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UNITED STATES COAST GUARD
OCEANOGRAPHIC
REPORT No. 32

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OCEANOGRAPHIC OBSERVATIONS

NORTH ATLANTIC STANDARD MONITORING SECTIONS

1964-1966

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UNITED STATES COAST GUARD
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UNITED STATES COAST GUARD OCEANOGRAPHIC UNIT

REPORT No. 32 ^{CG 373-32}

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NORTH ATLANTIC STANDARD MONITORING SECTION

1964-1966

David M. Husby

DEDICATION

This report, the first on the Coast Guard's Standard Section Monitoring Program, is dedicated to James W. McGary, Director of Oceanography of the Coast Guard Oceanographic Unit from 1964 until his death in September 1968. Born in Mercer County, Pa., he received a bachelor's degree in education in 1939 from Pennsylvania State Teachers College in Slippery Rock, Pa.; a bachelor's degree in engineering from the U.S. Coast Guard Academy in 1942, and a master's degree in physical oceanography from Johns Hopkins University in 1952. In World War II, he served with the Coast Guard in the Atlantic and Pacific theaters. He remained in the Coast Guard Reserve, attaining the rank of Commander. After the war, he taught school until becoming an oceanographer at the Honolulu Biological Laboratory of the U.S. Fish and Wildlife Service and then was employed by the Office of Naval Research prior to appointment as the first Director of the Coast Guard Oceanographic Unit.

Jim McGary created the Coast Guard's Standard Section Monitoring Program. This program was initiated and developed under his guidance and must rank as one of his most important contributions in the field of oceanography. In his memory, the Standard Section Monitoring Program will continue to make best use of Coast Guard cutters en route to and from ocean stations by collecting vast amounts of oceanographic data that will immeasurably add to knowledge about our major current systems in the North Atlantic and North Pacific Oceans.

ABSTRACT

This report contains the observed and interpolated oceanographic data obtained by U.S. Coast Guard vessels on six Standard Monitoring Sections in the North Atlantic during 1964 through 1966. The Standard Section Monitoring Program was initiated by the U.S. Coast Guard in 1964 to provide for the systematic collection, compilation, and presentation of oceanographic data in the major current systems of the North Atlantic. A discussion of the data collection methods, data treatment, and a tabulation of the data along with vertical sections of temperature, salinity, and solenoidal volume flow are presented in this report.

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INTRODUCTION

In November 1964, the USCGC MENDOTA (WHEC 69) occupied a line of oceanographic stations from the eastern Grand Banks to the south-east across the main core of the Labrador Current. This was the beginning of the U.S. Coast Guard's "Standard Section" Monitoring Program in the North Atlantic. It has long been recognized that our knowledge of large-scale variations in oceanic circulation, e.g., eddy processes, is very limited. Large-scale problems such as this need a large volume of long-term observations for their solution. In fulfillment of this objective, the U.S. Coast Guard initiated a program to provide for the systematic collection, compilation, and presentation of oceanographic data in the major current systems of the western North Atlantic. Seven sections in the North Atlantic were selected to be monitored by U.S. Coast Guard ocean station vessels; the two oceanographic vessels, the USCGC EVERGREEN (WAGO 295) and the USCGC ROCKAWAY (WAGO 377); and icebreakers on an opportunity basis.

The sections were selected to include the most dynamic areas possible and still be somewhat consistent with the normal tracks of the ocean station vessels (fig. 1). In most cases, the sections are normal to and include the main axis of a major current. Sections 1, 2, and 3 extend across the main core of the Labrador Current and occupation of these sections will result in a valuable input for the long-range forecasting of ice conditions on the Grand Banks. During the months of April, May, and June, the USCGC EVERGREEN occupies these sections in direct support of international Ice Patrol research. In fact, section 1 has been occupied nearly annually since 1928 as part of a larger section extending from near South Wolf Island, Labrador, to Cape Farewell, Greenland (Bush, et al., 1957).

Section 4 extends from the southern Grand Banks southward across the Labrador Current, across the mixed waters of the Labrador Current and into the North Atlantic Current. Data from this section could indicate the boundaries of these currents and their relative strengths in the dynamic area where the Arctic waters of the Labrador meet the subtropical waters of the Gulf Stream.

Sections 5, 6, and 7 encompass the region from Cape Kennedy to the Gulf of Maine and between the continental shelf and the deep offshore waters.

Data from these sections will provide information in the study of the Florida Current, Gulf Stream and North Atlantic Current systems.

The utilization of the ocean station vessels which routinely collect oceanographic data at four locations in the North Atlantic, allows a nearly synoptic observational program of the Labrador and North Atlantic Current systems. The ultimate goal is a monthly occupation of sections 2 through 5, seasonal occupation of sections 6 and 7, and occupation of section 1 as ice conditions permit. This sampling program was severely curtailed in 1965 by the shortage of deep-sea reversing thermometers.

DATA COLLECTION

A total of 32 ocean station vessels and the two U.S. Coast Guard Oceanographic vessels, USCGC EVERGREEN and USCGC ROCKAWAY, are equipped to participate in the Standard Section Program. The OSV's occupy a section en route from a particular ocean station, as scheduling permits. Each vessel has at least a minimum of the equipment necessary to conduct Nansen bottle casts, make salinity determinations and collect bathymetric and meteorological data. The vessels are now being equipped with the in situ Salinity/Temperature/Depth Sensor Systems (STD). Observations are made by trained oceanographic technicians who are graduates of the U.S. Coast Guard Training Center's Oceanography School, formerly at Groton, Connecticut.

The USCGC EVERGREEN was equipped with the STD system in 1966 and made the first successful use of the STD system on the Standard Sections on the Gulf Stream-Labrador Current Survey during October-November 1966, which will be discussed later.

STATION OBSERVATIONS

1. At the majority of the stations, the maximum sampling depth is 1,500 meters or as near the bottom as is practicable if the water depth is less than 1,500 meters. In the offshore areas sampling is extended to as close to the bottom as possible at 180 to 200 mile intervals. For the 1,500 meter casts, the sampling depths, in general, are 0, 25, 50, 100, 150, 200, 300, 400, 500, 600, 800, 1000, 1250 and 1,500 meters. Water temperature and salinity are measured at each sampling depth.

2. Temperatures are measured by deep-sea reversing thermometers of the Richter and Wiese, Yoshino Keike, and Kessler makes. Two protected

thermometers are used on each Nansen bottle. At least five bottles from 200 to 1,500 meters have an unprotected thermometer in conjunction with the protected thermometers for the thermometric determination of sampling depths. In situ temperatures are determined by the average of the corrected readings of the protected thermometers. The maximum difference tolerated between the two readings is $\pm 0.040^\circ\text{C}$.

3. Samples of water are drawn from each Nansen bottle for the determination of salinity aboard ship. Duplicate samples are drawn from the top and bottom Nansen bottle in each cast and delivered to the U.S. Coast Guard Oceanographic Unit for quality control comparisons. The salinities are determined aboard ship by Model 6220 inductive salinometers manufactured by the Bisset-Berman Corp. These instruments have a probable accuracy, as stated by the manufacturer, of $\pm 0.003\%$.

DATA TREATMENT

The data for each station, including temperature, salinity, and depth, are encoded and transmitted to U.S. Coast Guard Oceanographic Unit, Washington, D.C., via radio teletype for real-time data processing and quality control. The temperature data are transmitted immediately after the observations are made while the salinities are usually transmitted within 3 days of observation. The U.S. Coast Guard Oceanographic Unit processes these data with a Digital Equipment Corp. PDP-5 computer. Nansen cast temperatures are corrected at U.S. Coast Guard Oceanographic Unit and transmitted to the Fleet Numerical Weather Facility, Monterey, California, within 12 hours of observation for use in forecasting oceanographic conditions.

Values of density (σ_t) and dynamic heights based on the 1,000 decibar level are determined at each sample depth. The U.S. Coast Guard Oceanographic Unit computes the dynamic heights of the various levels, summing both the observed specific volume anomaly values and the interpolated standard depth values. The determination of dynamic heights in shallow water is performed in the manner described by Helland-Hansen (1934). This method assumes that level isotheric surfaces extend from the water-sediment interface, on the continental slope, into the bottom to a point directly below the next station. This allows the extension of the pressure surfaces,

related to the 1,000 decibar level of no assumed motion, above the shelf as far as the Coast.

Volume flow computations are accomplished at U.S. Coast Guard Oceanographic Unit by a computer program specifically written to provide transport information through vertical property sections (Kollmeyer, et al., 1966). The program computes volume flow information through solenoids which subdivide a property section into small rectangles. The solenoids are bounded by the data obtained from adjacent stations at the various standard depths. The volume flow information is calculated using the following equations:

$$\bar{V} = V_m \times A \quad (1)$$

where

$$V_m = \frac{10(\bar{D}_A - \bar{D}_B)}{fL} \quad (2)$$

$$A = d \times L \quad (3)$$

$\bar{V}$ = volume flow

V_m = mean water velocity within the solenoid

A = Area of solenoid, bounded by station locations and standard depth intervals

$(\bar{D}_A - \bar{D}_B)$ = Difference in mean dynamic height values between adjacent stations, based on the 1,000 decibar level, at a point between the upper and lower standard depth values bounding the solenoid.

f = Coriolis parameter = $2\Omega \sin \phi$

where Ω = angular velocity of earth

ϕ = latitude

L = Distance between adjacent stations

d = Vertical distance between the standard depth values bounding the solenoid.

Combining equations (1), (2), and (3);

$$\bar{V} = \frac{10(\bar{D}_A - \bar{D}_B)d}{f} \quad (4)$$

The volume flow calculations are now independent of the distance between stations. This allows sim-

plified volume flow computations through solenoids located along the bottom in shallow water. The volume flow computed has the dimensions 10^6 m^3/sec and the direction of flow is indicated by a plus or minus sign. Thus, each vertical property section is divided into solenoids and the entire volume flow, magnitude, and direction, through the section is determined.

