expedition 107 Station No. 137
Leg No. 9 Total Core Length 85 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 138 Core No. 68GGC
Total Length 174 cm. Lat. 31° 47.8'S Long. 36° 07.4'W Depth 2268 (corr. m.)
Core condition EXCELLENT Date Described 4/2/81 by Keith/Frank
Physiographic location S. FLANK, RIO GRANDE RISE
Lithologic _____ Detailed Description _____

0232

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 68 GGC

Expedition 107Station No. 138

Leg No. 9

Total Core Length 180 cm

[illegible]

Ship AII Cruise 107 Leg 9 Sta. 139 Core No. 6966C
Total Length 196 cm. Lat. 31° 39.5' S Long. 36° 01.4' W Depth 2158 m. COR.
Core condition EXCELLENT Date Described 3 MAY 82 by JB/DAJ
Physiographic location SOUTH FLANK OF RIO GRANDE RISE
Lithologic _____

Detailed Description

1-25

FORAM-NANNO OOZE

10YR 6/2 light brownish gray grades to 10YR

7/4 very pale brown.

Silty to sandy lutite

rare pteropods.

G.H.

25-36

CALC 00ZE

10YR 6/3 pale brown.

Unit is slightly mottled by small and large pale

brown (10YR 6/3) and very pale brown (10YR 8/3) mottles.

Silty lutite with scattered forams.

10YR 8/2 white lamination, 1cm thick, between

31 & 32cm.

G. H.

36-145

FORAM-NANNO Ooze

10YR 7/3 very pale brown

Unit is mottled by medium to large pale brown (10YR

6/3) mottles that are scattered throughout.

Silty to sandy lutite with scattered forams.

G.H.

6

145-196

NANNO OOZE

10YR 7/4 very pale brown.

Unit is faintly mottled with large white and

medium dark gray mottles.

Silty lutite with scattered forams.

BOTTOM OF CORE

Stratigraphy:

A complete stratigraphic record down to stage 7 (~ 220K). All stages and terminations very well defined. Mean accumulation rate ~1 cm/10³ yrs.

0234

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Sh1p: AII

Core No. 69 GGC

Expedition 107

Station No. 139

Leg No. 9

Total Core Length 196 cm

[illegible]

Page 1 of 1

Lithologic

Log

END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Core No. 70GGC

Station No. 140

Total Core Length 127 cm

[illegible]

VISUAL CORE DESCRIPTION

C240

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Core No. 72 GGC

Station No. 142

Total Core Length 186 cm

Log

Depth (ft)	Interval	Description
1-24	1-24	CALC OOZE 10 YR 7/2 light gray. None. Slightly silty lutite. G, H.
24-57	24-57	CALC OOZE 10 YR 7/3 very pale brown. Section is mottled by large, very white (10 YR 8/2) mottles. Very slightly silty lutite. S. H.
57-103	57-103	CALC OOZE 10 YR 8/3 very pale brown grades to 10 YR 7/3 very pale brown. Section is mottled by small light brownish gray (10 YR 6/2) mottles and large, very pale brown (10 YR 8/3) mottles. Slightly silty lutite. G, H.
103-122	103-122	CALC OOZE 10 YR 7/3 very pale brown. Section is faintly mottled by small, very pale brown (10 YR 8/3) mottles and one medium, white (10 YR 8/2) mottle. Very slightly silty lutite. G, H.
122-165	122-165	CALC OOZE 10 YR 7/3 very pale brown. Slightly silty lutite. S. H.
165-186	165-186	CALC OOZE 10 YR 8/2 white. Section mottled by faint, white (10 YR 8/2) and very pale brown (10 YR 7/4) mottles. Slightly silty lutite. BOTTOM OF CORE

END OF CORE

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 143 Core No. 7366
Total Length 129 cm. Lat. 31° 24' 12 Long. 35° 52' 29" W Depth 1660 m corr.
Core condition EXCELLENT Date Described 4 MAY 62 by JB/DAJ
Physiographic location SOUTH FLANK RIO GRANDE RISE
Lithologic

Detailed Description

0-24

FORAM-NANNO OOZE, GRADES DOWNWARD TO NANNO OOZE
10YR 7/3 very pale brown.

Section is faintly mottled by medium size mottles that are gray (10YR 6/1) in color.

Silty lutite with abundant forams.
G, H.

24-99

FORAM-NANNO OOZE

10YR 7/4 very pale brown grades to 10YR 8/3 very pale brown.

Section is faintly mottled in the upper section, to heavily mottled in the lower section, by large very pale brown (10YR 7/3) and white (10YR 8/1).

Silty lutite with abundant forams.
G.H.

99-128

FORAM-NANNO Ooze

10YR 7/3 very pale brown grades to 10YR 7/4 very pale brown.

Section is heavily mottled at one top by medium size mottles that are very pale brown (10YR 7/3) and pale brown (10YR 6/3).

Silty lutite with common forams.
BOTTOM OF CORE.

Stratigraphy:

Well-defined Terminations I and II. Apparently a complete depositional record down to stage 6 ($\sim 145\text{K}$), with mean accumulation rate of $\sim 1\text{cm}/10^3\text{ yrs.}$

0242

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 73 GGC

Expedition 107

Station No. 143

Leq No. 9

Total Core Length 128 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 145 Core No. 7566C
Total Length 23 cm. Lat. 31° 21.75 Long. 35° 52.1' W Depth 1556 m (corr)
Core condition EXCELLENT Date Described 4/4/84 by Paul Andrew
Physiographic location S. FLANK, RIO GRANDE RISE

Lithologic
Log

Detailed Description

0-23

CALC OOZE

10 YR 7/3 very pale brown grades to 10 YR 7/4 very pale brown.

Silty lutite with scattered forams.

END OF CORE

END OF CORE

50

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 75 GGC

Expedition 107

Station No. 145

Leg No. 9

Total Core Length 23 cm

[illegible]

0249

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 107 Leg 9 Sta. 176 Core No. 106 GGCTotal Length 243 cm. Lat. 31° 17.2'S Long. 36° 00.2'W Depth 1562Core condition EXCELLENT Date Described 5/30/84 by Sharon Delaney
R-1
AndrewPhysiographic location S. FLANK OF RIO GRANDE RISELithologic
Log

Detailed Description

0250

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 107 Leg 9 Sta. 176 Core No. 106 GGCLithologic
Log

Detailed Description

185-243

CALC Ooze
10 YR 8/2 white.
Common mottling in the zones 188 - 202 cm and 228 - 237
cm with two distinct colors; those being 10 YR 5/3
and 7/2, brown and light gray, respectively. A scat-
tered distribution of these colors exists elsewhere.
Very silty lutite with scattered forams throughout.
END OF CORE.

Note: 0 - 55 cm was extruded from weight stand.

0251

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 106 GGC
Expedition 107 Station No. 176
Leg No. 9 Total Core Length 243 cm

[illegible]

0252

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AI Cruise 107 Leg 9 Sta. 177 Core No. 107GGC
Total Length 63 cm. Lat. 30°52.7'S Long. 37°48.3'W Depth 2795
Core condition EXCELLENT Date Described 5/31/84 by Sharon Downey
Physiographic location EAST FLANK VEMA CHANNEL

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 107 GGC
Expedition 107 Station No. 177
Leg No. 9 Total Core Length 63 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 9 Sta. 180 Core No. 110GGC
Total Length 163 cm. Lat. 30°48.6'S Long. 37°47.4'W Depth 2661 m (corr)
Core condition EXCELLENT Date Described 6/29/82 by K. Rasmussen
Physiographic location E. FLANK, VEMA CHANNEL

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALI Core No. 112 GGC
Expedition 107 Station No. 182
Leg No. 9 Total Core Length 127 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 183 Core No. 113 GGC
Total Length 177 cm. Lat. 30° 48.6'S Long. 30° 02.9'W Depth 2990 m. (corr)
Core condition EXCELLENT Date Described 5/31/83 by Paul Andrew
Physiographic location VEMA CHANNEL; E. FLANK, RIO GRANDE RISE
Lithologic

0259

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATL Core No. 113
Expedition 107 Station No. 183
Leg No. 9 Total Core Length 177 cm

[illegible]

0260

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 184 Core No. 11466
Total Length 215 cm. Lat. 30° 48.6'S Long. 38° 04.8'W Depth 3075 m. corr.
Core condition EXCELLENT Date Described 13 MAY by JB & DAJ.
Physiographic location VEMA CHANNEL; WEST FLANK RIO GRANDE RISE.

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AI1 Core No. 114-GGC
Expedition 107 Station No. 184
Leg No. 9 Total Core Length 215 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 185 Core No. 115 GGC
Total Length 218 cm. Lat. 30° 49.9' S Long. 38° 10.4' W Depth 3167 m (corr)
Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Ship ATL Cruise 107 Leg 9 Sta. 185 Core No. 11566

Lithologic Log

Detailed Description

116-132

CALC 00ZE
10 YR 6/4 light yellowish brown.
Extensive mottling having no distinct shape or form,
colored 10 YR 7/3, very pale brown.
Silty lutite with scattered forams.
Curved lower contact bordered by darker 10 YR 5/3 brown
mottling.
S, Convex upward.

132-135

CALC Ooze
10 YR 7/3 very pale brown.
Faintly mottled with 10 YR 6/4 (light yellowish brown)
small mottles, 1 cm and less in diameter.
Very silty lutite with abundant forams.
S. H.

135-173

CALC 00ZE
10 YR 6/4 light yellowish brown.
Mottles, 10 YR 7/3 very pale brown, irregular-donut
shaped, from 1-2 cm in diameter (no mottles in the zone
146-153 cm).
Very silty lutite of abundant forams.
Small (10 YR 5/3) brown mottle in the zone 153-156 cm.
S. H.

173-218

CALC Ooze
10 YR 7/4 very pale brown grades to 10 YR 6/4 light
yellowish brown.
Mottles colored like both major "unit" colors. Donut-
shaped mottles of 10 YR 8/2 (white), particularly from
185-203 cm, being 1-2 cm in diameter. Mottling be-
comes indistinct from ~207 cm down to bottom.
Silty lutite with scattered forams.
END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 115 GGC

Expedition 107

Station No. 185

Leg No. 9

Total Core Length 218 cm

[illegible]

0265 Page 1 of 2Lithologic
Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Core No. 116GGC

Station No. 186

Total Core Length 208 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 188 Core No. 118GGC
Total Length 201 cm. Lat. 30° 50.8'S Long. 37° 17.8'W Depth 3397 m. (corr)
Core condition EXCELLENT Date Described Aug 81 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

0270

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 118 GGC

Expedition 107

Station No. 188

Leg No. 9

Total Core Length 201 cm

[illegible]

0273

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 107 Leg 9 Sta. 190 Core No. 120PC
 Total Length 1024 cm. Lat. 30°53.4'S Long. 38°26.9'W Depth 3514m (corr)
 Core condition EXCELLENT Date Described 7/17/84 by Paul Andrew
 Physiographic location E. FLANK, VEMA CHANNEL

0274

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 107 Leg 9 Sta. 190 Core No. 120PC

0275

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 120 PC
Expedition 107 Station No. 190
Leg No. 9 Total Core Length 1024 cm

[illegible]

0278

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 191 Core No. 121 GGC
Total Length 283 cm. Lat. 30° 53' S Long. 38° 29.1' W Depth 3580 m. (corr.)
Core condition EXCELLENT Date Described 7/2/84 by Paul Andrews
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AI Cruise 107 Leg 9 Sta. 191 Core No. 12166C

Lithologic
Log

Detailed Description

179-199

CALC 00ZE

10 YR 6/3 pale brown.

Common 10 YR 8/2 and 10 YR 8/3 (white and very pale brown)
mottles about 1 cm in diameter. Some elongated.

Silty lutite with abundant forams.

G. H.

199-245

CALC OOZE

10 YR 6/4 light yellowish brown.

Common mottling 10 YR 8/3 (very pale brown). Rings and patches, from 1 cm to ~ 3 cm in diameter.

Silty lutite with abundant forams.

At 221 cm a .7 cm long small pebble is noted.

G. H.

245-283

CALC Ooze

10 YR 6/4 light yellowish brown.

Lightly mottled with colors ranging from 10 YR 8/3 (very pale brown) to 10 YR 6/3 (pale brown).

Very slightly silty lutite with very abundant forams.

BOTTOM OF CORE.

0278

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 121 GGC

Expedition 107

Station No. 191

Leg No. 9

Total Core Length 283 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Lithologic Log

Detailed Description

Q-6

CALC OOZE
10 YR 6/2 light brownish gray.
Very silty lutite with very abundant forams.
Very G, H.

6-135

CALC OOZE
10 YR 6/4 light yellowish brown.
Ovoid, concentric, 10 YR 8/2 white mottles that are
occasionally smeared out.
Very silty lutite with abundant forams.
Slight, laminated 10 YR 5/3 brown mottled zones noted
within 14-18 cm and 42-47 cm.

135-162

CALC 00ZE
10 YR 7/3 very pale brown.
Extensive, streaked, 10 YR 8/2 white mottling in the
zone 135-142 cm. Slight distributions of the same
color occur elsewhere.
Very silty lutite with abundant forams grades to slightly
silty lutite with scattered forams throughout.
END OF CORE.

END of CORE

200

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 122 GGC

Expedition 107

Station No. 192

Leg No. 9

Total Core Length 162 cm

[illegible]

0281

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 107 Leg 9 Sta. 193 Core No. 123 PC
 Total Length 830 cm. Lat. 30° 54.4' S Long. 38° 33.1' W Depth 3703 m (com)
 Core condition EXCELLENT Date Described 6-4-84 by Sharon Downey
 Physiographic location E. FLANK VEMA CHANNEL

Lithologic Log

Detailed Description

0282

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 107 Leg 9 Sta. 193 Core No. 123 PC

Lithologic Log

Detailed Description

0283

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 123 PC
Expedition 107 Station No. 193
Leg No. 9 Total Core Length 830 cm

[illegible]

0284

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATL Cruise 107 Leg 9 Sta. 194 Core No. 12466
Total Length 223 cm. Lat. 30° 55.4'S Long. 38° 39.1'W Depth 3800 m corr.
Core condition EXCELLENT Date Described 13 MAY 62 by JB. & DJ
Physiographic location WEST FLANK RIDGE GRANDE RISE: VEMA CHANNEL
Lithologic _____

0285

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 124-GGC
Expedition 107 Station No. 194
Leg No. 9 Total Core Length 223 cm

[illegible]

0286

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 195 Core No. 12566C
Total Length 298 cm. Lat. 30° 56.5'S Long. 38° 41.3'W Depth 3878 m. corr.
Core condition EXCELLENT Date Described 14 MAR 82 by DAJ + J.B.
Physiographic location EAST FLANK OF VEMA CHANNEL.

Lithologic

Detailed Description

0287

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AI1 Core No. 125-GGC
Expedition 107 Station No. 195
Leg No. 9 Total Core Length 298 cm

[illegible]

0288

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 196 Core No. 1266GL
Total Length 268 cm. Lat. 30° 57.8'S Long. 38° 50.7'W Depth 3991 m. corr.
Core condition EXCELLENT Date Described 14 MAY 82 by JB+DAJ.
Physiographic location EAST FLANK OF VEMA CHANNEL.

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 126-GGC
Expedition 107 Station No. 196
Leg No. 9 Total Core Length 268 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 197 Core No. 127 PC
Total Length 515 cm. Lat. 30° 57.8'S Long. 38° 50.5'W Depth 3990 m. (corr.)
Core condition EXCELLENT Date Described 6/1/84 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

0291

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 127 PC
Expedition 107 Station No. 197
Leg No. 9 Total Core Length 515 cm

[illegible]

0292

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATI Cruise 107 Leg 9 Sta. 198 Core No. 128PC
Total Length 1181 cm. Lat. 30°58.8'S Long. 39°00.2'W Depth 4191m (corr)
Core condition EXCELLENT Date Described Aug. 81 by Paul Andrew
Physiographic location E. FLANK OF VEMA CHANNEL

Lithologic

Detailed Description

0293

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 198 Core No. 128 PC

Lithologic Log

Detailed Description

380-477

CALC OOOZE

Pale brown (10 YR 6/3) grades to very pale brown (10 YR 8/3) grades further to very pale brown (10 YR 7/3).
Section is faintly mottled by medium size, very pale brown (10 YR 8/3) mottles.
Smooth lutite with few forams.
Section contains a 1 cm thick, dark grayish brown at 380 cm. More laminae occur at 440 - 450 cm and 463 - 476 cm.

S, H.

477-630

CALC OOOZE GRADES TO SLIGHTLY CALC CLAY/DETRITUS

Light gray (10 YR 7/1) grades to gray (2.5Y N6/0) then to dark gray (2.5 Y N4/0).
Section contains scattered small to medium size, very dark gray (2.5Y N6/0) mottles. Mottles are located between 570 - 608 cm.
Smooth lutite with few forams.
A 1 cm thick gray lamination (2.5Y N5/0) occurs at 551 cm.
Finer, olive gray (2.5 Y 4/2) laminations at 561 cm, 565 cm and 567 - 568 cm.

G, H.

630-786

CALC OOOZE

White (2.5Y N8/0) grades to gray (10 YR 6/1) grades further to light gray (10 YR 7/1).
Upper section contains small, faint, white (10 YR 8/1) mottles scattered throughout; mid section (733 - 760 cm) is heavily mottled with small, white (10 YR 8/1) mottles.

Smooth lutite with scattered forams.

S, H.

786-806

CALC OOOZE

Pale brown 10 YR 6/3.
Section contains small and large yellow (10 YR 8/6) mottles scattered faintly throughout.
Smooth lutite with few forams.

S, I.

806-1019

HIGHLY CALC CLAY W/DETRITUS GRADES TO CALC OOOZE GRADES TO SLIGHTLY CALC CLAY/DETRITUS GRADING TO SLIGHTLY CALC-SILIC CLAY

Light olive gray (5Y 6/2) grades to gray (5Y 6/1) grades further to (5Y 5/1) gray then to light gray (5Y 7/1).
Section contains small, gray (5Y 5/1) mottles scattered throughout. Heavily mottled section occurs between 895-900 cm with large white mottles being noted.
Smooth lutite with few forams.
Laminations occur at 830-835 cm, 934, 938, 939, 965, 967 and 994 cm.

S, H.

0294

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship A II Cruise 107 Leg 9 Sta. 198 Core No. 128 PC

Lithologic Log

Detailed Description

1019-1118

SLIGHTLY SILIC CLAY

Gray (5 Y 5/1) grades to gray (5 Y 6/1).
Section is faintly mottled by medium to large gray (5 Y 5/1) mottles scattered throughout.
Smooth lutite with few forams.
Large very dark gray lamination (2 cm thick) occurs at 1024 cm.

S, H.

1118-1181

DIATOM OOOZE

Light gray (5 Y 7/1)

None

Smooth lutite with no forams.

Large gray (2.5Y N5/0) band occurs at 1135 - 1139 cm.

BOTTOM OF CORE

0295

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 128 PC
 Expedition 107 Station No. 198
 Leg No. 9 Total Core Length 1120 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)											
		Inorganic Material					Biogenous Material						
		Silt & Sand					Calcareous				Siliceous		
		Detrital grains	Micronodules	Zeolites	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria Sponges
40	SLIGHTLY CALC CLAY/DETRITUS	30	TR	-	-	65	-	-	-	-	5	-	-
80	CALC OOZE	10	TR	-	-	60	-	30	-	-	-	-	-
160	CALC OOZE	15	TR	-	-	50	5	25	-	-	5	-	-
230	CALC OOZE	10	5	-	-	50	5	25	-	-	5	-	-
340	SLIGHTLY CALC CLAY/DETRITUS	30	TR	-	1	65	-	TR	-	-	4	-	-
390	CALC OOZE	10	5	-	-	45	5	30	-	-	5	TR	-
500	CALC OOZE	7	3	-	-	50	5	30	-	1	4	-	-
569	SLIGHTLY CALC CLAY/DETRITUS	40	7	-	-	50	-	-	-	-	3	-	-
660	CALC OOZE	20	2	-	-	20	-	40	-	3	15	-	-
785	CALC OOZE	15	4	-	-	35	-	20	-	1	25	-	-
800	CALC OOZE	15	5	-	-	40	-	40	-	-	5	-	-
870	SLIGHTLY CALC CLAY/DETRITUS	15	TR	-	-	60	-	20	-	-	5	-	-
885	CALC OOZE	0	1	-	-	55	1	40	-	-	4	-	-
1007	SLIGHTLY CALC CLAY/DETRITUS	35	5	-	-	55	-	-	-	-	5	-	-
1015	SLIGHTLY CALC- SILIC CLAY	13	2	1	-	80	-	-	-	-	2	2	-
1120	DIATOM OOZE	1	-	-	-	-	-	-	-	-	-	99	-

0296

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 199 Core No. 129 PC
 Total Length 669 cm. Lat. 31° 00.0'S Long. 30° 00.0'W Depth 4154 m (corr)
 Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
 Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Log

Detailed Description

0-25

CALC OOZE WITH DETRITUS

Pale brown (10 YR 6/3) grades to light gray (10 YR 7/2) grades to pale brown (10 YR 6/3).

Section is heavily mottled by medium size gray (10 YR 5/1), light gray (10 YR 7/1), pale brown (10 YR 6/3) and very pale brown (10 YR 7/4) mottles. Mottles appear in such a way as to give a "marbled" appearance.

Smooth lutite with few forams.

Section contains large laminations (1 - 15 cm) and smaller (.5 cm) laminations at 4-6 cm and 15 cm.

S, H.

25-36

CALC OOZE

Pale brown (10 YR 6/3) to brown (10 YR 5/3) to pale brown (10 YR 6/3).

Section is faintly mottled by small very pale brown (10 YR 7/3) mottles.

Smooth lutite with few forams.

S, H.

36-49

CALC OOZE/MN-MICRONODULES

10 YR 8/3 very pale brown.

Section is heavily mottled by small and large very pale brown (10 YR 7/3) and pale brown (10 YR 6/3) mottles.

Smooth lutite with few forams.

Beginning of Flow-In.

49-669

FLOW-IN.

0297

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Shlp: AII

Expedition 107

Leg No. 9

Core No. 129 PC

Station No. 199

Total Core Length 669 cm

[illegible]

* calcareous needles

0298

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 200 Core No. 130 PC
Total Length 184 cm. Lat. 30° 51.9' S Long. 37° 52.0' W Depth 2840 m (corr)
Core condition FAIR Date Described 4/2/84 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

0-2

CALC Ooze

10 YR 6/3 pale brown.
Silty lutite, hard, with a common distribution of forams.
Note: The core is desiccated and very hard. Nearly
artificially lithified to chalk.
G. H.

2-32

CALC 00ZE

10 YR 6/4 light yellowish brown.
Very silty lutite, hard, with abundant forams.
S, I - 25°.

32-40

NANNO OOZE

10 YR 8/3 very pale brown.
Slightly silty lutite, hard, very few forams.
S. H.

40-184

NANNO OOZE

10 YR 7/4 very pale brown grades "quickly" to 10 YR 8/2
white and grades "slowly" to 10 YR 8/3 very pale brown.
A 10 YR 7/4 very pale brown mottling "patch" noted in
the Zone 58 - 65 cm.
Slightly silty lutite, hard, very few forams.
END OF CORE

0299

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 130 PC
Expedition 107 Station No. 200
Leg No. 9 Total Core Length 184 cm

[illegible]

€300

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 107 Leg 9 Sta. 201 Core No. 13166C
Total Length 199 cm. Lat. 30°52.8'S Long. 38°02.9'W Depth 2925 corr m.
Core condition EXCELLENT Date Described 15 MAY 82 by JB + JOHNSON
Physiographic location EAST FLANK OF VEMA CHANNEL.

Lithologic

Detailed Description

0-20 FORAM-NANNO OOOZE
10 YR 6/2 light brownish gray grading to 10 YR
7/3 very pale brown.
Faint at 15cm, (10 YR 7/2, light gray) otherwise,
no mottling.
Silty lutite with abundant forams.
G, H.

20-199 CALC OOOZE
10 YR 6/4 light yellowish brown.
Scattered mottles throughout, 10 YR 8/2 (white).
Silty lutite with common forams; slightly silty
lutite near bottom, still common forams.
140-151cm, lighter interval (10 YR 7/4), perhaps
more carbonate-rich.
BOTTOM OF CORE

Stratigraphy:

Well-defined Terminations I and II. Apparently a complete depositional record down to isotope stage 8 (~260K). All stages and substages well-defined.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 131-GGC

Expedition 107

Station No. 201

Leg No. 9

Total Core Length 199 cm

[illegible]

VISUAL CORE DESCRIPTION

Ship AI Cruise 107 Leg 9 Sta. 202 Core No. 132 GGC

Total Length 117 cm. Lat. 30°50.3'S Long. 38°17.0'W Depth 3343

Core condition EXCELLENT Date Described 6-4-84 by S. Downey

Physiographic location E. FLANK of VEMA CHANNEL

Lithologic

Detailed Description

0203

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 132 GGC
Expedition 107 Station No. 202
Leg No. 9 Total Core Length 117 cm

[illegible]

0204

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 203 Core No. 133 GGC
Total Length 165 cm. Lat. 30°51.0'S Long. 38°24.1'W Depth 3454m (corr)
Core condition EXCELLENT Date Described July 1st 84 by Paul Andrew
Physiographic location E. FLANK VEMA CHANNEL

0205

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 133 GGC
Expedition 107 Station No. 203
Leg No. 9 Total Core Length 165 cm

[illegible]

6206

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship AT Cruise 107 Leg. 9 Sta. 204 Core No. 134PC
Total Length 921 cm. Lat. 30° 51.6' S Long. 38° 26.6' W Depth 3588 m (corr)
Core condition EXCELLENT Date Described 6/5/84 by Paul Andrew
Physiographic location EAST FLANK YEMA CHANNEL
Lithologic

0207

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 9 Sta. 204 Core No. 134 PC

Lithologic Log

Detailed Description

686-921

INTERCALATED BANDS OF NANNO OOZE AND CALC OOZE
 Intercalations of various shades of very pale brown,
 those being 10 YR 8/3 and 10 YR 7/4.
 Scattered, lineated (convex upward) and laminated mott-
 ling throughout the zone 836 - 921 cm.
 Silty lutite with bands of abundant forams interbedded
 with layers containing scattered foram concentrations.
 The laminated beds are thicker (3-5 cm) and horizontal
 near the top of the unit and grade to thinner (1 cm)
 intercalations with a convex upward morphology.
 END OF CORE.

0208

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship A II Cruise 107 Leg 9 Sta. 204 Core No. 134 PC

Lithologic Log

Detailed Description

0209

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 134 PC
Expedition 107 Station No. 204
Leg No. 9 Total Core Length 921 cm

[illegible]

0310

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 205 Core No. 135 GGC
Total Length 51 cm. Lat. 30°53.2'S Long. 38°29.5'W Depth 3620 m (corr.)
Core condition EXCELLENT Date Described 6-7-84 by S. Downey
Physiographic location EAST FLANK VEMA CHANNEL

Lithologic

Detailed Description

CALC Ooze
10 YR 6/2 light brownish gray.
Extremely silty lutite with very abundant forams.
G. I-30°.

CALC 00ZE
10 YR 6/4 light yellowish brown.
Very slight 10 YR 7/3 very pale brown mottling. Towards
the end of the core, some concentrically shaped, 10 YR
8/2 white mottling with 10 YR 7/2 light gray ovoid
centers occurs.

Very silty lutite with very abundant forams visible throughout.

END OF CORE

Note: Core broken during penetration. Upon recovery the lower portion of core fell ~ 8 ft to deck of ship. However, upon splitting it was determined that core was still in good condition.

0312

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 206 Core No. 1367C
 Total Length 469 cm. Lat. 30° 54.5' S Long. 38° 29.2' W Depth 3590 m (com)
 Core condition EXCELLENT Date Described 6/4/84 by Paul Andrew
 Physiographic location EAST FLANK VEMA CHANNEL

Core No. 135 GGC

Station No. 205

Total Core Length 51 cm

[illegible]

0213

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 136 PC
Expedition 107 Station No. 206
Leg No. 9 Total Core Length 469 cm

[illegible]

0314

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 208 Core No. 138GGC
Total Length 188 cm. Lat. 30°58.8'S Long. 39°24.7'W Depth 4565m (corr.)
Core condition EXCELLENT Date Described July 2nd '84 by Paul Andrew
Physiographic location AXIS, VEMA CHANNEL; So. OF MOORING
Lithologic TRANSECT

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 107 Leg 9 Sta. 208 Core No. 13866C

Lithologic Log

Detailed Description

179-188

SLIGHTLY SILIC CLAY WITH DETRITUS
2.5 Y 6/4 light yellowish brown.
A complete mottling band colored 10 YR 5/3 brown noted
within 179-180 cm.
Very silty lutite.
END OF CORE.

0316

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 138 GGC

Expedition 107

Station No. 208

Leg No. 9

Total Core Length 188 cm

[illegible]

0317

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 209 Core No. 139GGC
Total Length 286 cm. Lat. 30°58.4'S Long. 39°13.8'W Depth 4097m (corr)
Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
Physiographic location TERRACE OF SEDIMENT WAVES ON E. FLANK
Lithologic Log OF VEMA CHANNEL
Detailed Description

Log Stratigraphic Description

0-223
 CALC Ooze
 10 YR 5/3 brown.
 Mottles common throughout, usually rings of 10 YR 6/3 (pale brown). Mottling more extensive from 30-37 cm, and from 80-90 cm. From 197-200 cm, dark grayish brown mottling (10 YR 4/2) is noted.
 Smooth lutite with scattered forams.
 Lighter colored (10 YR 6/3 pale brown) layer from 200-203 cm.
 G, H.

223-236
 NANO Ooze
 10 YR 6/3 pale brown.
 Heavily mottled at upper and lower contacts with 10 YR 5/3 (brown). Unmottled from 231-232 cm.
 Smooth lutite, trace of silt with a few forams.
 G, H.

236-286
 CALC Ooze
 10 YR 5/3 brown, 10 YR 6/3 (pale brown) in last centimeter of core.
 Heavily mottled with 10 YR 7/3 (very pale brown) and 10 YR 5/3 (brown). One mottle 10 YR 3/2 (very dark-grayish brown) at 284 cm.
 Smooth lutite with a few forams.
 BOTTOM OF CORE.

Note: Core overpenetrated by ~48 cm, therefore the sediment in liner is ~48 cm below seawater/sediment interface. This top 48 cm was saved in a plastic bag, except 0-2 cm given to G.P. Lohmann and 2-6 cm was given to Glenn Jones.

END OF CORE

0318

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 139 GGC
Expedition 107 Station No. 209
Leg No. 9 Total Core Length 286 cm

[illegible]

0219

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AT Cruise 107 Leg 9 Sta. 210 Core No. 140 GGC
 Total Length 320 cm. Lat. 30°57.0'S Long. 39°04.5'W Depth 4094
 Core condition EXCELLENT Date Described 6-6-84 by S. Downey
 Physiographic location TERRACE OF SEDIMENT WAVES ON E. FLANK OF VEMA CHANNEL

Lithologic Log

Detailed Description

- 0-31 VOID
 Core overpenetrated ~31 cm. Mud above PVC barrel stored in sample bag.
- 31-72 HIGHLY CALC CLAY
 10 YR 5/3 brown.
 Slight 10 YR 7/2 (light gray) and 10 YR 6/2 (light brownish gray) ovoid and lineated mottling.
 Lutite with scattered forams, silty texture.
 G, H.
- 72-93 HIGHLY CALC CLAY
 10 YR 5/3 brown.
 Mottling is absent in this zone.
 Slightly silty lutite with some forams visible in sediment, same silty texture continues.
 G, H.
- 93-256 HIGHLY CALC CLAY GRADES TO CALC OOZE
 10 YR 5/4 yellowish brown.
 Hazy 10 YR 5/3 brown mottling in early part of this section, becomes more distinct (10 YR 7/3) ovoid shaped, multi-interspersed with 10YR 5/3 brown mottling. Multi-colored mottling, ranging from 10 YR 8/1 white to 10 YR 4/3 dark brown to brown, interbedded in zone 233 - 256 cm.
 Lutite with some forams visible in silty-textured sediment.
 Two very distinct ovoid-shaped mottles in zones 84 - 87 cm, and 91 - 94 cm. large, 2 cm wide, 10 YR 7/2 (light gray) mottles in the 211 - 213 cm zone. Three 0.5 cm wide dessication cracks.
 G, Mottled
- 256-301 CALC OOZE
 10 YR 7/3 very pale brown.
 Ovoid, 10 YR 8/3 very pale brown mottles common with some 10 YR 5.5/3 pale brown to brown mottles dispersed throughout section.
 Silty lutite containing few to none visible forams.
 Large, 2 cm wide, 10 YR 8/3 very pale brown lineated mottle @ 262 - 264 cm.
 G, H.
- 301-320 CALC OOZE
 10 YR 7/4 pale brown.
 Hazy 10 YR 7/3 very pale brown mottling common throughout section.
 Silty lutite with very few forams present in sediment.
 END OF CORE

0220

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AT Cruise 107 Leg 9 Sta. 210 Core No. 140 GGC

Lithologic Log

Detailed Description

0321

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALI Core No. 140 GGC
Expedition 107 Station No. 210
Leg No. 9 Total Core Length 320 cm

[illegible]

0322

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATL Cruise 107 Leg 9 Sta. 211 Core No. 141 GGC
Total Length 195 cm. Lat. 31° 00.9'S Long. 39° 08.0'W Depth 4104m corr.
Core condition EXCELLENT Date Described 14 MAY 02 by JB+DAJ
Physiographic location EAST FLANK OF VEMA CHANNEL

Lithologic

Detailed Description

0223

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 141-GGC
Expedition 107 Station No. 211
Leg No. 9 Total Core Length 195 cm

[illegible]

0324

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AT Cruise 107 Leg 9 Sta. 212 Core No. 142GGC
Total Length 216 cm. Lat. 30°56.8'S Long. 31°00.0'W Depth 4148m
Core condition EXCELLENT Date Described 6/29/82 by K.A. Rasmussen
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic

Log

Detailed Description

VISUAL CORE DESCRIPTION

Ship AT Cruise 107 Leg 9 Sta. 212 Core No. 14266C

Detailed Description

248-273

CALC CLAY WITH DETRITUS
10 YR 6/3 pale brown.
Scattered, distinct 10 YR 5/2 grayish brown mottling
between 248-264 cm.
Slick lutite.
G. I.

273-284

CALC 00ZE
10 YR 6/4 light yellowish brown.
Scattered, faint 10 YR 6/3 pale brown mottling throughout.
Slick lutite.
G. I.

284-296

CALC 00ZE
10 YR 6/3 very pale brown.
Scattered, distinct 10 YR 6/4 light yellowish brown
mottling throughout.
Slick lutite.
VOID 290-296 cm.
END OF CORE.

Note: Apparent inclination of beds, due to angle of penetration, $\approx 14^\circ$; variation due to angle of individual horizons.

Note: Similarity between 41-183 cm and 183-273 cm units.

VOID
END OF CORE

300

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 142-GGC

Expedition 107

Station No. 212

Leg No. 9

Total Core Length 296 cm

[illegible]

C227

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 213 Core No. 143GGC
 Total Length 294 cm. Lat. 30° 59.0'S Long. 38° 56.6'W Depth 4033 m (corr.)
 Core condition EXCELLENT Date Described 5/10/84 by Paul Andrew
 Physiographic location EAST WALL VEMA CHANNEL

Lithologic Log

Detailed Description

C228

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 213 Core No. 143GGC

Lithologic Log

Detailed Description

0229

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 143 GGC

Expedition 107

Station No. 213

Leg No. 9

Total Core Length 294 cm

[illegible]

0230

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 214 Core No. 14466C
Total Length 216 cm. Lat. 31°01.0'S Long. 38°52.0'W Depth 3988 m. corr.
Core condition EXCELLENT Date Described 15MAY82 by DJ+JB
Physiographic location EAST WALL VEMA CHANNEL.