Property transport of heat and salt are computed for each solenoid in the section using the following equations:

$$Q_t = \bar{V} \times T_m \quad (5)$$

where

Q_t = heat transport ($10^{60}C. m^3/sec$)

T_m = mean temperature within solenoid ($^{\circ}C$)

$\bar{V}$ = volume flow ($10^6 m^3 / sec$)

and

$$M_s = \bar{V} \times S_m \times \rho_m \quad (6)$$

where

M_s = salt transport (10^9) gms/sec

S_m = mean salinity within solenoid

ρ_m = mean density of seawater = 1.03 gms/cm ^{3}

The processed temperature and salinity data were recorded on form NHO-NODC-31/67/1 (9-61), Physical and Chemical Data forms for Oceanographic Stations, and delivered to the National Oceanographic Data Center (NODC). The interpolated temperatures and salinities for standard depths, sigma-t, specific volume anomalies, geopotential anomalies (ΔD), and sound velocities were made by NODC and NODC provided listings for the preparation of tables (I-V).

CRUISE NARRATIVES

During the 1964-66 period, a total of 22 whole or in part occupations were made on six of the Standard Sections. The cruise number, ships, dates, numbers of stations and NODC accession numbers for these cruises are given in table 1. Section 7 was not occupied during this period, but has been included in the program in 1967.

Five of these cruises were made by ocean station vessels returning from Ocean Stations BRAVO and CHARLIE. The data were obtained on these cruises entirely by Nansen bottle casts. The remainder of the cruises were made by the U.S. Coast Guard Oceanographic Vessels, the USCGC EVERGREEN and USCGC ROCKAWAY.

Cruise A1-1 by the USCGC EVERGREEN was part of an oceanographic survey in the western Labrador Sea in the vicinity of Hudson Strait in 1965. The purpose of the survey was to quantitatively determine the contribution to and the effect of the Hudson Strait outflow on the Labrador Current. The data are published in the U.S. Coast Guard Oceanographic Report No. 12, "Oceanography of the Labrador Sea in the Vicinity of Hudson Strait in 1965," Kollmeyer, et al., 1967.

Cruises A3-1 and A3-2 were accomplished by the USCGC MENDOTA and the USCGC ING-HAM en route to and on the return voyage from Ocean Station CHARLIE, respectively. The data from both these cruises are listed by NODC as Ref. No. 31-223 and as table I of this report.

Cruises A1-2, A2-2, A3-5 through A3-9, A4-1, and A4-2 were made by the USCGC EVERGREEN in support of International Ice Patrol research. They were made during the ice season of 1966 and consisted of a quasi-synoptic occupation of sections 2, 3, and 4 between 2 April and 8 April 1966 and then a time-series study of section 3 between 16 April and 21 April of three nearly complete occupations. During May-June 1966, the USCGC EVERGREEN then reoccupied sections 1, 2, 3, and 4 to investigate the temporal variations in the circulation of the Labrador Current. Cruises A2-1, A3-3, and A3-4 were made by the ocean station vessels USCGC HUMBOLDT (WHEC 372) and USCGC DUANE (WHEC 33) prior to the beginning of the Ice Patrol research, but the data were presented in graphical form with the 1966 Ice Patrol data. Cruise A3-3 by the USCGC DUANE was accomplished en route Ocean Station BRAVO in February 1966. The data are listed by NODC as Ref. No. 31-792 and as table II of this report. The data from cruises A2-1 and A3-4 were collected by the USCGC HUMBOLDT also en route to Ocean Station BRAVO in March 1966. The data are listed by NODC as Ref. No. 31-702 and as table III of this report. All these data are published in the U.S. Coast Guard Oceanographic Report No. 13, "Oceanography of the Grand Banks Region and the Labrador Sea in 1966," Wolford, T. C. (in press).

GULF STREAM-LABRADOR CURRENT SURVEY

During 17 October-17 November 1966, the USCGC EVERGREEN occupied sections A2, A3,

A4, A5, and A6 to provide a synoptic picture of the Gulf Stream and Labrador Current systems. Senior scientist for the cruise was Mr. J. W. McGary, Director of Oceanography, U.S. Coast Guard Oceanographic Unit. The objectives of this survey were: (1) to make a preliminary survey of sections A5 and A6 to check the adequacy of the station spacing and the sampling intervals and (2) to provide data on the Labrador-Gulf Stream system for the first time in the fall season. The trackline for the survey is shown in figure 2. Stations 1-19 in the Gulf of Maine were stations requested by the Bureau of Commercial Fisheries. The remainder of the survey is listed in table 1 as A2-4, A3-10, A4-3, A5-1, and A6-1.

A total of 107 stations were occupied using the Hytech 9006 in situ Salinity/Temperature/Depth Sensor System (STD) to obtain continuous temperature and salinity versus depth profiles from the surface to 1,500 meters. Sections A6 and A5 were occupied first between 25 October and 3 November 1966. Then sections 2, 3, and 4 were occupied, in that order. At three stations on A5 and two on A6, Nansen bottle casts were made in addition to the STD lowering to obtain data below the depth of 1,500 meters. However, these casts were limited to 3,000 meters by the amount of wire available. At all stations, one or two bucket temperatures and salinity samples were taken as quality control checks on the STD performance. Up to station 30, Nansen bottles were placed on the STD cable at the surface and 1,495 meters to collect calibration data. Results showed that temperature and depth corrections were negligible, but the STD salinity values were slightly lower than the control samples.

The analog traces of temperature and salinity which were obtained were read by recording only "standard" depth values and significant inflection point values. The standard depths are in accord-

ance with those recommended by the NODC in publication M-2, "Processing Physical and Chemical Data from Oceanographic Stations," Part 1A, Coding and Key punching Electronically Obtained Serial Data (Provisional), May 1966 (see table 2).

The processed and corrected data were tabulated on the NODC-EXP-3167/40 (4/66) Form for Reporting Electronically Obtained Serial Data (Provisional) and delivered to the NODC for archiving and the preparation of listings. The data are listed by the NODC as Ref. No. 31-8007 and as table IV of this report.

The USCGC ROCKAWAY occupied section A6 during the period 19 November-22 November 1966. Fifteen oceanographic stations were occupied, each consisting of 15-bottle Nansen casts to a depth of 1,500 meters or to within 50 meters of the bottom when the water depth was less than 1,500 meters. These data are listed by the NODC as Ref. No. 31-1061 and as table V of this report.

DATA PRESENTATION

The oceanographic station data for each cruise are presented in this report as vertical cross-sections of temperature, salinity, and solenoidal volume flow.

For the Gulf Stream-Labrador Survey in November 1966, the dynamic topography of the sea surface relative to the 1,000 decibar surface is presented for each section by contouring the lines of dynamic height between each station with a contour interval of 0.02 dynamic meters (see figs. 3 and 4). The lines of equal dynamic height are not connected between each section, as has been the practice in the past, because it is realized that these data are not synoptic in any sense of the word.

All physical data are tabulated in tables I-V which are preceded by an explanation of the codes used.

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- Helland-Hansen, B., 1934. The Sognefjord Section. Oceanographic Observations in the Northernmost Part of the North Sea and Southern Part of the Norwegian Sea. J. Johnstone Mem. Vol. p. 257, Liverpool, 1934.
- Kollmeyer, R. C. et al., 1966. "Oceanography of the Labrador Sea in the Vicinity of Hudson Strait in 1965," U.S. Coast Guard Oceanographic Report No. 12, CG-373-12.
- NODC publication M-2, "Processing Physical and Chemical Data From Oceanographic Stations," Part 1A, Coding and Key punching Electronically Obtained Serial Data (Provisional), May 1966.

FIGURE 1. Locations of North Atlantic Ocean Stations and Standard Monitoring Sections occupied by the U.S. Coast Guard.

FIGURE 2. Trackline of Gulf Stream-Labrador Current Survey of the USCGC EVERGREEN, 17 October-17 November 1966. Numbers indicate consecutive station numbers. Stations 1-19 were occupied at the request of the Bureau of Commercial Fisheries Biological Laboratory, Woods Hole, Mass. The data for stations 1-19 are not included in this report.

FIGURE 3. Isopleths of surface dynamic height relative to 1,000 decibar surface on North Atlantic Standard Monitoring Sections A2, A3, and A4, 6-13 November 1966, from data of USCGC EVERGREEN. Contour interval is 0.02 dynamic meter. Dots indicate station locations.

FIGURE 4. Isopleths of surface dynamic height relative to 1,000 decibar surface on North Atlantic Standard Monitoring Sections A5 and AG, 25 October–3 November 1966, from data of USCGC EVERGREEN. Contour interval is 0.02 dynamic meter. Dots indicate station locations.

FIGURE 5. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A1 on 25-26 July 1965, prepared from data of USCGC EVERGREEN.

FIGURE 6. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A1 on 25-26 July 1965, prepared from data of USCGC EVERGREEN.

FIGURE 7. Solenoid division of North Atlantic Standard Monitoring Section A1 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 25-26 July 1965.

FIGURE 8. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A1 on 6-7 June 1966. Prepared from data of USCGC EVERGREEN.

FIGURE 9. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A1 on 6-7 June 1966, prepared from data of USCGC EVERGREEN.

FIGURE 11. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 11-12 March 1966, prepared from data of USCGC HUMBOLDT.

FIGURE 12. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 11-12 March 1966, prepared from data of USCGC HUMBOLDT.

SECTION A2-1 STATION NUMBER

FIGURE 13. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC HUMBOLDT, 11-12 March 1966.

FIGURE 14. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 7-8 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 15. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 7-8 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 16. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 7-8 April 1966.

FIGURE 17. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 26-27 May 1966, prepared from data of USCGC EVERGREEN.

FIGURE 18. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 26-27 May 1966, prepared from data of USCGC EVERGREEN.

SECTION A2-3
STATION NUMBER

FIGURE 19. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 26-27 May 1966.

FIGURE 20(a). Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the east to west portion of the section.

FIGURE 20(b). Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the north to south portion of the section.

FIGURE 21(a). Vertical cross section salinity (‰) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the east to west portion of the section.

FIGURE 21(b). Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A2 on 6-7 November 1966, prepared from data of USCGC EVERGREEN. This cross section contains only the north to south portion of the section.

SECTION A-2-4 STATION NUMBER

FIGURE 22. Solenoid division of North Atlantic Standard Monitoring Section A2 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 6-7 November 1966.

FIGURE 23. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A3 on 23-24 November 1964, prepared from data of USCGC MENDOTA.

FIGURE 24. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 23-24 November 1964, prepared from data of USCGC MENDOTA.

SECTION A3-1 STATION NUMBER

FIGURE 25. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC MENDOTA, 23-24 November 1966.

FIGURE 26. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 28-29 January 1965, prepared from data of USCGC INGHAM.

FIGURE 27. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 28-29 January 1965, prepared from data of USCGC INGHAM.

FIGURE 29. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A3 on 14-15 February 1966, prepared from data of USCGC DUANE.

FIGURE 30. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 14-15 February 1966, prepared from data of USCGC DUANE.

FIGURE 31. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC DUANE, 14-15 February 1966.

FIGURE 32. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 9-10 March 1966, prepared from data of USCGC HUMBOLDT.

FIGURE 33. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 9-10 March 1966, prepared from data of USCGC HUMBOLDT.

SECTION A3-4
STATION NUMBER

FIGURE 34. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC HUMBOLDT, 9-10 March 1966.

FIGURE 35. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 4-5 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 36. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 4-5 April 1966, prepared from data of USCGC EVERGREEN.

SECTION A3-5 STATION NUMBER

FIGURE 37. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 4-5 April 1966.

FIGURE 38. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 16-17 April, 1966, prepared from data of USCGC EVERGREEN.

FIGURE 39. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 16-17 April 1966, prepared from data of USCGC EVERGREEN.

DEPTH (METERS)

9535 36 37 38 38 9540

0 1 2 3 4 5

100 6 7 8 9 10

11 12 13 14 15

16 17 18 19

200 1.78 0 33.802 2.84 8 34.185 3.84 8 34.483 3.78 8 34.525

.01 .0051 .178 .70 .2457 8.854 .68 .1881 8.888 .18 .0431 8.538

2.15 8 34.114 2.88 8 34.345 3.73 8 34.888 3.78 8 34.888

.02 .0107 .375 .80 .2000 7.975 .85 .1797 8.188 .11 .0288 1.922

2.30 8 34.205 3.10 8 34.400 3.88 8 34.870 3.87 8 34.751

.08 .0288 .844 .84 .2722 8.924 1.07 .2803 11.387 .10 .0440 1.575

2.88 8 34.423 3.35 8 34.853 3.81 8 34.748 4.01 8 34.810

.02 .0082 .281 .38 1158 4.138 .88 .7335 8.337 .15 .0378 1.537

3.88 8 34.740 3.88 8 34.815 4.84 8 34.852

500

600

700

800

900

1000

CODE FOR SOLENOID NUMBERS

MEAN TEMP °C VOLUME FLOW $10^6 \text{ m}^3/\text{sec}$ MEAN SALINITY ‰/‰

HEAT TRANSPORT $10^{10} \text{ Cal}^3/\text{sec}$ SALT TRANSPORT $10^{10} \text{ gms}/\text{sec}$

(+) SOUTHWARD FLOW
(-) NORTHWARD FLOW

10 MILES

1.	1.05	8	33.578	2.	1.80	8	33.581	11.	1.37	8	33.881	12.	1.81	8	33.884
.01	.0042	.140	.02	.0138	.480	.00	.0818	.052	.00	.0820	.087				
3.	1.97	8	33.884	4.	2.30	8	34.823	13.	1.78	8	33.881	14.	3.08	8	34.237
.48	.1878	8.882	.28	.7324	8.824	.28	.1875	8.840	.28	.0848	3.348				
5.	3.70	8	34.307	9.	1.57	8	33.838	15.	3.71	8	34.188	16.	1.88	8	33.782
.13	.8381	1.378	.01	.0024	.148	.12	.8324	1.148	.88	.0025	.087				
7.	1.82	8	33.038	6.	1.87	8	33.792	17.	2.18	8	34.028	18.	3.34	8	34.328
.03	.0128	.482	.33	.3871	8.588	.91	.1455	5.887	.91	.0838	3.518				
8.	3.88	8	34.128	10.	3.73	8	34.377	18.	3.78	8	34.407				
.27	.1088	3.847	.13	.0348	1.282	.11	.0287	1.817							

33

FIGURE 41. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 18-19 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 42. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 18-19 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 43. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 18-19 April 1966.

FIGURE 45. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 21 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 44. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A3 on 21 April 1966, prepared from data of USCGC EVERGREEN.

SECTION A3-8 STATION NUMBER

FIGURE 46. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 21 April 1966.

FIGURE 47. Vertical cross section of temperature ($^{\circ}$) on North Atlantic Standard Monitoring Section A3 on 25-26 May 1966, prepared from data of USCGC EVERGREEN.

FIGURE 48. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 25-26 May 1966, prepared from data of USCGC EVERGREEN.

FIGURE 50. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A3 on 9-11 November 1966, prepared from data of USCGC EVERGREEN.

FIGURE 51. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A3 on 9-11 November 1966, prepared from data of USCGC EVERGREEN.

SECTION A-3-10
STATION NUMBER

FIGURE 52. Solenoid division of North Atlantic Standard Monitoring Section A3 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 9-11 November 1966.

FIGURE 53. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A4 on 2-3 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 54. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 2-3 April 1966, prepared from data of USCGC EVERGREEN.

FIGURE 55. Solenoid division of North Atlantic Standard Monitoring Section A4 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 2-3 April 1966.

FIGURE 56. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A4 on 22-24 May 1966, prepared from data of USCGC EVERGREEN.

FIGURE 57. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 22-24 May 1966, prepared from data of USCGC EVERGREEN.

SECTION A4-2 STATION NUMBER

FIGURE 58. Solenoid division of North Atlantic Standard Monitoring Section A4 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 22-24 May 1966.

FIGURE 59. Vertical cross section of temperature (°C) on North Atlantic Standard Monitoring Section A4 on 11-13 November 1966, prepared from data of USCGC EVERGREEN.

FIGURE 60. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A4 on 11-13 November 1966, prepared from data of USCGC EVERGREEN.

FIGURE 62. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A5 on 1-3 November 1966, prepared from data of USCGC EVERGREEN.

FIGURE 63. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A5 on 1-3 November 1966, prepared from data of USCGC EVERGREEN.

FIGURE 64. Solenoid division of North Atlantic Standard Monitoring Section A5 including mean temperature, mean salinity, volume flow, heat and salt transport values from data of USCGC EVERGREEN, 1-3 November 1966.

FIGURE 65. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A6 on 25-28 October 1966, prepared from data of USCGC EVERGREEN.

FIGURE 66. Vertical cross section of salinity (‰) on North Atlantic Standard Monitoring Section A6 on 25-28 October 1966, prepared from data of USCGC EVERGREEN.

FIGURE 68. Vertical cross section of temperature ($^{\circ}\text{C}$) on North Atlantic Standard Monitoring Section A6 on 19-22 November 1966, prepared from data of USCGC ROCKAWAY.

FIGURE 69. Vertical cross section of salinity (‰) in North Atlantic Standard Monitoring Section A6 on 19-22 November 1966, prepared from data of USCGC ROCKAWAY.

TABLE 1

Cruise No.	Ship	Date	No. of stations	NODC No.	U.S. Coast Guard Publication No.
<i>Section 1</i>					
A1-1	USCGC EVERGREEN	07/25-07/26/65	12	31-549	373-12
A1-2	USCGC EVERGREEN	06/06-06/07/66	12	31-8001	373-13
<i>Section 2</i>					
A2-1	USCGC HUMBOLDT	03/11-03/12/66	14	31-702	
A2-2	USCGC EVERGREEN	04/07-04/08/66	10	31-8001	373-13
A2-3	USCGC EVERGREEN	05/26-05/27/66	11	31-8001	373-13
A2-4	USCGC EVERGREEN	11/06-11/07/66	13	31-8007	
<i>Section 3</i>					
A3-1	USCGC MENDOTA	11/23-11/24/64	7	31-223	
A3-2	USCGC INGHAM	01/28-01/29/65	7	31-223	
A3-3	USCGC DUANE	02/14-02/15/66	11	31-792	
A3-4	USCGC HUMBOLDT	03/09-03/10/66	11	31-702	
A3-5	USCGC EVERGREEN	04/04-04/05/66	9	31-8001	373-13
A3-6	USCGC EVERGREEN	04/16-04/17/66	6	31-8001	373-13
A3-7	USCGC EVERGREEN	04/18-04/19/66	6	31-8001	373-13
A3-8	USCGC EVERGREEN	04/21/66	4	31-8001	373-13
A3-9	USCGC EVERGREEN	05/25-05/26/66	11	31-8001	373-13
A3-10	USCGC EVERGREEN	11/09-11/11/66	17	31-8007	
<i>Section 4</i>					
A4-1	USCGC EVERGREEN	04/02-04/03/66	7	31-8001	373-13
A4-2	USCGC EVERGREEN	05/22-05/24/66	16	31-8001	373-13
A4-3	USCGC EVERGREEN	11/11-11/13/66	16	31-8007	
<i>Section 5</i>					
A5-1	USCGC EVERGREEN	11/01-11/03/66	18	31-8007	
<i>Section 6</i>					
A6-1	USCGC EVERGREEN	10/25-10/28/66	15	31-8007	
A6-2	USCGC ROCKAWAY	11/19-11/22/66	15	31-1061	

TABLE 2.—List of standard depths (meters) for electronically obtained serial data

0000	0100	0400	1000	1750	6000
0010	0125	0500	1100	2000	7000
0020	0150	0600	1200	2500	8000
0030	0200	0700	1300	3000	9000
0050	0250	0800	1400	4000	
0075	0300	0900	1500	5000	