Lithologic

Detailed Description

0331

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 144-GGC
Expedition 107 Station No. 214
Leg No. 9 Total Core Length

[illegible]

0332

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATI Cruise 107 Leg 9 Sta. 215 Core No. 145 PC
Total Length 897 cm. Lat. 30°56.9'S Long. 38°44.7'W Depth 3963 m. (corr.)
Core condition EXCELLENT Date Described 7/10/84 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL
Lithologic _____

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 107 Leg 9 Sta. 215 Core No. 145 PC

Lithologic Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 145 PC

Expedition 107Station No. 215

Leg No. 9

Total Core Length 897 cm

[illegible]

0235

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 217 Core No. 147 GGL
Total Length 127 cm. Lat. 30° 48.7'S Long. 38° 30.6'W Depth 3658m. corr.
Core condition EXCELLENT Date Described 14 MAR 82 by JB+DAJ
Physiographic location EAST FLANK OF VEMA CHANNEL.

Lithologic

Detailed Description

0-4 VOID
4-13 FORAM-NANNO OOZE
10 YR 6/2 light brownish gray.
Very silty lutite with abundant forams.
Term. I (?) at 13cm.
G.H.
13-127 CALC OOZE
10 YR 6/4 light yellowish brown.
Mottles common, mostly rings, 1-3cm in diameter.
10 YR 8/2 until 85cm (white), then 10 YR 7/3
(v. pale brown), traces of 10 YR 4/1 (dark gray)
from 120cm-127cm.
Silty lutite with scattered forams.
BOTTOM OF CORE

Stratigraphy:

Well-defined Terminations I and II. Apparently continuous depositional record down to stage 6/7 ($\sim 190\text{K}$). Mean accumulation rate $\sim 0.6\text{cm}/10^3$ yrs.

€236

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 147-GGC

Expedition 107Station No. 217

Leq No. 9

Total Core Length 127 cm

[illegible]

0237

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 218 Core No. 1487C
Total Length 1137 cm. Lat. 30°48'45 Long. 38°28'7W Depth 3628m (corr)
Core condition EXCELLENT Date Described 7/10/84 by Paul Andrew
Physiographic location E. FLANK VEMA CHANNEL

Lithologic Log

Detailed Description

0-1137

CALC Ooze

10 YR 7/4 very pale brown grades to 10 YR 8/3 very pale brown. However, minor variations in color occur irregularly throughout the core.

The mottling features in this core are characterized by a single color (10 YR 8/2 white), but display many different morphologies and these make clearly evident that there is significant core disturbance. A majority of the mottles exhibit a vertically smeared form which typifies FLOW-IN. The remaining mottles are ringed to ovoid in shape, and many of these also show a vertical stretching which indicates the possibility of erratic piston movement during penetration.

Predominately silty lutite with abundant forams, however,
a few zones of lesser foram concentrations are noted.
END OF CORE.

0238

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 148 PC

Expedition 107

Station No. 218

Leg No. 9

Total Core Length 1137 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 107 Leg 9 Sta. 219 Core No. 149GGC
Total Length 214 cm. Lat. 30° 53.4' S Long. 38° 33.9' W Depth 3744 m (com)
Core condition EXCELLENT Date Described 6/1/84 by Paul Andrew
Physiographic location E. FLANK, VEMA CHANNEL

Lithologic Log

Detailed Description

0-8

CALC OOZE
10 YR 6/2 light brownish gray.
Very silty lutite with abundant forams.
G. H.

8-141

CALC Ooze
10 YR 6/4 light yellowish brown.
Scattered 10 YR 8/3 very pale brown mottling throughout
the zone 8-100 cm with a few faint rings noted near
the basal contact. Most of the mottles exhibit a
ringed to ovoid morphology, however, two mottled bands
occur in the zones 60-65 cm and 93-100 cm.
Silty lutite with a common distribution of forams.
The mottling band at 60-65 cm has a particularly sharp
basal contact.
G. Mottled.

141-181

CALC Ooze
10 YR 7/4 very pale brown.
Scattered, 10 YR 8/3 very pale brown mottling in the zone
148-152 cm.
Silty lutite with a common distribution of forams.
Very G. H.

181-199

CALC Ooze
10 YR 6/4 light yellowish brown.
Faint, hazy, 10 YR 5/4 yellowish brown mottling in the zone
187-199 cm.
Slightly silty lutite with scattered forams.
G. Mottled.

199-214

CALC 00ZE
10 YR 8/3 very pale brown.
Large mottles distributed in a common distribution and
dominantly colored 10 YR 8/2 white.
Slightly silty lutite with rare forams.
The mottling forms a band in the zone 199-201 cm.
END OF CORE.

6240

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 149 GGC

Expedition 107

Station No. 219

Leg No. 9

Total Core Length 214 cm

[illegible]

0241

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 107 Leg 9 Sta. 220 Core No. 150TC
 Total Length 1091 cm. Lat. 30°55.6'S Long. 38°37.7'W Depth 3755m (corr.)
 Core condition EXCELLENT Date Described 7/12/84 by Paul Andrew
 Physiographic location E. WALL, VEMA CHANNEL

0242

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 107 Leg 9 Sta. 220 Core No. 150PC

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship AII Cruise 107 Leg 9 Sta. 220 Core No. 1507C

Lithologic Log

Detailed Description

0244

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 150 PC

Expedition 107Station No. 220

Leg No. 9

Total Core Length 1091 cm

[illegible]

0247

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATI Cruise 107 Leg 9 Sta. 222 Core No. 152 PC
 Total Length 1029 cm. Lat. 30°52.7'S Long. 38°39.9'W Depth 3830m (com)
 Core condition EXCELLENT Date Described 7/16/84 by Paul Andrew
 Physiographic location E. FLANK, VEMA CHANNEL
 Lithologic Log

Detailed Description

0248

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship ATI Cruise 107 Leg 9 Sta. 222 Core No. 152 PC

Lithologic Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 152 PC
Expedition 107 Station No. 222
Leg No. 9 Total Core Length 1029 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATL Cruise 107 Leg 9 Sta. 223 Core No. 15366L
Total Length 227 cm. Lat. 30°55.8'S Long. 38°45.5'W Depth 3965 m. corr.
Core condition EXCELLENT Date Described 15 MAY 62 by J.B. + D.A.J.
Physiographic location EAST FLANK OF VEMA CHANNEL
Lithologic

0351

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 153-GGC

Expedition 107

Station No. 223

Leg No. 9

Total Core Length 227 cm

[illegible]

0352

VISUAL CORE DESCRIPTION

Page 4 of 2

Ship ATL Cruise 107 Leg 9 Sta. 324 Core No. 154 PC
Total Length 1127 cm. Lat. 30°52.35 Long. 38°44.6'W Depth 3925m (core)
Core condition EXCELLENT Date Described 7/12/84 by Paul Andrew
Physiographic location E. FLANK, VENA CHANNEL

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 107 Leg 9 Sta. 224 Core No. 154 PC

Lithologic Log

Detailed Description

520-623
CALC Ooze
10 YR 6/4 light yellowish brown intercalated with 10 YR
8/3 very pale brown.
No mottling.
Very silty lutite with abundant forams.
Between 520-589 cm, angle of bedding is $\sim 70^\circ$ from hori-
zontal. Within the zone 589-623 cm bedding slopes $\sim 50^\circ$.
This unit is composed of "artificially inclined" bedding.
It is still clearly stratified but disturbed, and followed
by ~ 500 cm of flow in.
G, I- $\sim 50^\circ$.

623-1127
FLOW IN
END OF CORE.

Note: Two short sections of pre-extruded core sediment were placed in separate core liners (labelled Section 3A and 5A) while at sea. These short "between" sections are relatively undisturbed except for their paleomagnetic orientations.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 154 PC

Expedition 107

Station No. 224

Leg No. 9

Total Core Length 1127 cm

[illegible]

0257

VISUAL CORE DESCRIPTION

Page 1 of 4

Ship ATI Cruise 107 Leg 9 Sta. 226 Core No. 156 PC
 Total Length 1170 cm. Lat. 31°07'35" Long. 40°02'7"W Depth 3635m (corr.)
 Core condition EXCELLENT Date Described 7/18/84 by Paul Andrew
 Physiographic location SUMMIT OF RIDGE ON W. FLANK OF
VENMA CHANNEL.

0258

VISUAL CORE DESCRIPTION

Page 2 of 4

Ship ATI Cruise 107 Leg 9 Sta. 226 Core No. 156 PC

0259

VISUAL CORE DESCRIPTION

Page 3 of 4

Ship A II Cruise 107 Leg 9 Sta. 226 Core No. 156 PCLithologic
LogDetailed Description

0260

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship A II Cruise 107 Leg 9 Sta. 226 Core No. 156 PCLithologic
LogDetailed Description

0261

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 156 PC
 Expedition 107 Station No. 226
 Leg No. 9 Total Core Length 1170 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)											
		Inorganic Material					Biogenous Material						
		Silt & Sand					Calcareous				Siliceous		
		Detrital grains	Micronodules	Zeolites	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria Sponges
1	CALC CLAY	2	3	-	TR	82	2	10	-	TR	1	TR	-
24	HIGHLY CALC CLAY	2	8	-	TR	65	2	22	-	TR	1	TR	-
132	CALC CLAY	8	4	-	TR	73	1	13	-	TR	1	TR	-
232	CALC OOZE	TR	TR	-	-	43	12	43	-	TR	2	TR	-
332	CALC OOZE	2	5	-	-	60	2	30	-	TR	1	TR	TR
432	CALC OOZE	1	1	-	-	58	7	30	-	TR	3	TR	-
574	CALC CLAY W/ MN-MICRONODULES	3	25	-	-	66	TR	5	-	-	1	-	-
682	CALC OOZE	1	TR	-	-	30	3	64	-	TR	2	-	-
730	NANNO OOZE	2	1	-	TR	7	12	75	-	-	3	-	-
870	CALC OOZE	1	-	-	-	32	-	65	-	-	2	-	-
960	CALC OOZE	TR	TR	-	-	30	-	68	-	-	2	-	-
1080	CALC OOZE	1	TR	-	-	30	1	64	-	-	4	-	-
1165	CALC OOZE	3	5	-	-	40	8	41	-	-	3	-	-

0262

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship A II Cruise 107 Leg 9 Sta. 227 Core No. 15766C
 Total Length 292 cm. Lat. 31° 07.25 Long. 39° 43.9 W Depth 4122 m (corr.)
 Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
 Physiographic location W. FLANK, VEMA CHANNEL

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 157 GGC
Expedition 107 Station No. 227
Leg No. 9 Total Core Length 292 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 107 Leg 9 Sta. 228 Core No. 158PC
Total Length 610 cm. Lat. 31° 07.6'S Long. 39° 44.7'W Depth 4065 m (corr)
Core condition EXCELLENT Date Described Aug '81 by Paul Andrew
Physiographic location W. FLANK, VEMA CHANNEL

Lithologic
Log

Detailed Description

0-610

UNFOSSILIFEROUS CLAY
Yellowish brown 10 YR 5/4.
Large mottles are scattered between the zone 366-389 cm,
colored very pale brown (10 YR 7/4).
Smooth lutite without forams.
The laminations (very pale brown) occur at 585 cm.
Dark grayish brown flecks are scattered over lower
two-thirds of core.
Note: Section #5 was dropped on deck, approximately
130 cm stored (unstratified) in plastic bag. So,
top of section #4 is NOT surface sediment.
BOTTOM OF CORE.

0265

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI

Core No. 158 PC

Expedition 107Station No. 228

Leg No. 9

Total Core Length 610 cm

[illegible]

0366

Universidad de Buenos Aires
Facultad de Ciencias Exactas y Naturales

Departamento de Graduados

F6M C

Buenos Aires, 12 JUN 2012

Por la presente me notifico de la Resolución CD N° 1.2.4.5... aprobada el
día 4/6/12 correspondiente al Expte. 488774 del/de la Licenciado/a
NOELIA GISELE LINO

	Noelia G. Lino	15 de junio de 2012
Firma del Doctorando	Aclaración	Fecha

	DRA. ANABELLA SREBROW	
Firma por la Subcomisión	Aclaración	Fecha

Expte. N° 498774/10
Expte. N° 173/10 G

Universidad de Buenos Aires
Facultad de Ciencias Exactas y Naturales

Buenos Aires, 04 JUN 2012

VISTO:

las notas de la Subcomisión de Doctorado del área de Ciencias Biológicas(FBMC), a fojas 47 y 74;

CONSIDERANDO:

lo actuado por la Comisión de Doctorado;
las atribuciones que le confiere el Art. 113 del Estatuto Universitario,

EL CONSEJO DIRECTIVO DE LA FACULTAD DE CIENCIAS EXACTAS Y
NATURALES
RESUELVE:

ARTICULO 1°.- Aprobar el Tema y Plan de Tesis preparado para la Licenciada NOELIA GISELE LINO.

ARTICULO 2°.- Aprobar el Plan de Estudios parcial preparado para la Licenciada LINO, constituido por las siguientes materias:

INTRODUCCIÓN AL ANÁLISIS CONDUCTUAL DE MODELOS ANIMALES	
DE DESÓRDENES PSIQUIÁTRICOS(FCEN).....	4 puntos
NEUROENDOCRINOLOGÍA COMPARADA(FCEN).....	3 puntos
FISIOLOGÍA DEL SISTEMA NERVIOSO(FCEN).....	5 puntos
NEUROBIOLOGÍA CLÁSICA Y MODERNA(FCEN).....	3 puntos
CURSO AVANZADO DE MICROSCOPIA CONFOCAL(Cert.fs.62).....	2 puntos
BASES DE LA ELECTROFISIOLOGÍA Y DEL IMAGING: DE LA TEORÍA A LA PRÁCTICA(Cert.fs.55).....	1 punto
COMUNICACIÓN NEURONAL: DESDE ESTRUCTURA HASTA FISIOLOGÍA(Cert.fs.73).....	1 punto

ARTICULO 3°.- Comuníquese, tome conocimiento, la Subcomisión de Doctorado del área de Ciencias Biológicas(FBMC) y la doctoranda. Cumplido vuelva al Departamento de Graduados y resérvese.

RESOLUCION CD N° 1245 -

Dr. JAVIER LÓPEZ DE CASENAVE
SECRETARIO ACADEMICO

Dr. JORGE ALIAGA
DECANO

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*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
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WHOI

1

CRUISE	SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	CORE OR DREDGE DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
AII 108		1	0006	0000	15	81 227	13 48.3°N	78 57.0°W	9	8.38	0002	3070.	900.	0000	10	3329	0	
AII 108		1	0006	0000	26	81 227	13 48.3°N	78 57.0°W	9	8.38	0002	3070.	134.	0000	10	3329	0	
AII 108		1	0007	0000	15	81 417	6 6.8°S	93 7.4°W	9	309.63	0003	4206.	901.	0000	11	0022	0	
MAJOR SED TYPE: CALC-SILIC OOZE, MINOR: SILIC CALC OOZE																		
AII 108		1	0007	0000	26	81 417	6 6.8°S	93 7.4°W	9	309.63	0003	4206.	139.	0000	11	5027	0	
MINOR SED TYPE: SILIC-CALC OOZE																		
AII 108		1	0008	0000	15	81 423	1 5.9°N	105 29.3°W	9	11.15	0004	3575.	583.	0000	11	0039	0	
MAJOR AND MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		1	0008	0000	26	81 423	1 5.9°N	105 29.3°W	9	11.15	0004	3575.	138.	0000	11	0039	0	
MAJOR AND MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0009	0000	15	81 424	1 40.6°N	106 49.6°W	9	11.16	0005	3737.	595.	0000	15	0029	0	
MAJOR AND MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0009	0000	26	81 424	1 40.6°N	106 49.6°W	9	11.16	0005	3737.	123.	0000	15	0039	0	
MAJOR AND MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0010	0000	15	81 426	1 46.5°N	106 51.0°W	9	11.16	0006	3609.	464.	0000	15	0023	0	
MAJOR AND MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0011	0000	26	81 428	3 55.9°N	114 11.1°W	9	11.34	0007	3969.	156.	0000	15	0022	0	
MAJOR AND MINOR SED TYPE: CALC SILIC OOZE																		
AII 108		4	0011	0000	15	81 428	3 55.9°N	114 11.1°W	9	11.34	0007	3969.	903.	0000	15	0059	0	
MAJOR AND MINOR SED TYPE: CALC SILIC OOZE																		
AII 108		4	0012	0000	26	81 429	4 4.3°N	114 11.9°W	9	11.44	0008	4049.	138.	0000	15	0329	0	
MAJOR SED TYPE: CALC SILIC OOZE																		
AII 108		4	0012	0000	15	81 429	4 4.3°N	114 11.9°W	9	11.44	0008	4049.	827.	0000	15	0339	0	
MAJOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0013	0000	26	81 430	4 1.9°N	114 11.2°W	9	11.44	0009	4021.	117.	0000	15	3329	0	
AII 108		4	0013	0000	15	81 430	4 1.9°N	114 11.2°W	9	11.44	0009	4021.	897.	0000	15	3329	0	
AII 108		4	0014	0000	26	81 5 2	4 6.6°N	114 40.4°W	9	11.44	0010	4101.	60.	0000	15	3022	0	
MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0014	0000	15	81 5 2	4 6.6°N	114 40.4°W	9	11.44	0010	4101.	857.	0000	15	3329	0	
AII 108		4	0015	0000	15	81 5 3	3 58.9°N	114 41.5°W	9	11.34	0011	3866.	136.	0000	15	3022	0	
MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0016	0000	15	81 5 4	3 58.5°N	114 36.6°W	9	11.34	0012	4046.	902.	0000	15	0329	0	
MAJOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0016	0000	26	81 5 4	3 58.5°N	114 36.6°W	9	11.34	0012	4046.	160.	0000	15	0322	0	
MAJOR AND MINOR SED TYPE: CALC SILIC OOZE																		
AII 108		4	0017	0000	15	81 5 5	4 3.3°N	114 37.9°W	9	11.44	0013	4053.	806.	0000	15	0322	0	
MAJOR SED TYPE: CALC-SILIC OOZE																		
AII 108		4	0017	0000	26	81 5 5	4 3.3°N	114 37.9°W	9	11.44	0013	4053.	154.	0000	15	3029	0	
MINOR SED TYPE: CALC-SILIC OOZE																		
AII 108		5	0018	0000	15	81 523	25 2.6°N	68 3.1°W	9	79.58	0014	5615.	866.	0000	10	1323	0	
AII 108		5	0018	0000	26	81 523	25 2.6°N	68 3.1°W	9	79.58	0014	5615.	159.	0000	10	1159	0	
AII 108		5	0019	0000	15	81 523	25 7.6°N	68 4.8°W	9	79.58	0015	5620.	873.	0000	10	1323	0	
AII 108		5	0019	0000	26	81 523	25 7.6°N	68 4.8°W	9	79.58	0015	5620.	156.	0000	10	1159	0	
AII 108		5	0020	0000	15	81 523	25 6.6°N	68 2.4°W	9	79.58	0016	5573.	838.	0000	10	1323	0	
AII 108		5	0020	0000	26	81 523	25 6.6°N	68 2.4°W	9	79.58	0016	5573.	158.	0000	10	1159	0	

0370

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
*****PAGE
WHOT

2

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN	CORE OR DREDGE NUMMER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SED. VITA TYPE	CODE	REMARKS
AII 108	5	0021	0000	15	81 524	27 4.6°N	71 6.6°W	9	80.71	0017	5584.	784.	0000	10	4861	0		
AII 108	5	0021	0000	26	81 524	27 4.6°N	71 6.6°W	9	80.71	0017	5584.	58.	0000	10	4861	0		
AII 108	5	0022	0000	15	81 524	26 56.4°N	71 9.4°W	9	80.61	0018	5586.	872.	0000	10	1861	0		
AII 108	5	0022	0000	26	81 524	26 56.4°N	71 9.4°W	9	80.61	0018	5586.	152.	0000	10	4869	0		
AII 108	5	0023	0000	15	81 525	26 57.6°N	71 24.4°W	9	80.61	0019	5508.	618.	0000	10	4430	0		
SILT LAYERS NOTED																		
AII 108	5	0023	0000	26	81 525	26 57.6°N	71 24.4°W	9	80.61	0019	5508.	158.	0000	10	4437	0		
AII 108	5	0024	0000	15	81 525	26 55.7°N	71 25.8°W	9	80.61	0020	5508.	876.	0000	10	4338	0		
AII 108	5	0024	0000	26	81 525	26 55.7°N	71 25.8°W	9	80.61	0020	5508.	158.	0000	10	3430	0		
SILT LAYERS NOTED																		
AII 108	5	0025	0000	15	81 526	27 31.4°N	73 45.0°W	9	80.73	0021	4555.	0.	0000	15	0000	0		
AII 108	5	0025	0000	26	81 526	27 31.4°N	73 45.0°W	9	80.73	0021	4555.	158.	0000	15	3433	0		
AII 108	5	0026	0000	13	81 526	27 32.9°N	73 48.0°W	9	80.73	0001	4672.	225.	0000	15	4339	0		
AII 108	5	0027	0000	13	81 526	27 29.2°N	73 49.3°W	9	80.73	0002	4669.	545.	0000	15	3437	0		
AII 108	5	0028	0000	13	81 526	27 22.5°N	73 48.8°W	9	80.73	0003	4672.	578.	0000	15	3467	0		
AII 108	5	0029	0000	13	81 527	27 58.5°N	73 38.5°W	9	80.73	0004	4940.	392.	0000	15	3427	0		
AII 108	5	0030	0000	13	81 527	27 54.2°N	74 42.2°W	9	80.74	0005	4941.	440.	0000	15	3327	0		
AII 108	5	0031	0000	13	81 527	27 56.0°N	74 46.7°W	9	80.74	0006	4961.	481.	0000	15	3437	0		

0371

VISUAL CORE DESCRIPTION

Page 1 of 4

Ship ATL Cruise 108 Leg 1 Sta. 6 Core No. 2PC
 Total Length 866 cm. Lat. 15°48.24'N Long. 78°57.01'W Depth 3070
 Core condition EXCELLENT Date Described 7-6-84 by S. DOWNEY
 Physiographic location W. CARIBBEAN EAST OF PROVIDENCIA ISLAND

Lithologic Log

Detailed Description

0372

VISUAL CORE DESCRIPTION

Page 2 of 4

Ship ATL Cruise 108 Leg 7 Sta. 6 Core No. 2PC

Lithologic Log

Detailed Description

0373

VISUAL CORE DESCRIPTION

Page 3 of 4

Ship A II Cruise 108 Leg 7 Sta. 6 Core No. 2PC

Lithologic Log

Detailed Description

0374

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship A II Cruise 108 Leg 7 Sta. 6 Core No. 2PC

Lithologic Log

Detailed Description

0375

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 2 PC
Expedition 108 Station No. 6
Leg No. 7 Total Core Length 866 cm

[illegible]

0376

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 108 Leg 1A Sta. 6 Core No. 2PG
Total Length 134 cm. Lat. 15°48.34'N Long. 78°57.01'W Depth 3070
Core condition EXCELLENT Date Described 7-5-84 by S. DOWNEY
Physiographic location W. CARIBBEAN EAST OF PROVIDENCIA ISLAND
Lithologic

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 2 PG
Expedition 108 Station No. 6
Leg No. 1A Total Core Length 134 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 5

Ship AII Cruise 108 Leg. 4 Sta. 7 Core No. 3PC
Total Length 886 cm. Lat. 6°06.86'S Long. 93°07.41'W Depth 4206 (corr.)m
Core condition EXCELLENT Date Described 6-21-84 by S. DOWNEY
Physiographic location TEST SITE NO. 1

Lithologic Log

Detailed Description

0-12

SILIC-CALC OOZE

2.5 Y 4/4 olive brown.
Distinct, extensive 2.5 Y 7/2 light gray mottling inter-
mixed with 2.5 Y 5/6 light olive brown.
Slightly silty lutite with few to none visible forams.
G. Mottled.

12-100

SILIC-CALC OOZE

2.5 Y 7/2 light gray.
Common, distinct, 2.5 Y 7.5/2 white to light gray, interbedded with 2.5 Y 8/2 white. A few, scattered 2.5 Y 6/3 light brownish to light yellowish gray mottles.
Slightly silty lutite without forams.
Large, lineated, 4 cm band of 2.5 Y 8/2 white occurring in the zone 57-61 cm.
G. Mottled.

100-113

CALC-SILIC Ooze

2.5 Y 7/4 pale yellow.
A few small streaks of 2.5 Y 8/2 white.
Silty lutite with few to none visible forams.
S. H.

113-136

CALC-SILIC Ooze

2.5 Y 8/2 white.
Abundant, intermixed, 10 YR 8/1 white with matrix color
(2.5 Y 8/2 white); common concentric ovoids of 2.5 Y
7/4 pale yellow and 10 YR 6/3 pale brown.
Slightly silty lutite with few to none visible forams.
G. Mottled.

136-191

SILIC-CALC Ooze

2.5 Y 7/2 light gray.
Extensively mottled, with intermixing between 2.5 Y 8/2 white, 10 YR 6/3 pale brown, and 2.5 Y 7/2 light gray. Slightly silty lutite with few to no forams.
Heavily concentrated mottling occurs in the zone 148-161 cm. Also, mottling becomes very distinct from 167-183 cm.

191-212⁶

CALC SILIC OOZE

2.5 Y 6/3 light grayish brown to light yellowish brown.
Intermixing of very common, distinct, 2.5 Y 7/2 light
gray, 2.5 Y 8/2 white, and 10 YR 6/3 pale brown mottles.
Silty lutite with few forams visible.
S. H.

0379

VISUAL CORE DESCRIPTION

Page 2 of 5

Ship AT Cruise 108 Leg 4 Sta. 7 Core No. 3PC

Lithologic Log

Detailed Description

212-229

CALC-SILIC Ooze
10 YR 8/2 white equally intermixed with 10 YR 8/1 white. Distinct, scattered, concentric ovoids, colored 10 YR 6/3 pale brown and 2.5 Y 7/2 light gray. Large, 2 cm wide, lineated, 10 YR 8/1 white mottle extending across liner, ending at contact (229-229 cm). S, H.

229-248

CALC-SILIC Ooze
2.5 Y 7/2 light gray. Abundant 10 YR 8/2 white concentric ovoids occurring with some interbedding of 10 YR 6/2 light brownish gray mottles. Silty lutite with scattered forams. One, 0.5 cm wide, 10 YR 8/2 white, lineated mottle extending 3/4 of the way across liner at 246 cm. S, I - 1°.

248-279

SILIC-CALC Ooze
10 YR 6/3 pale brown. Common, distinctive 2.5 Y 7/2 light gray ovoids with some hazy 10 YR 7/2 light gray mottles. Silty lutite with few to none visible forams. VOID between zone 263-277 cm. (Sampling VOID) S, I - 1°.

279-293

CALC-SILIC Ooze
10 YR 8/1 white. Heavily concentrated, interbedded mottles, colored 10 YR 6/3 pale brown, 2.5 Y 7/2 light gray, and 5.5/3 brown to pale brown. Silty lutite with few forams. G, Mottled.

293-368

SILIC-CALC Ooze
10 YR 5.5/3 brown to pale brown. Common, distinctive ovoid mottles colored 10 YR 8/2 white, 10 YR 8/1 white, and 10 YR 7/2 light gray, grading to less distinctive elongated ovoids. One, 2 cm wide, 10 YR 8/2 white mottle extending across liner at 309-311 cm. Also, a 1 cm wide, 10 YR 8/2 white mottle noted between the zone 364-365 cm. G, Mottled.

368-406

CALC-SILIC Ooze
10 YR 7/2 light gray. Extensive, 10 YR 8/2 white mottling intermixed with 2.5 Y 7/2 light gray mottles. Silty lutite with common forams. A large, half-oval, 10 YR 5.5/3 brown to pale brown mottle occurs in the zone 311-314 cm. S, H.

0380

VISUAL CORE DESCRIPTION

Page 3 of 5

Ship AT Cruise 108 Leg 4 Sta. 7 Core No. 3PC

Lithologic Log

Detailed Description

406-478

HIGHLY SILIC CLAY
2.5 Y 6/3 light brownish gray to light yellowish brown. Abundant intermixing of 10 YR 7/2 light gray, 10 YR 5.5/3 brown to pale brown, and 10 YR 8/2 white which becomes very heavily concentrated in the zone 452-470 cm; changing to slight, ovoid mottling of 10 YR 7/2 light gray and 10 YR 8/2 white. Slightly silty lutite with very few visible forams. One large, 2 cm wide, 10 YR 7/2 light gray patch occurs at the contact. A semi-ovoid, 10 YR 7/2 light gray mottle occurs at 408-411 cm. VOID between 415-430 cm. S, H.

478-486

HIGHLY SILIC CLAY
2.5 Y 5.5/4 light olive brown to light yellowish brown. Silty lutite with abundant forams. S, H.

486-509

CALC-SILIC Ooze
2.5 Y 8/2 white. Very extensive mottling throughout, between the shades 2.5 Y 7/4 pale yellow, 2.5 Y 7.5/2 light gray to white and 10 YR 8/2 white. Silty lutite with scattered forams. Large, 2.5 Y 7/2 light gray mottle in the zone 502-504 cm. G, Mottled.

509-527

HIGHLY SILIC CLAY
2.5 Y 6/3 light brownish gray to light yellowish brown. Scattered, 10 YR 8/2 white, concentric ovoids occur in a hazy, intermixed bed of 2.5 Y 7.5/2 light gray to white, 2.5 Y 5/4 light olive brown and 2.5 Y 6/4 light-yellowish brown. Silty lutite with abundant forams. G, H.

527-539

SILIC-CALC CLAY
2.5 Y 6/4 light yellowish brown grading to 2.5 Y 5/4 light olive brown. Silty lutite with abundant forams. S, H.

539-568

HIGHLY CALC-SILIC CLAY
2.5 Y 7/4 pale yellow grades to 2.5 Y 5/4 light olive brown. Abundant but hazy, 2.5 Y 8/2 white, 2.5 Y 6.5/4 light-yellowish brown to pale yellow and 2.5 Y 5/4 light-olive brown mottling in the zone 539-549 cm; then tapers off to a scattered, few, 2.5 Y 8/2 white concentric ovoids. Slightly silty lutite with scattered forams. An inclined (3°), 2 cm band extending across the liner at 563-565 cm. Inferred, between sampling VOID.

0381

VISUAL CORE DESCRIPTION

Page 4 of 5

Ship AT Cruise 108 Leg 4 Sta. 7 Core No. 3PC

Lithologic Log

Detailed Description

568-630

CALC-SILIC OOZE

2.5 Y 6/4 light yellowish brown grades to 2.5 Y 5/4 light olive brown and back to 2.5 Y 6/2 light brownish gray.

Distinct, extensive interbedding of 2.5 Y 7/2 light gray, 2.5 Y 6/2 light brownish gray and 2.5 Y 6/3 light brownish gray to light yellowish brown.

Slightly silty lutite with scattered forams.

A large, 2 cm wide 2.5 Y 5/4 light olive brown, lineated mottle occurs in the zone 615-617 cm. VOID 568-583 cm. G, H.

630-678

SILIC-CALC CLAY

2.5 Y 6/4 light yellowish brown.

Very abundant mottling of the shades 2.5 Y 5/4 light olive brown, 2.5 Y 7/2 light gray, 2.5 Y 7/4 pale yellow and 2.5 Y 8/4 pale yellow.

Slightly silty lutite with a few forams.

A large 4 cm wide 2.5 Y 7/2 light gray mottle extends across liner at 650-654 cm. G, H.

678-720

HIGHLY SILIC-CALC CLAY

2.5 Y 5/4 light olive brown grades to 2.5 Y 6/4 light yellowish brown and back to 2.5 Y 5/4.

Common 2.5 Y 8/2 white, and 2.5 Y 6/4 light yellowish brown concentric ovoids.

Slightly silty lutite with few forams.

S, H.

720-736

Sampling VOID.

736-817

HIGHLY CALC-SILIC CLAY

2.5 Y 5.5/4 light olive brown to light yellowish brown grades to 2.5 Y 5/6 light olive brown.

Few, 2.5 Y 6/4 light yellowish brown mottles.

Lutite with very rare forams.

Three lineated, 1 cm wide burrows at 751-752 cm, 761-762 cm and 768-769 cm.

G, H.

817-850

CALC-SILIC OOZE

2.5 Y 6.5/4 pale yellow to light yellowish brown.

Scattered 2.5 Y 6/4 light yellowish brown, 2.5 Y 6/3 light brownish gray to light yellowish brown, and 2.5 Y 8/2 white mottling.

Slightly silty lutite with few forams.

A 1 cm wide, 2.5 Y 6/4 light yellowish brown, lineated mottle extending across liner at 827-828 cm.

G, Mottled.

0382

VISUAL CORE DESCRIPTION

Page 5 of 5

Ship AT Cruise 108 Leg 4 Sta. 7 Core No. 3PC

Lithologic Log

Detailed Description

850-870

CALC-SILIC OOZE

2.5 Y 8/2 white concentric ovoid mottles.

Lutite with few to none visible forams.

There are 15 cm gaps at depths 262-277 cm, 415-430 cm,

568-588 cm, 720-736 cm and 870-886 cm which were taken as samples for total geochemical analysis.

END OF CORE.

0383

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 3 PC
 Expedition 108 Station No. 7
 Leg No. 4 Total Core Length 886 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)													
		Inorganic Material					Biogenous Material								
		Silt & Sand					Calcareous					Siliceous			
		Detrital grains	Microfossils	Pyrite	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoscoasters	Others	Diatoms	Radiolaria	Sponges	Silicic Flags
6	SILIC-CALC OOZE	1	TR	-	TR	52	1	17	-	TR	3	15	8	2	1
45	SILIC-CALC OOZE	1	TR	-	TR	55	-	15	-	TR	2	18	8	TR	1
110	CALC-SILIC OOZE	1	-	-	TR	45	TR	38	TR	TR	5	5	5	1	TR
116	CALC-SILIC OOZE	1	-	-	TR	60	1	23	-	TR	4	3	4	3	1
185	SILIC-CALC OOZE	1	-	-	TR	45	-	12	-	-	3	20	14	4	1
200	CALC-SILIC OOZE	1	1	TR	TR	67	2	17	-	-	3	4	3	2	TR
238	CALC-SILIC OOZE	TR	-	-	TR	40	2	40	-	-	2	6	7	2	1
338	SILIC-CALC OOZE	1	-	TR	TR	40	TR	10	-	-	3	22	18	4	2
390	CALC-SILIC OOZE	1	-	-	-	43	2	44	-	-	4	2	3	1	TR
483	HIGHLY SILIC CLAY	1	-	-	TR	76	TR	TR	-	-	4	7	6	4	2
548	HIGHLY CALC- SILIC CLAY	TR	-	-	1	70	2	11	-	-	3	4	5	1	3
584	CALC-SILIC OOZE	1	TR	-	1	34	3	44	-	-	3	4	6	2	2
684	HIGHLY SILIC- CALC CLAY	2	TR	-	3	70	3	8	-	-	TR	5	5	2	2
835	CALC-SILIC OOZE	2	-	-	4	51	2	25	-	-	6	3	4	1	2
867	CALC-SILIC OOZE	3	-	-	2	54	2	10	-	TR	7	7	6	1	1

0384

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 108 Leg 4 Sta. 7 Core No. 3 PG
 Total Length 139 cm. Lat. 6°06.86'S Long. 93°07.41'W Depth 4206 m (com)
 Core condition EXCELLENT Date Described 8/5/84 by Paul Andrew
 Physiographic location TEST SITE #1

Lithologic
Log

Detailed Description

0-30	SAMPLING VOID	COMPLETE SAMPLING VOID
30-45		CALC-SILIC OOZE 10 YR 7.5/3 very pale brown. Scattered, hazy, 10 YR 6.5/3 pale brown to very pale brown mottling mostly in the zone 32-43 cm. Slightly silty lutite with a few forams. One anomalous patch of 10 YR 5.5/4 yellowish brown to light yellowish brown sediment noted between 33-35 cm. Inferred, Removed by Sampling.
45-75	SAMPLING VOID	COMPLETE SAMPLING VOID
75-84		SILIC OOZE 10 YR 6/3 pale brown. Large, common, ovoid, 10 YR 7/3 very pale brown "burrow-like" mottles noted throughout. Slightly silty lutite with rare forams. A 2 mm in diameter, semi-lithified, lump of lutite occurs at 83 cm. S, Concave upward.
84-96		SILIC-CALC OOZE 10 YR 6/4 light yellowish brown. Extensively mottled with 10 YR 5/4 yellowish brown being the dominant color. Silty lutite with scattered forams. G, Very Mottled.
96-112	SAMPLING VOID	SILIC OOZE 10 YR 5/4 yellowish brown. Two, large, foram-rich burrows, colored 10 YR 6/4 light yellowish brown, noted within 98-103 cm. Slightly silty lutite with rare forams in the zone 98-103 cm. Inferred, Removed by Sampling.
112-126	END OF CORE	COMPLETE SAMPLING VOID.
126-139		SILIC-CALC OOZE WITH SILIC OOZE Intermixed, patchy, 10 YR 7/4 and 5.5/4 very pale brown and yellowish brown to light yellowish brown, respectively. Slightly silty lutite with a few forams. END OF CORE.

Note: Lost 5 cm of sediment at bottom of PG. Also, ~15 cm segments of sediment were removed for complete geochemical analysis at depths 0-15 cm, 15-30 cm, 45-60 cm, 60-75 cm and 112-126 cm.

0385

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 3 PG
Expedition 108 Station No. 7
Leg No. 4 Total Core Length 139 cm

[illegible]

0386
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AI Cruise 108 Leg 4 Sta. 8 Core No. 4PC
Total Length 568 cm. Lat. 1°06.92'N Long. 105°28.01'W Depth 3653 m
Core condition EXCELLENT Date Described 6-25-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE

Lithologic Log	Detailed Description
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Ship AI Cruise 108 Leg 4 Sta. 8 Core No. 4PG
Total Length 138 cm. Lat. 1°06.92'N Long. 105°29.0'W Depth 3653 m
Core condition EXCELLENT Date Described 6-25-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE

Lithologic

Log

Detailed Description

SAMPLING
VOID

30-57

CALC-SILIC Ooze

2.5 Y 8/2 white.

Common, 2.5 Y 7.5/3 pale yellow mottling with slight, hazy, 2.5 Y 7/2 light gray mottles.

Slightly silty lutite with few to none forams.

Gap missing from 0-30 cm.

Inferred, due to sampling VOID.

57-72

SAMPLING VOID

72-113

CALC-SILIC Ooze

10 YR 5/3 brown grades to 2.5Y 6/4 light yellowish brown then to 2.5 Y 7/4 pale yellow and then back to 2.5 Y 6/4.

2.5 1 0/4.

Slight, hazy, 2.5 Y 8/2 white and 5 Y 7/3 pale yellow mottling.

Very slightly silty lutite with no forams.

Band of dense mottling, colored 10 YR 5/3 brown, in the zone 107-109 cm.

G. H.

113-122

CALC-SILIC Ooze

2.5 Y 8/2 white

Common 5 Y 7/3 pale yellow mottling.

Slightly silty lutite with few to none forams.

An inclined, 0.5 cm wide, band of 5 Y 7/4 pale yellow.

Very S, I - 30°. Contact shows evidence of core liner dragged from angle of contact.

8

122-138

CALC-SILIC Ooze

10 YR 5/3 brown grades to 2.5 Y 6/4 light yellowish brown and then to 2.5 Y 7/4 pale yellow.

Scattered, hazy, intermixed mottling of the 2.5 Y 7/4, 2.5 Y 6/4 and 10 YR 5/3 colors as well as some 5 Y 7/3 pale yellow mottling.

Silty lutite with few to none forams.

END OF CORE.

Note: VOIDS due to removal for complete geochemical analysis.

END of CORE

0390

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 4 PG

Expedition 108

Station No. 8

Leg No. 4

Total Core Length 138 cm

[illegible]

0391
VISUAL CORE DESCRIPTION

Page 1 of 3

Ship AT Cruise 108 Leg 4 Sta. 9 Core No. 5PC
Total Length 579 cm. Lat. 1° 40.60' N Long. 106° 49.65' W Depth 3737
Core condition EXCELLENT Date Described 6-27-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE

0392
VISUAL CORE DESCRIPTION

Page 2 of 3

Ship AT Cruise 108 Leg 4 Sta. 9 Core No. 5PC

Ship ATI Cruise 100 Leg 4 Sta. 9 Core No. 59c

Lithologic Log

Detailed Description

400-492

CALC-SILIC OOZE

10 YR 8/1 white.

Slight to scattered, 5 Y 8/3 pale yellow mottling.

Lutite with no forams.

Sampling VOID occurs between 415-429 cm. A narrow

2.5Y 8/2 white lineated band extending across liner at 457 cm.

S, Convex upward.

492-549

CALC-SILIC Ooze

5 Y 8/2 white

Common, 5 Y 7/3 and 5 Y 8/3 pale yellow mottling

Slightly silty lutite with few to none forams.

Upper contact exhibits 2.5 Y 7/4 pale yellow banding.

VOID from 549-579 cm.

Sharp contact, due to VOID.

END OF CORE

Note: Sampling VOIDS are removed for total geochemical analysis.

0394

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 5 PC

Expedition 108

Station No. 7

Leg No. 4

Total Core Length 579 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 108 Leg 4 Sta. 9 Core No. 576
Total Length 123 cm. Lat. 1° 40.60' N Long. 106° 49.63' W Depth 3337
Core condition EXCELLENT Date Described 6-27-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE

Lithologic
Log

Detailed Description

0-30
30-33
33-107
107-115
115-117
117-123

SAMPLING VOID
SAMPLING VOID
END OF CORE

0-30
30-33
33-107
107-115
115-117
117-123

CALC-SILIC OOOZE
2.5 Y 7/4 pale yellow.
Few, hazy, 2.5 Y 7/2 light gray mottles with some linear
2.5 Y 6/6 olive yellow streaks.
Silty lutite with common forams.
G, H.

CALC-SILIC OOOZE
2.5 Y 8/2 white.
Common 2.5 Y 7/2 light gray mottling interspersed with
slight 2.5 Y 5/2 grayish brown and 2.5 Y 6.5/2 light-
brownish gray to slightly gray mottling.
Silty lutite with scattered forams.
A large, 4 cm long mottle, colored 2.5 Y 7/4 pale yellow,
occurs before VOID along side of liner at 41-45 cm.
Sampling VOID at 45-60 cm. Three, long, 2 cm wide, 2.5 Y
6.5/2 light brownish gray to light gray mottling occurs
at 70-72 cm, 89-91 cm and 98-100 cm, respectively.
Also, one small patch of 2.5 Y 3/2 very dark grayish
brown mottles between 65-66 cm and some 2.5 Y 6/2 light-
brownish gray mottles at 84-89 cm.
Convex up, S.

CALC-SILIC OOOZE
10 YR 5/3 brown darkening to 10 YR 3/1.5 very dark gray
to very dark grayish brown and then back to 10 YR 5/3
brown and lightening to 10 YR 6/4 light yellowish brown.
Interstratified layers of 10 YR 8/3 very pale yellow and
10 YR 8/2 white in the zone 108-111 cm.
Silty lutite with common forams visible.
S, H.

CALC-SILIC OOOZE
2.5 Y 6/5 light yellowish brown to olive yellow.
Some 2.5 Y 6/4 light yellowish brown mottles.
Silty lutite with common forams.
G, H.

CALC-SILIC OOOZE
2.5 Y 8/2 white.
Common, hazy and lineated, 2.5 Y 6/4 light yellowish
brown mottles with a scattering of distinct, 2.5 Y
6/3 light brownish gray to light yellowish brown
mottles.
Silty lutite with scattered forams.
END OF CORE.
Note: Looks as if pilot core could have repenetrated
a second time.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI.

Core No. 5 PG

Expedition 108

Station No. 9

Leg No. 4

Total Core Length 123 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 108 Leg 4 Sta. 10 Core No. 6 PC
Total Length 454 cm. Lat. 1°46.50'N Long. 106°51.07'W Depth 3527 (uncorr.)
Core condition EXCELLENT Date Described 6-13-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE

Lithologic

Log

Detailed Description

0398

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 6 PC

Expedition 108

Station No. 10

Leg No. 4

Total Core Length 454 cm

[illegible]

0399

VISUAL CORE DESCRIPTION

Page 1 of 4

Ship AT Cruise 108 Leg 4 Sta. 11 Core No. 7PC
 Total Length 359 cm. Lat. 8°55'30"N Long. 114°11'33"W Depth 2969
 Core condition EXCELLENT Date Described 6-29-84 by S. DOWNEY
 Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

0400

VISUAL CORE DESCRIPTION

Page 2 of 4

Ship AT Cruise 108 Leg 4 Sta. 11 Core No. 7PC

Lithologic Log

Detailed Description

0401

VISUAL CORE DESCRIPTION

Page 3 of 4Ship AII Cruise 108 Leg 4 Sta. 11 Core No. 7PCLithologic
Log

Detailed Description

0402

VISUAL CORE DESCRIPTION

Page 4 of 4Ship AII Cruise 108 Leg 4 Sta. 11 Core No. 7PCLithologic
Log

Detailed Description

0403

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: All Core No. 7 PC
Expedition 108 Station No. 11
Leg No. 4 Total Core Length 858 cm

[illegible]

0404

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 4 Sta. 11 Core No. 7PG
Total Length 131 cm. Lat. 3°55.90'N Long. 114°11.13'W Depth 3969
Core condition EXCELLENT Date Described 6-28-84 by S. DOWNEY
Physiographic location EAST PACIFIC RISE
Lithologic

Log

Detailed Description

0-131

CALC-SILIC OOZE
2.5 Y 8/3 pale yellow changing to 10 YR 6/4 light-
yellowish brown to, 10 YR 4.5/3 dark brown to
brown, and then to 10 YR 3/3 dark brown.
Slight intermixed mottling between layers of sur-
rounding colors.
Silty lutite with abundant forams.
Very unique matrix striations repeated seven times
every 20 cm, creating one complete unit. One
large 2.5 Y 8/2 white mottle occurring at 76-
78 cm followed by a 0.5 cm wide 5 Y 7/4 pale
yellow mottle extending across liner. A large
gap occurs at 121-125 cm.
S, H between each striation.
END OF CORE.

260

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 7 PG
Expedition 108 Station No. 11
Leg No. 4 Total Core Length 131 cm

[illegible]

0100
VISUAL CORE DESCRIPTION

Page 1 of 4

Ship AI Cruise 108 Leg 4 Sta. 12 Core No. 8PC
Total Length 798 cm. Lat. 4° 43' N Long. 114° 11.9' W Depth 4049 m (corr.)
Core condition EXCELLENT Date Described 7-20-84 by Sharon Downey
Physiographic location EAST PACIFIC RISE

Lithologic

Detailed Description

0407

VISUAL CORE DESCRIPTION

Page 2 of 4

Ship ATL Cruise 108 Leg 4 Sta. 12 Core No. 8PC

Lithologic Log

Detailed Description

0408

VISUAL CORE DESCRIPTION

Page 3 of 4

Ship ATL Cruise 108 Leg 4 Sta. 12 Core No. 8PC

Lithologic Log

Detailed Description

Ship AII Cruise 108 Leg 4 Sta. 12 Core No. 8 PC

Lithologic
Log

Detailed Description

777-798

CALC Ooze
10 YR 8/2 white.
Very silty lutite with common forams.
END OF CORE.

Note: Four, ~15 cm wide, sampling VOIDS due to removal for complete geochemical analysis.

0410

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 8 PC

Expedition 108

Station No. 12

Leg No. 4

Total Core Length 798 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 108 Leg 4 Sta. 12 Core No. 8PG
Total Length 122 cm. Lat. 4° 43'N Long. 114° 11.97'W Depth 4049 m (corn)
Core condition EXCELLENT Date Described 7-20-84 by Sharon Downey
Physiographic location EAST PACIFIC RISE

Lithologic
Log

Detailed Description

0412

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 8 PG
Expedition 108 Station No. 12
Leg No. 4 Total Core Length 122 cm

[illegible]

0413

VISUAL CORE DESCRIPTION

Page 1 of 5

Ship ATL Cruise 108 Leg 4 Sta. 13 Core No. 9PC
 Total Length 866 cm. Lat. 4°01.96'N Long. 114°11.24'W Depth 4021 m (corr.)
 Core condition EXCELLENT Date Described 7-23-84 by Sharon Downey
 Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

0414

VISUAL CORE DESCRIPTION

Page 2 of 5

Ship ATL Cruise 108 Leg 4 Sta. 13 Core No. 9PC

Lithologic Log

Detailed Description

0415

VISUAL CORE DESCRIPTION

Page 3 of 5

Ship AII Cruise 108 Leg 4 Sta. 13 Core No. 9PC

Lithologic Log

Detailed Description

0416

VISUAL CORE DESCRIPTION

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Ship AII Cruise 108 Leg 4 Sta. 13 Core No. 9PC

Lithologic Log

Detailed Description

0417

VISUAL CORE DESCRIPTION

Page 5 of 5

Ship A II Cruise 108 Leg 4 Sta. 13 Core No. 9 PCLithologic
Log

Detailed Description

792-827

CALC OOZE
10 YR 8/3 very pale brown.
Silty lutite with few forams visible.
G, H.

827-845

CALC-SILIC OOZE
10 YR 6/4 light yellowish brown grades to 10 YR 5/4
yellowish brown.
Very slight, 10 YR 8/4 very pale brown with common 6/4 mottling in the 5/4 zone.
Slightly silty lutite with few forams.
G, H.

845-866

CALC OOZE
10 YR 6/4 light yellowish brown grades to 4/2 dark grayish brown and ends with a 1 cm strip of 10 YR 7/3 very pale brown.
Common 10 YR 8/2 white mottling and 10 YR 6/2 light brownish gray mottling in the 10 YR 4/2 zone.
Very silty lutite with abundant forams.
END OF CORE.

0418

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: A IICore No. 9 PCExpedition 108Station No. 13Leg No. 4Total Core Length 866 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)												
		Inorganic Material					Biogenous Material							
		Silt & Sand					Calcareous				Siliceous			
		Detrital grains	Micronodules	Pyrite	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria	Sponges
27	CALC OOZE	1	2	-	TR	42	8	40	-	-	3	3	TR	1
63	CALC OOZE	TR	-	-	TR	42	5	50	-	-	3	TR	TR	-
106	CALC OOZE	TR	-	-	1	45	3	43	-	TR	5	2	1	TR
143	CALC OOZE	1	2	-	TR	33	3	53	-	TR	4	1	2	1
164	CALC OOZE	TR	TR	-	TR	25	7	60	-	TR	6	1	1	TR
182	CALC OOZE	1	3	-	TR	20	1	71	-	-	3	TR	1	TR
239	CALC OOZE	2	-	-	-	44	5	43	-	-	6	1	TR	-
265	CALC OOZE	1	TR	-	TR	29	3	59	-	-	5	1	2	TR
336	NANNO OOZE	TR	TR	-	TR	12	4	75	-	-	5	2	1	1
376	CALC OOZE	TR	TR	-	TR	14	4	73	-	TR	5	2	1	TR
463	CALC OOZE	1	2	-	-	14	8	70	-	-	4	1	TR	TR
544	CALC OOZE	1	TR	-	TR	19	4	56	-	TR	16	2	1	1
573	CALC OOZE	1	TR	-	-	20	4	70	-	TR	4	1	TR	TR
600	CALC OOZE	1	1	-	-	18	10	65	-	TR	3	1	1	TR
641	CALC OOZE	TR	4	-	TR	12	12	67	-	-	2	1	2	TR
721	CALC-SILIC OOZE	TR	1	-	-	14	12	61	-	TR	5	2	3	1
752	CALC OOZE	TR	1	-	-	30	4	61	-	-	2	1	TR	TR
821	CALC OOZE	TR	TR	-	TR	30	9	60	-	-	1	TR	TR	TR
865	CALC OOZE	1	2	-	TR	20	12	68	-	TR	3	TR	TR	TR

Ship ATI Cruise 108 Leg 4 Sta. 13 Core No. 9PG
Total Length 117 cm. Lat. 4° 01.96' N Long. 114° 11.24' W Depth 4021 m. (corr.)
Core condition EXCELLENT Date Described 7-24-84 by Sharon Downey
Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

The diagram is a hand-drawn stratigraphic column. On the left, a vertical scale is marked with numbers 0, 30, 60, 75, 100, and 120. The column is divided into several sections:

- 0-30 cm:** Labeled "SAMPLING VOID".
- 30-60 cm:** Labeled "SAMPLING VOID". The diagram shows horizontal lines with small circles (forams) scattered throughout.
- 60-75 cm:** Labeled "SAMPLING VOID". The diagram shows horizontal lines with small circles (forams) scattered throughout.
- 75-80 cm:** Labeled "SAMPLING VOID". The diagram shows horizontal lines with small circles (forams) scattered throughout.
- 80-89 cm:** Labeled "SAMPLING VOID". The diagram shows horizontal lines with small circles (forams) scattered throughout.
- 89-117 cm:** Labeled "SAMPLING VOID". The diagram shows horizontal lines with small circles (forams) scattered throughout.
- 117-120 cm:** Labeled "END of CORE".

Text descriptions for each section:

- 0-30:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
Intercalated 10 YR 6/3 pale brown with 10 YR 8/2.5 white to very pale brown.
Slight 10 YR 3/3 dark brown, with scattered 2.5 Y 7/2 light gray mottling.
Very silty lutite with common forams.
Sampling Voids from 0-30 cm due to total geochemical analyses.
G, H.
- 30-60:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
2.5 Y 7/4 pale yellow.
Silty lutite with scattered forams.
The orientation of the contact implies repenetration.
The intercalated layers of the previous unit supports the repenetration evidence.
S, Concave upward ("U"-shaped).
- 60-75:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
10 YR 4/3 dark brown to brown.
Heavily intermixed, 10 YR 3/3 dark brown sediment, with matrix.
Silty lutite with scattered forams.
S, I-3°.
- 75-80:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
10 YR 8/2.5 white to very pale brown.
Area of 10 YR 6/3 pale brown in zone 93-100 cm containing 10 YR 8/2.5 white to very pale brown mottles. Also, has scattered 2.5 Y 7/2 light gray mottling throughout unit.
Very silty lutite with abundant forams.
A curved lineated mottle of 10 YR 4/3 dark brown to brown extends across liner at 90 cm. A mottle of 10 YR 7.5/1 white to light gray occurs from 90-92 cm with a center of 5 Y 5/3 olive.
- 80-89:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
10 YR 8/2.5 white to very pale brown.
Area of 10 YR 6/3 pale brown in zone 93-100 cm containing 10 YR 8/2.5 white to very pale brown mottles. Also, has scattered 2.5 Y 7/2 light gray mottling throughout unit.
Very silty lutite with abundant forams.
A curved lineated mottle of 10 YR 4/3 dark brown to brown extends across liner at 90 cm. A mottle of 10 YR 7.5/1 white to light gray occurs from 90-92 cm with a center of 5 Y 5/3 olive.
- 89-117:** SAMPLING VOID, TAKEN FOR GEOCHEMICAL ANALYSIS
CALC OOZE
10 YR 8/2.5 white to very pale brown.
Area of 10 YR 6/3 pale brown in zone 93-100 cm containing 10 YR 8/2.5 white to very pale brown mottles. Also, has scattered 2.5 Y 7/2 light gray mottling throughout unit.
Very silty lutite with abundant forams.
A curved lineated mottle of 10 YR 4/3 dark brown to brown extends across liner at 90 cm. A mottle of 10 YR 7.5/1 white to light gray occurs from 90-92 cm with a center of 5 Y 5/3 olive.
- 117-120:** END of CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 9 PG

Expedition 108Station No. 13

Leg No. 4

Total Core Length 117 cm

[illegible]

0421

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATI Cruise 108 Leg 4 Sta. 14 Core No. 10 PC
 Total Length 844 cm. Lat. 4° 06.63' N Long. 114° 40.98' W Depth 4101 m (corn)
 Core condition EXCELLENT Date Described 7-27-84 by Sharon Downey
 Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

0422

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship ATI Cruise 108 Leg 4 Sta. 14 Core No. 10 PC

Lithologic Log

Detailed Description

0423

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship AI Cruise 108 Leg 4 Sta. 14 Core No. 10PC

Lithologic Log

Detailed Description

427-580 - Cont'd

10 YR 6/3 pale brown grades to 10 YR 7/2 light gray and then to 10 YR 5/3 brown, lightening up to 10 YR 6/3, back to 10 YR 5/3 brown becoming 4/3 dark brown/brown before ending in 10 YR 6/3.

Scattering of distinct N 9/0 mottling throughout cyclic unit. Anomalous mottling occurs in the zone 454-459 cm with heavily concentrated intermixing of 10 YR 7/3, 6/3 and 5/3 in the zone 500-523 cm.

Slightly silty for most of unit, becoming very silty with the onset of the last 10 YR 6/3 pale brown unit.

A large, elongated, N 9/0 white, rimmed mottle occurs at 427-431 cm, as well as a large N 9/0 white mottle at 449-454 cm.

G, H.

580-712

Cyclic unit representative of previous unit, but shows slight compaction in relation to the one above.

Large, distinct, N 9/0 white mottles occur at 584-586 cm 612-614 cm, 620-624 cm. A band of 10 YR 8/2 white spans liner of 640-643 cm. Also, a depression occurs at 680-682 cm.

Contact again inferred, due to VOID.

712-727

VOID - occurs due to sampling for total geochemical analysis.

727-778

CALC Ooze

10 YR 6/2.5 light brownish gray to pale brown.

Common 10 YR 5/2.5 grayish brown to brown mottling with scattered 10 YR 7/3 very pale brown and 10 YR 7/2 light gray.

Silty lutite with scattered forams.

G, H.

778-844

CALC Ooze

10 YR 5/3 brown.

Large, common, distinct, 10 YR 7/3 very pale brown mottles occurring throughout with some commonly dispersed, 10 YR 4/4 dark yellowish brown mottling.

Silty lutite with few forams.

Two distinct, large, N 9/0 white mottles occur upper contact (780-783 cm) with a 10 YR 8/3 very pale brown elongated mottle at 837-844 cm.

END OF CORE

0424

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AICore No. 10 PCExpedition 108Station No. 14Leg No. 4Total Core Length 844 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)											
		Inorganic Material					Biogenous Material						
		Silt & Sand					Calcareous				Siliceous		
		Detrital grains	Microfossils	Zeolites	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discosters	Others	Diatoms	Radiolaria
1	HIGHLY CALC CLAY	TR	TR	-	-	70	6	17	-	-	5	1	1
32	CALC-SILIC Ooze	1	1	-	TR	42	3	40	-	TR	4	3	4
93	CALC-SILIC Ooze	1	2	-	-	44	3	38	-	-	6	3	2
135	CALC Ooze	1	-	-	TR	59	5	30	-	-	3	1	1
168	CALC Ooze	1	-	-	TR	20	10	62	-	TR	6	1	TR
221	CALC Ooze	1	-	-	1	44	2	40	-	TR	8	1	2
284	HIGHLY CALC CLAY	1	2	-	-	70	2	19	-	-	6	TR	TR
300	CALC Ooze	1	TR	-	TR	30	5	59	-	-	4	TR	1
367	CALC Ooze	1	1	-	TR	20	2	68	-	-	5	2	1
440	NANNO Ooze	1	TR	-	-	12	4	75	-	-	4	1	1
470	CALC Ooze	1	1	-	-	20	3	67	-	-	4	1	2
492	NANNO Ooze	1	TR	-	-	16	2	78	-	TR	3	TR	TR
519	CALC Ooze	1	2	-	1	34	4	48	-	-	6	2	2
551	NANNO Ooze	1	1	-	-	12	6	75	-	TR	4	1	TR
752	CALC Ooze	2	2	-	-	18	4	72	-	-	2	TR	TR
841	CALC Ooze	1	TR	-	-	24	2	70	-	-	3	TR	TR

Page 1 of 1

Lithologic Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 10 PG

Expedition 108

Station No. 14

Leg No. 4

Total Core Length 112 cm

[illegible]

0427

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 108 Leg 4 Sta. 15 Core No. 11PC
 Total Length 753 cm. Lat 3°58.99'N Long 114°41.55'W Depth 3866 m (com)
 Core condition EXCELLENT Date Described 7/30/84 by Paul Andrew
 Physiographic location EAST PACIFIC RISE

0428

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 108 Leg 4 Sta. 15 Core No. 11PC

[illegible]

0433

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATI Cruise 108 Leg 4 Sta. 16 Core No. 12PC
 Total Length 789 cm. Lat. 3°58.53'N Long. 114°36.64'W Depth 4046m (corr.)
 Core condition EXCELLENT Date Described 3/2/84 by Paul Andrew
 Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

0434

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship ATI Cruise 108 Leg 4 Sta. 16 Core No. 12PC

Lithologic Log

Detailed Description

Ship AII Cruise 108 Leg 4 Sta. 16 Core No. 12 PC

Lithologic Log

Detailed Description

0436

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL Core No. 12 PC
Expedition 108 Station No. 16
Leg No. 4 Total Core Length 789 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 4 Sta. 16 Core No. 12PG
Total Length 136 cm. Lat. 3°58.53'N Long. 114°36.64'W Depth 4046m (corr)
Core condition EXCELLENT Date Described 8/3/84 by Paul Andrew
Physiographic location EAST PACIFIC RISE

Lithologic

Log

Detailed Description

0438

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 12 PG

Expedition 108

Station No. 16

Leq No. 4

Total Core Length 136 cm

[illegible]

0439

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship A II Cruise 108 Leg 4 Sta. 17 Core No. 13PC
 Total Length 696 cm. Lat. 4° 03.36'N Long. 114° 37.18'W Depth 4053m (corr)
 Core condition EXCELLENT Date Described 9/3/84 by Paul Andrew
 Physiographic location EAST PACIFIC RISE

Lithologic Log

Detailed Description

0440

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship A II Cruise 108 Leg 4 Sta. 17 Core No. 13PC

Lithologic Log

Detailed Description

Ship A II Cruise 108 Leg 4 Sta. 17 Core No. 13PC

0442

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Lithologic Log

Detailed Description

434-507

CALC-SILIC Ooze

10 YR 6/4 light yellowish brown.

Slight 10 YR 5/4 yellowish brown mottling in the zone
434-449 cm.

Silty lutite with scattered forams grading to a common
foram distribution.

A 10 YR 8/2 white mottle forms most of the basal contact of this unit.

S, Irregular

507-591

CALC OOZE

10 YR 8/3 very pale brown.

Common, but hazy, 10 YR 6/3 pale brown mottling noted in the zones 523-527 cm and 536-559 cm.

Very silty lutite with abundant forams, grades to silty
lutite with a common foram distribution.

A few, N 9/0 white, ovoid mottles noted in the zone 507-539 cm.

G, Mottled.

591-612

CALC-SILIC OOZE

10 YR 7/4 very pale brown.

Extensive 10 YR 6/4 light yellowish brown mottling throughout.

Silty lutite with scattered forams.

Very G, Mottled.

612-646

CALC-SILIC OOZE

10 YR 8/4 very pale brown.

Extensive 10 YR 5/2.5 grayish brown to brown mottling in the zone 630-646 cm.

Very silty lutite with abundant forams.

A few, small, 10 YR 8/2 white mottles noted throughout.
G. H.

646-696

CALC-SILIC Ooze

10 YR 8/2 white grades to 10 YR 8/3 very pale brown.

Common but hazy, 10 YR 6/3 pale brown mottling in the zone 687-696 cm.

Silty lutite with a common foram distribution grades to very silty lutite with abundant forams.

END OF CORE.

Ship: AIT

Core No. 13 PC

Expedition 108

Station No. 17

Leg No. 9

Total Core Length 696 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Lithologic Log

Detailed Description

Note: The sediment within the sampling VOIDS were removed for complete geochemical analysis.

0444

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. _____ 13 PG

Expedition 108Station No. 17

Leg No. 4

Total Core Length 136 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 5 Sta. 18 Core No. 14PG
Total Length 143 cm. Lat. 25°02.63'N Long. 38°03.17'W Depth 5615m (core)
Core condition EXCELLENT Date Described 8/7/84 by Past Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #1
Lithologic

Detailed Description

0-143

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Very faint 10 YR 5/3 brown mottling noted in the zone 81-143 cm. The matrix sediment of the mottled zone also appears to be faintly laminated, however, the colors are too close to the deciphered by Munsell. Slightly silty lutite.

END OF CORE.

END OF CORE.

0448

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 14 PC

Expedition 108Station No. 18

Leg No. 5

Total Core Length 143 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AT Cruise 108 Leg 5 Sta. 19 Core No. 15PC
Total Length 855 cm. Lat. 25°07'60"N Long. 68°04'36"W Depth 5620
Core condition EXCELLENT Date Described 8/7/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #1.

Lithologic

Log

Detailed Description

0-290

SLIGHTLY CALC CLAY GRADES TO UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Common, 10 YR 5.5/3 brown to pale brown mottling in the zones 30-34 cm and 61-65 cm. Also, megascopically identifiable mn-micronodules noted to occur with a common distribution in the zone 142-290 cm, otherwise only a few mn-nodules noted elsewhere.

Slightly silty lutite.

A singular, 10 YR 3/2 very dark grayish brown streak noted at 17 cm.

G. H.

290-330

CALC 00ZE

10 YR 5/4 yellowish brown.

Extensive to complete, inter-mixing/mottling occurs in the zone 299-315 cm with 10 YR 4/3 brown to dark brown being the noted color.

Silty lutite with scattered forams and megascopically identifiable mm-micronodules.

The 10 YR 4/3 sediment is similar to the sediment of the neighboring units.

G. Mottled.

330-855

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Zones of megascopically identifiable mn-micronodules, occurring in common concentrations, noted between 345-365 cm, 378-435 cm and 453-473 cm; otherwise, a few mn-micronodules noted elsewhere.

Slightly silty lutite.

A few forams occur in the zone 345-365 cm.

END OF CORE.

Q450

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 15 PC

Expedition 108

Station No. 19

Leq No. 5

Total Core Length 855 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 5 Sta. 19 Core No. 15PG
Total Length 142 cm. Lat. 25°07.60'N Long. 68°04.9'W Depth 5620m (corr)
Core condition EXCELLENT Date Described 8/7/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #1

Lithologic
Log

Detailed Description

0-142

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Very slight, faint, 10 YR 5/3 brown mottling noted in the zone 52-142 cm.

Slightly silty lutite.

END OF CORE.

0452

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 15 PG

Expedition 108

Station No. 19

Leg No. 5

Total Core Length 142 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 5 Sta. 20 Core No. 16 PC
Total Length 824 cm. Lat. 25° 06.69' N Long. 68° 02.41' W Depth 5573 m (corr.)
Core condition EXCELLENT Date Described 8/9/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #1.
Lithologic Log Detailed Description

Detailed Description

0-252

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown

Small, scattered, megascopically identifiable mn-micro-nodules noted throughout.

Slightly silty lutite.

Only slight amounts of core material remains in the zone
0-7 cm.

G, Irregular, Faint.

252-269

CALC 00ZE

10 YR 6/4 light yellowish brown.

Silty lutite with scattered forams and megascopically identifiable mn-micronodules.

G, Mottled.

269-289

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Scattered, foram rich, inter-mixing/mottles occurs between this unit and the two surrounding units.

Slightly silty lutite.

A few mm-micronodules noted throughout.

G, Very Mottled.

289-304

CALC OOZE

10 YR 6/4 light yellowish brown

Silty lutite with scattered forams and mn-micronodules throughout.

G, Very Mottled.

304-824

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown.

Common distributions of megascopically identifiable mn-micronodules noted in the zones 331-344 cm, 410-502 cm.

Otherwise, scattered mn-micronodules occur elsewhere.

Slightly silty lutite.

An anomalous patch of slightly lighter (10 YR 5/4 yellowish brown), foram rich sediment occurs between 333-342 cm.

END OF CORE.

0454

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 16 PC

Expedition 108

Station No. 20

Leg No. 5

Total Core Length 824 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship AII Cruise 108 Leg 5 Sta. 20 Core No. 16PG
Total Length 143 cm. Lat. 25°06.6'N Long. 68°02.4'W Depth 5573m (core)
Core condition EXCELLENT Date Described 8/1/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #1.

Lithologic
Log

Detailed Description

0-143

UNFOSSILIFEROUS CLAY

10 YR 4/3 brown to dark brown grades to 7.5 YR 4/4 brown to dark brown grading back to 10 YR 4/3.

Scattered 10 YR 5/3 brown mottling noted in the zones 50-57 cm along with slight, brown flecking occurring between 108-143 cm.

Slightly silty lutite.

A compaction VOID noted in the zone 0-2 cm.
END OF CORE.

0456

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 16 PG

Expedition 108

Station No. 20

Leg No. 5

Total Core Length 143 cm

[illegible]

0457

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship A II Cruise 108 Leg 5 Sta. 21 Core No. 17 PC
 Total Length 777 cm. Lat. 27° 04.62' N Long. 71° 06.62' W Depth 5584 m (corr)
 Core condition EXCELLENT Date Described 3/10/84 by Paul Andrew
 Physiographic location NARES ABYSSAL PLAIN, SITE #2

Lithologic Log

Detailed Description

0-321

MATRIX VARIES FROM CALC CLAY TO CALC CLAY WITH DETRITUS TO SLIGHTLY CALC CLAY. THIS MATRIX IS INTERCALATED WITH LAYERS OF DETRITAL SILT.

Intercalated matrix colors, ranging from 10 YR 5/2 grayish brown to 10 YR 5.5/2 grayish brown-light brownish gray. These finer and more abundant matrix sediments are also intercalated with thick (2-10 cm wide), coarse, layers of silt, dominantly colored 10 YR 5/1 gray.

Some slight inter-mixing/mottling occurs between the described "unit" colors.

Very silty lutite intercalated with silt. This morphology is indicative of abyssal turbidites. Note: The entire core exhibits the repetitive layering of turbidite sequences.

Many of the silt layers show a convex upwards morphology or other, more drastic examples of coring disturbances. Graded bedding is also apparent in many of the silt layers.

S, H.

321-460

SLIGHTLY CALC CLAY INTERCALATED WITH DETRITAL SILT
 Matrix sediment grades from 10 YR 6/2 light brownish gray to 10 YR 5/1 gray. This is intercalated with thin (1mm-1cm wide), abundant layers of silt, also colored gray. Again, some slight inter-mixing/mottling is noted.
 Very silty lutite intercalated with silt.
 A few forams noted in the zone 321-327 cm.
 S, Very Disturbed.

460-528

CALC CLAY INTERCALATED WITH DETRITAL SILT.
 Matrix colors of 10 YR 5/3, 5/2 and 6/2, brown, grayish brown and light brownish gray, respectively. These are intercalated with 10 YR 5/1 gray silt.
 Again, some slight inter-mixing/mottling is noted.
 Very silty lutite intercalated with silt.
 One layer of silt exhibits fine laminations within its own boundaries (506-528 cm), along with clearly graded beds.
 Very S, H.