Explanation of Oceanographic Station Data

Description of Entries, Units, and Codes on NODC Station Listing

1. Surface Observations

Entry

Description of Field

NODC REF. ID. NO.-----	NODC reference identity number.
COUNTRY CODE.-----	Indicates nationality of the institute or agency conducting the survey or expedition.
CRUISE NUMBER.-----	A reference number assigned by NODC for storage-retrieval purposes. NODC Publication C-1, <i>Reference Sources of Oceanographic Station Data</i> , gives complete bibliographic and other pertinent information for each cruise.
SHIP CODE.-----	Alphabetic representation of ship's name (or ICES numeric ship code).
LATITUDE.-----	Degrees, minutes, and tenths of minutes, N. or S.
LONGITUDE.-----	Degrees, minutes, and tenths of minutes, E. or W.
DRIFT INDICATOR.-----	The letter D appears in this column if extensive drift occurred while on station.
MARSDEN SQUARE:	
10°.-----	Marsden square number according to the Marsden square system.
1°.-----	The 1° square number according to the Marsden square system.
STATION TIME:	
(GMT).-----	Date and time given by the originator (GMT).
MONTH.-----	Month (GMT).
DAY.-----	Day (GMT).
HR. 1/10.-----	GMT to nearest tenth of an hour.
YEAR.-----	Year.
ORIGINATOR'S	
CRUISE NUMBER.	Alphabetic or alpha-numeric designator as assigned by the originator. If the year of the cruise forms part of the cruise numbering system, the year digits are found in preceding field.
STATION NUMBER.-----	Originator's station number or designator.
DEPTH TO BOTTOM.-----	Corrected or uncorrected sounding depth in meters.
MAX. DEPTH OF	
SAMPLES.	Depth of deepest sample in hundreds of meters to nearest hundred-meter interval.
WAVE OBSERVATIONS:	
DIR.-----	Direction from which the dominant waves are coming, in tens of degrees, according to WMO Code 0885.
HGT.-----	Height of dominant waves according to WMO Code 1555.
PER.-----	Period of dominant waves according to WMO Code 3155.
SEA AMT.-----	Sea amount (sea state) according to WMO Code 3700 (preceded by the letter A).
WEATHER CODE.-----	If preceded by the letter X, weather according to WMO Code 4501. A numeric two-digit entry indicates weather according to WMO Code 4677.
*INSTR./CLOUD.-----	This field is used either for recording instrument code when electronically obtained data are being reported, or for reporting cloud type and cloud amount when conventional Nansen cast data are being reported.
*INSTR.-----	A two character code representing instrument package of system.
TYPE.-----	Cloud type according to WMO Code 0500.
AMT.-----	Cloud amount according to WMO Code 2700.
NODC STATION	
NUMBER.	Assigned by NODC for data storage and retrieval purposes. The NODC Reference Identity and Station number combined, uniquely define each station in the NODC archives.
*DT/*S ^U / _D .-----	This indicator specifies that the reported data have been obtained electronically rather than by Nansen-type casts. U (up) and D (down) are cast indicators for electronically obtained serial data and specify that the data were taken while hoisting or lowering respectively.
WATER COLOR.-----	Water color according to Forel-Ule Code.
TRANS. (m).-----	Water transparency in meters as determined by Secchi disc.
WIND:	
DIR.-----	Direction from which wind is blowing in tens of degrees, according to WMO Code 0877.
SPEED OR FORCE.-----	If preceded by letter S, wind speed in knots; if preceded by letter F, wind force in Beaufort code.
BAROMETER (mbs).-----	Barometric pressure in millibars; tens, units, and tenths places only.

AIR TEMPERATURE °C:

DRY BULB-----	Dry bulb air temperature in degrees centigrade, to tenths.
WET BULB-----	Wet bulb air temperature in degrees centigrade, to tenths.
VIS CODE-----	Visibility according to WMO Code 4300.
NUMBER OBS, LEVEL----	The number of observed levels associated with the station.
SPECIAL OBSERVA- TIONS.	Entries in this space vary with individual cruises or stations. Information concerning entries in this field can be requested from the NODC.

2. A complete description of the codes can be found in NODC publication M-2 (Rev. August 1964),
"Processing Physical and Chemical Data from Oceanographic Stations."

TABLE I. Observed and interpolated oceanographic data taken by USCGC MENDOTA, 23-24 November 1964, and USCGC INGHAM, 28-29 January 1965, on North Atlantic Standard Monitoring Section 3; prepared from NODC listing No. 31-223.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT HOURS	MARSSEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																										
CTRY CODE	ID. NO.					10'	1'	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																								
31	223	ME	4444 N	04933 W		149	49	11	23	205	1964	LC1	001	0052	00	31	2		X1	8	5	0001																									
<table><tr><th colspan="2">WATER</th><th colspan="2">WIND</th><th rowspan="2">BARO- METER (mb)</th><th colspan="2">AIR TEMP. °C</th><th rowspan="2">VIS. CODE</th><th rowspan="2">NO. OBS. DEPTHS</th><th rowspan="2">SPECIAL OBSERVATIONS</th></tr><tr><th>COLOR CODE</th><th>TRANS. (m)</th><th>DIR.</th><th>SPEED OR FORCE</th><th>DRY BULB</th><th>WET BULB</th></tr><tr><td></td><td></td><td></td><td>29</td><td>519</td><td>250</td><td>011</td><td>-006</td><td>7</td><td>03</td></tr></table>																						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB				29	519	250	011	-006	7	03
WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																						
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																									
			29	519	250	011	-006	7	03																																						
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ OYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C																														
		STD	0000	0479	3283	2601	0020104	0000	14673																																						
205		OBS	0000	0479	32834	2601			14673																																						
		STD	0010	0479	3284	2601	0020063	0020	14674																																						
		STD	0020	0478	3285	2602	0020015	0040	14676																																						
205		OBS	0025	0478	32850	2602			14676																																						
		STD	0030	0462	3287	2605	0019684	0060	14671																																						
		STD	0050	0347	3304	2630	0017330	0097	14628																																						
205		OBS	0050	0347	33038	2630			14628																																						

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT HOURS	MARSSEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																										
CTRY CODE	ID. NO.					10'	1'	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																								
31	223	ME	44385N	04922 W		149	49	11	23	220	1964	LC1	002	0055	01	30	2		X1	7	4	0002																									
<table><tr><th colspan="2">WATER</th><th colspan="2">WIND</th><th rowspan="2">BARO- METER (mb)</th><th colspan="2">AIR TEMP. °C</th><th rowspan="2">VIS. CODE</th><th rowspan="2">NO. OBS. DEPTHS</th><th rowspan="2">SPECIAL OBSERVATIONS</th></tr><tr><th>COLOR CODE</th><th>TRANS. (m)</th><th>DIR.</th><th>SPEED OR FORCE</th><th>DRY BULB</th><th>WET BULB</th></tr><tr><td></td><td></td><td></td><td>30</td><td>514</td><td>260</td><td>017</td><td>-006</td><td>7</td><td>03</td></tr></table>																						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB				30	514	260	017	-006	7	03
WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																						
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																									
			30	514	260	017	-006	7	03																																						
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ OYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C																														
		STD	0000	0482	3283	2600	0020187	0000	14674																																						
		OBS	0000	0482	32827	2600			14674																																						
		STD	0010	0480	3283	2600	0020180	0020	14675																																						
		STD	0020	0479	3283	2600	0020179	0040	14676																																						
220		OBS	0025	0478	32826	2600			14676																																						
		STD	0030	0455	3286	2605	0019688	0060	14668																																						
		STD	0050	0286	3312	2642	0016186	0096	14603																																						
224		OBS	0054	0238	33189	2652			14583																																						

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT HOURS	MARSSEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER																										
CTRY CODE	ID. NO.					10'	1'	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																								
31	223	ME	44325N	04855 W		149	48	11	24	019	1964	LC1	003	0344	03	28	2		X1	7	4	0003																									
<table><tr><th colspan="2">WATER</th><th colspan="2">WIND</th><th rowspan="2">BARO- METER (mb)</th><th colspan="2">AIR TEMP. °C</th><th rowspan="2">VIS. CODE</th><th rowspan="2">NO. OBS. DEPTHS</th><th rowspan="2">SPECIAL OBSERVATIONS</th></tr><tr><th>COLOR CODE</th><th>TRANS. (m)</th><th>DIR.</th><th>SPEED OR FORCE</th><th>DRY BULB</th><th>WET BULB</th></tr><tr><td></td><td></td><td></td><td>26</td><td>508</td><td>260</td><td>017</td><td>-011</td><td>7</td><td>08</td></tr></table>																						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB				26	508	260	017	-011	7	08
WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																						
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																									
			26	508	260	017	-011	7	08																																						
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ OYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C																														
		STD	0000		3343																																										
		OBS	0000		33430																																										
		STD	0010		3343																																										
		STD	0020		3343																																										
019		OBS	0025		33433																																										
		STD	0030		3359																																										
019		OBS	0044	0124	33934	2720			14542																																						
		STD	0050	0128	3398	2723	0008504		14545																																						
019		OBS	0068	0141	3340Q	26760																																									
		STD	0075	0146	3414	2735	0007417		14559																																						
019		OBS	0091	0157	34216	2740			14568																																						
		STD	0100	0162	3423	2741	0006854		14572																																						
		STD	0125	0174	3426	2742	0006722		14582																																						
019		OBS	0139	0181	34276	2743			14587																																						
		STD	0150	0186	3428	2743	0006670		14591																																						
019		OBS	0188	0202	34303	2743			14605																																						
		STD	0200	0207	3432	2744	0006552		14609																																						
		STD	0250	0224	3442	2751	0005960		14626																																						
019		OBS	0288	0234	34528	2759			14638																																						