528-622

SLIGHTLY CALC CLAY INTERCALATED WITH DETRITAL SILT
 Matrix sediment noted as 10 YR 5/3 brown changing to 10 YR 6/4 light yellowish brown grading back to 10 YR 5/3 brown. This is intercalated with a few silt layers which mimic the color of their surrounding matrix sediment.
 Scattered inter-mixing/mottling occurs between the described "unit" colors.

Very silty lutite intercalated with silt.

Scattered forams noted in the zone 575 - 593 cm.
 G, H.

0458

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship A II Cruise 108 Leg 5 Sta. 21 Core No. 17 PC

Lithologic Log

Detailed Description

622-777

SLIGHTLY CALC CLAY WITH DETRITUS TO SLIGHTLY CALC CLAY, INTERCALATED WITH SILT

A noted matrix color, 10 YR 5/2 grayish brown, intercalated with layers of 10 YR 4.5/2 grayish brown to dark-grayish brown silt.

Very silty lutite intercalated with silt.

One of the layers of silt is very thick (~35 cm) and exhibits clearly graded beds. Also, an anomalous "cone shaped" zone of 7.5 YR 5/2 brown sediment, rimmed by "unit" colors, occurs within 758-777 cm.

END OF CORE.

0459

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 17 PC
Expedition 108 Station No. 21
Leg No. 5 Total Core Length 777 cm

[illegible]

0460

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg. 5 Sta. 21 Core No. 17 PG
Total Length 58 cm. Lat. 27°04.62' N Long. 71°06.62' W Depth 5584m (corr.)
Core condition EXCELLENT Date Described 8/9/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #2

Lithologic

Detailed Description

0-58

CALC CLAY INTERCALATED WITH DETRITAL SILT
Matrix sediment colors of 10 YR 5/2 grayish brown, down to a depth of 26 cm, with 10 YR 5.5/2 grayish brown to light brownish gray being noted throughout the remainder of the core. These are intercalated with distinctive layers of ~ 2 cm wide, 10 YR 5/1 gray colored silt.

Same slight inter-mixing/mottling occurs between the described "unit" colors.

Very silty lutite intercalated with silt. This morphology is indicative of abyssal turbidites.

One layer of silt is capped by an oxidized layer in the zone 37-38 cm, colored 10 YR 4/3 brown to dark brown.

Also, the silt layers show slight graded bedding.

A bubble VOID occurs in the zone 50-52 cm.
END OF CORE.

0461

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 17 PG
Expedition 108 Station No. 21
Leg No. 5 Total Core Length 58 cm

[illegible]

0462

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 108 Leg 5 Sta. 22 Core No. 18PC
Total Length 862 cm. Lat. 26°56.44'N Long. 71°09.48'W Depth 5586 m. (corr.)
Core condition EXCELLENT Date Described 8/13/84 by Paul Andrew
Physiographic location NARES ABYSSAL PLAIN, SITE #2
Lithologic _____ Detailed Description _____

Detailed Description

Log

Depth (cm)	Soil Profile Description	Notes / Observations
0-18	SILT - SILT SILT SILT SILT	SLIGHTLY CALC CLAY WITH DETRITUS TO SILT 10 YR 5/3 brown changing to 10 YR 5/1 gray silt. Common textural mottling between the lutite and silt, possibly attributable to coring disturbance. Very silty lutite changing to silt. Graded bedding. S, Disturbed.
18-71	(Symbol) SILT SILT SILT SILT	SLIGHTLY CALC CLAY GRADING TO UNFOSSILIFEROUS CLAY, INTERCALATED WITH SILT. 10 YR 5/2 grayish brown grading to 10 YR 5/3 brown, intercalated with 1-5 cm wide silt layers which mimic the color of the surrounding matrix sediment. Slight, 10 YR 4/3 brown to dark brown flecking noted in the zones 31-34 cm and 46-51 cm. Very silty lutite intercalated with silt. Graded bedding. S, Disturbed.
71-288	SILT SILT SILT SILT	UNFOSSILIFEROUS CLAY GRADING TO SLIGHTLY CALC CLAY, INTERCALATED WITH SILT. 10 YR 5/3 brown grades to 10 YR 5/2 grayish brown, intercalated with 1-5 cm wide, 10 YR 5/2 grayish brown silt. Some slight inter-mixing/mottling occurs between the described "unit" colors. Silty lutite intercalated with silt. Most all the silt layers have a convex upwards morphology, or exhibit other more drastic forms, characteristic of coring disturbances. S, Disturbed.
288-368	SILT - SILT - SILT	UNFOSSILIFEROUS CLAY GRADING TO SLIGHTLY CALC CLAY, INTERCALATED WITH SILT. 10 YR 5/3 brown grading to 10 YR 5/2 grayish brown, intercalated with 1-10 cm wide layers of 10 YR 5/2 grayish brown silt. Again, some slight inter-mixing/mottling occurs between the described "unit" colors. Very silty lutite intercalated with silt. Some layering and graded bedding noted within an individual silt bed in the zone 300-309 cm. Very S, H.
368-640	SILT SILT SILT SILT	UNFOSSILIFEROUS CLAY GRADING TO SLIGHTLY CALC CLAY, INTERCALATED WITH SILT. Three-cyclically bedded units of 10 YR 5/2 grayish brown grading to 10 YR 5/1 gray. Each of these units are intercalated with highly disturbed layers of 10 YR 5/1 gray silt. Scattered, textural inter-mixing/mottling occurs between the lutite and silt layers.

0467

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship ATL Cruise 108 Leg 5 Sta. 23 Core No. 19PC
 Total Length 604 cm. Lat. 26°57.68'N Long. 71°24.42'W Depth 5508
 Core condition EXCELLENT Date Described 7-30-84 by Sharon Downey
 Physiographic location NARES ABYSSAL PLAIN, SITE #2

Lithologic Log

Detailed Description

0468

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship ATL Cruise 108 Leg 5 Sta. 23 Core No. 19PC

Lithologic Log

Detailed Description

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship A II Cruise 108 Leg 5 Sta. 23 Core No. 19 PC

Lithologic
Log

Detailed Description

457-488

SLIGHTLY CALC CLAY

10 YR 5/2 grayish brown, grades to 2.5 Y 5/2 grayish brown.
 Firm and smooth, slightly silty lutite.
 G. H.

488-517

SLIGHTLY CALC CLAY

5 Y 5/2 grayish brown.

Scattered 2.5 Y 5/2 grayish brown mottling between 500-508 cm.

Firm and smooth, silty lutite.

One thin band of 10 YR 4/4 dark yellowish brown silt at 494 cm and, 0.2 cm wide, band of 2.5 Y 5/2 grayish brown silt occurs from 508-510 cm.

S. Convex upward.

517-585

SLIGHTLY CALC CLAY

5 Y 6/2 light brownish gray grades to 2.5 Y 5/2 grayish brown.

Common 5Y 6/2 mottling in gradational zone (522-526 cm).
Firm and smooth, silty lutite.

G, Mottled.

585-604

UNFOSSILIFEROUS CLAY

10 YR 4/3 dark brown/brown intercalated with 2.5 Y 5/2 grayish brown.

Intermottling of the two matrix colors appears common.

Form and smooth, silty lutite.

END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 19 PC

Expedition 108Station No. 23

Leg No. 5

Total Core Length 604 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATL Cruise 108 Leg 5 Sta. 23 Core No. 1976
Total Length 143 cm. Lat. 26°57.68'N Long. 71°24.42'W Depth 5508m (corr.)
Core condition EXCELLENT Date Described 7/30/84 by Sharon Bouney
Physiographic location NARES ABYSSAL PLAIN, SITE #2

Lithologic Log

Detailed Description

0472

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 19 PG

Expedition 108

Station No. 23

Leq No. 5

Total Core Length 143 cm

[illegible]

0473

VISUAL CORE DESCRIPTION

Page 1 of 4

Ship ATL Cruise 108 Leg 5 Sta. 24 Core No. 207C
 Total Length 966 cm. Lat. 26°55.70'N Long. 71°25.86'W Depth 5508 (m, correct?)
 Core condition EXCELLENT Date Described 7-17-84 by Sharon Downey
 Physiographic location NARES ABYSSAL PLAIN, SITE #2

Lithologic

Detailed Description

0474

VISUAL CORE DESCRIPTION

Page 2 of 4

Ship ATL Cruise 108 Leg 5 Sta. 24 Core No. 207C

Lithologic Log

Detailed Description

0475

VISUAL CORE DESCRIPTION

Page 3 of 4

Ship ATI Cruise 108 Leg 5 Sta. 24 Core No. 20 PC

Lithologic Log

Detailed Description

0476

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship ATI Cruise 108 Leg 5 Sta. 24 Core No. 20 PC

Lithologic Log

Detailed Description

0477

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ATI Core No. 20 PC
 Expedition 108 Station No. 24
 Leg No. 5 Total Core Length 866 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)											
		Inorganic Material					Biogenous Material						
		Silt & Sand					Calcareous				Siliceous		
		Detrital grains	Micronodules	Pyrite	Pyrite shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria Sponges
2	CALC OOZE	7	1	TR	TR	45	TR	45	-	-	2	-	-
31	HIGHLY CALC CLAY	5	1	-	TR	75	TR	18	-	TR	1	-	TR
51	CALC OOZE	6	2	TR	TR	60	TR	30	TR	TR	2	-	TR
89	CALC CLAY	8	1	TR	TR	84	TR	3	-	-	4	-	TR
191	CALC OOZE	2	TR	2	TR	45	TR	50	-	-	1	-	-
281	SLIGHTLY CALC CLAY	6	TR	1	TR	89	TR	TR	-	-	4	-	-
321	SLIGHTLY CALC CLAY	10	2	TR	TR	85	-	2	-	-	1	-	-
406	CALC OOZE	1	TR	1	TR	45	-	50	-	1	2	-	-
502	HIGHLY CALC CLAY	8	1	TR	1	66	-	22	-	-	2	-	-
517	CALC OOZE	2	1	TR	-	22	4	68	-	-	3	-	TR
547	SLIGHTLY CALC CLAY	10	3	1	TR	82	-	TR	-	-	4	-	-
563	SLIGHTLY CALC CLAY	8	2	2	1	82	-	2	-	TR	3	-	-
666	HIGHLY CALC CLAY	6	1	1	TR	66	-	21	-	TR	5	-	TR
766	HIGHLY CALC CLAY	4	1	TR	TR	78	-	15	-	-	2	-	-
864	SLIGHTLY CALC CLAY	4	1	TR	TR	93	-	TR	-	-	2	-	-

0478

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 5 Sta. 24 Core No. 20 PC
 Total Length 140 cm. Lat. 26° 55.70' N Long. 71° 25.86' W Depth 5508 m (corr.)
 Core condition EXCELLENT Date Described 7-17-84 by Sharon Dancy
 Physiographic location NARES ABYSSAL PLAIN, SITE #2
 Lithologic Log

Detailed Description

0-9
 HIGHLY CALC CLAY
 10 YR 4.5/1 dark gray to gray.
 Lutite with no forams.
 S, Concave downward.

9-15
 CALC OOZE
 10 YR 5/2 grayish brown.
 Lutite without any visible forams.
 A 2 cm wide band of silt, colored 10 YR 4/2 dark grayish brown, exists at 13-15 cm.
 S, H.

15-70
 SLIGHTLY CALC CLAY
 10 YR 5/2 grayish brown.
 Heavily stratified laminations of 10 YR 5/1 gray
 10 YR 4/1 dark gray, 10 YR 6/2 light brownish gray and
 10 YR 5/3 brown.
 Slightly silty lutite with no forams visible.
 A 1 cm wide band of aforementioned silt again appears
 at 22-23 cm and a mottle of it occurs at 21-22 cm.
 Also are mottles of semi-lithified lutite, 2.5 Y 5/2
 grayish brown, at 19-20 cm, 34 cm, 36-39 cm, 47-49 cm
 and a band which spans liner at 64-65 cm.
 G, H.

70-140
 CALC OOZE
 10 YR 6/2 light brownish gray.
 Similar stratifications of previous unit with same coloring (difference is in matrix coloring).
 Slightly silty lutite without visible forams.
 A 2 cm wide band of 10 YR 3/3 dark brown silt exists at
 83-85 cm, mottling (of the silt) occurring at 112 cm,
 116 cm and between 121-123 cm. Also,
 patches of silty clay, colored 10 YR 4.5/1 dark gray
 to gray, noted at 70 cm, 77-80 cm and 117-120 cm. A
 2 cm wide band of 10 YR 4.5/1 dark gray silt spans
 the liner at an angle in the zone 72-77 cm with a thin
 lamination occurring at 128 cm.
 END OF CORE.

100

0483

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AlI Core No. 1 GC
Expedition 108 Station No. 26
Leg No. 5 Total Core Length 209 cm

[illegible]

0484

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATI Cruise 108 Leg 5 Sta. 27 Core No. 2GC
Total Length 545 cm. Lat. 27° 29.24' N Long. 73° 49.38' W Depth 4669 (start)
Core condition EXCELLENT Date Described 7-11-84 by Sharon Dawsey
Physiographic location BLAKE BAHAMA OUTER RIDGE, SITE #3

Lithologic

Detailed Description

Ship AII Cruise 108 Leg 5 Sta. 27 Core No. 2GC

Lithologic
Log

Detailed Description

392-545

NANNO OOZE INTERCALATED WITH SILIC CLAY
10 YR 5/1 gray intercalated with 10 YR 6/1 light gray
to gray.
Slight 10 YR 5/2 grayish brown mottling with a patch
of 10 YR 3/1 very dark gray mottles at 430-434 cm.
Firm, smooth and slightly silty lutite.
Intercalated layer contacts at 403 cm, 448 cm, 480 cm,
503 cm and 533 cm.
END OF CORE.

END OF CORE

0486

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 2 GC

Expedition 108Station No. 27

Leg No. 5

Total Core Length 545 cm

[illegible]

0489

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship AII Cruise 108 Leg 5 Sta. 29 Core No. 4GC
 Total Length 392 cm. Lat. 27° 58.54' N Long. 74° 38.53' W Depth 4940 (start)
 Core condition EXCELLENT Date Described 7-13-84 by S. P. DOWNEY
 Physiographic location BLAKE BAHAMA RISE, SITE #4

Lithologic
Log

Detailed Description

0490

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 108 Leg 5 Sta. 29 Core No. 4GC

Lithologic
Log

Detailed Description

0491

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII Core No. 4 GC
Expedition 108 Station No. 29
Leg No. 5 Total Core Length 392 cm

[illegible]

0492

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship ATI Cruise 108 Leg 5 Sta. 30 Core No. 5GC
Total Length 440 cm. Lat. 27°54.25'N Long. 74°42.24'W Depth 4941 (shoat, corr.)
Core condition EXCELLENT Date Described 7-13-84 by S.P. DOWNEY
Physiographic location BLAKE BAHAMA RISE, SITE #4
Lithologic _____ Detailed Description _____

0493

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: AII

Core No. 5 GC

Expedition 108

Station No. 30

Leg No. 5

Total Core Length 440 cm

[illegible]

0494

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship ATI Cruise 108 Leg 5 Sta. 31 Core No. 6GC
Total Length 467 cm. Lat. 27°56.02'N Long. 74°46.75'W Depth 4%1 (start, corr.)
Core condition EXCELLENT Date Described 7-16-84 by S.P. DOWNNEY
Physiographic location BLAKE BAHAMA RISE SITE #4

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 108 Leg 5 Sta. 31 Core No. 66C

Detailed Description

403-467

HIGHLY CALC CLAY

Intercalated layers of 10 YR 6/2 light brownish gray with 10 YR 5/1.5 gray to grayish brown.

Slight 10 YR 5/2 grayish brown mottling.

Silty lutite with no forams.

Banding of 10 YR 5/3 brown, semi-lithified lutite in the zones 409-414 cm and 465 cm. Mottling of this sediment is dispersed slightly near these zones. A very thin lamination of 2.5 Y 5/4 light olive brown occurs at 457 cm.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 6 GC

Expedition 108

Station No. 31

Leg No. 5

Total Core Length 467 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship AII Cruise 108 Leg 5 Sta. 31 Core No. 66C

Detailed Description

403-467

HIGHLY CALC CLAY

Intercalated layers of 10 YR 6/2 light brownish gray with 10 YR 5/1.5 gray to grayish brown.

Slight 10 YR 5/2 grayish brown mottling.

Silty lutite with no forams.

Sixty adults with no tumors.

Banding of 10 YR 5/3 brown, semi-lithified lutite in the zones 409-414 cm and 465 cm. Mottling of this sediment is dispersed slightly near these zones. A very thin lamination of 2.5 Y 5/4 light olive brown occurs at 457 cm.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ALL

Core No. 6 GC

Expedition 108

Station No. 31

Leg No. 5

Total Core Length 467 cm

[illegible]

ENDEAVOR 066
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0497

0498

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
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1

SHIP	CRUISE	LFG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS	
END	66	1	0001	0000	26	81 524	8 58.5°N	19 52.0°W	1	2.89	0001	1063.	0.	0000	12	0000	0	TRACES	
END	66	1	0002	0000	26	81 524	8 56.4°N	19 54.8°W	9	2.89	0002	1817.	0.	0000	12	0000	0	TRACES	
END	66	1	0003	0000	26	81 525	7 55.9°N	21 0.3°W	1	3.71	0003	1487.	0.	0000	12	0000	0	TRACES	
END	66	1	0004	0000	26	81 525	6 56.3°N	21 55.0°W	1	3.61	0004	1161.	0.	0000	12	0000	0	TRACES	
END	66	1	0005	0000	26	81 525	6 51.8°N	21 56.2°W	9	3.61	0005	1151.	0.	0000	12	0000	0	TRACES	
END	66	1	0008	0000	26	81 525	6 44.2°N	21 54.0°W	1	3.61	0008	3338.	0.	0000	12	0000	0	TRACES	
END	66	1	0009	0000	26	81 525	6 39.8°N	21 53.9°W	1	3.61	0009	3521.	93.	0000	12	3039	0		
			MINOR SED TYPE: CALC SILIC OOZE																
END	66	1	0010	0000	17	81 526	6 38.4°N	21 53.8°W	1	3.61	0010	3527.	303.	0000	12	3039	0		
			MINOR SED TYPE: CALC SILIC OOZE																
END	66	1	0011	0000	17	81 526	6 1.3°N	21 53.8°W	1	3.61	0011	3695.	153.	0000	13	0329	0		
			MAJOR SED TYPE: CALC SILIC OOZE																
END	66	1	0012	0000	17	81 521	6 25.0°N	21 41.1°W	1	3.61	0012	3797.	306.	0000	13	0321	0		
			MAJOR SED TYPE: CALC SILIC OOZE																
END	66	1	0013	0000	17	81 526	5 56.8°N	21 26.0°W	9	3.51	0013	3635.	53.	0000	13	0329	0		
			MAJOR SED TYPE: CALC SILIC OOZE																
END	66	1	0014	0000	17	81 526	5 36.0°N	21 16.1°W	1	3.51	0014	3338.	272.	0000	13	3029	0		
			MINOR SED TYPE: CALC SILIC OOZE																
END	66	1	0015	0000	17	81 527	5 32.8°N	21 13.0°W	1	3.51	0015	3247.	184.	0000	13	3329	0		
END	66	1	0016	0000	17	81 527	5 27.2°N	21 8.6°W	1	3.51	0016	3160.	188.	0000	13	3329	0		
END	66	1	0017	0000	17	81 527	5 22.0°N	21 5.3°W	1	3.51	0017	3014.	269.	0000	13	3329	0		
END	66	1	0018	0000	17	81 527	5 11.0°N	21 1.2°W	1	3.51	0018	2683.	0.	0000	13	0000	0	TRACES	
END	66	1	0019	0000	17	81 527	5 8.2°N	20 59.8°W	1	3.50	0019	2701.	0.	0000	13	0000	0	TRACES	
END	66	1	0020	0000	17	81 527	5 5.0°N	20 59.2°W	1	3.50	0020	2756.	80.	0000	13	3329	0		
END	66	1	0021	0000	17	81 527	4 14.0°N	20 37.5°W	1	3.40	0021	3792.	274.	0000	13	3322	0		
END	66	1	0022	0000	17	81 528	4 10.1°N	20 35.2°W	1	3.40	0022	4079.	0.	0000	13	0000	0	TRACES	
END	66	1	0023	0000	17	81 528	4 10.8°N	20 32.1°W	1	3.40	0023	4122.	261.	0000	13	3022	0		
			MINOR SED TYPE: SILIC-CALC OOZE																
END	66	1	0024	0000	17	81 528	3 50.8°N	20 22.0°W	1	3.30	0024	4518.	298.	0000	13	3322	0		
END	66	1	0025	0000	17	81 528	3 32.4°N	20 13.5°W	1	3.30	0025	4630.	286.	0000	13	3038	0		
			MINOR SED TYPE: CALC-SILIC OOZE																
END	66	1	0026	0000	17	81 528	3 5.1°N	20 0.9°W	1	3.30	0026	4745.	292.	0000	13	3022	0		
			MINOR SED TYPE: SILIC CALC OOZE																
END	66	1	0027	0000	17	81 528	2 54.0°N	19 56.2°W	1	2.29	0027	4840.	287.	0000	13	0332	0		
			MAJOR SED TYPE: CALC SILIC OOZE																
END	66	1	0028	0000	17	81 529	2 32.0°N	19 48.5°W	1	2.29	0028	4992.	289.	0000	13	3039	0		
			MINOR SED TYPE: CALC-SILIC OOZE																
END	66	1	0029	0000	17	81 529	2 27.6°N	19 45.7°W	1	2.29	0029	5105.	216.	0000	13	3032	0		
			MINOR SED TYPE: HIGHLY CALC-SILIC CLAY																
END	66	1	0030	0000	17	81 529	2 21.5°N	19 42.9°W	1	2.29	0030	5228.	128.	0000	13	0428	0		
			MAJOR SED TYPE: CALC SILIC OOZE																
END	66	1	0031	0000	17	81 529	2 12.7°N	19 40.9°W	1	2.29	0031	5321.	104.	0000	13	3038	0		
			MINOR SED TYPE: CALC-SILIC OOZE																
END	66	1	0032	0000	17	81 529	2 28.3°N	19 44.0°W	1	2.29	0032	4998.	155.	0000	13	3029	0		
			MINOR SED TYPE: CALC-SILIC OOZE																

0499

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
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2

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YRMONDA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END DEPTH	DREDGE OR SAMPLE WEIGHT	PHYSTO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
END 66	1	0033	0000	17	81 529	2 38.6°N	19 45.1°W	1	2.29	0033	4848.	284.	0000	13	3339	0	
END 66	1	0034	0000	17	81 530	2 57.2°N	19 50.0°W	1	2.29	0034	4702.	294.	0000	13	3032	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0035	0000	17	81 530	4 9.8°N	20 11.3°W	1	3.40	0035	4430.	81.	0000	13	0328	0	
MAJOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0036	0000	17	81 530	4 18.3°N	20 17.7°W	1	3.40	0036	4095.	287.	0000	13	0329	0	
MAJOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0037	0000	15	81 530	4 48.8°N	20 24.8°W	1	3.40	0037	3009.	1037.	0000	13	3328	0	
END 66	1	0037	0000	26	81 530	4 48.8°N	20 24.8°W	1	3.40	0037	3009.	152.	0000	13	3029	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0038	0000	17	81 531	4 55.1°N	20 29.9°W	1	3.40	0038	2937.	247.	0000	13	3329	0	
END 66	1	0039	0000	17	81 531	5 4.3°N	20 52.0°W	1	3.50	0039	2823.	276.	0000	13	3329	0	
END 66	1	0040	0000	17	81 531	5 7.5°N	21 2.2°W	1	3.51	0040	2737.	7.	0000	13	0000	0	
END 66	1	0041	0000	17	81 531	5 8.3°N	20 58.8°W	1	3.50	0041	2632.	0.	0000	13	0000	0	
END 66	1	0042	0000	17	81 531	5 10.0°N	21 1.7°W	1	3.51	0042	2566.	54.	0000	13	3329	0	
END 66	1	0043	0000	17	81 531	5 15.8°N	21 38.3°W	1	3.51	0043	3187.	275.	0000	13	3331	0	
END 66	1	0044	0000	17	81 6 1	5 15.8°N	21 42.7°W	1	3.51	0044	3423.	301.	0000	13	3329	0	
END 66	1	0045	0000	17	81 6 1	5 18.1°N	21 55.6°W	1	3.51	0045	3654.	298.	0000	13	3029	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0046	0000	17	81 6 1	5 17.8°N	22 1.6°W	1	3.52	0046	3623.	295.	0000	13	3029	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0047	0000	17	81 6 1	5 18.8°N	22 11.8°W	1	3.52	0047	3960.	285.	0000	13	3022	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0048	0000	15	81 6 1	5 20.2°N	22 22.5°W	9	3.52	0048	4085.	1156.	0000	13	3320	0	
FORAM SAND LAYERS																	
END 66	1	0048	0000	26	81 6 1	5 20.2°N	22 22.5°W	9	3.52	0048	4085.	160.	0000	13	0329	0	
MAJOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0049	0000	15	81 6 1	5 22.5°N	22 40.6°W	1	3.52	0049	4246.	1094.	0000	13	3429	0	
END 66	1	0049	0000	26	81 6 1	5 22.5°N	22 40.6°W	1	3.52	0049	4246.	159.	0000	13	3029	0	
MINOR SED TYPE: CALC-SILIC OOZE																	
END 66	1	0051	0000	17	81 6 2	5 25.1°N	22 41.6°W	1	3.52	0051	4263.	291.	0000	13	3439	0	
END 66	1	0052	0000	17	81 6 2	5 29.2°N	23 12.0°W	1	3.53	0052	4388.	194.	0000	13	3032	0	
MINOR SED TYPE: CALC-SILIC OOZE																	

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 9 Core No. 96C
Total Length 93 cm. Lat. 6° 32.88' N Long. 21° 53.96' W Depth 3521 m (corr)
Core condition Excellent Date Described 10/18/83 by J. Broda
Physiographic location South of unknown seamount

Lithologic Log

Detailed Description

2-9

CALC Ooze

10 YR 5/2 grayish brown.
Slight, very faint 10 YR 6/3 pale brown mottling.
Very silty lutite with very abundant forams.
S. I.

9-70

CALC 00ZE

10 YR 6/4 light yellowish brown grades to 10 YR 5/4 yellowish brown and back to 6/4.
Slight mottling throughout but extensive in the zone 22 - 30 cm with 10 YR 4/4 dark yellowish brown the dominant color.
Silty lutite with forams more abundant in the zone 9-19 cm. Overall scattered forams elsewhere.
S. H.

70-93

CALC-SILIC OOZE

10 YR 6/4 light yellowish brown.
Common, large, dark grayish brown mottles in the zones
70 - 74 cm and 83 - 90 cm.
Slightly silty lutite with scattered forams.
END OF CORE.

0501

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 9 GC

Expedition 066

Station No. 9

Leg No. 1

Total Core Length 93 cm

[illegible]

0502
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 10 Core No. 1066C
Total Length 295 cm. Lat. 6°38.44'N Long. 21°53.84'W Depth 3527m (corr)
Core condition EXCELLENT Date Described 10/17/83 by P. Radrew
Physiographic location SOUTH OF UNKNOWN SEAMOUNT

Lithologic

Detailed Description

0-2 Void

2-13

CALC Ooze

10 YR 5/2 grayish brown.

Slight 10 YR 6/3 pale brown mottling.

Very silty lutite with very abundant forams.

G, H.

13-71

CALC-SILIC Ooze

10 YR 5/6 yellowish brown.

Slight mottling throughout but extensive in the zones 25-35 cm and 52-64 cm with 10 YR 4/4 dark yellowish brown being the dominant color.

Silty lutite with forams more abundant in zones 13-21 cm and 46-52 cm. Overall scattered forams elsewhere.

G, mottled.

71-132

CALC-SILIC Ooze

10 YR 5/4 yellowish brown grading to 10 YR 5/6 back to 10 YR 5/4 which grades to 10 YR 6/4.

Common mottling throughout but more extensive in the zone 87-93 cm and less so in the zone 121-132 cm.

Silty lutite with forams evenly distributed, but to a lesser extent in the zone 82-99 cm.

S, concave downward.

132-152

CALC Ooze

10 YR 6/3 pale brown.

Very faint 10 YR 5/3 brown mottling.

Silty lutite with abundant forams throughout.

"Load cast-like" basal contact.

S.

152-211

CALC Ooze

10 YR 5/6 yellowish brown grading to 10 YR 6/4 light yellowish brown, to 10 YR 7/6 yellow and finally back to 10 YR 5/6 yellowish brown.

Common mottling is extensive in the zone 164-185 cm with the dominant color being 10 YR 6/3 pale brown. Two burrows, each extending half way across core, dominantly colored 10 YR 7/4 very pale brown, are themselves mottled 10 YR 6/3 pale brown.

Silty lutite with abundant forams throughout, slightly greater abundances in the mottled zones.

S, H.

0503
VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 10 Core No. 1066C

Lithologic
Log

Detailed Description

211-220

FORAM SAND

10 YR 7/4 very pale brown.

Graded bed of clean foram sand.

Clear example of graded bedding.

Very S, I - 2°.

220-256

CALC Ooze

10 YR 6/4 light yellowish brown grading to 10 YR 5/6 yellowish brown ending with a 1 cm band of 10 YR 6/4.

Slight common mottling in the zone 230-250 cm.

Slightly silty lutite with forams equally distributed throughout

Very S, H.

256-277

CALC Ooze

10 YR 4/1 dark gray grading to 10 YR 6/4 light yellowish brown.

Slightly mottled throughout with some extensive dark burrows in the zone 262-270 cm.

Silty lutite with a greater abundance of forams in the zone 266-274 cm.

G, mottled.

277-295

CALC Ooze

7.5YR 6/4 light brown.

Very faint mottling throughout with the predominant color being 10 YR 5/3 brown.

Slightly silty lutite with evenly distributed forams.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 11 Core No. 11 GGC
Total Length 153 cm. Lat. 6°01.35'N Long. 21°28.42'W Depth 3695m (corr.)
Core condition EXCELLENT Date Described 10/25/83 by P. Andrew
Physiographic location NORTHWEST FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 13 Core No. 1366C
Total Length 53 cm. Lat. 5°56.88N Long. 21°26.07W Depth 3635m (corr.)
Core condition EXCELLENT Date Described 11/25/83 by P. Andrew
Physiographic location NORTH FLANK SIERRA LEONE RISE

Lithologic

Detailed Description

Log		Detailed Description	
0	VOID	0-2	VOID
		2-12	CALC OOOZE 10 YR 5/2 grayish brown. Very faint 10 YR 6/4 light yellowish brown mottling. Very silty lutite with very abundant forams. G, mottled.
		12-53	CALC-SILIC OOOZE 10 YR 5/6 yellowish brown. A 10 YR 6/3 pale brown mottling exists in the zone 32-41 cm. Also, a series of 10 YR 5/2 grayish brown flecks appear most heavily concentrated in the zone 29-42 cm. Silty lutite with a scattered distribution of forams. However, foram concentration nears abundant in the zone 12-17 cm.
50	END OF CORE		END OF CORE.

0511

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 13 GGC

Expedition 066

Station No. 13

Leg No. 1

Total Core Length 53 cm

[illegible]

0512

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 14 Core No. 14GGC
 Total Length 272 cm. Lat. 5°36.08'N Long. 21°16.10'W Depth 3338m (corr)
 Core condition EXCELLENT Date Described 12/21/83 by Paul Andrew
 Physiographic location NORTH FLANK SIERRA LEONE RISE

Lithologic

Log

Detailed Description

0513

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 14 Core No. 14GGC

Lithologic
Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 14 GGC
Expedition 066 Station No. 14
Leg No. 1 Total Core Length 272 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 15 Core No. 1566C
Total Length 184 cm. Lat. 5°32.83'N Long. 21°13.05'W Depth 3247m (core)
Core condition EXCELLENT Date Described 12/28/83 by Paul Andrew
Physiographic location NORTH FLANK SIERRA LEONE RISE

Lithologic

Detailed Description

0516

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 15 GGC
Expedition 066 Station No. 15
Leg No. 1 Total Core Length 184 cm

[illegible]

0517

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 16 Core No. 166GC
Total Length 188 cm. Lat. 5° 27.28' N Long. 21° 08.64' W Depth 3160 m (core)
Core condition EXCELLENT Date Described 12/23/83 by Paul Andrew
Physiographic location NORTH FLANK SIERRA LEONE RISE

Lithologic

Detailed Description

0-2 VOID
2-17
CALC OOZE
10 YR 5/2 grayish brown grading to 10 YR 5/4 yellowish brown.
Slight 10 YR 3/1 very dark gray mottling scattered throughout.
Very silty lutite with very abundant forams.
G, H.

17-72
CALC OOZE
10 YR 5/6 yellowish brown.
Faint 10 YR 4/3 brown mottling noted in the zones 18 - 31 cm and 68 - 72 cm; scattered 10 YR 4/1 dark gray flecks occur elsewhere.
Slightly silty lutite with forams scattered evenly throughout.
G, H.

72-107
CALC OOZE
10 YR 5/4 yellowish brown.
Common 10 YR 5/2 grayish brown mottling throughout.
Silty lutite with abundant forams.
Two zones of extensive mottling are noted, 72 - 79 cm and 91 - 98 cm, inclined at 30°.
G, H.

107-133 CALC OOZE
10 YR 5/6 yellowish brown.
Extensive 10 YR 4/1 dark gray mottling noted in the zone 109 - 126 cm.
Slightly silty lutite with a few forams scattered throughout.
G, I - 20°.

133-146
CALC OOZE
10 YR 6/4 light yellowish brown grading to 10 YR 6/3 pale brown.
Very faint 10 YR 6/1 gray mottling scattered throughout.
Silty lutite with abundant forams.
G, I - 20°.

146-156
CALC OOZE
10 YR 6/2 light brownish gray.
Very silty lutite with very abundant forams throughout.
An oval shaped "burrow-like" mottle, colored 10 YR 4/1 dark gray, occurs at 148 cm.
S, I - 15°.

Ship EN Cruise 066 Leg 1 Sta. 16 Core No. 1666c

Lithologic Log

Detailed Description

156-179

CALC Ooze

10 YR 6/6 brownish yellow.

Faint 10 YR 6/3 pale brown mottling occurs in the zone 156 - 168 cm.

Very silty lutite with very abundant forams throughout.

10 YR 4/1 dark gray thin laminations are noted in the zone 159 - 161 cm.

S, I - 20°.

179-188

CALC OOZE

10 YR 6/3 pale brown.

Very silty lutite with very abundant forams throughout.

END OF CORE.

0519

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Shlp: EN

Core No. 16 GGC

Expedition 066

Station No. 16

Leg No. 1

Total Core Length 188 cm

[illegible]

0520

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 17 Core No. 17GGC
 Total Length 269 cm. Lat. 5°22.05'N Long. 21°05.33'W Depth 3014m (corr)
 Core condition EXCELLENT Date Described 12/27/83 by Paul Andrew
 Physiographic location NORTH FLANK SIERRA LEONE RISE

Lithologic

Log

Detailed Description

2-15

CALC Ooze
 10 YR 4/2 dark grayish brown grading to 10 YR 5/4 yellowish brown.
 Slight 10 YR 4/2 dark grayish brown mottling in the zone of gradation at 6 - 15 cm.
 Very silty lutite with very abundant forams.
 G, H.

15-77

CALC Ooze
 7.5 YR 5/4 brown grading to 10 YR 5/4 yellowish brown.
 Slight 10 YR 4/1 dark gray mottling scattered throughout but increasing to common in the zone 63 - 69 cm.
 Also, dark gray flecks are noted in the zone 23 - 43 cm.
 Silty lutite with abundant forams.
 A 0.5 cm wide burrow colored 10 YR 4/1 dark gray, I - 45°, occurs in the zone 32 - 37 cm.
 G, H.

77-90

CALC Ooze
 10 YR 5/2 grayish brown
 Common 10 YR 6/4 light yellowish brown mottling occurs in the zone 82 - 90 cm.
 Very silty lutite with very abundant forams throughout.
 G, H.

90-112

CALC Ooze
 10 YR 5/4 yellowish brown grading to 7.5 YR 5/4 brown.
 Common 10 YR 4/1 dark gray mottling in the zone 90 - 100 cm.
 Slightly silty lutite with a sparse foram distribution.
 An oval shaped burrow colored 10 YR 4/1 dark gray is located at 110 - 111 cm.
 G, H.

112-188

CALC Ooze
 10 YR 5/4 yellowish brown grades to 10 YR 6/6 brownish yellow, back to 10 YR 5/4 back to 10 YR 6/6 and back again to 10 YR 5/4
 Slight inter-mixing/mottling of these two dominant colors occurs throughout.
 Very silty lutite with very abundant forams in the zone 112 - 159 cm. However, concentrations decrease slightly in the zone 159 - 188 cm.
 A compaction VOID occurs in the zone 133 - 136 cm.
 S, I - 10°.

0521

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 17 Core No. 17GGC

Lithologic
Log

Detailed Description

188-196

CALC Ooze
 10 YR 7/6 reddish yellow.
 Many 10 YR 6/3 pale brown flecks are noted along with several 10 YR 6/4 light yellowish brown foram rich ovals (burrows?)
 Silty lutite with many forams.
 G, I - 10°.

196-265

CALC Ooze
 10 YR 5/6 yellowish brown grades to 10 YR 4/3 brown back to 10 YR 5/6
 Common 10 YR 4/2 dark grayish brown mottling noted in the zones 220 - 246 cm and 255 - 265 cm.
 Silty lutite with many forams throughout.
 Extensive bioturbation occurs in the zone 200 - 208 cm, colored 10 YR 7/4 very pale brown. This zone is cross-cut by a 10 YR 6/2 light brownish gray foram-rich burrow of younger age.
 S, H.

265-269

CALC Ooze
 10 YR 4/1 dark gray.
 Silty lutite with many forams.
 END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 17 GGC
Expedition 066 Station No. 17
Leg No. 1 Total Core Length 269 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship EN Cruise 066 Leg 1 Sta. 20 Core No. 20 GBC
Total Length 80 cm. Lat. 5° 05' 05" N Long. 20° 52' 26" W Depth 2756 m (corr.)
Core condition EXCELLENT Date Described 10/26/83 by P. Andrew
Physiographic location SIERRA LEONE RISE, CREST

Lithologic Log

Detailed Description

0524

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 20 GGC
Expedition 066 Station No. 20
Leg No. 1 Total Core Length 80 cm

[illegible]

0525

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 21 Core No. 2166C
Total Length 265 cm. Lat. 4°14.00'N Long. 20°37.58'W Depth 3772m (core)
Core condition EXCELLENT Date Described 12/27/83 by Paul Andrew
Physiographic location SOUTH FLANK SIERRA LEONE RISE

Lithologic

Detailed Description

0528

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 23 Core No. 2366C
 Total Length 253 cm. Lat. 4° 10.85' N Long. 20° 32.15' W Depth 4122 m (corr.)
 Core condition EXCELLENT Date Described 12/2/83 by Paul Andrew
 Physiographic location SOUTH FLANK - SIERRA LEONE RISE

Lithologic Log

Detailed Description

0529

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 23 Core No. 2366C

Lithologic Log

Detailed Description

✓

0581
VISUAL CORE DESCRIPTION

Page 1 of 1

Core No. 23 GGC

Station No. 23

Total Core Length 253 cm

[illegible]

Ship EN Cruise 066 Leg 1 Sta. 24 Core No. 2466C
Total Length 290 cm. Lat. 3° 50.85' N Long. 20° 22.05' W Depth 4518 m (corr.)
Core condition EXCELLENT Date Described 1/3/84 by Paul Andrew
Physiographic location SOUTH FLANK- SIERRA LEONE RISE

Lithologic

Detailed Description

2-5

CALC Ooze

10 YR 5/2 grayish brown.

Very faint 10 YR 5/3 brown mottling scattered throughout.
Very silty lutite with very abundant forams.
S. H.

5-51

CALC Ooze

10 YR 6/3 pale brown grades to 10 YR 6/6 brownish
yellow back to 10 YR 6/3

Common 10 YR 4/4 dark yellowish brown mottling in the zone 14 - 24 cm. Also, 10 YR 5/1 gray mottling exists in zone 8 - 17 cm with a scattered distribution. Very silty lutite with abundant forams, grading to silty lutite with a common foram concentration. An irregular shaped band of clean foram sand is noted in the zone 37 - 38 cm.

51-92

CALC OOZE

10 YR 6/4 light yellowish brown.

Extensive mottling in the zone 68 - 75 cm. Common
mottling is noted elsewhere with the dominant color
of both zones being 10 YR 3/1 very dark gray.
Silty lutite with abundant forams.
G. H.

92-117

SILIC OOZE WITH DETRITUS

10 YR 5/6 yellowish brown.

Common 10 YR 3/1 very dark gray mottling flanks an extensively mottled zone occurring within 107 - 114 cm. Slightly silty lutite with a very few forams. A few of the mottles contain common foram concentration. G. H.

117-137

CALC Ooze

10 YR 6/4 light yellowish brown.

Scattered 10 YR 5/2 grayish brown mottling noted in the zone 117 - 132 cm.

Silty lutite with abundant forams.
S, mottled.

137-197

CALC Ooze

10 YR 6/6 brownish yellow grades to 7.5 YR 6/6 reddish yellow grades to 10 YR 6/4 light yellowish brown.

Slight 10 YR 6/2 light brownish gray mottling scattered throughout. Also, an anomalous band of 2.5 Y 4/2 dark grayish brown sediment occurs in the zone 181 - 183 cm.

Very silty lutite with very abundant forams throughout.
G. mottled.

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 24 Core No: 24 GGC

Lithologic
Log

Detailed Description

197-237

CALC Ooze

7.5 YR 6/6 reddish yellow grades to 10 YR 4/3 brown.
Common 2.5 Y 4/2 dark grayish brown mottling in the
zone 197 - 212 cm.

Slightly silty lutite with a few forams.

Two 10 YR 4/1 dark gray foram rich burrows are noted in the zone 217 - 218 cm.

S. H.

237-261

CALC 00ZE

10 YR 5/6 yellowish brown.

Extensively mottled throughout with the dominant color being 10 YR 3/1 very dark gray.

Slightly silty lutite with a few forams.

G. H.

261-274

CALC Ooze

10 YR 4/2 dark grayish brown grading to 10 YR 3/1 very dark gray.

Very faint 10 YR 3/3 dark brown mottling throughout.
Silty lutite with a few forams.

S, mottled.

290

274-290

CALC OOZE

10 YR 6/3 pale brown.

Extensive 10 YR 4/1 dark gray mottling in the zone
274 - 285 cm.

Very silty lutite with abundant forams.

A large, half-oval shaped, VOID is noted in the zone 285 - 290 cm.

END OF CORE.

0583

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 24 GGC

Expedition 066

Station No. 24

Leg No. 1

Total Core Length 290 cm

[illegible]

0584

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 25 Core No. 2566C
 Total Length 278 cm. Lat. 3° 32.45' N Long. 20° 13.52' W Depth 4630 m (corr)
 Core condition EXCELLENT Date Described 1/4/84 by Paul Andrew
 Physiographic location SOUTH FLANK- SIERRA LEONE RISE

Lithologic

Detailed Description

0535

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 25 Core No. 2566C

Lithologic
Log

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 26 Core No. 26 GGC

Lithologic Log

Detailed Description

217-253

CALC OOZE GRADING TO SILIC-CALC OOZE

7.5 YR 6/6 reddish yellow grading to 7.5 YR 5/2 brown.
Extensive 10 YR 5/3 brown mottling in the zone 217 -
230 cm with scattered 10 YR 7/4 very pale brown
mottling elsewhere.

Slightly silty lutite with a few forams.

Three, 10 YR 6/1 gray, foram rich burrows are noted in the zone 236 - 234 cm. These burrows occur just below the extensively mottled zone which terminates abruptly and is horizontal.

G. H.

253-285

CALC OQZE

10 YR 6/6 brownish yellow.

Very extensive 10 YR 2.5/1 black mottling in the zone 253 - 270 cm, extensively mottled elsewhere with the dominant color being 10 YR 4/1 dark gray.

Slightly silty lutite with very few forams.

G. H.

285-292

CALC OOZE

10 YR 5/1 gray.

Slightly silty lutite with a few forams.

A VOID is noted at the base of the unit occurring in the zone 288 - 292 cm.

END OF CORE.

0539

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 26 GGC

Expedition 066Station No. 26

Leg No. 1

Total Core Length 292 cm

0540

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 27 Core No. 27GGC
 Total Length 277 cm. Lat. 2°54.03'N Long. 19°56.21'W Depth 4840 m (corr)
 Core condition EXCELLENT Date Described 1/13/84 by Paul Andrew
 Physiographic location SOUTH FLANK, SIERRA LEONE RISE
 Lithologic Log

Detailed Description

0541

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 27 Core No. 27GGC

Lithologic Log

Detailed Description

- 183-215
 CALC-SILIC OOOZE
 7.5 YR 6/6 reddish yellow grading to 10 YR 6/3 pale brown.
 Extensive 10 YR 5/3 brown mottling is noted in the zone 183 - 194 cm, terminating in an abrupt and horizontal fashion.
 Slightly silty lutite with a few forams scattered throughout.
 Four, small, 10 YR 5/1 gray foram rich burrows are noted in the zone 205 - 213 cm.
 G, mottled.
- 215-235
 CALC-SILIC OOOZE
 10 YR 5/6 yellowish brown
 Extensive 10 YR 2.5/1 black mottling occurs in the zone 215 - 225 cm with common mottling elsewhere.
 Lutite with very few forams
 An irregular, vertical, foram rich burrow is noted in the zone 215 - 221 cm.
 G, I - 5°.
- 235-247
 CALC-SILIC OOOZE
 10 YR 4/1 dark gray
 Faint, but extensive, 10 YR 4/2 dark grayish brown mottling noted throughout.
 Slightly silty lutite with a few forams.
 Very S, I - 10°.
- 247-262
 CALC-SILIC OOOZE
 10 YR 7/3 very pale brown.
 Extensive 10 YR 7/3 very dark gray mottling in the zone 247 - 257 cm.
 Silty lutite with a common foram distribution.
 S, very mottled.
- 262-274
 CALC OOOZE
 10 YR 6/6 brownish yellow.
 Common 10 YR 7/3 very pale brown mottling in the zone 262 - 267 cm.
 Slightly silty lutite with a few forams.
 G, H.
- 274-279
 CALC OOOZE
 10 YR 5/1 gray.
 Slight 10 YR 6/2 light brownish gray mottling throughout.
 Slightly silty lutite with a few forams.
 A 10 YR 6/1 gray burrow spans the liner in the zone 274 - 275 cm.
 END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 28 Core No. 2866C
Total Length 283 cm. Lat. 2°32.06'N Long. 17°48.58'W Depth 4992
Core condition EXCELLENT Date Described 1/4/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

2-16
CALC Ooze
10 YR 6/3 pale brown.
Faint, hazy 10 YR 5/2 grayish brown mottling in the zone 2 - 8 cm.
Very silty lutite with very abundant forams throughout.
G, H.

16-34
CALC Ooze
10 YR 5/4 yellowish brown grading to 10 YR 6/4 light yellowish brown
Common 10 YR 4/3 brown mottling in the zone 20 - 29 cm.
Silty lutite with common forams grading to slightly silty lutite with scattered forams.
S, irregular.

34-70
CALC Ooze
10 YR 7/3 very pale brown.
Common 7.5 YR 6/6 reddish yellow mottling in the zone 34 - 53 cm, 10 YR 6/4 light yellowish brown mottling noted within 64 - 70 cm.
Slightly silty lutite with a few forams scattered throughout.
A 10 YR 7/4 very pale brown ovoid (2 cm diameter) is noted in the zone 63 - 65 cm.
Very S, H.

70-95
SILIC-CALC Ooze
Three dominant colors exist - those being 10 YR 6/3, 6/4 and 7/3, pale brown, light yellowish brown and very pale brown, respectively.
Common inter-mixing/mottling of the dominant colors occur throughout.
Slightly silty lutite with foram concentrations grading from few to common.
G, mottled.

95-148
CALC Ooze
10 YR 7/4 very pale brown grading to 10 YR 5/4 yellowish brown grading to 10 YR 7/4 very pale brown.
Common inter-mixing/mottling, of the dominant colors described, occurs in the gradational zones. Also, scattered 10 YR 6/3 and 7/4 pale brown and very pale brown mottling is noted throughout.
Very silty lutite with very abundant forams. However, a slight decrease in foram abundance is noted in the zone 120 - 127 cm.
Two, anomalous, 2.5 Y 4/2 dark grayish brown mottled zones are noted to occur within 95 - 99 cm and 124 - 129 cm.
S, mottled.

Ship EN Cruise 066 Leg 1 Sta. 28 Core No. 28 G6C

Lithologic
Log

Detailed Description

148-184

CALC-SILIC OOZE

7.5 YR 6/6 reddish yellow grades to 10 YR 6/4 light yellowish brown grades to 10 YR 6/3 pale brown terminated by 10 YR 2.5/1 black.

Slight inter-mixing/mottling of the dominant colors occurs in the gradational zone. However, extensive 10 YR 5/4 yellowish brown mottling exists in the zone 148 - 158 cm.

Slightly silty lutite with a few forams scattered throughout.

A few foram rich mottles are scattered throughout the zone 148 - 178 cm.

S, irregular.

184-208

CALC OOZE

10 YR 6/4 light yellowish brown grading to 10 YR 3/1
very dark gray.

Common inter-mixing/mottling occurs in the zone 184-189cm
Silty lutite with scattered forams.

A disjointed, 10 YR 2.5/1 black, mottled lineation exists in the zone 184 - 187 cm.

S, very mottled.

208-246

CALC OOZE

10 YR 7/4 very pale brown.

Common mottling throughout with 10 YR 4/1 gray being the dominant color.

Very silty lutite with very abundant forams.

A distinct, 10 YR 5/3 brown zone of similar composition, texture and mottling exists within 226 - 236 cm.

However, it is connected with the lower unit by a vertical burrow and is also mottled by 10 YR 6/6 brownish yellow ovoids.

S. mottled.

246-277

CALC OOZE

Two dominant colors exist, those being 10 YR 6/6 brownish yellow and 10 YR 5/6 yellowish brown.

Besides the common inter-mixing/mottling of the dominant colors, an overprinting of 10 YR 5/1 gray and 10 YR 5/2 grayish brown occurs throughout; giving the unit an overall extensively mottled appearance.

Slightly silty lutite with very few forams.

S, mottled.

277-283

CALC 00ZE

10 YR 7/4 very pale brown.

Slightly silty lutite with very few forams.

Desiccation VOIDS are noted throughout this basal unit.
END OF CORE.

0545

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 28 GGC

Expedition 066

Station No. 28

Leg No. 1

Total Core Length 283 cm

[illegible]

0546
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 29 Core No. 2966C
Total Length 208 cm. Lat. 2°27'43"N Long. 19°45'20"W Depth 5105m (corr)
Core condition EXCELLENT Date Described 1/17/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE

0547
VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 29 Core No. 2966C

Lithologic Log

Detailed Description

0548

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 29 GGC
Expedition 066 Station No. 29
Leg No. 1 Total Core Length 208 cm

[illegible]

0549
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 30 Core No. 30 GGC
Total Length 120 cm. Lat. 2° 21.58'N Long. 19° 42.94'W Depth 5228 m. (corr)
Core condition EXCELLENT Date Described 1/20/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE
Lithologic

150-

Detailed Description

- 4-11
CALC OOOZE
10 YR 6/4 light yellowish brown.
Very slight 10 YR 5/2 grayish brown mottling noted
in the zone 4 - 7 cm.
Very silty lutite with very abundant forams throughout.
G, H.
- 11-24
CALC-SILIC OOOZE WITH MICRONODULES
10 YR 5/4 yellowish brown.
Common 10 YR 3/2 very dark grayish brown mottling
in the zone 16 - 24 cm.
Silty lutite with scattered forams grading to slightly
silty lutite with a few forams.
G, H.
- 24-37
HIGHLY CALC-SILIC CLAY
10 YR 6/3 pale brown.
Slight 10 YR 5/6 yellowish brown lineated mottling
throughout.
Slightly silty lutite with very few forams.
G, H.
- 37-70
CALC-SILIC CLAY GRADES TO CALC-SILIC OOOZE
10 YR 4/1 dark gray grades to 10 YR 5/1 gray.
Very slight 10 YR 6/2 light brownish gray mottling
in the zone 50 - 68 cm.
Slightly silty lutite with foram concentrations grading
from few to scattered.
A core spanning, 10 YR 4/1 dark gray lamination, I -
10°, occurs in the zone 68 - 70 cm.
- 70-76
HIGHLY CALC CLAY
10 YR 6/3 pale brown.
Slight inter-mixing/mottling occurs between this unit
and the surrounding beds.
Slightly silty lutite with a few forams throughout.
A semi-lithified lump of lutite spans the liner in
the zone 72 - 74 cm.
G, mottled.
- 76-90
SLIGHTLY CALC CLAY
10 YR 4/1 dark gray.
Large foram rich burrows are scattered throughout
the zone 76 - 85 cm.
Lutite.
S, irregular.

Ship EN Cruise 066 Leg 1 Sta. 30 Core No. 30 666

Lithologic Log

Detailed Description

90-120

CALC SILIC OOZE

10 YR 5/1 gray.

Scattered 10 YR 4/1 dark gray mottling throughout.
Silty lutite with foram concentration grading from
scattered to common.

The units appearance lightens with the occurrence of 10 YR 6/3 pale brown mottling in the zone 113 - 120 cm.

END OF CORE.

END OF CORE:

0551

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 30 GGC

Expedition 066

Station No. 30

Leg No. 1

Total Core Length 120 cm

[illegible]

0552

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 31 Core No. 3166C
Total Length 104 cm. Lat. 2°12.78'N Long. 19°40.97'W Depth 5321 m (corr)
Core condition EXCELLENT Date Described 1/19/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE
Lithologic

Detailed Description

2-22
CALC OOZE
10 YR 6/4 light yellowish brown
Slight 10 YR 5/2 grayish brown mottling in the zone
2 - 10 cm.
Very silty lutite with very abundant forams.
G, R.

22-36
CALC OOZE
10 YR 5/4 yellowish brown.
Common 10 YR 3/3 dark brown mottling in the zone
25 - 34 cm.
Slightly silty lutite with a few forams.
S, mottled.

36-46
CALC-SILIC OOZE WITH MICRONODULES
10 YR 3/3 dark brown.
Common burrowing throughout with the dominant color
being 10 YR 5/4 yellowish brown, one burrow spans
the liner
Lutite.
Two burrows are colored 10 YR 6/2 light brownish gray
and contain high foram concentrations.
S, mottled.

46-50
CALC OOZE
10 YR 6/3 pale brown.
Lutite
A disjointed semi-lithified layer, colored 2.5 Y 5/4
light olive brown, is noted in the zone 46 - 48 cm.
S, mottled.

50-53
CALC OOZE
10 YR 5/1 gray.
Very slight 10 YR 6/2 light brownish gray mottling.
Lutite.
S, mottled.

53-104
HIGHLY CALC CLAY TO CALC-SILIC OOZE
10 YR 6/2 light brownish gray changes sharply to 10 YR
4/1 dark gray.
Some slight inter-mixing/mottling of the two dominant
colors described occurs near the contacts.
Lutite.
This is a cyclicly bedded unit with the 2nd cycle be-
ginning at 75 cm. All contacts are sharp, although
somewhat irregular. Also, a thin semi-lithified
lamination spans the liner in the zone 86 - 87 cm.
END OF CORE.

0553

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 31 GGC
Expedition 066 Station No. 31
Leg No. 1 Total Core Length 104 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 32 Core No. 32GGC
Total Length 144 cm. Lat. 2° 28.38' N Long. 19° 44.09' W Depth 4998 m (corr)
Core condition EXCELLENT Date Described 1/31/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

Detailed Description

Log

0

2-16

CALC OOOZE

10 YR 6/4 light yellowish brown.

Faint, hazy 10 YR 4/1 dark gray mottling noted in the zone 2 - 7 cm.

Very silty lutite with very abundant forams.

G, H.

16-36

CALC OOOZE

10 YR 4/3 brown.

Extensive 10 YR 3/3 dark brown mottling in the zone 26 - 36 cm.

Silty lutite with a common foram distribution. However, the mottled zone is characterized by a sharp decrease in foram abundance.

G, H.

36-52

HIGHLY CALC-SILIC CLAY

10 YR 6/3 pale brown.

Slight, lineated mottling distributed unevenly throughout with a dominant color of 10 YR 5/6 yellowish brown.

Lutite with very sparse forams.

A semi-lithified layer of lutite is noted in the zone 43 - 44cm.

G, H.

52-78

CALC-SILIC OOOZE

10 YR 4/1 dark gray.

Scattered 10 YR 6/2 light brownish gray mottling concentrated in the zone 59 - 78 cm.

Lutite with a few forams in the mottled zone.

A few semi-lithified lumps noted in the zone 62 - 66 cm.

S, irregular.

78-121

CALC OOOZE

10 YR 6/3 pale brown.

Common 10 YR 5/1 gray mottling in the zones 78 - 89 cm and 104 - 116 cm. Extensive mottling of the same color noted in the zones 89 - 104 and 116 - 121 cm.

Silty lutite with common forams.

Very S, irregular.

121-144

CALC-SILIC OOOZE

10 YR 7/4 very pale brown grading to 10 YR 5/4 very pale brown grading to 10 YR 5/4 yellowish brown.

Faint 10 YR 6/2 light brownish gray mottling scattered throughout.

Slightly silty lutite with scattered forams.

A VOID occurs in the zone 139 - 144 cm.

END OF CORE.

100

200

END OF CORE

0555

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 32 GGC
Expedition 066 Station No. 32
Leg No. 1 Total Core Length 144 cm

[illegible]

0556

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 33 Core No. 3366C
 Total Length 284 cm. Lat. 2°38.66'N Long. 17°45.12'W Depth 4848m (corr)
 Core condition EXCELLENT Date Described 1/24/84 by Paul Andrew
 Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

2-15

CALC Ooze
 10 YR 6/4 light yellowish brown.
 Faint, hazy 10 YR 6/2 light brownish gray mottling
 in the zone 2 - 6 cm.
 Very silty lutite with very abundant forams.
 S, mottled.

15-25

CALC-SILIC Ooze
 10 YR 6/6 brownish yellow.
 Common 10 YR 5/4 yellowish brown mottling throughout.
 Silty lutite with scattered forams.
 Three, small, lineated, 10 YR 4/1 dark gray flecks
 occur in the zone 17 - 21 cm, I - 45°.
 S, H.

25-55

CALC Ooze
 10 YR 7/3 very pale brown.
 Faint, hazy 10 YR 6/4 light yellowish brown mottling
 throughout. However, scattered 10 YR 5/6 yellowish
 brown mottling is noted in the zones 25 - 31 cm and
 46 - 55 cm.
 Silty lutite with a common foram distribution grades
 to very silty lutite with abundant foram.
 The yellowish brown mottles with the scattered distri-
 bution contain a very low concentration of forams.
 S, irregular.

55-99

CALC Ooze
 10 YR 7/4 very pale brown.
 Common mottling noted in the zone 72 - 87 cm with 10 YR
 6/4 light yellowish brown and 7.5 YR 7/4 pink being
 the dominant colors.
 Very silty lutite with very abundant forams
 A 10 YR 8/2 white layer spans the liner in the zone
 87 - 90 cm.
 S, irregular.

99-124

CALC Ooze
 Three dominant colors occur, and in succession are
 10 YR 6/6, 6/4 and 6/3, brownish yellow, light yellow-
 ish brown and pale brown, respectively.
 These colors are distinctly separated, but are commonly
 inter-mixed/mottled throughout.
 Slightly silty lutite with scattered forams distributed
 in a bunched fashion.
 S, I - 20°.

0557

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 33 Core No. 3366C

Lithologic
Log

Detailed Description

124-131

CALC Ooze
 10 YR 7/4 pale brown.
 Slight 7.5 YR 7/6 reddish yellow mottling throughout.
 Very silty lutite with very abundant forams.
 S, mottled.

131-141

CALC Ooze
 10 YR 7/3 very pale brown.
 Commonly mottled with 7.5 YR 7/4 pink and 10 YR 6/6
 brownish yellow being dominant.
 Slightly silty lutite with a few forams.
 Inferred, occurs at junction of Sec. #1 and Sec. #2 of
 each core liner (~141 cm).

141-209

CALC Ooze
 10 YR 7/4 very pale brown to 7.5 YR 8/2 white, back to
 10 YR 7/4.
 Commonly mottled 10 YR 6/6 brownish yellow in the zone
 157-166 cm and 7.5 YR 7/4 pink in the zones 177-185 cm
 and 197-209 cm.
 Very silty lutite with very abundant forams.
 S, irregular.

209-228

CALC Ooze
 10 YR 7/4 very pale brown grades to 10 YR 6/4 light
 yellowish brown.
 Scattered 10 YR 5/6 yellowish brown mottling in the zone
 215-228 cm.
 Slightly silty lutite with scattered forams.
 S, mottled.

228-236

CALC Ooze
 10 YR 7/6 yellow.
 Slight inter-mixing/mottling occurs between this unit
 and the surrounding units.
 Very silty lutite with abundant forams.
 S, mottled.

236-248

CALC-SILIC Ooze
 7.5 YR 6/6 reddish yellow.
 Common 7.5 YR 6/6 reddish yellow mottling throughout.
 Lutite with very few forams.
 A 2 cm wide, circular desiccation VOID is noted in the
 zone 246-248 cm.
 S, very mottled.

248-284

CALC Ooze
 10 YR 8/3 very pale brown.
 10 YR 7/3 very pale brown mottling grades from slight to
 common in the zone 270-280 cm.
 Very silty lutite with abundant forams.
 END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 33 GGC
Expedition 066 Station No. 33
Leg No. 1 Total Core Length 284 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 34 Core No. 3466C
Total Length 294 cm. Lat. 2°57.22'N Long. 17°50.06'W Depth 4702.22 (corr)
Core condition EXCELLENT Date Described 3/27/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

300

2-15
CALC OOOZE
10 YR 6/3 pale brown.
Slight 10 YR 4/1 dark gray mottling in the zone 2-7 cm.
Very silty lutite with very abundant forams.
G, H.

15-39
CALC-SILIC OOOZE
10 YR 5/4 yellowish brown grading to 10 YR 6/4 light yellowish brown.
Common 10 YR 3/3 dark brown mottling concentrated in zone 22 - 31 cm with a scattered distribution in the zone of 31 - 39 cm.
Silty lutite with a common distribution of forams grading to slightly silty lutite with scattered forams.
G, H.

39-82
CALC-SILIC OOOZE
10 YR 6/3 pale brown.
Scattered mottling in the area of 48 - 64 cm with the dominant color being 10 YR 4/3 brown. Also noted is a faint 10 YR 5/2 grayish brown mottled zone within 69 - 82 cm.
Silty lutite with a common abundance of forams throughout.
S, mottled.

82-96
SILIC OOOZE
10 YR 5/6 yellowish brown.
Scattered mottling throughout with a dominant color of 10 YR 4/2 dark grayish brown.
Clean lutite.
Two foram rich burrows occur in the zone 84 - 89 cm with one burrow spanning the liner.
S, mottled.

96-115
CALC-SILIC OOOZE
10 YR 6/3 pale brown grades 10 YR 6/4 light yellowish brown.
Scattered mottling throughout with the dominant color being 10 YR 4/2 dark grayish brown.
Silty lutite with abundant forams.
S, mottled.

115-178
CALC OOOZE
10 YR 7/6 yellow grades to 10 YR 6/6 brownish yellow.
Common 2.5 Y 4/4 olive brown mottling in the zone 153 - 165 cm.
Very silty lutite with very abundant forams. Foram content decreases to common in the zone 139 - 152 cm.
S, mottled.

0564

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 36 Core No. 3666C
 Total Length 287 cm. Lat. 4°18.38'N Long. 20°12.71'W Depth 4095m (corr)
 Core condition EXCELLENT Date Described 1/30/84 by Paul Andrew
 Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0565

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 36 Core No. 3666C

Lithologic
Log

Detailed Description

146-230
CALC OOOZE
10 YR 5/3 brown changing to 10 YR 6/4 light yellowish brown grading to 7.5 YR 6/6 reddish yellow.
Faint 7.5 YR 5/2 brown mottling in the zone 146 - 156 cm. Common 10 YR 6/3 pale brown mottling noted in the zones 190 - 204 cm and 212 - 230 cm. Also, common inter-mixing of the matrix colors occurs in the gradational zones.
Very silty lutite with very abundant forams throughout.
S, irregular.

230-252
CALC-SILIC OOOZE
10 YR 5/8 yellowish brown.
Slight 10YR 6/4 light yellowish brown mottling throughout.
Silty lutite with a common foram distribution grading to slightly silty lutite with a few forams.
S, irregular.

252-267
CALC-SILIC OOOZE
10 YR 6/4 light yellowish brown.
Very faint 10 YR 6/2 light brownish gray mottling in the zone 261 - 267 cm.
Silty lutite with scattered forams.
S, H.

267-287
CALC OOOZE
10 YR 4/1 dark gray.
Common, hazy 10 YR 5/2 grayish brown mottling in the zone 271 - 287 cm.
Slightly silty lutite with a few forams.
END OF CORE.

Note: Section #1 (142-287 cm) was described from the "working" section.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 36 GGC
Expedition 066 Station No. 36
Leg No. 1 Total Core Length 287 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship EN Cruise 066 Leg 1 Sta. 37 Core No. 37 PC
Total Length 1027 cm. Lat. 9° 48.80' N Long. 20° 24.97' W Depth 3009 m. (corr)
Core condition EXCELLENT Date Described 2/2/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0-120
CORE TOP LOST DURING STORAGE.

120-154
CALC Ooze
7.5 YR 5/6 strong brown.
Slight, hazy 10 YR 5/2 grayish brown mottling in the
zone 136 - 154 cm.
Silty lutite with a common foram distribution.
G, H.

154-180
CALC Ooze
10 YR 5/6 yellowish brown.
Faint, hazy 10 YR 5/2 grayish brown mottling in the
zone 154 - 169 cm.
Slightly silty lutite with foram concentrations grading
from scattered to few.
A 10 YR 3/1 very dark gray extensively mottled band
is flanked by pockets of clean foram sand in the
zone 162 - 165 cm. Also noted is a 1 cm wide, semi-
lithified layer of lutite occurring at 171 cm.
G, H.

180-195
CALC Ooze
10 YR 5/4 yellowish brown grades to 10 YR 4/1 dark
gray.
Scattered inter-mixing/mottling of the unit colors
occurs mostly in the zone 180 - 188 cm.
Silty lutite with common foram concentrations.
Three disjointed, semi-lithified layers are noted
spread throughout the unit.
S, H.

195-293
CALC Ooze
10 YR 5/1 gray grades to 10 YR 6/4 light yellowish
brown.
Common 10 YR 4/1 dark gray mottling noted in the zones
218 - 252 cm and 270 - 293 cm.
Silty lutite with common foram concentrations. How-
ever, all the gray zones contain very abundant
forams.
S, mottled.

293-310
CALC Ooze
10 YR 5/6 yellowish brown grading to 10 YR 6/3 pale
brown.
Very slight 10 YR 5/3 brown mottling in the zone
301 - 306 cm.
Slightly silty lutite with scattered forams.
S, H.

0568

VISUAL CORE DESCRIPTION

Page 2 of 3Ship EN Cruise 066 Leg 1 Sta. 37 Core No. 37 PC

Lithologic Log

Detailed Description

310-362

CALC Ooze

10 YR 6/2 light brownish gray grades to 10 YR 6/4 light yellowish brown back to 10 YR 6/2.

Common inter-mixing/mottling occurs between the two dominant colors described. However, extensive mottling occurs in the zones 310 - 326 cm and 354 - 363 cm with the dominant color being 10 YR 4/1 dark gray.

Very silty lutite with very abundant forams. Much of the mottling occurs in banded configuration. G, mottled.

362-400

CALC Ooze

10 YR 6/2 light brownish gray grades to 10 YR 6/4 light yellowish brown.

Very slight, hazy 10 YR 5/2 grayish brown mottling throughout.

Slightly silty lutite with scattered forams. Greater abundances are noted in the first 10 cm of the unit. G, H.

400-471

CALC Ooze

10 YR 6/2 light brownish gray grades to 10 YR 7/4 very pale brown grades to 10 YR 7/2 light gray.

Scattered mottling throughout with a dominant color of 10 YR 5/1 gray.

Very silty lutite with very abundant forams. A foram-free mottle is noted in the zone 450 - 452 cm. G, H.

471-494

CALC Ooze

10 YR 8/3 very pale brown grades to 10 YR 5/4 yellowish brown.

Very slight 10 YR 5/1 gray mottling in the zone 471 - 485 cm.

Slightly silty lutite with a few forams. G, H.

494-567

CALC Ooze

10 YR 7/3 very pale brown grades to 10 YR 6/4 light yellowish brown.

Common, laminated, convex upward mottling in the zone 496 - 546 cm, dominantly colored 10 YR 4/1 dark gray.

Silty lutite with a common foram distribution. G, H.

0569

VISUAL CORE DESCRIPTION

Page 3 of 3Ship EN Cruise 066 Leg 1 Sta. 37 Core No. 37 PC

Lithologic Log

Detailed Description

567-719

CALC Ooze

Two dominant colors are observed, being 10 YR 5/6 yellowish brown and 10 YR 7/6 yellow.

Texturally mottled/disturbed(?) sediment. The textural mottling is noted throughout most of core section #3.

Intermixed and disturbed(?) layers of foram sand and very silty lutite with very abundant forams.

The core may be disturbed throughout this unit.

Very S, Irregular.

719-847

CALC Ooze

Thinly intercalated layers of, dominantly, 10 YR 5/6 yellowish brown, 10 YR 7/3 very pale brown and 10 YR 6/3 pale brown.

No mottling, just fairly well defined bedding with some intermixing throughout.

Very silty lutite with very abundant forams, to some layers of foram sand.

Graded bedding. Also, some of the yellowish brown layers contain few to no forams.

S, convex upward.

847-875

CALC Ooze

10 YR 8/2 white grading to 10 YR 8/3 very pale brown back to 10 YR 8/2.

A unique 5 Y 7/3 pale yellow ovoid encircled by 10 YR 5/6 yellowish brown sediment is noted within 850 - 852 cm.

Foram sand.

Very S, I - 10°.

875-1014

CALC Ooze

7.5 YR 7/4 pink is the matrix color, intercalated with 10 YR 5/6 yellowish brown.

A wavy to laminated 10 YR 8/2 white discoloration is noted to either side of the intercalated zone, however, is most concentrated in the lower portion of the unit.

Very silty lutite with very abundant forams to foram sand.

The intercalated zone has bedding inclined to as much as 45°.

Very S, I - 20°.