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	223	ME	4431 N	04841 W		149	48	11	24	047	1964	LC1	004	2195	11	28	2		X1	7	4	0004	
						WATER		WIND		AIR TEMP. °C				NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE										
									26	508	280	011	-011		7	12							
MESSAGE TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°		Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₂ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	SS mg					
		STD	0000	0446	3415	2709	0009842		0000	14677													
	047	OBS	0000	0446	34154	2709				14677													
		STD	0010	0453	3416	2709	0009865		0010	14681													
		STD	0020	0460	3417	2709	0009880		0020	14686													
	047	OBS	0024	0462	34174	2709				14687													
		STD	0030	0469	3420	2710	0009768		0030	14692													
	047	OBS	0049	0473	34323	2719				14698													
		STD	0050	0471	3433	2720	0008835		0048	14697													
	047	OBS	0074	0435	34529	2740				14689													
		STD	0075	0434	3454	2741	0006894		0068	14689													
	047	OBS	0098	0409	34664	2753				14684													
		STD	0100	0407	3467	2754	0005665		0084	14684													
		STD	0125	0392	3473	2760	0005087		0097	14682													
	047	OBS	0147	0382	34766	2764				14682													
		STD	0150	0382	3477	2764	0004709		0109	14683													
	047	OBS	0197	0376	34815	2769				14688													
		STD	0200	0375	3482	2769	0004309		0132	14689													
		STD	0250	0366	3482	2770	0004263		0153	14693													
	047	OBS	T0297	0364	34843	2772				14700													
		STD	0300	0365	3485	2772	0004073		0174	14701													
		STD	0400	0383	3491	2776	0003880		0214	14726													
	047	OBS	0400	0383	34913	2776				14726													
		STD	0500	0373	3490	2776	0003942		0253	14738													
		STD	0600	0364	3489	2776	0003992		0293	14751													
	047	OBS	0606	0363	34893	2776				14752													
		STD	0700	0360	3489	2776	0004046		0333	14766													
		STD	0800	0357	3489	2777	0004105		0374	14781													
	053	OBS	T0897	0354	34892	2777				14796													
		STD	0900	0354	3489	2777	0004154		0415	14797													
		STD	1000	0351	3489	2777	0004202		0457	14812													
		STD	1100	0349	3489	2777	0004259		0499	14828													
	053	OBS	1122	0348	34892	2777				14831													

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	223	ME	4423 N	04757 W		149	47	11	24	088	1964	LC1	005	3383	12	28	2		X1	5	5	0005	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB											
									30	505	280	011	-017	7	13								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	SC					
		STD	0000	0740	3337	2610	0019208		0000	14785													
088		OBS	0000	0740	33367	2610				14785													
		STD	0010	0740	3337	2610	0019228		0019	14787													
		STD	0020	0741	3337	2610	0019256		0038	14788													
088		OBS	0024	0741	33366	2610				14789													
		STD	0030	0741	3337	2610	0019277		0058	14790													
088		OBS	0049	0742	33364	2609				14794													
		STD	0050	0729	3341	2615	0018816		0096	14789													
088		OBS	0074	0560	34189	2698				14736													
		STD	0075	0567	3421	2699	0010844		0133	14739													
088		OBS	0098	0687	34567	2712				14796													
		STD	0100	0688	3458	2713	0009628		0158	14796													
		STD	0125	0694	3469	2720	0008935		0182	14805													
088		OBS	0148	0700	34760	2725				14812													
		STD	0150	0695	3476	2726	0008468		0203	14810													
088		OBS	0198	0599	34764	2739				14780													
		STD	0200	0595	3476	2739	0007215		0243	14779													
		STD	0250	0520	3477	2749	0006294		0276	14756													
088		OBS	T0297	0479	34783	2755				14747													
		STD	0300	0479	3479	2755	0005759		0307	14748													
088		OBS	0398	0485	34935	2766				14769													
		STD	0400	0485	3494	2767	0004818		0359	14769													
		STD	0500	0465	3496	2771	0004550		0406	14778													
		STD	0600	0445	3497	2774	0004352		0451	14786													
088		OBS	0601	0445	34972	2774				14786													
		STD	0700	0431	3497	2775	0004288		0494	14797													
		STD	0800	0417	3497	2777	0004222		0537	14808													
088		OBS	T0805	0416	34968	2777				14808													
		STD	0900	0399	3495	2777	0004251		0579	14816													
		STD	1000	0384	3494	2778	0004237		0621	14827													
088		OBS	1010	0383	34938	2778				14828													
		STD	1100	0374	3493	2778	0004278		0664	14839													
		STD	1200	0367	3493	2779	0004279		0707	14853													
088		OBS	T1215	0366	34928	2779				14855													

TABLE I.—Continued

MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C
122		STD	0000	0718	3349	2623	0018015	0000	14778								
		OBS	0000	0718	33488	2623			14778								
		STD	0010	0719	3350	2623	0017950	0018	14780								
		STD	0020	0721	3352	2624	0017877	0036	14782								
122		OBS	0023	0721	33519	2625			14783								
		STD	0030	0605	3355	2642	0016174	0053	14739								
122		OBS	0047	0456	33759	2676			14683								
		STD	0050	0469	3386	2683	0012340	0081	14690								
122		OBS	0070	0557	34376	2713			14737								
		STD	0075	0589	3446	2716	0009239	0108	14752								
122		OBS	0092	0660	34691	2725			14786								
		STD	0100	0641	3470	2728	0008130	0130	14780								
		STD	0125	0587	3473	2738	0007266	0149	14763								
122		OBS	0138	0562	34738	2741			14755								
		STD	0150	0540	3473	2744	0006734	0167	14748								
122		OBS	0185	0492	34722	2749			14734								
		STD	0200	0490	3475	2751	0006067	0199	14736								
		STD	0250	0480	3482	2758	0005487	0228	14741								
122		OBS	T0276	0473	34849	2761			14742								
		STD	0300	0463	3486	2763	0005052	0254	14742								
122		OBS	0369	0439	34891	2768			14744								
		STD	0400	0433	3490	2769	0004523	0302	14747								
		STD	0500	0414	3491	2772	0004337	0346	14756								
122		OBS	0553	0405	34919	2774			14761								
		STD	0600	0398	3492	2774	0004202	0389	14766								
		STD	0700	0385	3491	2775	0004170	0431	14777								
122		OBS	T0744	0380	34912	2776			14782								
		STD	0800	0375	3491	2776	0004176	0473	14789								
		STD	0900	0367	3491	2777	0004171	0514	14802								
122		OBS	0945	0365	34909	2777			14809								
		STD	1000	0363	3491	2777	0004209	0556	14817								
		STD	1100	0361	3492	2778	0004196	0598	14833								
122		OBS	T1154	0361	34924	2779			14842								

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TPH	AMT	
31	223	ME	44085N	046415W		149	46	11	24	157	1964	LC1	007	3840	13	29	2			X1	8	13	0007
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE										
								31	S05	280	028	000	7	13									
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C						
		STD	0000	0828	3330	2592	0020942	0000	14818														
157		OBS	0000	0828	33297	2592			14818														
		STD	0010	0815	3329	2593	0020804	0021	14814														
		STD	0020	0799	3329	2595	0020625	0042	14810														
157		OBS	0026	0788	33287	2597			14807														
		STD	0030	0778	3329	2599	0020345	0062	14803														
		STD	0050	0729	3340	2614	0018894	0101	14789														
157		OBS	0053	0722	33433	2618			14787														
		STD	0075	0461	3385	2683	0012355	0140	14691														
157		OBS	0079	0443	33927	2691			14685														
		STD	0100	0529	3438	2717	0009161	0167	14730														
157		OBS	0104	0540	34439	2721			14736														
		STD	0125	0536	3451	2727	0008300	0189	14739														
		STD	0150	0527	3458	2733	0007703	0209	14740														
157		OBS	0157	0524	34593	2735			14740														
		STD	0200	0495	3466	2743	0006796	0245	14736														
157		OBS	0210	0490	34673	2745			14736														
		STD	0250	0484	3476	2752	0005981	0277	14741														
		STD	0300	0477	3484	2760	0005361	0306	14748														
157		OBS	T0315	0475	34860	2761			14750														
		STD	0400	0466	3493	2768	0004675	0356	14761														
157		OBS	0422	0462	34945	2770			14763														
		STD	0500	0431	3493	2772	0004380	0401	14763														
		STD	0600	0401	3492	2774	0004213	0444	14767														
157		OBS	0634	0394	34913	2774			14770														
		STD	0700	0389	3492	2775	0004208	0486	14778														
		STD	0800	0383	3492	2776	0004208	0528	14793														
157		OBS	T0848	0380	34920	2776			14799														
		STD	0900	0378	3492	2777	0004217	0570	14807														
		STD	1000	0374	3492	2777	0004243	0613	14822														
157		OBS	1064	0370	34924	2778			14831														
		STD	1100	0368	3492	2778	0004280	0655	14836														
		STD	1200	0361	3492	2778	0004279	0698	14850														
157		OBS	T1280	0354	34913	2779			14860														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MO DAY	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT		
31	223	IN	4408 N	04638 W	149 46	01	28	164	1965	LC2	001		3860	12	14	2			X2	5	8	0032	
		WATER	WIND	BARO- METER	AIR TEMP. °C	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS															
CDLOR CODE	TRANS. MI	DIR.	SPEED OR FORCE		DAY BULB	WET BULB																	
		16	S15	030	106	100	6	13															
MESSING TIME HR 1/10	CAST OF ND.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-310°	$\Sigma \Delta D$ DYN. M. X 10 ³	SDUND VELDCTY	D ₂ ml/l	PO ₄ -P µg - dl/l	TOTAL-P µg - dl/l	NO ₂ -N µg - dl/l	NO ₃ -N µg - dl/l	Si D ₄ -Si µg - dl/l	pH	S CC						
		STD	0000	0640	3375	2654	0015036	0000	14750														
164		OBS	0000	0640	3375	2654			14750														
		STD	0010	0638	3375	2654	0015048	0015	14751														
		STD	0020	0635	3375	2654	0015031	0030	14752														
164		OBS	0024	0634	3374	2654			14752														
		STD	0030	0634	3375	2655	0015013	0045	14753														
164		OBS	0046	0635	3376	2655			14756														
		STD	0050	0696	3402	2667	0013835	0074	14784														
164		OBS	0069	0833	3472	2703			14850														
		STD	0075	0779	3467	2707	0010170	0104	14829														
164		OBS	0091	0672	3456	2713			14789														
		STD	0100	0671	3461	2717	0009182	0128	14790														
		STD	0125	0667	3472	2726	0008352	0150	14794														
164		OBS	0137	0665	3475	2730			14796														
		STD	0150	0642	3478	2735	0007621	0170	14789														
164		OBS	0184	0595	3483	2745			14777														
		STD	0200	0595	3487	2748	0006425	0205	14780														
		STD	0250	0584	3496	2756	0005686	0235	14785														
164		OBS	0278	0569	3498	2760			14784														
		STD	0300	0544	3497	2762	0005184	0263	14777														
164		OBS	0373	0477	3493	2767			14761														
		STD	0400	0468	3494	2769	0004624	0312	14762														
		STD	0500	0437	3494	2772	0004374	0357	14766														
164		OBS	T0571	0419	3494	2774			14770														
		STD	0600	0413	3494	2775	0004201	0400	14772														
		STD	0700	0396	3493	2776	0004177	0441	14782														
164		OBS	0779	0385	3492	2776			14790														
		STD	0800	0383	3492	2776	0004193	0483	14793														
		STD	0900	0376	3490	2775	0004349	0526	14806														
164		OBS	0992	0370	3488	2775			14819														
		STD	1000	0370	3489	2775	0004476	0570	14820														
		STD	1100	0365	3488	2775	0004509	0615	14835														
		STD	1200	0362	3488	2775	0004564	0660	14850														
164		OBS	T1210	0362	3488	2775			14852														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10	LONGITUDE ° ' 10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER
CTRY CODE	IO. NO.					10°	1°	MO	OAT HR. 1/10		CRUISE NO.	STATION NUMBER			SPECIAL OBSERVATIONS							
															COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		BARO- METER (mb)	DRY BULB	
31	223	IN	4415 N	047165W		149	47	01	28	223	1965	LC2 002	3705	13	09	2			X8	716		0033