1014-1027

CALC Ooze

10 YR 8/2 white.

A faint 10 YR 8/3 very pale brown mottling throughout. Silty lutite with abundant forams.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 37 PC
Expedition 066 Station No. 37
Leg No. 1 Total Core Length 1027 cm

[illegible]

Ship EN Cruise 066 Leg 1 Sta. 37 Core No. 37 PG
Total Length 136 cm. Lat. 4° 48.80' N Long. 20° 24.81' W Depth 3009 m (corr)
Core condition EXCELLENT Date Described 2/1/84 by Paul Andrew
Physiographic location SOUTH FLANK, SIERRA LEONE RISE
Lithologic

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 37 PG
Expedition 066 Station No. 37
Leg No. 1 Total Core Length 136 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 38 Core No. 38GGC
Total Length 244 cm. Lat. 4°55.19'N Long. 20°22.22'W Depth 2937 m (corr.)
Core condition EXCELLENT Date Described 2/7/84 by Paul Andrew
Physiographic location JUST S.E. OF CREST, SIERRA LEONE RISE

Lithologic

Detailed Description

2-16
CALC Ooze
10 YR 5/3 brown.
Slight, hazy 10 YR 5/2 grayish brown mottling in the zone 2 - 11 cm.
Very silty lutite with very abundant forams.
G, H.

16-39
CALC Ooze.
7.5 YR 5/4 brown.
Very faint 7.5 YR 4/4 dark brown mottling in the zone 18 - 24 cm with 10 YR 5/1 gray flecks noted throughout.
Silty lutite with a common distribution of forams.
G, H.

39-91
CALC Ooze
10 YR 5/4 yellowish brown.
Scattered 10 YR 5/2 grayish brown mottling throughout with increases to common, in the zones 61 - 69 cm and 76 - 83 cm.
Silty lutite with abundant forams.
The commonly mottled zones contain slightly increased foram concentrations.
G, H.

91-113
CALC Ooze
10 YR 5/6 yellowish brown.
Slight 10 YR 5/1 gray mottling in the zone 91 - 98 cm.
Slightly silty lutite with scattered forams.
An irregular, disjointed lamination spans the liner in the zone 109 - 112 cm, colored 10 YR 5/3 brown.
S, mottled.

113-182
CALC Ooze
10 YR 6/3 pale brown grades to 10 YR 6/4 light yellowish brown grades to 10 YR 5/3 brown back to 10 YR 6/4 back to 10 YR 6/3.
Common inter-mixing/mottling of the colors described occurs in the gradational zones
Very silty lutite with very abundant forams.
S, irregular.

182-193
CALC-SILIC Ooze
7.5 YR 6/6 reddish yellow.
Large, 10 YR 6/3 pale brown foram rich mottles occur with a scattered distribution (burrowing?).
Silty lutite with common forams.
10 YR 5/1 gray flecks noted in the zone 187 - 193 cm.
S, irregular.

Ship EN Cruise 066 Leg 7 Sta. 38 Core No. 38 G6C

Lithologic
Log

Detailed Description

193-217

CALC OOZE

10 YR 5/8 yellowish brown grades to 10 YR 5/6 yellowish brown.

Common 10 YR 7/4 very pale brown mottling, which is
itself mottled by, 10 YR 5/1 gray flecks noted within
194 - 203 cm.

Slightly silty lutite with foram concentrations grading from few to scattered.

Very G. H.

217-244

CALC Ooze

10 YR 5/4 yellowish brown grades to 10 YR 5/6 yellowish brown.

Scattered but hazy 10 YR 5/2 grayish brown mottling
noted throughout.

Slightly silty lutite with scattered forams.
END OF CORE.

END OF CORE.

0575

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 38 GGC

Expedition 066

Station No. 38

Leg No. 1

Total Core Length 244 cm

[illegible]

0576

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 39 Core No. 3966C
 Total Length 270 cm. Lat. 5°04.34'N Long. 20°52.05'W Depth 2823m (corr.)
 Core condition EXCELLENT Date Described 2/8/84 by Paul Andrew
 Physiographic location CREST OF SIERRA LEONE RISE

Lithologic

Log

Detailed Description

0577

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 39 Core No. 3966C

Lithologic

Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 39 GGC
Expedition 066 Station No. 39
Leg No. 1 Total Core Length 270 cm

[illegible]

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 42 Core No. 42 GGC
Total Length 53 cm. Lat. 5° 10' 00" N Long. 2° 01' 29" W Depth 2666 m (com)
Core condition EXCELLENT Date Described 2/2/84 by Paul Andrew
Physiographic location CREST OF SIERRA LEONE RISE

Lithologic

Detailed Description

2-11
CALC Ooze
10 YR 5/2 grayish brown grading to 10 YR 6/3 pale brown.
Very silty, soupy lutite with very abundant forams.
S, H.

11-16
CALC Ooze
10 YR 5/6 yellowish brown.
Very silty, slick lutite with abundant forams.
G, mottled.

16-53
CALC Ooze
10 YR 6/4 light yellowish brown.
Faint, hazy 10 YR 6/6 brownish yellow mottling in the zone 16 - 41 cm, changing to extensive in the zone 41 - 51 cm.
Very silty, soupy lutite with very abundant forams.
The mottles are noted to have a slick texture.
A few 10 YR 6/3 pale brown splotches are scattered throughout.
END OF CORE.

0580

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 42 GGC
Expedition 066 Station No. 42
Leg No. 1 Total Core Length 53 cm

[illegible]

0581

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 43 Core No. 43 GGC
Total Length 275 cm. Lat. 5°15.87'N Long. 21°38.36'W Depth 3187 m (corr)
Core condition EXCELLENT Date Described 2/22/89 by Paul Andrew
Physiographic location WEST FLANK, SIERRA LEONE RISE
Lithologic

0584

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 44 Core No. 4466C
 Total Length 294 cm. Lat. 5°15.81'N Long. 21°42.74'W Depth 3423 m (corr)
 Core condition EXCELLENT Date Described 2/29/89 by Paul Andrew
 Physiographic location WEST FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0585

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 44 Core No. 4466C

Lithologic Log

Detailed Description

0586

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 44GGC

Expedition 066

Station No. 44

Leg No. 1

Total Core Length 294 cm

[illegible]

0587

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 45 Core No. 45GGC
Total Length 287 cm. Lat. 5°18.17'N Long. 21°55.60'W Depth 3659 m. (corr.)
Core condition EXCELLENT Date Described 2/27/89 by Paul Andrew
Physiographic location WEST FLANK, SIERRA LEONE RISE
Lithologic _____

VISUAL CORE DESCRIPTION

Ship EN Cruise 066 Leg 1 Sta. 45 Core No. 45 GGC

Detailed Description

198-217
CALC-SILIC OOZE
7.5 YR 6/6 reddish yellow changes to 7.5 YR 5/6 strong brown.
Common inter-mixing/mottling occurs between the two described colors, overprinting these is a slight 10 YR 6/3 pale brown flecking.
Silty lutite with scattered forams.
Very G, H.

217-272
CALC OOZE
10 YR 6/6 brownish yellow grades to 10 YR 5/3 brown grading to 10 YR 5/6 yellowish brown.
Scattered mottling in the Zone 223 - 272 cm with the dominant colors being 10 YR 3/1 very dark gray and 10 YR 5/3 brown.
Some of the mottles span the liner.
Silty lutite with a common foram distribution.
G, Mottled.

272-287
CALC OOZE
10 YR 3/1 very dark gray grading inter-mixingly to 10 YR 6/2 light brownish gray.
Common inter-mixing/mottling of the "unit colors" occurs in the Zone 278 - 284.
Very silty lutite with abundant forams.
END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 45 GGC

Expedition 066

Station No. 45

Leg No. 1

Total Core Length 287 cm

[illegible]

0590

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 46 Core No. 46 GGC
 Total Length 295 cm. Lat. 5° 17.80' N Long. 22° 01.68' W Depth 3623 m (corr.)
 Core condition EXCELLENT Date Described 2/28/89 by Paul Andrew
 Physiographic location WEST FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0591

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 46 Core No. 46 GGC

Lithologic
Log

Detailed Description

0592

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 46 GGC
Expedition 066 Station No. 46
Leg No. 1 Total Core Length

[illegible]

0593

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 47 Core No. 47GGC
Total Length 285 cm. Lat. 5° 18.88' N Long. 22° 11.81' W Depth 3760 m. (corr.)
Core condition EXCELLENT Date Described 3/1/84 by Paul Andrew
Physiographic location WEST FLANK, SIERRA LEONE RISE
Lithologic

Ship EN Cruise 066 Leg 1 Sta. 43 Core No. 43 GGC

Lithologic
Log

Detailed Description

125-168

CALC Ooze

7.5 YR 5/6 strong brown grades to 10 YR 5/4 yellowish brown back to 7.5 YR 5/6.

Common inter-mixing/mottling occurs between the neighboring units at the contacts. This mottling also occurs between the "unit colors" in the gradational zone.

Silty, slick lutite with a common foram distribution.

Slight increases in foram concentration occurs in the the 10 YR 5/4 yellowish brown zone.

G. H.

168-237

CALC Ooze

10 YR 6/3 pale brown changes to 7.5 YR 6/6 reddish yellow
grading back to 10 YR 6/3 back again to 7.5 YR 6/6
finally, back to 10 YR 6/3.

Common inter-mixing/mottling occurs in the gradational zones. However, an anomalous 2.5 Y 5/4 light olive brown mottling occurs in the Zone 214 - 219 cm.

Very silty lutite with very abundant forams in the pale brown sediment, to very silty lutite with a common foram distribution in the reddish yellow sediment.

S. Mottled.

237-245

CALC Ooze

10 YR 5/8 yellowish brown.

This narrow unit is commonly mottled near the contacts, giving it an overall commonly mottled appearance.

Slick, slightly silty lutite with scattered forams.

S, Very mottled.

245-275

CALC 00ZE

10 YR 6/4 light yellowish brown grades to 10 YR 6/6 brownish yellow.

Very slight 10 YR 6/3 pale brown mottling in the Zone
255 - 262 cm.

Very silty lutite with very abundant forams. Foram concentrations decrease to abundant in the Zone 263 - 272 cm.

END OF CORE

0583

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 43GGC

Expedition 066

Station No. 43

Leg No. 1

Total Core Length 275 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 47 Core No. 47 GGC

Lithologic
Log

Detailed Description

209-226

CALC-SILIC Ooze

7.5 YR 7/4 pink changes to 7.5 YR 6/6 reddish yellow.
Scattered 10 YR 7/4 very pale brown mottling, inter-mixed
and mottled with 10 YR 6/3 pale brown flecks, in the
Zone 211 - 221 cm.

Slightly silty lutite with scattered forams.
Very G. H.

67

226-267.

CALC-SILIC Ooze

10 YR 6/4 light yellowish brown grades to 10 YR 5/3 brown
back to 10 YR 7/4.
Common 10 YR 3/1 very dark gray mottling in the Zone 237-
267 cm.

Slightly silty lutite with scattered forams.
Very G, H.

85

267-285

HIGHLY CALC CLAY

10 YR 5/6 yellowish brown grades to 10 YR 5/1 gray.
Scattered and hazy 10 YR 5/1 gray mottling throughout.
Slightly silty lutite with scattered forams.
END OF CORE

END OF CORE

0595

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 47 GGC

Expedition 066

Station No. 47

Leg No. 1

Total Core Length 285 cm

[illegible]

0596

VISUAL CORE DESCRIPTION

Page 1 of 6

Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PC
 Total Length 1140 cm. Lat. 5°20.22'N Long. 22°22.33'W Depth 4085m corr.
 Core condition EXCELLENT Date Described 5/11/84 by Paul Andrew
 Physiographic location W. FLANK, SIERRA LEONE RISE

Lithologic

Log

Detailed Description

0597

VISUAL CORE DESCRIPTION

Page 2 of 6

Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PC

Lithologic

Log

Detailed Description

0598

VISUAL CORE DESCRIPTION

Page 3 of 6

Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PC

Lithologic Log

Detailed Description

264-343 - (cont'd)

However, slightly greater abundances are noted in the pale brown zones.

A 1/2 cm wide burrow spans 3/4 of the liner in the zone 294 - 297 cm, colored 10 YR 4/1 dark gray.

G, Mottled.

343-372

CALC-SILIC Ooze

10 YR 5/4 yellowish brown grades to 10 YR 6/4 light-yellowish brown.

Commonly mottled with a dominant color of 10 YR 5/2 grayish brown.

Lutite with rare forams.

G, very mottled.

372-394

CALC Ooze

10 YR 6/2 light brownish gray.

Scattered 10 YR 5/1 gray mottling throughout.

Very silty lutite with abundant forams.

Very G, very mottled.

394-407

CALC Ooze

10 YR 6/4 light yellowish brown.

Slight 10 YR 6/2 light brownish gray mottling.

Slightly silty lutite with a few forams.

G, Mottled.

407-427

CALC Ooze

10 YR 6/3 pale brown.

An anomalous patch of slick, low foram content sediment, colored 10 YR 5/3 brown, occurs in the zone 417 - 423 cm.

Very silty lutite with very abundant forams.

G, Mottled.

427-438

CALC Ooze

10 YR 6/4 light yellowish brown.

Very slight 10 YR 6/3 pale brown mottling throughout.

Silty lutite with scattered forams.

Very S, H.

438-460

CALC Ooze

10 YR 7/4 very pale brown grade to 10 YR 7/3 very pale brown.

Scattered 10 YR 6/4 light yellowish brown mottling in the zone 438 - 448 cm. These mottles have lesser foram concentrations.

Very silty lutite with abundant forams.

G, Mottled.

0599

VISUAL CORE DESCRIPTION

Page 4 of 6

Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PC

Lithologic Log

Detailed Description

460-490

CALC Ooze

7.5 YR 7/4 pink grades to 10 YR 5/4 yellowish brown.

Scattered burrowing throughout the zone 460 - 482 cm, texturally distinct and dominantly colored 10 YR 8/3 very pale brown.

Slightly silty lutite with a few forams.

Very G, H.

490-557

CALC Ooze

10 YR 5.5/3 brown to pale brown.

Common 10 YR 4/1 dark gray mottling in the zone 506 - 518 cm. Scattered distributions of the same colored sediment occurs in the zone 518 - 557 cm.

Silty lutite with scattered forams.

G, Mottled.

557-575

CALC Ooze

10 YR 6/3 pale brown grades to 10 YR 6/4 light yellowish brown.

Slight 10 YR 5/1 gray flecking throughout.

Silty lutite with a few forams.

G, Mottled.

575-598

CALC Ooze

10 YR 8/3 very pale brown grades to 10 YR 8/4 very pale brown.

Very slight 10 YR 5/1 gray mottling in the zone 588 - 595 cm.

Very silty lutite with very abundant forams.

S, Mottled.

598-607

CALC Ooze

7.5 YR 7/6 reddish yellow.

Extensively mottled with large, foram rich, "burrow-like" mottles colored 7.5 YR 8/6 reddish yellow.

Lutite with a few forams.

A one-half cm wide burrow, colored 10 YR 7/2 light gray, spans the liner at 600 cm.

G, Mottled.

607-626

CALC Ooze

10 YR 6/4 light yellowish brown.

Faint, hazy 10 YR 6/3 pale brown mottling throughout.

Slightly silty lutite with a few forams.

Two foram-rich burrows noted in the zone 608 - 613 cm.

G, H.

0600

VISUAL CORE DESCRIPTION

Page 5 of 6Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PCLithologic
LogDetailed Description

626-681

CALC Ooze

10 YR 5/4 yellowish brown.

Extensively mottled in the zone 626 - 640 cm, 645 - 668 cm, and 677 - 681 cm with 10 YR 4/1 dark gray being the dominant color.

Slightly silty lutite with scattered forams.

A few of the mottles span the liner in a "burrow-like" fashion; most notably, a 10 YR 5/3 brown, horizontal, foram rich band in the zone 675 - 678 cm.

G, very mottled.

681-738

CALC Ooze

10 YR 7/2 light gray grades to 10 YR 7/3 very pale brown.

Scattered 10 YR 6/1 light gray mottling throughout the zone 681 - 716 cm. Note: The value of the mottles decrease with depth, as does their abundance.

Very silty lutite with abundant forams.

A compaction VOID occurs at the top of Section #3.

Thus, the ruler was adjusted and the top of Section #3 starts at 688 cm.

Very G, H.

738-850

CALC Ooze

Intercalated bands of 10 YR 6/4 light yellowish brown and 10 YR 6/3 pale brown.

Common inter-mixing/mottling occurs between the "unit colors" in the transitional zones.

Silty lutite with scattered forams in the 10 YR 6/4 bands, to silty lutite with common foram distributions in the 10 YR 6/3 layers.

A slight, 10 YR 6/2 light brownish gray, anomalous mottling noted in the zones 738 - 780 cm and 791 - 806 cm. Also, two large "bubble voids" occur in the zone 810 - 820 cm and 828 - 831 cm.

S, Mottled.

850-861

CALC Ooze

10 YR 6.5/2, light brownish to light gray.

Scattered mottling throughout with the major colors being 10 YR 5/3 and 6/1, brown and gray, respectively.

Very silty lutite with abundant forams.

G, H.

0601

VISUAL CORE DESCRIPTION

Page 6 of 6Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PCLithologic
LogDetailed Description

861-907

CALC Ooze

10 YR 5/4 yellowish brown.

Scattered 10 YR 5/1 gray mottling throughout. Also, an extensively mottled band, rich in forams and dominantly colored 10 YR 6/3 pale brown, occurs in the zone 880 - 892 cm.

Silty lutite with scattered forams throughout. S, Mottled.

907-974

CALC Ooze

10 YR 8/2 white grades to 10 YR 6/3 pale brown changes sharply, 7.5 YR 6/4 light brown grades back to 10 YR 8/2 which grades again to 10 YR 6/3.

Common 10 YR 5/1 gray mottling in the zone 907 - 915 cm. The 7.5 YR 6/4 layer is commonly inter-mixed/mottled with the surrounding sediment in the zone 932 - 943 cm.

Very silty lutite with very abundant forams, to slightly silty lutite with a few forams back to very silty lutite with very abundant forams.

G, Mottled.

974-1112

INTERCALATED CALC Ooze AND SILIC-CALC Ooze

Intercalated bands of 10 YR 7/4 very pale brown and 10 YR 5/4 yellowish brown.

Common inter-mixing occurs between the intercalated layers in their transitional zones. Also, a slight, anomalous, 10 YR 5/1 gray mottling occurs in the zone 982 - 1009 cm, 1024 - 1056 cm and 1067 - 1079 cm.

Very silty lutite with abundant forams in the 10 YR 7/4 layers, to lutite with rare forams in the 10 YR 5/4 bands.

G, Mottled.

1112-1140

SILIC-CALC TO CALC Ooze

10 YR 5/3 brown grading to 10 YR 5/4 yellowish brown to 10 YR 5/3 brown again.

Common 10 YR 5/1 gray mottling in the zone 1116 - 1125 cm. Scattered distributions of this colored sediment occur elsewhere.

Slightly silty lutite with a few forams.

Abundant forams noted in bands within the zones 1120 - 1124 cm and 1137 - 1140 cm.

END OF CORE.

0602

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 48 PC
 Expedition 066 Station No. 48
 Leg No. 1 Total Core Length 1140 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)													
		Inorganic Material					Biogenous Material								
		Silt & Sand					Calcareous					Siliceous			Silic Flags
		Detrital grains	Micronodules	Pyrite	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria	Sponges	
10	CALC-SILIC Ooze	TR	1	1	TR	62	10	17	-	-	4	3	2	-	TR
32	CALC Ooze	1	2	TR	TR	60	13	19	-	-	4	1	TR	-	-
60	CALC Ooze	1	2	1	TR	60	5	27	-	-	1	2	1	-	TR
115	CALC Ooze	2	2	1	TR	62	5	22	-	-	3	2	1	TR	TR
127	CALC Ooze	1	2	3	TR	54	7	27	-	TR	5	1	-	-	-
243	HIGHLY CALC CLAY	1	2	TR	TR	72	2	20	-	-	3	TR	TR	-	-
350	CALC-SILIC Ooze	1	1	TR	-	46	1	40	-	-	2	5	3	-	1
432	CALC Ooze	2	2	1	TR	43	5	44	-	-	3	TR	-	-	-
496	CALC Ooze	1	1	TR	TR	49	2	45	-	-	2	TR	-	-	-
565	CALC Ooze	1	2	1	TR	58	3	30	-	-	5	TR	TR	-	-
641	CALC Ooze	1	2	1	-	45	3	45	-	TR	3	TR	-	-	-
741	CALC Ooze	TR	1	TR	TR	42	10	40	-	-	7	TR	-	-	-
852	CALC Ooze	TR	1	TR	TR	59	5	30	-	TR	2	1	2	-	TR
900	CALC Ooze	5	3	1	-	57	2	28	-	-	3	1	-	-	-
1000	CALC Ooze	1	2	1	TR	65	2	25	-	TR	4	TR	TR	-	-
1100	SILIC-CALC Ooze	3	2	1	TR	50	1	17	-	-	3	20	2	-	1
1139	CALC Ooze	TR	1	1	TR	60	5	30	-	-	3	TR	-	-	-

0603

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 48 Core No. 48PG
 Total Length 143 cm. Lat. 5°20.22'N Long. 22°22.5'W Depth 4085m (corr.)
 Core condition EXCELLENT Date Described 5/11/84 by Paul Andrew
 Physiographic location W. FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0-19
 CALC-SILIC Ooze
 10 YR 5/4 yellowish brown.
 Very slight 10 YR 5/1 gray flecking throughout with a 3 cm wide, 10 YR 4/4 dark yellowish brown mottled band occurring at the top of the core.
 Silty lutite with a common distribution of forams.
 G, H.

19-71
 CALC Ooze
 10 YR 6/4 light yellowish brown
 Scattered, large, 10 YR 4/1 dark gray burrows inter-mixed with a hazy mottling with dominant colors of 10 YR 5/3 and 6/3, brown and pale brown. This combination gives the unit an overall commonly mottled appearance.
 Very silty lutite with abundant forams.
 G, H.

71-92
 SILIC-CALC Ooze
 10 YR 5/4 yellowish brown
 Commonly mottled by 10 YR 3/2 very dark grayish brown sediment.
 Lutite with very few forams, mostly restricted to the upper and basal contacts.
 One vertical burrow and two horizontal burrows, in the zone 72 - 78 cm and 83 - 86 cm respectively, are rich in forams. Also, a band of foram-rich sediment exists in the zone 73 - 77 cm.
 Very S, Irregular.

92-102
 CALC Ooze
 10 YR 5/1 gray grades to 10 YR 6/4 light yellowish brown.
 Some slight inter-mixing occurs between the described "unit colors".
 Very silty lutite with foram distributions grading from very abundant to abundant.
 G, H.

102-121
 CALC-SILIC Ooze
 10 YR 5/4 yellowish brown.
 Slight, laminated 10 YR 4/3 dark brown streaks in the zone 102 - 112 cm.
 Slightly silty lutite with scattered forams throughout.
 Very G, H.

121-143
 CALC-SILIC Ooze
 10 YR 6/4 light yellowish brown
 Slight, 10 YR 5/1 gray flecking throughout. Also, two 10 YR 3/3 dark brown laminae occur in the zone 139 - 142 cm.
 Silty lutite with a common foram distribution.
 END OF CORE.

0604

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 48 PG
Expedition 066 Station No. 48
Leg No. 1 Total Core Length 143 cm

[illegible]

0605

VISUAL CORE DESCRIPTION

Page 1 of 6

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49PC
Total Length 1078 cm. Lat. 5°22'58"N Long. 22°40.60'W Depth 4246 m (corr)
Core condition EXCELLENT Date Described 5/1/84 by Paul Andrew
Physiographic location W. FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

0606

VISUAL CORE DESCRIPTION

Page 2 of 6

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49PC

Lithologic Log

Detailed Description

0607

VISUAL CORE DESCRIPTION

Page 3 of 6

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49PC

Lithologic Log

Detailed Description

0608

VISUAL CORE DESCRIPTION

Page 4 of 6Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49 PCLithologic
Log

Detailed Description

543-613

CALC OOZE
10 YR 6/2 light brownish gray grades to 10 YR 7/3 very pale brown.
Slight burrowing in the zone 543 - 570 cm, color-10 YR 4/1 dark gray.
Silty lutite with a common foram distribution.
Very G, H.

613-635

CALC OOZE TO HIGHLY CALC CLAY
10 YR 6/4 light yellowish brown and 10 YR 5/4 yellowish brown.
Complete inter-mixing/mottling occurs between the two described unit colors.
Silty lutite with scattered forams.
G, Very mottled.

635-697

HIGHLY CALC CLAY
YR 6.5/4 pale brown changes to 7.5 YR 7/4 pink back to 10 YR 6 5/4 grading to 10 YR 5/4 yellowish brown and back again to 10 YR 6.5/4.
Common inter-mixing/mottling occurs between the "unit colors" in the transitional zones. However, an anomalous 10 YR 6/2 light brownish gray mottling is noted in the zones 642 - 655 cm, 673 - 684 cm and 689 - 696 cm.
Silty lutite with foram concentrations ranging from few, in the pink and yellowish brown zones, to common elsewhere.
G, Mottled.

697-723

HIGHLY CALC CLAY TO CALC OOZE
7.5 YR 6/5 light brown changes to 10 YR 6/4 light-yellowish brown.
Scattered inter-mixing/mottling occurs between the "unit colors" in the transitional zone. Also of a scattered distribution is a 10 YR 7/4 very pale brown mottled zone within 697 - 705 cm.
Silty lutite with foram distributions grading from few to scattered.
S, Mottled.

723-736

CALC OOZE
10 YR 7/3 very pale brown.
Some slight inter-mixing/mottling with the 10 YR 5/4 light yellowish brown sediment from the unit above.
Very silty lutite with abundant forams.
Very G, H.

0609

VISUAL CORE DESCRIPTION

Page 5 of 6Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49 PCLithologic
Log

Detailed Description

736-796

CALC OOZE
10 YR 5/4 yellowish brown changes to 10 YR 5/3 brown back to 10 YR 5/4.
Common inter-mixing/mottling occurs between the described unit colors, along with a scattered 10 YR 4/1 dark gray mottling.
Slightly silty lutite with scattered forams.
Some of the dark gray mottling spans the liner in a "burrowing" fashion.
S, Mottled.

796-825

CALC OOZE
10 YR 7/3 pale brown.
Slight inter-mixing/mottling occurs within the zone 9 cm from the basal contact. Also noted is a 10 YR 4/1 dark gray mottled zone at 796 - 803 cm.
Very silty lutite with abundant forams.
S, Mottled.

825-835

HIGHLY CALC CLAY
7.5 YR 6/6 reddish yellow to 7.5 YR 7/4 pink.
Common inter-mixing/mottling occurs between the unit colors.
Lutite with very few forams.
A foram rich burrow, 1 cm wide, colored 10 YR 7/3 pale brown, occurs in the zone 826 - 828 cm.
G, Mottled.

835-861

CALC OOZE
10 YR 6.5/3 very pale to pale brown.
Very silty lutite with very abundant forams.
S, H.

861-895

HIGHLY CALC CLAY
10 YR 6/4 light yellowish brown.
Scattered, banded, 10 YR 5/4 yellowish brown mottling throughout.
Slightly silty lutite with scattered forams.
An anomalous patch of 10 YR 7/2 light gray, foram rich sediment noted in the zone 874 - 878 cm.
S, Irregular

895-905

CALC OOZE
10 YR 6.5/4 very pale brown.
One 0.5 cm wide 10 YR 5/4 yellowish brown burrow noted in the zone 897 - 899 cm.
Very silty lutite with abundant forams.
S, Mottled.

0610

VISUAL CORE DESCRIPTION

Page 4 of 6

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49 PCLithologic
Log

Detailed Description

905-937

CALC-SILIC OOZE

7.5 YR 5/6 strong brown.

Commonly mottled in the zone 918 - 937 cm with 10 YR 5/3 brown being the dominant color.

Lutite with a few forams noted near the upper and basal contacts.

Slight inter-mixing/mottling, with the unit above, occurs in the zone 905 - 914 cm.

S, Very mottled.

937-988

CALC OOZE TO HIGHLY CALC-SILIC CLAY

Intercalated bands of 10 YR 7/3 very pale brown and 10 YR 5/4 yellowish brown.

Scattered inter-mixing/mottling noted between the unit colors. Also, a slight, 10 YR 5/1 gray mottled zone occurs within 952 - 961 cm.

Very silty lutite with abundant forams in the very pale brown bands, to lutite with a few forams in the yellowish brown layers.

S, Mottled.

988-1008

CALC-SILIC OOZE

7.5 YR 5/6 strong brown.

Lutite with very few forams.

G, H.

1008-1037

CALC-SILIC OOZE

10 YR 5/3 brown grades to 10 YR 5/4 yellowish brown back to 10 YR 5/3.

Common, banded mottling throughout with a dominant color of 10 YR 5/2 grayish brown.

Silty lutite with a common foram distribution in the brown layers, to lutite with a few forams in the yellowish brown layer.

G, Very mottled.

1037-1052

CALC OOZE

10 YR 7/2 light gray.

Slight 10 YR 5/2 grayish brown mottling in the zone 1037-1044.

Very silty lutite with very abundant forams.

G, Mottled.

1052-1077

CALC OOZE

10 YR 6/4 light yellowish brown grades to 10 YR 5/4 yellowish brown.

Scattered mottling throughout with the dominant colors being 10 YR 6/3 pale brown and 10 YR 5/1 gray.

Lutite with very few forams.

Mottling becomes extensive in the zone 1072 - 1077 cm.

END OF CORE.

0611

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: ENCore No. 49 PCExpedition 066Station No. 49Leg No. 1Total Core Length 1078 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)											
		Inorganic Material					Biogenous Material						
		Silt & Sand					Calcareous				Siliceous		
		Detrital grains	Micronodules	Pyrite	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria
18	CALC-SILIC OOZE	TR	1	TR	TR	60	3	29	-	-	1	4	1
27	CALC OOZE	1	1	1	TR	64	5	25	-	-	3	TR	-
55	CALC OOZE	TR	1	TR	TR	39	20	35	-	TR	5	TR	-
82	CALC CLAY	12	4	TR	-	74	TR	5	-	TR	4	1	TR
130	CALC OOZE	1	1	TR	TR	43	12	40	-	TR	3	TR	TR
152	CALC-SILIC OOZE	TR	1	1	-	45	15	27	-	TR	5	4	2
228	CALC OOZE	TR	2	TR	TR	40	10	40	-	-	8	TR	-
272	CALC OOZE	-	TR	TR	TR	43	10	43	-	-	3	TR	1
295	CALC-SILIC OOZE	TR	2	TR	-	53	5	27	-	-	3	7	2
380	CALC OOZE	-	TR	TR	-	32	3	57	-	-	8	TR	-
455	HIGHLY CALC CLAY	2	1	TR	TR	70	2	22	-	-	2	1	TR
535	HIGHLY CALC CLAY	8	1	1	-	64	1	20	-	-	4	1	-
600	CALC OOZE	-	TR	-	-	50	20	26	-	-	3	-	1
656	HIGHLY CALC CLAY	2	2	TR	TR	68	2	23	-	-	3	TR	-
759	CALC OOZE	1	2	TR	-	62	4	30	-	-	1	TR	-
830	HIGHLY CALC CLAY	1	1	TR	-	69	2	20	-	-	3	2	2
930	CALC-SILIC OOZE	1	1	TR	TR	57	1	28	-	TR	4	4	2
1000	CALC-SILIC OOZE	1	1	TR	TR	45	TR	40	-	TR	2	10	1
1075	CALC OOZE	TR	TR	TR	TR	49	1	49	-	-	1	TR	TR

0612

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49 PG
 Total Length 143 cm. Lat. 5°22'58"N Long. 22°40'50"W Depth 4246m (corn)
 Core condition EXCELLENT Date Described 5/11/84 by Paul Andrew
 Physiographic location W. FLANK, SIERRA LEONE RISE

Lithologic
Log

Detailed Description

0613

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 49 Core No. 49 PG

Lithologic
Log

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN Core No. 49 PG
Expedition 066 Station No. 49
Leg No. 1 Total Core Length 143 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship EN Cruise 066 Leg 1 Sta. 51 Core No. 51 GGC
Total Length 291 cm. Lat. 5°25.10'N Long. 22°41.97'W Depth 4263m (corr)
Core condition EXCELLENT Date Described 3/2/84 by Paul Andrew
Physiographic location WEST FLANK, SIERRA LEONE RISE

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Ship EN Cruise 066 Leg 1 Sta. 51 Core No. 51 GGC

Lithologic
Log

Detailed Description

135-203 - (cont'd)

Very silty lutite with very abundant forams. A slight decrease in foram concentrations noted in the reddish yellow sediment

A 10 YR 7/4 very pale brown burrow spans the liner in the zone 197-198 cm.

S, mottled.

203-209

CALC-SILIC OOZE

7.5 YR 6/6 reddish yellow.

Slight 10 YR 6/3 pale brown mottling throughout.

Slightly silty lutite with a few forams.

S, Faint, I - 20°.

209-224

CALC Ooze

7.5 YR 5.5/6 strong brown.

Very few 10 YR 6/4 light yellowish brown flecks noted throughout.

Silty lutite with scattered forams.

An irregular, 2.5 Y 4/2 dark grayish brown band spans the liner in the Zone 221 - 223.

G. H.

224-271

HIGHLY CALC-CLAY

10 YR 5/6 yellowish brown.

Faint, hazy 10 YR 5/4 yellowish brown mottling in the Zone 224 - 244 cm. Extensive 10 YR 3/1 very dark gray mottling in the Zone 244 - 258 cm and common 10 YR 4/2 dark grayish brown mottling in the Zone 258 - 271 cm.

Slight silty lutite with a few forams.

A few of the mottles are noted to span the core liner.

G. H.

271-278

CALC OOZE

10 YR 4/1 dark gray.

Very faint 10 YR 5/2 grayish brown mottling throughout.

Silty lutite with a common foram distribution.

S, Very mottled.

278-291

CALC-SILIC OOZE

10 YR 6/2 light brownish gray.

Scattered 10 YR 4/1 dark gray mottling mostly in the Zone
278 - 287 cm.

Very silty lutite with abundant forams.

END OF CORE

0617

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 51. GGC

Expedition 066

Station No. 51

Leg No. 1

Total Core Length 291 cm

[illegible]

0618

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship EN Cruise 066 Leg 1 Sta. 52 Core No. 52 GGC
 Total Length 183 cm. Lat. 5° 21.21' N Long. 23° 12.01' W Depth 4388 m (corr.)
 Core condition EXCELLENT Date Described 2/9/84 by Paul Andrew
 Physiographic location WEST FLANK, SIERRA LEONE RISE

Lithologic Log

Detailed Description

0619

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship EN Cruise 066 Leg 1 Sta. 52 Core No. 52 GGC

Lithologic Log

Detailed Description

0620

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: EN

Core No. 52 GGC

Expedition 066Station No. 52

Leg No. 1

Total Core Length 183 cm

[illegible]

0621

[illegible]

0622

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
*****PAGE
WHOI

1

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX TYPE	MARS- DEN SQUARE	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. TYPE	VITA CODE	REMARKS
KNR 96	1	0001	0000	19	82 7 9	40 26.6°N	62 21.5°W	6	115.02	0001	4814.	20.	0000	10	3359	0	
KNR 96	1	0002	0000	19	82 7 9	40 26.4°N	62 21.0°W	6	115.02	0002	4817.	16.	0000	10	4459	0	
KNR 96	1	0003	0000	19	82 7 10	40 27.5°N	62 19.4°W	6	115.02	0003	4827.	15.	0000	10	3459	0	
KNR 96	1	0004	0000	19	82 7 10	40 27.4°N	62 19.7°W	6	115.02	0004	4824.	18.	0000	10	3439	0	
KNR 96	1	0006	0000	19	82 7 11	40 27.3°N	62 19.5°W	6	115.02	0006	4827.	12.	0000	10	3439	0	
KNR 96	1	0007	0000	19	82 7 11	40 26.0°N	62 20.8°W	6	115.02	0007	4825.	19.	0000	10	3339	0	
KNR 96	1	0008	0000	19	82 7 12	40 26.4°N	62 20.5°W	6	115.02	0008	4817.	35.	0000	10	3429	0	
KNR 96	1	0009	0000	19	82 7 13	40 26.6°N	62 20.5°W	6	115.02	0009	4817.	17.	0000	10	3339	0	
KNR 96	1	0010	0000	19	82 7 13	40 27.0°N	62 20.3°W	6	115.02	0010	4819.	20.	0000	10	3359	0	
KNR 96	1	0011	0000	19	82 7 14	40 27.6°N	62 20.1°W	6	115.02	0011	4823.	25.	0000	10	3439	0	
KNR 96	1	0012	0000	19	82 7 15	40 26.7°N	62 19.6°W	6	115.02	0012	4828.	18.	0000	10	3459	0	
KNR 96	1	0014	0000	19	82 7 16	40 25.8°N	62 20.5°W	6	115.02	0014	4824.	23.	0000	10	3439	0	
KNR 96	1	0016	0000	19	82 7 17	40 26.7°N	62 20.9°W	6	115.02	0016	4824.	13.	0000	10	3429	0	
KNR 96	1	0018	0000	19	82 7 18	40 27.0°N	62 20.2°W	6	115.02	0018	4820.	20.	0000	10	3359	0	
KNR 96	1	0022	0000	19	82 7 19	40 26.2°N	62 20.1°W	6	115.02	0022	4820.	19.	0000	10	3359	0	
KNR 96	1	0025	0000	19	82 7 21	40 26.1°N	62 21.0°W	6	115.02	0025	4622.	39.	0000	10	3339	0	
KNR 96	1	0027	0000	19	82 7 23	40 27.1°N	62 20.4°W	6	115.02	0027	4818.	25.	0000	10	3339	0	
KNR 96	1	0034	0000	19	82 7 26	40 26.2°N	62 20.3°W	6	115.02	0034	4819.	43.	0000	10	3329	0	

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 1 Core No. 1 BC
Total Length 20 cm. Lat. 40° 26.620'N Long. 62° 21.550'W Depth 4814
Core condition EXCELLENT Date Described 6/26/84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic Log

Detailed Description

0-20

CALC Ooze
10 YR 3/3 dark brown grading to 10 YR 4/3 brown, respectively.
Very silty lutite with a common foram distribution.
END OF CORE.

0624

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 1 BC

Expedition 96Station No. 1

Leg No. 1

Total Core Length 20 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 2 Core No. 2BC
Total Length 18 cm. Lat. 40° 26.434' N Long. 62° 21.093' W Depth 4817
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

0-2 VOID
2-18

HIGHLY CALC CLAY
10 YR 3/3 dark brown grading to 10 YR 4/3 brown.
Very silty lutite with a common distribution of forams.
Small clusters of forams at 3 cm and 13 cm.
END OF CORE.

0626

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 2 BC

Expedition 96

Station No. 2

Leg No. 1

Total Core Length 18 cm

[illegible]

VISUAL CORE DESCRIPTION

0628

Ship KNR Cruise 96 Leg 1 Sta. 3 Core No. 3 BC
Total Length 15 cm. Lat. 40° 27.594' N Long. 62° 19.474' W Depth 4823
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Core No. 3 BC

Station No. 3

Total Core Length 15 cm

Lithologic Log

0

10

20

END OF CORE

Detailed Description

HIGHLY CALC CLAY
7.5 YR 4/4 brown to dark brown.
Clean lutite.
S, Irregular.

CALC OOZE
10 YR 5/3 brown.
Faint mottling, colored 10 YR 5/2 grayish brown, noted
between 4-6 cm.
Silty lutite with common foram distribution.
G, H.

CALC OOZE
10 YR 4/4 dark yellowish brown.
Very silty lutite with an abundance of forams throughout.
END OF CORE.

ESTIMATED ABUNDANCES (%)

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 4 Core No. 4BC
Total Length 18 cm. Lat. 40° 27.77'N Long. 62° 19.78'W Depth 4824
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

0-8

HIGHLY CALC CLAY
7.5 YR 4/4 brown to dark brown.
Clean lutite.
S, Irregular.

8-18

CALC 00ZE
10 YR 4/4 dark yellowish brown.
Faint mottling between 0-14 cm, dominantly colored
10 YR 4/1 dark gray.
Very silty lutite with abundant forams throughout.
END OF CORE.

0629A

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 4 BC

Expedition 96Station No. 4

Leg No. 1

Total Core Length 18 cm

[illegible]

VISUAL CORE DESCRIPTION

Ship KNR Cruise 96 Leg 1 Sta. 6 Core No. 6BC
Total Length 14 cm. Lat. 40° 27.323' N Long. 62° 19.531' W Depth 4827
Core condition EXCELLENT Date Described 6-26-84 by L. PEARSON
Physiographic location HEBBLE AREA
Lithologic Log Detailed Description

Log

0

VOID

0-2 VOID

2-5

HIGHLY CALC CLAY
10 YR 4/4 dark yellowish brown.
Clean lutite
S, Irregular.

5-14

CALC OOZE
10 YR 5/3 brown.
Silty lutite with even distribution of forams throughout.
END OF CORE.

10

END OF CORE

20

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96 Core No. 6 BC
Expedition 96 Station No. 6
Leg No. 1 Total Core Length 14 cm

[illegible]

Ship KNR Cruise 96 Leg 1 Sta. 7 Core No. 7BC
Total Length 21 cm. Lat. 40° 26.003' N Long. 62° 20.813' W Depth 4825
Core condition EXCELLENT Date Described 6-26-84 by L. PEARSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

Log		Interval	Description
0	VOID	0-2	VOID
		2-5	CALC OOZE 10 YR 4/4 dark yellowish brown. Clean lutite. S.
10		5-21	CALC OOZE 10 YR 4/3 brown to dark brown. 10 YR 4/2 dark grayish brown mottling within the area of 9-14 cm. Silty lutite with common distribution of forams throughout. END OF CORE.
20	END OF CORE		
30			

0633

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96
Expedition 96
Leg No. 1

Core No. 7 BC
Station No. 7
Total Core Length

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. B Core No. BBC
Total Length 35 cm. Lat. 40° 26.470' N Long. 62° 20.530' W Depth 4817
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

0-3

CALC OOZE
10 YR 4/3 brown to dark brown.
Lutite with a few scattered forams.
G, Irregular

3-33

GALC Ooze
10 YR 4/4 dark yellowish brown.
Faint mottling 10 YR 5/4 yellowish brown throughout.
Very silty lutite with common distribution of forams
throughout.
S. H.

33-35

HIGHLY CALC CLAY
10 YR 3/3 dark brown.
Very silty lutite with a few scattered forams.
END OF CORE.

END OF CORE

40

0635

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 8 BC

Expedition 96Station No. 8

Leg No. 1

Total Core Length 35 cm

[illegible]

0638
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 10 Core No. 10BC
Total Length 22 cm. Lat. 40° 27.080'N Long. 62° 20.171'W Depth 4819
Core condition EXCELLENT Date Described 6-26-84 by L. PEARSON
Physiographic location HEBBLE AREA

Lithologic Log

Detailed Description

0-2	VOID
2-8	

CALC OOZE

10 YR 4/4 dark yellowish brown.

Slightly silty lutite with evenly scattered forams.
S, with a silty lutite - Foram sand layer at 8-9 cm.

8-22

CALC OOZE

10 YR 5/3 brown grading to 10 YR 5/4 yellowish brown.
Very faint 10 YR 5/2 grayish brown mottling throughout.
Very silty lutite with scattered forams throughout.
END OF CORE.

END OF CORE.

0639

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 10 BC

Expedition 96Station No. 10

Leg No. 1

Total Core Length 22 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 12 Core No. 12 BC
Total Length 18 cm. Lat. 40° 26.725' N Long. 62° 19.633' W Depth 4828
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic

Detailed Description

0-3

3-5

5-18

END OF CORE

10.

HIGHLY CALC CLAY

10 YR 4/3 brown to dark brown.
Very silty lutite.
S, Irregular.

HIGHLY CALC CLAY

10 YR 4/4 dark yellowish brown.
Silty lutite.
S. H.

CALC OOZE

10 YR 5/3 grades to 10 YR 4/4 dark yellowish brown.
10 YR 4/2 dark grayish brown mottling between 5-12 cm.
Very silty lutite with an abundance of forams scattered
throughout.
A silty lutite, 10 YR 4/4 dark yellowish brown intrusion
between 12-14 cm.
END OF CORE.

0643

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 12 BC

Expedition 96

Station No. 12

Leg No. 1

Total Core Length 18 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 16 Core No. 16 BC
Total Length 15 cm. Lat. 40° 26.738' N Long. 62° 20.917' W Depth 4815
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 16 BC

Expedition 96

Station No. 16

Leg No. 1

Total Core Length 15 cm

[illegible]

VISUAL CORE DESCRIPTION

0651

Ship KNR Cruise 96 Leg 1 Sta. 22 Core No. 22 BC
Total Length 19 cm. Lat. 40° 26.25' N Long. 62° 10.12' W Depth 4820
Core condition EXCELLENT Date Described 6-26-84 by L. PEIRSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

0-19

CALC 00ZE

10 YR 4/3 brown to dark brown grading to 10 YR 4/4
dark yellowish brown.

10 YR 5/2 grayish brown mottling between 5-9 cm, especially abundant forams between 5-6 cm.

Very silty lutite with dispersed forams between 5-14 cm, and more abundant conglomeration of forams in the zone of 14-19 cm.

Spotches of slightly silty lutite with dispersed forams
at top of core.

END OF CORE.

END OF CORE

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Lithologic
Log

Detailed Description

0-20

CALC Ooze

10 YR 4/3 brown to dark brown grading to 10 YR 4/4
dark yellowish brown.

Faint 10 YR 4/2 dark grayish brown mottling between 0-8 cm.

Very silty lutite with abundant forams in the zones 3-8 cm and 11-20 cm.

S, Irregular.

20-25

CALC 00ZE

10 YR 4/4 dark yellowish brown.

Slightly silty lutite with scattered forams throughout.
END OF CORE.

END OF CORE.

0655

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 27 BC

Expedition 96

Station No. 27

Leg No. 1

Total Core Length 25 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 96 Leg 1 Sta. 34 Core No. 34 BC
Total Length 43 cm. Lat. 40° 26.280' N Long. 62° 20.360' W Depth 4819
Core condition EXCELLENT Date Described 6-26-84 by L. PIERSON
Physiographic location HEBBLE AREA

Lithologic
Log

Detailed Description

2-32

CALC Ooze

10 YR 5/4 yellowish brown.

10 YR 4/3 brown to dark brown and 10 YR 4/2 dark grayish brown common mottling between 2-8 cm and 22-29 cm. Very silty lutite with abundant forams throughout. 10 YR 4/4 dark yellowish brown uniformly mottled band between 15-18 cm.
G. Mottled.

32-43

CALC OOZE

10 YR 4/3 brown to dark brown.

Faint 10 YR 4/2 dark grayish brown mottling between 34-36 cm.

Smooth lutite with scattered forams.

END OF CORE.

0657

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR 96

Core No. 34 BC

Expedition 96Station No. 34

Leg No. 1

Total Core Length 43 cm

[illegible]

0658

0659

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
*****PAGE
WHOI

1

SHIP	CRUISE	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MODA	LATITUDE	LONGITUDE	FIX	MARS- DEN	CORE OP DREDGE	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE	WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED.	VITA CODE	REMARKS
KNR 102	1	0001	0000	15	83 5 5	28 54.8°N	70 56.7°W	6	80.80	0001	5370.	1152.	0000	10	4811	0			
KNR 102	1	0001	0000	26	83 5 5	28 54.8°N	70 56.7°W	6	80.80	0001	5370.	118.	0000	10	4829	0			
KNR 102	1	0002	0000	15	83 5 6	28 57.4°N	71 6.2°W	6	80.81	0002	5365.	900.	0000	10	3229	0			
KNR 102	1	0002	0000	26	83 5 6	28 57.4°N	71 6.2°W	6	80.81	0002	5365.	61.	0000	10	3229	0			
KNR 102	1	0003	0000	15	83 5 7	30 15.9°N	69 35.9°W	6	115.09	0003	5265.	1160.	0000	10	3429	0			
KNR 102	1	0003	0000	26	83 5 7	30 15.9°N	69 35.9°W	6	115.09	0003	5265.	145.	0000	10	3339	0			
KNR 102	1	0004	0000	15	83 510	30 10.3°N	69 46.4°W	6	115.09	0004	5300.	1065.	0000	10	1429	0			
KNR 102	1	0004	0000	26	83 510	30 10.3°N	69 46.4°W	6	115.09	0004	5300.	145.	0000	10	1469	0			
KNR 102	1	0005	0000	15	83 512	31 6.8°N	68 6.5°W	6	115.18	0005	5125.	1091.	0000	10	4329	0			
KNR 102	1	0005	0000	26	83 512	31 6.8°N	68 6.5°W	6	115.18	0005	5125.	129.	0000	10	3429	0			
KNR 102	1	0006	0000	15	83 514	31 9.9°N	68 2.2°W	6	115.18	0006	5110.	1157.	0000	10	3429	0			
KNR 102	1	0006	0000	26	83 514	31 9.9°N	68 2.2°W	6	115.18	0006	5110.	127.	0000	10	3429	0			
KNR 102	1	0007	0000	15	83 516	30 59.2°N	66 27.6°W	6	115.06	0007	4920.	973.	0000	10	4329	0			
KNR 102	1	0007	0000	26	83 516	30 59.2°N	66 27.6°W	6	115.06	0007	4920.	144.	0000	10	3389	0			
KNR 102	1	0008	0000	15	83 517	31 3.9°N	66 31.4°W	6	115.06	0008	4925.	1036.	0000	10	3422	0			
KNR 102	1	0008	0000	26	83 517	31 3.9°N	66 31.4°W	6	115.06	0008	4925.	133.	0000	10	3329	0			
KNR 102	1	0009	0000	15	83 519	31 31.7°N	65 40.8°W	6	115.15	0009	4708.	1030.	0000	10	3432	0			
KNR 102	1	0009	0000	26	83 519	31 31.7°N	65 40.8°W	6	115.15	0009	4708.	97.	0000	10	3332	0			
KNR 102	1	0010	0000	15	83 521	31 31.9°N	65 27.9°W	6	115.15	0010	4655.	1151.	0000	10	3322	0			
KNR 102	1	0010	0000	26	83 521	31 31.9°N	65 27.9°W	6	115.15	0010	4655.	127.	0000	10	3329	0			
KNR 102	1	0011	0000	15	83 522	32 22.0°N	63 40.0°W	6	115.23	0011	4440.	1139.	0000	10	3329	0			
KNR 102	1	0011	0000	26	83 522	32 22.0°N	63 40.0°W	6	115.23	0011	4440.	129.	0000	10	3322	0			
KNR 102	1	0012	0000	15	83 525	32 22.1°N	63 46.9°W	6	115.23	0012	4405.	1033.	0000	10	3731	0			
KNR 102	1	0012	0000	26	83 525	32 22.1°N	63 46.9°W	6	115.23	0012	4405.	5.	0000	10	3732	0			
KNR 102	1	0013	0000	15	83 527	33 42.5°N	67 26.0°W	6	115.37	0013	5130.	953.	0000	10	1329	0			
KNR 102	1	0013	0000	26	83 527	33 42.5°N	67 26.0°W	6	115.37	0013	5130.	137.	0000	10	1339	0			
KNR 102	1	0014	0000	15	83 528	33 32.5°N	67 24.0°W	6	115.37	0014	5085.	1139.	0000	10	4329	0			
KNR 102	1	0014	0000	26	83 528	33 32.5°N	67 24.0°W	6	115.37	0014	5085.	112.	0000	10	4329	0

0660

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNORR Cruise 102 Leg 1 Sta. 1 Core No. 1PC
 Total Length 1136 cm. Lat. 28°54.8'N Long. 70°56.7'W Depth 5370 (uncorr.)
 Core condition EXCELLENT Date Described 7-1-84 by A. PIERSON IV & S. DOWNEY
 Physiographic location HATTERAS ABYSSAL PLAIN

Lithologic Log

Detailed Description

0-1136

CALC-CLAY WITH DETRITUS

2.5 Y 4/2 dark grayish brown grades to 10 YR 3/3 dark brown and then grades to 5 Y 4/2 olive gray.

Turbidite sequence begins with 2.5 Y 4/2 dark grayish brown, very silty, compact lutite grading to a very smooth, compact lutite. Large graded beds in the following zones: 21-31 cm, 97-114 cm, 159-170 cm, 176-181 cm, 230-251 cm, 655-672 cm, 700-712 cm and 776-789 cm. Irregular silt layers in the following zones: 82-97 cm, 121-124 cm, 269-276 cm, 292-294 cm, 299-300 cm, 409-427 cm, 451-459 cm, 491-493 cm, 503-512 cm, 568-582 cm, 593-597 cm, 539-541 cm, 561-567 cm, 594-605 cm, 740-743 cm, 828-833 cm, 847-855 cm, 878-880 cm, 887-889 cm, 1065-1072 cm, 1117-1119 cm and 1127-1136 cm. Disturbed silt layer located between 933-972 cm.

VOIDS occur in zones: 219 - 228 cm, 621-624 cm and 833-843 cm.

S, Irregular and Concave contacts.
 END OF CORE.

0661

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship KNORR Cruise 102 Leg 1 Sta. 1 Core No. 1PC

Lithologic Log

Detailed Description

0662

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNORR Core No. 1 PC
 Expedition 102 Station No. 1
 Leg No. 1 Total Core Length 1136 cm

LEVEL (cm)	SEDIMENT TYPE	ESTIMATED ABUNDANCES (%)												
		Inorganic Material					Biogenous Material							
		Silt & Sand					Calcareous				Siliceous			
		Detrital grains	Micronodules	Pyrites	Volcanic shards	Clay	Forams	Nannofossils	Pteropods	Discoasters	Others	Diatoms	Radiolaria	Sponges
2	CALC CLAY W/DETRITUS	25	1	1	TR	66	2	3	-	-	2	TR	-	TR
100	CALC CLAY W/DETRITUS	25	1	2	TR	66	2	2	-	-	2	1	TR	-
200	CALC CLAY W/DETRITUS	28	3	1	TR	60	1	3	-	-	3	1	TR	-
299	CALC CLAY /DETRITUS	40	5	1	1	46	TR	2	-	TR	5	-	TR	-
400	CALC CLAY W/DETRITUS	22	2	1	TR	69	-	2	-	-	3	1	-	TR
496	CALC CLAY /DETRITUS	35	3	1	2	43	3	1	-	TR	8	2	1	1
600	CALC CLAY /DETRITUS	53	4	3	5	20	4	3	-	TR	5	2	TR	1
695	CALC CLAY W/DETRITUS	18	1	1	TR	73	TR	3	-	-	4	TR	-	TR
785	CALC CLAY /DETRITUS	65	5	4	3	18	4	1	-	-	4	-	-	-
900	CALC CLAY	12	1	TR	TR	78	TR	4	-	-	5	-	-	-
1000	HIGHLY CALC CLAY /DETRITUS	50	2	3	2	18	7	6	-	-	10	TR	-	2
1100	HIGHLY CALC CLAY W/DETRITUS	28	1	3	4	45	1	8	-	-	7	1	1	1
1135	CALC CLAY /DETRITUS	70	2	4	3	8	2	2	-	-	8	-	TR	1

0663

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNORR Cruise 102 Leg 1 Sta. 1 Core No. 1PG
 Total Length 118 cm. Lat. 28°54'N Long. 70°56.7'W Depth 5370 (uncorr.)
 Core condition EXCELLENT Date Described 7-1-84 by A. Pierson IV
 Physiographic location HATTERAS ABYSSAL PLAIN S. DOWNEY

Lithologic

Log

Detailed Description

0664

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNORR Core No. 1 PG 1
Expedition 102 Station No. 1
Leg No. 1 Total Core Length 118 cm

[illegible]

0665

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 2 Core No. 2PC
Total Length 914 cm. Lat. 28° 57.4' N Long. 31° 06.2' W Depth 5365
Core condition EXCELLENT Date Described 7-19-84 by L. PEIRSON
Physiographic location HATTERAS ABYSSAL PLAIN
Lithologic _____

0-473

THE MATRIX GRADES FROM UNFOSSILIFEROUS CLAY TO SLIGHTLY
CALC CLAY/DETRITUS, AND IS INTERCALATED WITH SILT
Each turbidite sequence consists of 10 YR 3/3 dark brown
sediment grading to 10 YR 3/2 very dark grayish brown
sediment.

Smooth, compact lutite with some patches of disturbed silt layers. Graded bedding located in the zones of 256-310 cm, 376-421 cm and 421-473 cm.

Core liner drag is evident in most of the silt layers, as nearly all of them are characterized by convex upward contacts.

S, Irregular.

473-910

THE MATRIX IS SLIGHTLY CALC CLAY WITH DETRITUS, AND IS ALSO INTERCALATED WITH SILT.

Each turbidite sequence consists of 2.5 Y 4/2 dark grayish brown sediment grading to 2.5 Y 3/2 very dark grayish brown sediment.

Smooth compact lutite grading to silt. This singular turbidite event occurs repetitively throughout the core. There are intercalated beds of clays and silts with the average thickness being ~20-30 cm. This layered and graded morphology occurs throughout the core and is characteristic of abyssal plain turbidites.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 2 PC
Expedition 102 Station No. 2
Leg No. 1 Total Core Length 914 cm

[illegible]

0667
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 2 Core No. 2 PG
Total Length 61 cm. Lat. 28° 57.4' N Long. 71° 06.2' W Depth 5365
Core condition EXCELLENT Date Described 7-19-84 by L. PEIRSON
Physiographic location HATTERAS ABYSSAL PLAIN

Lithologic Log

Detailed Description

Depth (cm)	Description
0-6	CALC CLAY WITH DETRITUS 10 YR 4/3 brown to dark brown grading to 10 YR 4/4 dark-yellowish brown. Smooth compact lutite grading to silt. S, Irregular.
6-27	CALC OOOZE 10 YR 5/3 brown grading to 10 YR 4/3 brown to dark brown. Smooth compact lutite. Zone of 10 YR 4/4 dark yellowish brown between 22-26 cm. S.
27-52	CALC OOOZE 10 YR 4/2 dark grayish brown. Smooth compact lutite grading to very silty lutite. S, H.
52-61	SILT 10 YR 5/3 brown. Compact silty lutite. END OF CORE.
61-66	SLT SLT SLT SLT SLT
66-71	SLT SLT SLT
71-76	SLT SLT SLT
76-81	SLT SLT SLT
81-86	SLT SLT SLT
86-91	SLT SLT SLT
91-96	SLT SLT SLT
96-101	SLT SLT SLT
101-106	SLT SLT SLT
106-111	SLT SLT SLT
111-116	SLT SLT SLT
116-121	SLT SLT SLT
121-126	SLT SLT SLT
126-131	SLT SLT SLT
131-136	SLT SLT SLT
136-141	SLT SLT SLT
141-146	SLT SLT SLT
146-151	SLT SLT SLT
151-156	SLT SLT SLT
156-161	SLT SLT SLT
161-166	SLT SLT SLT
166-171	SLT SLT SLT
171-176	SLT SLT SLT
176-181	SLT SLT SLT
181-186	SLT SLT SLT
186-191	SLT SLT SLT
191-196	SLT SLT SLT
196-201	SLT SLT SLT
201-206	SLT SLT SLT
206-211	SLT SLT SLT
211-216	SLT SLT SLT
216-221	SLT SLT SLT
221-226	SLT SLT SLT
226-231	SLT SLT SLT
231-236	SLT SLT SLT
236-241	SLT SLT SLT
241-246	SLT SLT SLT
246-251	SLT SLT SLT
251-256	SLT SLT SLT
256-261	SLT SLT SLT
261-266	SLT SLT SLT
266-271	SLT SLT SLT
271-276	SLT SLT SLT
276-281	SLT SLT SLT
281-286	SLT SLT SLT
286-291	SLT SLT SLT
291-296	SLT SLT SLT
296-301	SLT SLT SLT
301-306	SLT SLT SLT
306-311	SLT SLT SLT
311-316	SLT SLT SLT
316-321	SLT SLT SLT
321-326	SLT SLT SLT
326-331	SLT SLT SLT
331-336	SLT SLT SLT
336-341	SLT SLT SLT
341-346	SLT SLT SLT
346-351	SLT SLT SLT
351-356	SLT SLT SLT
356-361	SLT SLT SLT
361-366	SLT SLT SLT
366-371	SLT SLT SLT
371-376	SLT SLT SLT
376-381	SLT SLT SLT
381-386	SLT SLT SLT
386-391	SLT SLT SLT
391-396	SLT SLT SLT
396-401	SLT SLT SLT
401-406	SLT SLT SLT
406-411	SLT SLT SLT
411-416	SLT SLT SLT
416-421	SLT SLT SLT
421-426	SLT SLT SLT
426-431	SLT SLT SLT
431-436	SLT SLT SLT
436-441	SLT SLT SLT
441-446	SLT SLT SLT
446-451	SLT SLT SLT
451-456	SLT SLT SLT
456-461	SLT SLT SLT
461-466	SLT SLT SLT
466-471	SLT SLT SLT
471-476	SLT SLT SLT
476-481	SLT SLT SLT
481-486	SLT SLT SLT
486-491	SLT SLT SLT
491-496	SLT SLT SLT
496-501	SLT SLT SLT
501-506	SLT SLT SLT
506-511	SLT SLT SLT
511-516	SLT SLT SLT
516-521	SLT SLT SLT
521-526	SLT SLT SLT
526-531	SLT SLT SLT
531-536	SLT SLT SLT
536-541	SLT SLT SLT
541-546	SLT SLT SLT
546-551	SLT SLT SLT
551-556	SLT SLT SLT
556-561	SLT SLT SLT
561-566	SLT SLT SLT
566-571	SLT SLT SLT
571-576	SLT SLT SLT
576-581	SLT SLT SLT
581-586	SLT SLT SLT
586-591	SLT SLT SLT
591-596	SLT SLT SLT
596-601	SLT SLT SLT
601-606	SLT SLT SLT
606-611	SLT SLT SLT
611-616	SLT SLT SLT
616-621	SLT SLT SLT
621-626	SLT SLT SLT
626-631	SLT SLT SLT
631-636	SLT SLT SLT
636-641	SLT SLT SLT

0668

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 2 PG
Expedition 102 Station No. 2
Leg No. 1 Total Core Length 61 cm

[illegible]

0669

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNR Cruise 102 Leg 1 Sta. 3 Core No. 3PC
Total Length 1160 cm. Lat. 30° 15.0' N Long. 69° 35.0' W Depth 5265
Core condition EXCELLENT Date Described 7-23-84 by L. PIERSON
Physiographic location EASTERN EDGE OF HATTERAS ABYSSAL PLAIN
Lithologic _____ Detailed Description _____

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 3 Core No. 3PG
Total Length 145 cm. Lat. 30° 15.9' N Long. 69° 35.9' W Depth 5265
Core condition EXCELLENT Date Described 3-23-84 by L. PERSON
Physiographic location EASTERN EDGE OF HATTERAS ABYSSAL PLAIN
Lithologic Log Detailed Description

Detailed Description

0673

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR

Core No. 3 PG

Expedition 102

Station No. 3

Leg No. 1

Total Core Length 145 cm

[illegible]

0674

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 4 Core No. 4PC
Total Length 1065 cm. Lat. 30° 10.3' N Long. 69° 46.1' W Depth 5300
Core condition EXCELLENT Date Described 7-24-84 by L. PEIRSON
Physiographic location EASTERN EDGE OF HATTERAS ABBYSSAL PLAIN

Detailed Description

Depth Range (cm)	Description
0-160	UNFOSSILIFEROUS CLAY 10 YR 5/3 brown. Common 10 YR 4/4 dark yellowish brown mottling between 100-137 cm. Abundant micromodules in the zones of 1-15 cm, and 95-104 cm. Very smooth lutite. S, H.
160-296	UNFOSSILIFEROUS CLAY 10 YR 4/4 dark yellowish brown. Common 10 YR 4/3 brown to dark brown mottling throughout the zone. Abundant conglomeration of micromodules between 171-230 cm and 270-290 cm. Very smooth, compact lutite. G, H.
296-672	SLIGHTLY CALC CLAY GRADING TO UNFOSSILIFEROUS CLAY 10 YR 5/6 yellowish brown grades to 10 YR 5/4 yellowish brown. A common distribution of micromodules between 309-365 cm. 10 YR 4/1 dark gray scattered mottling in the zones 421-467 cm and 538-540 cm. Very smooth, compact lutite. G, H.
672-774	UNFOSSILIFEROUS CLAY 10 YR 6/4 light yellowish brown grading to 10 YR 5/4 yellowish brown. Scattered micromodules between 685-700 cm. 10 YR 4/1 dark gray mottling between 842-855 cm. Very smooth, compact lutite. G, H.
775-1065	SLIGHTLY CALC CLAY 10 YR 5/4 yellowish brown. Abundant conglomerations of micromodules in the zones of 780-837 cm, 932-976 cm. Scattered 10 YR 4/1 dark gray mottling between 983-1018 cm and 1056-1059 cm. Very smooth, compact lutite. END OF CORE.

0675

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 4 PC
Expedition 102 Station No. 4
Leg No. 1 Total Core Length 1065 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 4 Core No. 4PG
Total Length 14.5 cm. Lat. 30° 10.3' N Long. 69° 46.4' W Depth 5300
Core condition EXCELLENT Date Described 7-24-84 by L. PEIRSON
Physiographic location EASTERN EDGE OF HATTERAS ABYSSAL PLAIN
Lithologic

Detailed Description

Log

0-82

SLIGHTLY CALC CLAY GRADING TO UNFOSSILIFEROUS CLAY
10 YR 4/4 dark yellowish brown grades to 10 YR 5/4
yellowish brown.
Common distribution of 10 YR 3/2 very dark grayish brown
manganese micro-nodules throughout, with a noted
increase in their concentration between zone 17-27 cm.
Very smooth, compact lutite.
First penetration of a suspect pilot core rebound.
S, Concave upward.

82-145

Note: Remainder of the core is a nearly exact replica of information described above. Due to the slightly compacted nature of the material and the concave upward morphology of the unit contact, pilot core rebound is suspect.

100

150 — END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR

Core No. 4 PG

Expedition 102Station No. 4

Leg No. 1

Total Core Length 145 cm

[illegible]

0678
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNR Cruise 102 Leg 1 Sta. 5 Core No. SPC
Total Length 1021 cm. Lat. 31° 06.2' N Long. 68° 06.5' W Depth 5125
Core condition EXCELLENT Date Described 7-27-94 by A.L. Pienzen/s. Downey
Physiographic location WESTERN EDGE OF BERMUDA RISE

Lithologic
Log

Detailed Description

0679
VISUAL CORE DESCRIPTION

Page 2 of 2

Ship KNR Cruise 102 Leg 1 Sta. 5 Core No. SPC

Lithologic
Log

Detailed Description

0680

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 5 PC
Expedition 102 Station No. 5
Leg No. 1 Total Core Length 1091 cm

[illegible]

0681

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 5 Core No. 5PG
Total Length 129 cm. Lat. 31°06.2'N Long. 68°06.5'W Depth 5125
Core condition EXCELLENT Date Described 7-27-89 by A.L. Pierson / S. Downey
Physiographic location WESTERN EDGE OF BERMUDA RISE

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 5 PG
Expedition 102 Station No. 5
Leg No. 1 Total Core Length 129 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 6 Core No. 6PC
Total Length 1157 cm. Lat. 31° 09.9' N Long. 68° 02.2' W Depth 5110
Core condition EXCELLENT Date Described 8-15-84 by L. PEIRSON
Physiographic location WESTERN EDGE OF BERMUDA RISE

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

000.
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 6 Core No. 6 PG
Total Length 127 cm. Lat. 31° 09.9' N Long. 68° 02.2' W Depth 5110
Core condition EXCELLENT Date Described 8-15-84 by L. PERSON
Physiographic location WESTERN EDGE OF BERMUDA RISE
Lithologic _____

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 7 Core No. 7PC
Total Length 983 cm. Lat. 30° 59.2' N Long. 66° 27.6' W Depth 4920
Core condition EXCELLENT Date Described 8-15-84 by L. PEARSON
Physiographic location BERMUDA RISE

Lithologic

Detailed Description

Log

0-208
CALC OOZE
10 YR 4/4 dark yellowish brown grading to 10 YR 5/4 yellowish brown and then grading back to 10 YR 4/4 dark yellowish brown.
Scattered 10 YR 6/6 brownish yellow mottling and 10 YR 3/3 dark brown flecks scattered throughout the zone.
Smooth, compact lutite with a trace of forams.
G, Mottled.

208-242
CALC OOZE
10 YR 5/4 yellowish brown.
Scattered 10 YR 4/4 dark yellowish brown mottling in the zone. There is a trace of 10 YR 3/3 dark brown flecks between 229-232 cm.
Smooth, compact lutite with a trace of forams.
G, Mottled.

242-983
SLIGHTLY CLAC CLAY
10 YR 4/4 dark yellowish brown, grades to 10 YR 4/3 brown to dark brown, then grades to 10 YR 3/3 dark brown.
Scattered 10 YR 3/3 dark brown flecks throughout the zone.
Also, scattered 10 YR 6/6 brownish yellowing mottling.
Very smooth, compact lutite.
END OF CORE.

END OF CORE

0688

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 7 PC
Expedition 102 Station No. 7
Leg No. 1 Total Core Length 983 cm

[illegible]

0689

0003
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 7 Core No. 7 PG
Total Length 244 cm. Lat. 30° 59.2' N Long. 66° 27.6' W Depth 4910
Core condition EXCELLENT Date Described 8-15-84 by L. PEARSON
Physiographic location BERMUDA RISE

Lithologic

Detailed Description

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 7 PG
Expedition 102 Station No. 7
Leg No. 1 Total Core Length 144 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship KNR Cruise 102 Leg 1 Sta. 8 Core No. 8PC
Total Length 1036 cm. Lat. 31° 03.1' N Long. 66° 31.4' W Depth 4925m (corr)
Core condition EXCELLENT Date Described 9/15/84 by Paul Andrew
Physiographic location BERMUDA RISE

Lithologic

Detailed Description

CALC 00ZE
10 YR 6/4 light yellowish brown.
Common, banded, 10 YR 5.5/4 yellowish brown to light-
yellowish brown mottling in the zone 5-7 cm.
Slightly silty lutite with scattered forams.
VOID between 0-2 cm.
S. H.

NANNO OOZE
10 YR 8/2 white grades to 10 YR 7/3 very pale brown.
Slight inter-mixing/mottling occurs between the described "unit" colors in the gradational zone.
Slightly silty lute with foram concentrations grading from few to scattered.
A few very small mm-micronodules noted throughout.
G. Mottled.

29-255

CALC Ooze
10 YR 4/3 brown to dark brown thickly intercalated with
10 YR 5/4 yellowish brown.
Common inter-mixing/mottling occurs between the described
intercalated colors in the transitional zones.
Very slightly silty lutite with a few forams noted
throughout.
Scattered, anomalous 10 YR 6/4 light yellowish brown
mottling throughout, exhibiting a ringed to patchy mor-
phology.
G. Very Mottled.

255-373
CALC 00ZE
10 YR 7/3 very pale brown grades to 10 YR 8/3 very pale brown.
Scattered, small, ovoid mottling throughout, colored 10 YR 6/4 light yellowish brown.
Slightly silty lutite with a layer of graded foram sand noted between 370-373 cm.
Very small mm-micronodules noted throughout with concentrations grading from few to abundant.
Very S, Convex upward.