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10	LONGITUDE ° ' 10	DATE 10/10	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	223	IN	44225N	047575W		149	47	01	29	023	1965	LC2	003	3318	15	31	2			X6	7	6	0034
WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		ND.		SPECIAL OBSERVATIONS											
COLOR CODE	TRANS. UNIT	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	CODE	CODE	DEPTHS	DEPTHS	OBS.	OBSERVATIONS										
		31	S15	040	028	028	7	13															
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - \sigma_t/l$	TOTAL-P $\mu g - \sigma_t/l$	NO ₂ -N $\mu g - \sigma_t/l$	NO ₃ -N $\mu g - \sigma_t/l$	SIO ₄ -Si $\mu g - \sigma_t/l$	pH	σ_t °C						
		STD	0000	0606	3390	2670	0013508	0000	14739														
023		OBS	0000	0606	33903	2670			14739														
		STD	0010	0607	3391	2670	0013515	0014	14741														
		STD	0020	0609	3391	2670	0013523	0027	14743														
023		OBS	0029	0610	33911	2670			14745														
		STD	0030	0624	3394	2671	0013490	0041	14751														
023		OBS	0046	0808	34363	2678			14832														
		STD	0050	0830	3440	2678	0012863	0067	14841														
		STD	0075	0945	3466	2680	0012732	0099	14892														
023		OBS	0084	0975	34760	2683			14905														
		STD	0100	0941	3500	2707	0010207	0128	14899														
023		OBS	0113		35139																		
		STD	0125	0891	3514	2726	0008477	0151	14886														
		STD	0150	0843	3513	2733	0007853	0171	14872														
023		OBS	0169		35120																		
		STD	0200	0754	3503	2739	0007362	0209	14845														
023		OBS	0226	0712	34975	2740			14832														
		STD	0250	0676	3498	2745	0006772	0245	14822														
		STD	0300	0607	3497	2754	0005945	0276	14803														
023		OBS	0339	0558	34973	2761			14789														
		STD	0400	0487	3494	2766	0004846	0330	14770														
023		OBS	0456	0436	34912	2770			14758														
		STD	0500	0423	3491	2771	0004416	0377	14759														
		STD	0600	0399	3492	2774	0004220	0420	14766														
023		OBS	T0697	0384	34919	2776			14776														
		STD	0700	0384	3492	2776	0004114	0462	14776														
		STD	0800	0383	3493	2777	0004122	0503	14793														
		STD	0900	0383	3494	2778	0004129	0544	14809														
023		OBS	0960	0382	34943	2778			14819														
		STD	1000	0379	3494	2778	0004170	0586	14825														
		STD	1100	0371	3494	2779	0004190	0627	14838														
		STD	1200	0365	3493	2779	0004239	0669	14852														
023		OBS	1221	0364	34931	2779			14855														
		STD	1300	0360	3493	2780	0004254	0712	14867														
		STD	1400	0357	3494	2780	0004276	0755	14882														
023		OBS	T1484	0355	34938	2780			14896														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DRAFT INDEX	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	223	IN	4432 N	04840 W		149	48	01	29	071	1965	LC2	004	2320	10	24	2			X1	8	2	0035		
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB												
					27	515	080	022	017	7	13														
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t ?	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	S C								
		STD	0000	0284	3366	2686	0012041	0000	14601																
071		OBS	0000	0284	3366.5	2686			14601																
		STD	0010	0264	3366	2687	0011906	0012	14594																
071		OBS	0019		33658																				
		STD	0020	0244	3366	2689	0011752	0024	14587																
		STD	0030	0224	3370	2693	0011299	0035	14560																
071		OBS	0037		33727																				
		STD	0050	0184	3380	2705	0010253	0057	14567																
071		OBS	0055		33833																				
071		OBS	0071	0142	33936	2718			14554																
		STD	0075	0151	3396	2720	0008815	0081	14559																
		STD	0100	0213	3412	2728	0008066	0102	14593																
071		OBS	0107	0232	34174	2731			14603																
		STD	0125	0293	3433	2738	0007158	0121	14635																
071		OBS	0142	0339	34456	2744			14659																
		STD	0150	0349	3449	2745	0006488	0138	14665																
		STD	0200	0402	3469	2756	0005560	0168	14698																
071		OBS	0216	0416	34745	2759			14707																
		STD	0250	0444	3483	2763	0005010	0194	14726																
071		OBS	0291	0466	34903	2766			14743																
		STD	0300	0463	3491	2767	0004679	0219	14743																
		STD	0400	0436	3493	2771	0004333	0264	14749																
071		OBS	T0447	0427	34939	2773			14753																
		STD	0500	0425	3493	2773	0004305	0307	14761																
		STD	0600	0414	3492	2773	0004398	0350	14772																
071		OBS	0620	0410	34912	2773			14774																
		STD	0700	0386	3490	2774	0004283	0394	14777																
		STD	0800	0356	3489	2777	0004104	0436	14781																
071		OBS	0802	0355	34887	2776			14781																
		STD	0900	0353	3489	2777	0004162	0477	14796																
071		OBS	T0990	0352	34892	2777			14811																

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DUTY INDEX	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT					
31	223	IN	44357N	048593W		149	48	01	29	093	1965	LC2	005	0284	02	22	2			X1	8	2	0036				
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB														
									27	514	110	017	011	7	08												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t ?	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C										
		STD	0000	0019	3316	2664	0014109	0000	14476																		
093		OBS	0000	0019	33163	2664			14476																		
		STD	0010	0009	3326	2672	0013319	0014	14475																		
		STD	0020	0003	3334	2679	0012678	0027	14475																		
093		OBS	0025	0001	33377	2682			14475																		
		STD	0030	0002	3340	2684	0012213	0039	14477																		
		STD	0050	0006	3347	2689	0011678	0063	14483																		
093		OBS	0050	0006	33472	2689			14483																		
		STD	0075	0007	3349	2690	0011555	0092	14488																		
093		OBS	0075	0007	33488	2690			14488																		
		STD	0100	0011	3352	2692	0011364	0121	14494																		
093		OBS	0100	0011	33515	2692			14494																		
		STD	0125	0016	3356	2696	0011042	0149	14501																		
		STD	0150	0029	3363	2701	0010575	0176	14512																		
093		OBS	0151	0030	33632	2701			14513																		
		STD	0200	0078	3385	2716	0009188	0225	14545																		
093		OBS	0201	0079	33852	2716			14546																		
093		OBS	T0232	0101	33995	2726			14563																		

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT		
31	223	IN	44365N	04908 W		149	49	01	29	109	1965	LC2	006	0159	00	23	2			X1	8	2	0037	
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB												
								26	S15	120	022	017	7	03										
MESSENGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ O DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₂ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S COND						
		STD	0000	0074	3314	2659	0014580		0000	14501														
109		OBS	0000	0074	33138	2659				14501														
		STD	0010	0065	3314	2660	0014493		0015	14498														
		STD	0020	0060	3315	2660	0014426		0029	14498														
109		OBS	0025	0059	33150	2661				14498														
		STD	0030	0061	3315	2660	0014414		0043	14500														
		STD	0050	0068	3314	2659	0014566		0072	14506														
109		OBS	0050	0068	33135	2659				14506														

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT		
31	223	IN	44405N	04921 W		149	49	01	29	123	1965	LC2	007	0055	00	22	2			X1	8	2	0038	
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB												
								26	S16	130	028	022	7	03										
MESSENGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ O DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₂ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S COND						
		STD	0000	0065	3314	2659	0014516		0000	14497														
123		OBS	0000	0065	33140	2659				14497														
		STD	0010	0065	3313	2658	0014607		0015	14498														
		STD	0020	0064	3312	2658	0014684		0029	14499														
123		OBS	0025	0063	33111	2657				14500														
		STD	0030	0062	3311	2658	0014695		0044	14500														
		STD	0050	0058	3312	2659	0014595		0073	14502														
123		OBS	0050	0058	33124	2659				14502														

TABLE II. Observed and interpolated oceanographic data taken by USCGC DUANE on North Atlantic Standard Monitoring Section 3, 14-15 February 1966; prepared from NODC listing No. 31-792.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS INCH	STATION TIME (GMT)					YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	792	OU	44406N	049185W		149	49	02	14	010	1966		026	0064	00	33			5	X1	6	2		0001
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. IM	DIR.	SPEED OR FORCE	METER (mba)	DRY BULB	WET BULB												
								32	535	215	007	006	7	04										
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C							
		STD	0000	0122	3354	2688	0011801	0000	14528															
	010	OBS	0000	0122	33540	2688			14528															
		STD	0010	0127	3354	2688	0011803	0012	14532															
	010	OBS	0010	0127	33544	2688			14532															
		STD	0020	0128	3354	2688	0011821	0024	14534															
	010	OBS	0024	0129	33543	2688			14535															
		STD	0030	0135	3358	2690	0011583	0035	14539															
	010	OBS	0049	0172	33844	2709			14563															