- 373-392
 CALC OOLITE.
 10 YR 7/4 very pale brown.
 Slight 10 YR 6/4 light yellowish brown mottling between
 373-380 cm.
 Slightly silty lutite with a few forams.
 A few mn-micronodules noted in the zones 373-378 cm and
 386-392 cm.
 G. Very mottled.

0692

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship KNR Cruise 102 Leg 1 Sta. 8 Core No. 8PC

Lithologic Log

Detailed Description

392-544

CALC OOOZE

10 YR 5/4 yellowish brown grading to 10 YR 5/3 brown. Common 10 YR 5/3 brown mottling noted in the zone 392-435 cm, with scattered distributions noted elsewhere. Slightly silty lutite with scattered forams. Anomalous 10 YR 6/4 light yellowish brown mottling noted throughout, exhibiting a vertically lineated to patchy morphology. Very G, Very Mottled.

544-619

CALC OOOZE

10 YR 8/2 White

Extensive burrowing and mottling noted in the zone 544-579 cm, scattered mottling elsewhere with the color of both zones being 10 YR 5/4 yellowish brown. Slightly silty lutite with a 1 mm thick layer of foram sand at 619 cm.

Very small mn-micronodules noted throughout. S, H.

619-630

CALC OOOZE

10 YR 6/4 light yellowish brown.

Slight, ovoid, 10 YR 8/4 very pale brown mottling throughout.

Slightly silty lutite with a few forams.

A few very small mn-micronodules noted between 627-630 cm. G, Mottled.

630-829

CALC CLAY

10 YR 5/4 yellowish brown thickly intercalated with 10 YR 4/3 brown to dark brown.

Common inter-mixing/mottling occurs between the described intercalated colors in the gradational zone.

Slightly silty lutite with a few forams.

A few anomalous patches of 10 YR 6/4 light yellowish brown sediment noted throughout. Also noted are a few mn-micronodules.

G, Mottled.

829-864

CALC OOOZE

10 YR 6/4 light yellowish brown grades to 10 YR 8/3 very pale brown.

Common mottling grades to scattered, with the noted color being 10 YR 5/4 yellowish brown.

Slightly silty lutite with a few forams.

Scattered, very small mn-micronodules throughout. S, Mottled.

0693

VISUAL CORE DESCRIPTION

Page 3 of 3

Ship KNR Cruise 102 Leg 1 Sta. 8 Core No. 8PC

Lithologic Log

Detailed Description

864-947

CALC OOOZE

10 YR 4/3 brown to dark brown grades to 10 YR 5/4 yellowish brown, changing back to 10 YR 4/3 after a 1 cm wide lamination of 10 YR 8/4 very pale brown noted at 934 cm.

Scattered, ovoid, 10 YR 7/4 very pale brown mottling noted throughout.

Slightly silty lutite with a few forams.

A break in the sediment, resulting in a VOID, noted within 910-916 cm.

G, H.

947-1036

SLIGHTLY CALC CLAY

10 YR 4/3 brown to dark brown.

FLOW-IN.

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 8 PC
Expedition 102 Station No. 8
Leg No. 1 Total Core Length 1036 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg. 1 Sta. 8 Core No. 8PG
Total Length 133 cm. Lat. 31° 03.9' N Long. 66° 31.4' W Depth 4925m (corr)
Core condition EXCELLENT Date Described 8/15/84 by Paul Andrew
Physiographic location BERMUDA RISE

Lithologic

Detailed Description

0696

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 8 PG
Expedition 102 Station No. 8
Leg No. 1 Total Core Length 133 cm

[illegible]

0697
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNR Cruise 102 Leg I Sta. 9 Core No. 9 PC
Total Length 1030 cm. Lat. 31° 31.7' N Long. 65° 40.8' W Depth 4708
Core condition EXCELLENT Date Described 8-21-84 by L. PEARSON
Physiographic location BERMUDA RISE

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship KNR Cruise 102 Leg 1 Sta. 9 Core No. 9Pc

Lithologic Log

Detailed Description

1000

END OF CORE

676-681

CALC OOZE
10 YR 8/2 white.
Foram sand.
S. H.

681-863

CALC 00ZE
10 YR 6/4 light yellowish brown grades to 10 YR 5/4
yellowish brown and then grades back to 10 YR 6/4.
Scattered, 10 YR 5/4 yellowish brown mottling.
Slightly silty lutite with a common distribution of
forams.
10 YR 3/3 dark brown flecks evident throughout the zone.
G. Mottled.

863-1030

CALC OOZE TO HIGHLY CALC CLAY
Intercalated 10 YR 4/3 brown to dark brown with 10 YR 6/4
light yellowish brown interbedded with thinner, more
distinct, disturbed layers of 10 YR 8/3 very pale brown
and 10 YR 5/1 gray.
Smooth, compact lutite with dispersed forams.
END OF CORE.

1200

0699

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR

Core No. 9 PC

Expedition 102Station No. 9

Leg No. 1

Total Core Length 1030 cm

[illegible]

VISUAL	CORE	DESCRIPTION
0.00		

Page 1 of 1

Detailed Description

Lithologic
100

100 - END OF CORE

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 9 PG 9
Expedition 102 Station No. 9
Leg No. 1 Total Core Length

[illegible]

0702
VISUAL CORE DESCRIPTION

Page 1 of 5

Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PC
Total Length 1151 cm. Lat. 31°31.9'N Long. 65°27.9'W Depth 4655 m (uncorr)
Core condition EXCELLENT Date Described 8/15/84 by Paul Andrew
Physiographic location BERMUDA RISE

Lithologic
Log

Detailed Description

0-5
CALC OOOZE
10 YR 6/3 pale brown.
Very silty lutite with very abundant forams.
Note: The top of the PC correlates to a depth of ~55 cm within the PG.
G, Very Disturbed.

5-20
CALC OOOZE
10 YR 5/3 brown grades to 10 YR 5.5/3 brown to pale brown.
Scattered, lineated, 10 YR 5/2 grayish brown flecks noted within 5-12 cm.
Slightly silty lutite with a few forams.
G, H.

20-30
CALC OOOZE
10 YR 6/3 pale brown.
Scattered but faint, 10 YR 5.5/3 brown to pale brown mottling noted throughout.
Very silty lutite with abundant forams.
S, H.

30-72
CALC OOOZE
10 YR 7/4 very pale brown.
Extensively mottled throughout with the dominant color being 10 YR 6/3 pale brown.
Silty lutite with a common foram distribution.
A disturbed zone of foram sand noted between 49-53 cm.
G, Very Mottled.

72-114
CALC OOOZE
7.5 YR 5/4 brown grades to 7.5 YR 6/4 light brown.
Scattered 10 YR 6/4 light yellowish brown mottling throughout.
Slightly silty lutite with a few forams, grades to very silty lutite with abundant forams.
S, I-20°.

114-119
CALC OOOZE
10 YR 6/3 pale brown.
Common mottling with 7.5 YR 6/4 light brown ovoids and 10 YR 5/3 brown flecks being the noted forams and colors.
Very silty lutite with abundant forams.
Very S, H.

119-125
FORAM SAND
N 9/0 white.
Foram sand.
Abundant very small black specks noted throughout.
Very S, H.

0703
VISUAL CORE DESCRIPTION

Page 2 of 5

Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PC

Lithologic
Log

Detailed Description

125-161
CALC OOOZE
10 YR 6/3 pale brown.
Common 7.5 YR 5.5/4 brown to light brown mottling occurs between 150-161 cm.
Silty lutite with foram concentrations grading from common to scattered.
A few 10 YR 5/2 grayish brown flecks noted throughout.
G, Mottled.

161-173
CALC OOOZE
10 YR 5/3.5 brown to yellowish brown.
Slight 10 YR 6/4 light yellowish brown mottling.
Silty lutite with a few forams.
A 7.5 YR 5/4 brown burrow spans the liner in the zone 162-163 cm.
G, Very Mottled.

173-203
NANNO OOOZE
10 YR 7/4 very pale brown.
Commonly mottled by 10 YR 8/3 very pale brown and 10 YR 6/4 light yellowish brown sediment.
Slightly silty lutite with scattered forams.
G, Very Mottled.

203-216
CALC OOOZE
10 YR 5/4 yellowish brown grades to 10 YR 5/3 brown.
Extensive, ovoid mottling throughout, colored 10 YR 7/4 very pale brown.
Silty lutite with a few forams.
G, Mottled.

216-281
SLIGHTLY CALC CLAY
10 YR 5.5/4 yellowish brown to light yellowish brown.
Common, ovoid, 10 YR 7/4 very pale brown mottling in the zone 216-248 cm.
Silty lutite with a few forams, grades to very silty lutite with abundant forams.
Very S, H.

281-290
FORAM SAND
10 YR 8/1 white.
A few texturally distinct mottles, composed of sediment from the above unit, noted within zone 282-283 cm.
Foram sand.
A few black specks noted throughout.
Very S, H.

0704

VISUAL CORE DESCRIPTION

Page 3 of 5Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PC

Lithologic Log

Detailed Description

290-339

SLIGHTLY CALC CLAY
5 YR 6/4 light reddish brown grades to 10 YR 6.5/3 pale brown to very pale brown.
Silty lutite with a few forams.
G, Mottled.

339-397

NANNO OOZE
10 YR 8/2 white.
Silty lutite with foram distributions grading from common to scattered.
A 1/2 cm wide, 10 YR 7/4 very pale brown burrow spans the liner at 362 cm.
G, Very Mottled.

397-454

NANNO OOZE
10 YR 7/3 very pale brown.
Scattered grading to common, hazy 10 YR 6/4 light yellowish brown mottling.
Silty lutite with foram distributions grading from scattered to common.
A thin lamination of foram sand noted at zone 431 cm.
G, H.

454-539

CALC OOZE
7.5 YR 6/4 light brown.
Common 7.5 YR 5/4 brown mottling noted between 477-507 cm.
Silty lutite with a common foram distribution.
G, Mottled.

539-559

NANNO OOZE
10 YR 6.5/3 pale brown to very pale brown.
Slight, 10 YR 7/4 very pale mottling throughout.
Foram sand grading rapidly to silty lutite with scattered forams.
Very S, H.

559-604

CALC OOZE
10 YR 7/4 very pale brown grades to 10 YR 6/4 light-yellowish brown grading to 10 YR 5/4 brown.
Common inter-mixing/mottling occurs between the described "unit" colors.
Silty lutite with a common foram distribution.
Anomalous 10 Y 8/3 very pale brown mottling within zone 568-600 cm, occurring in a common distribution.
G, Mottled.

0705

VISUAL CORE DESCRIPTION

Page 4 of 5Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PC

Lithologic Log

Detailed Description

604-688

NANNO OOZE
10 YR 7/3 very pale brown.
Common 10 YR 6/4 light yellowish brown mottling noted in the zones 604-624 cm, 636-653 cm and 673-687 cm.
Silty lutite with a common foram distribution.
This unit is terminated by a 1 cm wide layer of foram sand.
S, Irregular.

688-743

NANNO OOZE
10 YR 7/3 very pale brown.
Common 10 YR 6/4 light yellowish brown mottling occurs between zone 731-743 cm.
Silty lutite with a common foram distribution.
This unit is terminated by a 1 cm wide layer of foram sand.
Very S, H.

743-758

CALC OOZE
10 YR 5.5/4 yellowish brown to light yellowish brown.
Extensively mottled by 10 YR 7/4 very pale brown and 7.5 YR 5/4 brown sediment.
Very silty lutite with abundant forams.
S, H.

758-996

NANNO OOZE
10 YR 7/3 very pale brown.
Common mottling in the zones 795-824 cm, 851-898 cm, 922-954 cm and 983-993 cm with the noted colors changing from 7.5 YR 6/4 light brown to 10 YR 6/3 pale brown.
Silty lutite with a common foram distribution.
A few anomalous black specks scattered throughout.
Very S, H.

996-999

FORAM SAND
N 9/0 white.
Foram sand.
A few anomalous black specks scattered throughout.
Very S, Irregular.

999-1084

CALC OOZE GRADES TO NANNO OOZE
10 YR 6/4 light yellowish brown grades to 10 YR 7/3 very pale brown.
Scattered 10 YR 6/4 light yellowish brown mottling throughout.
Silty lutite with foram distributions grading from scattered to common.
A layer of foram sand, 1 cm wide, spans the liner at the basal contact.
Very S, H.

Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PC

Lithologic
Log

Detailed Description

1084-1151

CALC OOOE GRADES TO NANNO OOOE
10 YR 6/4 light yellowish brown grades to 10 YR 7/3 very
pale brown.
Scattered inter-mixing/mottling occurs between the des-
cribed unit colors in the gradational zone.
Silty lutite with foram distributions grading from
scattered to common.
A few anomalous black specks noted throughout.
END OF CORE.

0707

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR

Core No. 10 PC

Expedition 102Station No. 10

Leg No. 1

Total Core Length 1151 cm

[illegible]

VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 10 Core No. 10PG
Total Length 127 cm. Lat. 3° 31.9' N Long. 65° 27.9' W Depth 4655 m (uncorr)
Core condition EXCELLENT Date Described 8/13/84 by Paul Andrew
Physiographic location BERMUDA RISE

Lithologic
Log

Detailed Description

0-25

CALC OOZE

10 YR 6/3 pale brown.

Slight 10 YR 5/3 brown mottling noted between 4-7 cm.

Silty lutite with a common foram distribution.

A layer of 10 YR 8/1 white foram sand occurs within the zone 7-13 cm.

G, Mottled.

25-65

CALC CLAY

10 YR 5/3 brown.

Scattered, lined to banded, 5 YR 5/3 reddish brown mottling noted throughout, but most dominant in the zone 25-44 cm.

Silty lutite with a few forams.

G, Mottled.

-55-82

CALC 00ZE

5 YR 5/2 reddish gray grades to 10 YR 6/3 pale brown.

Scattered inter-mixing/mottling occurs between the described "unit" colors in the gradational zone.

Very silty lutite with abundant forams.

A scattered distribution of 10 YR 5/4 yellowish brown flecks noted throughout.

G, Mottled

82-101

CALC OOZE

10 YR 7/4 very pale brown.

Extensive mottling throughout with the dominant color being 10 YR 6/3 pale brown.

Silty lutite with a common foram distribution.
S. H.

7

101-127

END OF CORE

THE REMAINDER OF THE CORE IS A VERY COMPACT, EXACT REPLICA
OF THE SEDIMENT DESCRIBED ABOVE IN THE ZONE 0-93 cm,
THUS PILOT CORE REBOUND IS SUSPECTED.
END OF CORE.

0709

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Shlp: KNR

Core No. 10 PG

Expedition 102

Station No. 10

Leg No. 1

Total Core Length 127 cm

[illegible]

0710
VISUAL CORE DESCRIPTION

Page 1 of 4

Ship KNR Cruise 102 Leg 1 Sta. 11 Core No. 11PC
Total Length cm. Lat. 32° 22.0' N Long. 63° 40.0' W Depth 4440 m (uncorr)
Core condition EXCELLENT Date Described 8/20/84 by Paul Andrew
Physiographic location E. FLANK, BERMUDA RISE

Lithologic Log

Detailed Description

0711
VISUAL CORE DESCRIPTION

Page 2 of 4

Ship KNR Cruise 102 Leg 1 Sta. 11 Core No. 11PC

Lithologic Log

Detailed Description

0712

VISUAL CORE DESCRIPTION

Page 3 of 4

Ship KNR Cruise 102 Leg 1 Sta. 11 Core No. 11 PCLithologic
Log

Detailed Description

453-535

NANNO OOZE

10 YR 7/3 very pale brown grades to 10 YR 6/4 light yellowish brown.

Common 10 YR 5.5/4 brown to yellowish brown mottling in the zone 487-500 cm.

Silty lutite with a common foram distribution.
G, Very Mottled.

535-584

CALC OOZE

7.5 YR 5/4 brown.

10 YR 6/4 light yellowish brown mottling noted, with concentration grading from common to slight.

Slightly silty lutite with scattered forams.
G, Mottled.

584-611

CALC OOZE

10 YR 6/4 light yellowish brown.

Slight 7.5 YR 6/4 light brown mottling throughout.

Silty lutite with a common distribution of forams.
G, Mottled.

611-716

NANNO OOZE INTERCALATED WITH CALC OOZE

10 YR 7/4 very pale brown intercalated with mixed beds of 7.5 YR 6/4 and 5/4 light brown and brown, respectively.

Common to extensive, inter-mixing/mottling occurs between the described "unit" colors.

Silty lutite with a common distribution of forams.

A slight, anomalous 10 YR 8/3 very pale brown mottling noted throughout, along with scattered, small black specks. (Mn-micronodules?)

G, Mottled

716-804

NANNO OOZE

10 YR 7/3 very pale brown.

Extensive 10 YR 6/3 pale brown mottling noted in the zones 716-722 cm and 745-759 cm, scattered to common distributions noted elsewhere.

Slightly silty lutite with scattered forams.

A large (1 cm x 1/2 cm) lath of pyrite noted at 740 cm.
G, Mottled.

804-984

NANNO OOZE INTERCALATED WITH CALC OOZE

10 YR 7/3 very pale brown intercalated with mixed beds of 10 YR 6/4 light yellowish brown and 7.5 YR 5/4 brown.

Common to extensive, inter-mixing/mottling occurs between the described "unit" colors.

Slightly silty lutite with scattered forams.

A 1/2 cm diameter "chip" of lithified forams, cemented by pyrite noted at 826 cm.

G, H.

0713

VISUAL CORE DESCRIPTION

Page 4 of 4

Ship KNR Cruise 102 Leg 1 Sta. 11 Core No. 11 PCLithologic
Log

Detailed Description

984-1139

NANNO OOZE INTERCALATED WITH CALC OOZE

10 YR 7/3 very pale brown intercalated with, dominantly, 10 YR 6/3 pale brown.

Common to extensive, inter-mixing/mottling occurs between the described "unit" colors.

Slightly silty lutite with scattered forams.

A pyritized worm burrow noted at 1020 cm. Otherwise, scattered black specks noted throughout, except for the zone 1005-1020 cm where they are noted as abundant. (Mn-micronodules?)

END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 11 PC
Expedition 102 Station No. 11
Leg No. 1 Total Core Length 1139 cm

[illegible]

0715
VISUAL CORE DESCRIPTION

Page 1 of 1

Ship KNR Cruise 102 Leg 1 Sta. 11 Core No. 11PG
Total Length 96 cm. Lat. 32° 22.0' N Long. 63° 40.0' W Depth 4440m (uncorr)
Core condition EXCELLENT Date Described 8/20/84 by Paul Andrew
Physiographic location E. FLANK, BERMUDA RISE

Lithologic

Detailed Description

CALC OOZE

10 YR 6/3 pale brown.
Slight 10 YR 5/2 grayish brown mottling in the zone 0-5 cm.
Silty lutite with a common foram distribution.
A disturbed layer of foram sand noted between 5-8 cm.
G. Mottled.

CALC CLAY

10 YR 5/3 brown.
Slight, 10 YR 5.4 yellowish brown flecks noted within the zone 38-49 cm.
Silty lutite with scattered forams.
This unit is composed of faintly laminated "off-brown" colors with slight hue variations ranging from gray to reddish.
S. I-10°.

CALC Ooze

10 YR 5.5/3 brown to pale brown.
Very silty lutite with very abundant forams throughout.
G, Mottled.

CALC 00ZE

10 YR 6/3 pale brown grades irregularly to 10 YR 5.5/3
brown to pale brown.
Common inter-mixing/mottling occurs between the described
"unit" colors.
Very silty lutite with abundant forams.
A 3mm wide burrow spans the liner within the zone 60-62 cm,
I-30°.
G. Mottled

CALC 00ZF

10 YR 7/4 very pale brown grades irregularly to 10 YR
6/3 pale brown.
Common inter-mixing/mottling occurs between the described
"unit" colors.
Silty lutite with a common distribution of forams.
Two, parallel, 3mm wide burrows span the liner between
78-85 cm, I-45°.
END OF CORE.

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

[illegible]

Page 1 of 2

Lithologic Log	Detailed Description
0-3	VOID
3-36	FORAM SAND 10 YR 7/2 light gray. Graded foram sand. Disturbed, core liner drag between 36-55 cm.
36-132	CALC OOZE 10 YR 5/3 brown grading to 10 YR 5/4 yellowish b 10 YR 3/3 dark brown flecks scattered throughout the zone. Silty lutite with a common distribution of forams changing to a smoother lutite with scattered forams. G.
132-192	CALC OOZE 10 YR 5/2 grayish brown grades to 10 YR 6/3 pale brown. Scattered 10 YR 4/3 brown to dark brown and 10 YR 6/3 pale brown mottling in the zone of 155-191 cm. Silty lutite with a common distribution of forams throughout the zone. Two foram sand deposits at 160 cm due to core liner drag. S, Mottled.
192-282	CALC OOZE 10 YR 6/4 light yellowish brown. Scattered 10 YR 7/4 very pale brown mottling throughout and 10 YR 4/3 brown to dark brown mottling between 275-282 cm. Silty lutite with an abundant distribution of forams. S, Mottled.
282-312	HIGHLY CALC CLAY 7.5 YR 5/4 brown. Silty lutite with abundant forams throughout. S, Mottled.
312-332	CALC OOZE 10 YR 6/3 pale brown. Scattered 10 YR 6/4 light yellowish brown mottling throughout the zone. Slightly silty lutite with scattered forams.
332-341	FORAM SAND 10 YR 8/1 white. Foram sand. S, H.
341-472	CALC OOZE 10 YR 6/3 pale brown grades to 10 YR 6/4 light yellowish brown. Scattered 10 YR 5/4 yellowish brown mottling throughout the zone, with a concentration at 375-432 cm. Silty lutite with a common distribution of forams throughout. S, Mottled.

END OF CORE 1033 cm

0720

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNR Cruise 102 Leg 1 Sta. 13 Core No. 13PC
 Total Length 953 cm. Lat. 33°42.5'N Long. 67°26.0'W Depth 5130 m (com)
 Core condition EXCELLENT Date Described 8/21/84 by Paul Andrew
 Physiographic location BERMUDA RISE, H.F. SITE #7

Lithologic
Log

Detailed Description

0721

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship KNR Cruise 102 Leg 1 Sta. 13 Core No. 13PC

Lithologic
Log

Detailed Description

0722

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR Core No. 13 PC
Expedition 102 Station No. 13
Leg No. 1 Total Core Length 953 cm

[illegible]

0723

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship KNR Cruise 102 Leg 1 Sta. 13 Core No. 13PG
Total Length 137 cm. Lat. 33°42.5' N Long. 67°26.0' W Depth 5130m (corr.)
Core condition EXCELLENT Date Described 3/31/84 by Paul Andrew
Physiographic location BERMUDA RISE, H.F. SITE #7.
Lithologic _____ Detailed Description _____

Detailed Description

Depth (cm)	Lithologic Log	Detailed Description
0-22	CALC Ooze 10 YR 6/3 pale brown. Slight 10 YR 5/2 grayish brown mottling noted throughout. Silty lutite with a common foram distribution. G, H.	
22-68	CALC Ooze 10 YR 5/3.5 brown to yellowish brown. Scattered mottling, dominantly colored 10 YR 7/4 and 6/3, very pale brown and pale brown, respectively. Very silty lutite with a common foram distribution. G, Mottled.	
68-83	UNFOSSILIFEROUS CLAY 2.5 Y 6/4 light yellowish brown. Extensive 10 YR 4/1 dark gray mottling in the zone 79-82 cm, with a scattered distribution noted elsewhere. Slightly silty lutite. This unit has a slightly semi-lithified, lumpy texture. S, H.	
83-114	UNFOSSILIFEROUS CLAY 10 YR 6/6 brownish yellow grades to 2.5 Y 6/4 light yellowish brown. Many thin (1 mm wide) laminations noted between 83-96 cm, dominantly colored 10 YR 5/6 yellowish brown and 2.5 Y 4/4 olive brown. Silty lutite. Scattered, anomalous black specks occur between 87-108 cm and 110-114 cm (mn-micronodules?). Also, a few semi-lithified lumps noted throughout. S, I-5°.	
114-120	UNFOSSILIFEROUS CLAY 2.5 Y 7/2 light gray. A few 2.5 Y 5/6 light olive brown mottles are noted. Slightly silty lutite. Abundant small black specks noted throughout (Mn-micronodules?). S, Disturbed Concave Upward.	
120-137	Note: The remainder of the core is an exact, but very compact, replica of the sediment described above in the zone ~60-90 cm, thus pilot core rebound is suspected. Due to excellent stratigraphic correlation between the P.C. and P.G., a few basics of coring mechanics become clearly evident.	

END OF CORE

0724

Page 2 of 2

Ship KNR Cruise 102 Leg 1 Sta. 13 Core No. 13 PG

Lithologic Log

Detailed Description

120-137 - Cont'd

The noted features are:

1. Pilot core rebound, determinable by a) repetition of unique stratigraphy, b) a sharp, disturbed, and often concave-upward oriented basal contact noted between the first and second penetration and c) a very compacted nature to the REpenetrated sediment.

2. The surface sediment is often "lost" in the P.C. (In this case, a minimum of 11 cm of surface sediment was not sampled by the P.C.)

3. With the occurrence of pilot core rebound, the P.G. is generally overall more compact when compared with the P.C.
END OF CORE.

0725

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: KNR

Core No. 13 PC

Expedition 102

Station No. 13

Leg No. 1

Total Core Length 137 cm

[illegible]

0731

*****STATION DATA RETRIEVAL
DATE: 1-FEB-85 15:17*****
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1

CRUISE SHIP	LEG	STATION	SAMPLE NUMBER	DE- VICE	DATE YR MO DA	LATITUDE	LONGITUDE	TYPE	MARS- DEN	CORE OR DREDGE NUMBER	DEPTH	CORE LENGTH OR END	DREDGE OR SAMPLE WEIGHT	PHYSIO- GRAPHIC PROV.	ROCK OR SED. VITA	REMARKS
SHK 381	1	0001	0000	15	811127	40 44.1'N	4 52.8'E	9	180.04	0001	2600.	628.	0000	10	0000	0
SHK 381	1	0002	0000	15	811211	40 14.5'N	11 17.6'E	9	179.01	0002	2654.	826.	0000	10	0000	0
SHK 381	1	0002	0000	26	811211	40 14.5'N	11 17.6'E	9	179.01	0002	2654.	144.	0000	10	0000	0
SHK 381	1	0003	0000	15	82 1 6	39 24.3'N	12 56.7'E	9	143.92	0003	3566.	794.	0000	10	0000	0
SHK 381	1	0003	0000	26	82 1 6	39 24.3'N	12 56.7'E	9	143.92	0003	3566.	142.	0000	10	0000	0

0732

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship SHK Cruise 3-81 Leg 1 Sta. 1 Core No. 1PC
 Total Length 628 cm. Lat. 40° 00.44' N Long. 4° 52.82' E Depth 2600 m (corr)
 Core condition EXCELLENT Date Described 5/23/89 by Paul Andrew
 Physiographic location PROVENCAL BASIN

0733

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship SHK Cruise 3-81 Leg 1 Sta. 1 Core No. 1PC

0736

VISUAL CORE DESCRIPTION

Page 1 of 3

Ship SHK Cruise 3-81 Leg 2 Sta. 1 Core No. 27C
 Total Length 826 cm. Lat. 40°19.53'N Long. 11°17.64'E Depth 2654 m (com)
 Core condition EXCELLENT Date Described 7/23/81 by Paul Andrew
 Physiographic location TYRRHENIAN SEA

Lithologic Log

Detailed Description

0737

VISUAL CORE DESCRIPTION

Page 2 of 3

Ship SHK Cruise 3-81 Leg 2 Sta. 1 Core No. 27C

Lithologic Log

Detailed Description

0740

VISUAL CORE DESCRIPTION

Page 1 of 2

Ship SHK Cruise 3-81 Leg 2 Sta. 1 Core No. 2PG
 Total Length 144 cm. Lat. 40° 14.53' N Long. 11° 17.64' E Depth 2654 m (core)
 Core condition EXCELLENT Date Described 7/23/84 by Paul Andrew
 Physiographic location TYRRHENIAN SEA

Lithologic
Log

Detailed Description

CALC OOZE
 2.5 Y 6/4 light yellowish brown.
 Slight 10 YR 5/6 yellowish brown mottling occurs with a
 lineated morphology in the zone 1 1/2 - 2 1/2 cm.
 Very silty lutite grades abruptly to silt.
 Graded bedding.
 S, H.

CALC OOZE
 2.5 Y 7/2 light gray.
 Zones of slight, lineated, mottling occur within 5-9 cm,
 13-15 cm, 20-26 cm and 32-34 cm. The first two zones
 are colored 2.5 Y 6/2 light brownish gray and the
 remaining zones are dominantly 10 YR 6/2 light brownish
 gray.
 Slightly silty lutite with scattered forams and shell
 fragments throughout the mottled areas.
 A 3 mm wide silt layer spans 3/4 of the liner at ~20 cm.
 Also, a 3 mm wide lamination of pteropod sand spans
 the liner within the zone 13-14 cm.
 S, H.

CALC OOZE
 10 YR 6/2.5 light brownish gray to pale brown.
 Some slightly darker laminations occur in the first 1 cm
 of the unit.
 Very silty lutite with a common distribution of shell and
 foram fragments.
 S, Irregular.

CALC OOZE
 2.5 Y 7/4 pale yellow.
 The matrix color becomes a minor component between the
 intercalations of 10 YR 6/4 light yellowish brown sedi-
 ment noted in the zone 46-51 cm.
 Silty lutite with common amounts of shell and foram frag-
 ments noted in the zone 46-52 cm.
 A wedge-shape layer of silt spans the liner in the zone
 50-51 cm, dominantly colored 10 YR 3/3 dark brown.
 S, H.

CALC OOZE
 2.5 Y 7/3 light gray to pale yellow.
 Slight, lineated, 2.5 Y 6/2 light brownish gray mottling
 throughout, intermixed with 10 YR 3/1 very dark gray
 flecks.
 Slightly silty lutite. A common distribution of shell
 and foram fragments noted in the zones 55-56 cm and
 58-61 cm.
 Very S, H. END OF FIRST PENETRATION (see note below).

0741

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship SHK Cruise 3-81 Leg 2 Sta. 1 Core No. 2PG

Lithologic
Log

Detailed Description

66-144 END OF CORE.

Note: This PG is a very fine example of pilot core rebound. The unique stratigraphy of this core makes clear the evidence of P.G. rebound due to the repetition of characteristic stratigraphic units, along with compaction of these units relative to the initial penetration. In this case, the previously described stratigraphy repeats itself starting at a depth of 66 cm and is in exact replication to the first penetration down to a depth of 100 cm. From 100-144 cm, the stratigraphy is similar but contains greater abundances of shell fragments and forams. Also, most of the unique coloration, noted in the last two units of the first multiple, are evident in the second multiple.

0742

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: SHK Core No. 2 PG
Expedition 3.81 Station No. 1
Leg No. 2 Total Core Length 144 cm

[illegible]

0743
VISUAL CORE DESCRIPTION

Page 1 of 5

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PC
Total Length 794 cm. Lat. 39°24.3'N Long. 12°56.79'E Depth 3566m (corr.)
Core condition EXCELLENT Date Described 7/27/84 by Paul Andrew
Physiographic location TYRRHENIAN SEA

Lithologic

Detailed Description

0744

VISUAL CORE DESCRIPTION

Page 2 of 5

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PC

Lithologic Log

Detailed Description

0745

VISUAL CORE DESCRIPTION

Page 3 of 5

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PC

Lithologic Log

Detailed Description

0746

VISUAL CORE DESCRIPTION

Page 4 of 5

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PC

Lithologic Log

Detailed Description

499-527

CALC Ooze

Intercalations of 10 YR 7/2 light gray and 2.5 Y 6/2 light-brownish gray.

Common 2.5 Y 5/2 grayish brown flecking in the zone 499-503 cm.

Silty lutite with scattered shell (foram and pteropods?) fragments.

The light brownish gray zones have a semi-lithified texture. S, Convex upward.

527-534

CALC Ooze

Intercalated 2.5 Y 8/2, 7/4 and 6/4, white, pale yellow and light yellowish brown, respectively.

Slight inter-mixing/mottling occurs between the intercalated colors.

Silty lutite with a common foram distribution. G, I - 24°.

534-560

CALC Ooze

2.5 Y 7/2 light gray.

Irregularly banded, 2.5 Y 6/2 light brownish gray mottling noted in the zone 539-560 cm with a tilted, convex upward, morphology.

Very silty lutite with abundant foram and shell fragments, throughout. G, I - 45°.

560-647

CALC Ooze

2.5 Y 6.5/2 light brownish gray to light gray.

Slight, faint, banded 2.5 Y 6/2 light brownish gray mottling throughout. The bands are I - 45°.

Very silty lutite with a common distribution of pteropods and forams.

A few, small (1 cm dia.) pockets of silt occur in the zone 594-599 cm, while scattered semi-lithified lumps of lutite occur throughout.

Inferred, between section #1 and section #2.

647-679

CALC Ooze

2.5 Y 7/2 light gray.

A (I-45°) 2.5 Y 8/2 white layer spans the liner in the zone 647-656 cm.

Very silty lutite with abundant small foram and shell fragments throughout.

S, Irregular

0747

VISUAL CORE DESCRIPTION

Page 5 of 5

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PC

Lithologic Log

Detailed Description

679-687

CALC CLAY

2.5 Y 6.5/2 light brownish gray to light gray.

Silty lutite with a more compact, "semi-lithified-like" texture than the surrounding units.

G, Irregular.

687-794

CALC Ooze

Thin (ranging from 2 mm to 5 cm in width) intercalations of 2.5 Y 8/2, 7/2, 6/2 and 6/4, white, light gray, light-brownish gray and light yellowish brown, respectively.

Some slight inter-mixing/mottling occurs between the intercalated layers. However, the layers are mostly distinct and separate.

Silty lutite with a common distribution of very small forams.

A vertical, disjointed, silt-filled burrow occurs in the zone 727-752 cm. Also, a 2.5 Y 6/3 light yellowish brown to light brownish gray patch of semi-lithified sediment spans 1/2 of the liner within the zone 760-772 cm. A curious core disturbance is noted by the observance of the contacts of individual layers, which have a "guyot-like" shape.

END OF CORE.

0748

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: SHK Core No. 3 PC
Expedition 3.81 Station No. 1
Leg No. 3 Total Core Length 794 cm

[illegible]

0749

011
VISUAL CORE DESCRIPTION

Page 1 of 2

Ship SHK Cruise 381 Leg 3 Sta. 1 Core No. 3PG
Total Length 142 cm. Lat. 39° 24.3' N Long. 12° 56.78' Depth 3566 m (corr)
Core condition EXCELLENT Date Described 7/27/84 by Paul Andrew
Physiographic location TYRRHENIAN SEA

Lithologic

Detailed Description

VISUAL CORE DESCRIPTION

Page 2 of 2

Ship SHK Cruise 3-81 Leg 3 Sta. 1 Core No. 3PG

Lithologic Log

Detailed Description

116-121

CALC OOZE
10 YR 5/3 brown.
Silty lutite.
Very S. H.

121-133

CALC OOZE
2.5 Y 7/2 light gray.
Very silty lutite.
Very S, H.

133-134

CALC Ooze
10 YR 5/3 brown.
Slight 2.5 Y 5/4 light olive brown mottling with a lineated
morphology.
Slightly silty lutite.
Very S, Disturbed.

134-142

CALC Ooze
2.5 Y 7/4 pale yellow.
Slightly silty lutite.
This unit is semi-lithified within the zone 137-139 cm.
END OF CORE.

0751

SMEAR SLIDE DESCRIPTIONS - W.H.O.I. SEDIMENT CORES

Ship: SHK

Core No. 3 PG

Expedition 3.81

Station No. 1

Leg No. 3

Total Core Length 142 cm

[illegible]

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