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS INCH	STATION TIME (GMT)					YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	792	DU	44367N	049057W		149	49	02	14	035	1966		027	0091	01	32			5	X1	6	2		0002
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. IM	DIR.	SPEED OR FORCE	METER (mba)	DRY BULB	WET BULB												
								32	517	215	011	000	7	05										
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C							
		STD	0000	0116	3349	2685	0012114	0000	14525															
	035	OBS	0000	0116	33494	2685			14525															
		STD	0010	0118	3351	2686	0012028	0012	14527															
	035	OBS	0010	0118	33507	2686			14527															
		STD	0020	0119	3351	2686	0012041	0024	14529															
	035	OBS	0024	0119	33506	2686			14530															
		STD	0030	0120	3351	2686	0012020	0036	14532															
	035	OBS	0049	0126	33542	2688			14538															
		STD	0050	0127	3355	2688	0011789	0060	14538															
	035	OBS	0073	0138	33631	2694			14548															

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDICATOR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				
31	792	DU	44322N	048488W		149	48	02	14	097	1966		028	1536	06	29			4	X1	6 1	0003
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. mm	DIR.	SPEED OF FORCE	mbsl	mbsl	DRY BULB	WET BULB									
									29	514	217	011	000	8	11							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C					
		STD	0000	0134	3354	2687	0011861	0000	14533													
	097	OBS	0000	0134	33542	2687			14533													
	097	OBS	0007	0135	33546	2688			14535													
		STD	0010	0142	3356	2688	0011777	0012	14539													
	097	OBS	0018	0170	33641	2693			14554													
		STD	0020	0187	3370	2696	0011023	0023	14562													
		STD	0030	0260	3396	2711	0009615	0034	14600													
	097	OBS	0037	0301	34107	2719			14620													
		STD	0050	0357	3430	2729	0007913	0051	14649													
	097	OBS	0055	0368	34338	2731			14655													
	097	OBS	0072	0360	34351	2733			14655													
		STD	0075	0361	3437	2735	0007445	0070	14656													
		STD	0100	0365	3447	2742	0006767	0088	14663													
	097	OBS	0100	0365	34468	2742			14663													
		STD	0125	0364	3452	2746	0006383	0104	14667													
		STD	0150	0362	3456	2750	0006089	0120	14671													
	097	OBS	T0152	0362	34567	2750			14672													
		STD	0200	0401	3468	2755	0005625	0149	14698													
		STD	0250	0431	3477	2759	0005317	0177	14720													
		STD	0300	0450	3483	2762	0005130	0203	14737													
	097	OBS	T0307	0452	34840	2762			14739													
		STD	0400	0443	3485	2764	0005008	0254	14750													
	097	OBS	0464	0435	34857	2766			14758													
		STD	0500	0429	3486	2766	0004916	0303	14761													
	097	OBS	0598	0411	34849	2768			14770													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDICATOR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				
31	792	DU	44294N	048357W		149	48	02	14	132	1966		029	2651	09	34			4	X1	6 6	0004
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. mm	DIR.	SPEED OF FORCE	mbsl	mbsl	DRY BULB	WET BULB									
									28	514	235	033	022	7	11							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C					
		STD	0000	0468	3431	2719	0008870	0000	14688													
	132	OBS	0000	0468	34314	2719			14688													
		STD	0010	0468	3431	2719	0008880	0009	14689													
	132	OBS	0010	0468	34314	2719			14689													
		STD	0020	0466	3431	2719	0008872	0018	14690													
	132	OBS	0027	0465	34313	2719			14691													
		STD	0030	0451	3431	2721	0008752	0027	14686													
		STD	0050	0380	3431	2728	0008057	0043	14659													
	132	OBS	0052	0375	34306	2728			14657													
		STD	0075	0344	3432	2732	0007686	0063	14648													
	132	OBS	0079	0338	34318	2733			14646													
		STD	0100	0433	3454	2741	0006909	0081	14693													
	132	OBS	0105	0450	34587	2743			14701													
		STD	0125	0477	3465	2745	0006584	0098	14717													
		STD	0150	0500	3473	2748	0006271	0114	14731													
	132	OBS	0159	0505	34753	2750			14735													
		STD	0200	0509	3484	2756	0005609	0144	14745													
	132	OBS	0203	0509	34850	2757			14745													
		STD	0250	0499	3487	2759	0005332	0171	14749													
		STD	0300	0488	3489	2762	0005114	0197	14753													
		STD	0400	0467	3492	2767	0004761	0247	14761													
	132	OBS	T0425	0462	34924	2768			14763													
		STD	0500	0443	3492	2770	0004592	0294	14768													
		STD	0600	0423	3492	2772	0004464	0339	14776													
	132	OBS	0641	0416	34918	2773			14780													
		STD	0700	0408	3492	2773	0004412	0383	14786													
		STD	0800	0400	3491	2774	0004436	0427	14800													
	132	OBS	T0858	0398	34913	2774			14808													

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DNFT INDCTR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT					
31	792	DU	44265N	048170W		149	48	02	14	159	1966		030	3292	13	34			4	X1	6	7	0005			
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbx)	DRY BULB	WET BULB														
								24	520	215	067	044	7					12								
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ O OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	S CC									
		STD	0000	0453																						
159		OBS	0000	0453	34710	2752Q																				
159		OBS	0009	0435	34330	2724				14676																
		STD	0010	0434	3433	2724	0008407			14676																
		STD	0020	0427	3433	2725	0008323			14674																
159		OBS	0025	0422	34334	2726				14673																
		STD	0030	0412	3433	2727	0008181			14670																
		STD	0050	0391	3433	2728	0008037			14664																
159		OBS	0050	0391	34327	2728				14664																
		STD	0075	0405	3449	2740	0006977			14676																
159		OBS	0076	0406	34491	2740				14677																
		STD	0100	0386	3455	2746	0006386			14673																
159		OBS	0100	0386	34546	2746				14673																
		STD	0125	0375	3457	2749	0006115			14673																
159		OBS	0148	0364	34612	2754				14673																
		STD	0150	0367	3462	2754	0005686			14674																
159		OBS	0197	0426	34762	2759				14709																
		STD	0200	0426	3476	2759	0005258			14709																
		STD	0250	0425	3479	2762	0005073			14717																
		STD	0300	0423	3483	2764	0004870			14725																
159		OBS	T0395	0417	34883	2770				14739																
		STD	0400	0416	3488	2770	0004461			14740																
		STD	0500	0399	3489	2772	0004341			14749																
		STD	0600	0386	3489	2773	0004268			14760																
159		OBS	T0650	0380	34892	2774				14766																
		STD	0700	0377	3489	2775	0004243			14773																
		STD	0800	0372	3489	2775	0004267			14788																
		STD	0900	0367	3489	2776	0004289			14802																
		STD	1000	0363	3490	2776	0004320			14817																
159		OBS	T1044	0361	34895	2776				14824																
		STD	1100	0359	3490	2777	0004319			14832																
		STD	1200	0355	3491	2778	0004280			14847																
159		OBS	1251	0353	34912	2779				14855																

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	792	0U	44248N	047555W	149	47	02	14	205	1966		032	3840	14	32			4	X2	5	8	0006	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	ORY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS										
								17	S18	159	078	056	7	13									
MESSAGE TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ CTN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SiO ₄ -Si $\mu g - at/l$	pH	S C						
		STD	0000	0558	3429	2706	0010053	0000	14724														
205		OBS	0000	0558	34289	2706			14724														
		STD	0010	0521	3430	2712	0009577	0010	14711														
205		OBS	0011	0517	34299	2712			14710														
		STD	0020	0464	3432	2720	0008803	0019	14690														
205		OBS	0029	0423	34334	2725			14674														
		STD	0030	0420	3433	2726	0008254	0028	14673														
		STD	0050	0380	3433	2730	0007884	0044	14659														
205		OBS	0057	0372	34333	2731			14657														
		STD	0075	0375	3436	2733	0007649	0063	14662														
205		OBS	0086	0376	34374	2733			14664														
		STD	0100	0365	3437	2735	0007473	0082	14662														
205		OBS	0115	0361	34373	2735			14663														
		STD	0125	0367	3442	2738	0007168	0100	14667														
		STD	0150	0387	3454	2746	0006486	0117	14682														
205		OBS	0174	0415	34639	2751			14699														
		STD	0200	0467	3475	2754	0005808	0148	14726														
205		OBS	0230	0514	34857	2757			14752														
		STD	0250	0504	3486	2758	0005465	0176	14751														
		STD	0300	0479	3488	2763	0005085	0203	14749														
		STD	0400	0438	3490	2769	0004579	0251	14749														
205		OBS	0466	0417	34905	2771			14751														
		STD	0500	0411	3491	2772	0004333	0296	14754														
		STD	0600	0394	3491	2774	0004231	0338	14764														
		STD	0700	0382	3491	2775	0004173	0380	14775														
205		OBS	0750	0378	34910	2776			14782														
		STD	0800	0376	3492	2777	0004113	0422	14790														
		STD	0900	0373	3492	2777	0004166	0463	14805														
205		OBS	10946	0371	34921	2777			14812														
		STD	1000	0369	3492	2777	0004236	0505	14820														
		STD	1100	0365	3491	2777	0004347	0548	14835														
		STD	1200	0359	3490	2777	0004424	0592	14849														
205		OBS	1215	0358	34895	2777			14851														
		STD	1300	0352	3490	2778	0004398	0636	14863														
		STD	1400	0344	3491	2779	0004304	0680	14876														
205		OBS	1435	0341	34921	2780			14881														

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARSSEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10°	1°	MO		DAY	HR.1/10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER	
31	792	DU	44203N	047340W	149	47	02	14	231	1966	033	3884	13	16			4	X6	5 8	0007
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. m	DIR.	SPEED OR FORCE	MBAR	DRY BULB	WET BULB								
									16	528	112	078	072	6	13					
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - \text{at/l}$	TOTAL-P $\mu g - \text{at/l}$	NO ₃ -N $\mu g - \text{at/l}$	NO ₃ -N $\mu g - \text{at/l}$	SiO ₄ -Si $\mu g - \text{at/l}$	pH			
		STD	0000	0589	3426	2700	0010627		0000	14737										
231		OBS	0000	0589	34261	2700				14737										
		STD	0010	0586	3426	2701	0010600		0011	14737										
231		OBS	0011	0586	34262	2701				14737										
		STD	0020	0587	3426	2701	0010622		0021	14739										
231		OBS	0029	0588	34262	2701				14741										
		STD	0030	0588	3426	2701	0010647		0032	14741										
		STD	0050	0587	3426	2701	0010672		0053	14744										
231		OBS	0057	0587	34260	2701				14745										
		STD	0075	0588	3427	2701	0010661		0080	14749										
231		OBS	0085	0590	34273	2701				14751										
		STD	0100	0601	3441	2711	0009792		0105	14760										
231		OBS	0112	0602	34504	2718				14763										
		STD	0125	0581	3460	2728	0008163		0128	14758										
		STD	0150	0546	3474	2744	0006730		0146	14750										
231		OBS	0169	0525	34812	2752				14746										
		STD	0200	0506	3483	2755	0005652		0177	14743										
231		OBS	T0231	0489	34854	2759				14742										
		STD	0250	0479	3486	2761	0005177		0204	14741										
		STD	0300	0456	3487	2764	0004899		0230	14740										
		STD	0400	0418	3489	2770	0004431		0276	14741										
231		OBS	T0443	0406	34893	2772				14743										
		STD	0500	0403	3491	2773	0004214		0320	14751										
		STD	0600	0397	3493	2776	0004094		0361	14765										
		STD	0700	0389	3493	2776	0004097		0402	14779										
231		OBS	0728	0386	34931	2777				14782										
		STD	0800	0378	3492	2777	0004136		0443	14790										
231		OBS	T0865	0371	34907	2776				14798										
		STD	0900	0369	3491	2777	0004188		0485	14803										
		STD	1000	0361	3492	2778	0004116		0526	14817										
		STD	1100	0354	3492	2779	0004116		0568	14831										
231		OBS	T1104	0354	34924	2779				14831										
		STD	1200	0349	3493	2780	0004060		0608	14845										
231		OBS	1279	0346	34933	2781				14857										

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DRIFT DROGHT	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S				DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MD	DAY	HR.		1/10	CRUISE NO.	STATION NUMBER				DIR.	HGT	PER	SEA		TYPE	AMT	
31	792	DJ	44145N	047098W		149	47	02	15	024	1966		034			4023	09	21			5	X5	6 8		0008
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
						COLDR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS. CODE												
								21	S29	078	089	089	4	13											
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SIO ₄ -Si $\mu g - dl/l$	pH	S CLO								
		STD	0000	0576	3415	2693	0011326	0000	14730																
	024	OBS	0000	0576	34147	2693			14730																
	024	OBS	0004	0573	34154	2694			14729																
		STD	0010	0575	3415	2694	0011282	0011	14731																
	024	OBS	0015	0576	34152	2693			14732																
		STD	0020	0575	3417	2695	0011167	0023	14733																
		STD	0030	0573	3420	2698	0010929	0034	14734																
	024	OBS	0033	0572	34207	2698			14734																
		STD	0050	0575	3421	2698	0010941	0055	14738																
	024	OBS	0052	0575	34205	2698			14739																
	024	OBS	0070	0580	34235	2700			14744																
		STD	0075	0580	3424	2700	0010784	0083	14745																
		STD	0100	0577	3425	2701	0010677	0109	14748																
	024	OBS	0103	0577	34255	2701			14749																
		STD	0125	0560	3460	2731	0007910	0133	14750																
	024	OBS	T0147	0543	34834	2751			14750																
		STD	0150	0540	3484	2752	0005913	0150	14749																
		STD	0200	0496	3495	2766	0004641	0176	14741																
	024	OBS	0208	0490	34964	2768			14740																
		STD	0250	0474	3496	2770	0004344	0199	14740																
		STD	0300	0459	3496	2772	0004231	0220	14742																
		STD	0400	0438	3497	2774	0004095	0262	14750																
	024	OBS	T0457	0432	34965	2775			14757																
		STD	0500	0432	3498	2776	0004024	0302	14764																
	024	OBS	T0561	0433	34994	2777			14775																
		STD	0600	0429	3499	2777	0003984	0342	14780																
		STD	0700	0418	3500	2778	0003949	0382	14792																
	024	OBS	T0743	0413	34995	2779			14797																
		STD	0800	0405	3499	2779	0003931	0422	14803																
	024	OBS	0893	0391	34986	2781			14812																

TABLE II.—Continued

REFERENCE		SNIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE MO DAY HR, 1/10	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	792	DU	44074N	046336W	149 46 02 15 059	149	46	02	15	059	1966	035	4023	13	24			5	X2	5	8	0009
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTNS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANSL (m)	DIR.	SPEED OR FORCE	METER	DRY BULB	WET BULB	VIS. CODE									
								25	530	024	117	106	5	13								
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-10 ³	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	Si O ₄ -Si μg - dl/l	pH	SCC					
		STD	0000	0706	3399	2664	0014091	0000	14780													
059		OBS	0000	0706	33993	2664			14780													
059		OBS	0007	0696	34099	2674			14778													
		STD	0010	0699	3412	2675	0013068	0014	14780													
		STD	0020	0708	3417	2677	0012859	0027	14786													
059		OBS	0020	0708	34166	2677			14786													
		STD	0030	0709	3422	2681	0012485	0039	14789													
059		OBS	0049	0711	34283	2686			14793													
		STD	0050	0711	3428	2686	0012075	0064	14794													
		STD	0075	0715	3429	2686	0012147	0094	14799													
059		OBS	0077	0715	34285	2686			14800													
059		OBS	0081	0716	34399	2694			14802													
		STD	0100	0723	3467	2715	0009431	0121	14811													
059		OBS	0121	0730	34848	2728			14820													
		STD	0125	0719	3485	2729	0008098	0143	14816													
		STD	0150	0654	3485	2738	0007277	0162	14795													
059		OBS	0164	0622	34846	2742			14785													
		STD	0200	0595	3487	2748	0006425	0196	14780													
		STD	0250	0562	3490	2754	0005860	0227	14775													
		STD	0300	0535	3493	2760	0005373	0255	14773													
059		OBS	T0352	0512	34960	2765			14772													
		STD	0400	0508	3498	2767	0004799	0306	14779													
		STD	0500	0493	3502	2772	0004439	0352	14790													
059		OBS	T0567	0480	35031	2774			14796													
		STD	0600	0466	3503	2776	0004154	0395	14795													
		STD	0700	0431	3503	2780	0003843	0435	14798													
		STD	0800	0409	3503	2782	0003682	0473	14805													
059		OBS	0804	0408	35029	2782			14805													
		STD	0900	0409	3501	2781	0003930	0511	14821													
		STD	1000	0410	3500	2780	0004114	0551	14838													
059		OBS	1054	0411	34990	2779			14848													
		STD	1100	0411	3499	2779	0004291	0593	14855													
		STD	1200	0410	3498	2778	0004447	0637	14871													
059		OBS	1269	0408	34974	2778			14882													

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	792	OU	43481N	045405W		149	35	02	15	100	1966		036	4108	10	26			5	X4	5	8	0010
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE			DRY BULB	WET BULB	VIS. CODE									
									27	535	030	072	061	6	12								
MESSAGE TIME HR. 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND SALTY-2107	$\Sigma \Delta \sigma_t$ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₃ -N µg - ml/l	NO ₂ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S C						
		STD	0000	0672	3416	2682	0012420	0000	14768														
100		OBS	0000	0672	34158	2682			14768														
100		OBS	0009	0681	34145	2679			14773														
		STD	0010	0682	3415	2680	0012617	0013	14774														
		STD	0020	0687	3419	2682	0012398	0025	14778														
100		OBS	0021	0687	34195	2682			14778														
		STD	0030	0692	3420	2682	0012410	0037	14782														
100		OBS	0041	0696	34206	2682			14785														
		STD	0050	0699	3425	2685	0012160	0062	14788														
100		OBS	0062	0700	34311	2690			14792														
		STD	0075	0700	3435	2693	0011467	0092	14794														
		STD	0100	0679	3441	2700	0010782	0119	14791														
100		OBS	0121	0642	34448	2708			14780														
		STD	0125	0628	3445	2710	0009864	0145	14775														
		STD	0150	0549	3447	2722	0008782	0168	14748														
100		OBS	0161	0520	34487	2727			14738														
		STD	0200	0512	3460	2737	0007439	0209	14743														
		STD	0250	0505	3472	2747	0006521	0244	14750														
		STD	0300	0502	3483	2756	0005725	0275	14758														
100		OBS	T0324	0501	34873	2759			14762														
		STD	0400	0516	3499	2767	0004821	0327	14782														
100		OBS	0490	0517	35059	2772			14799														
		STD	0500	0514	3506	2773	0004421	0373	14799														
		STD	0600	0484	3504	2774	0004335	0417	14803														
100		OBS	T0664	0467	35021	2775			14806														
		STD	0700	0460	3501	2775	0004340	0461	14809														
		STD	0800	0437	3499	2776	0004314	0504	14816														
100		OBS	T0864	0422	34976	2777			14820														
		STD	0900	0413																			
		STD	1000	0386																			
100		OBS	1028	0378	3474P	2762P																	

TABLE III. Observed and interpolated oceanographic data taken by USCGC HUMBOLDT on North Atlantic Standard Monitoring Sections 2 and 3, 9-12 March 1966; prepared from NODC listing No. 31-702.

REFERENCE	SHIP CODE	LATITUDE ° 10'	LONGITUDE ° 10'	DEPTH METERS	MARSDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	702	HU	4440 N	04918 W	149	49 03 09 092	1966		026	0057	01	05	3	4		X6	5 8	0001
					WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS				
					COLOR CODE	TRANS. IMT	DIR.	SPEED OR FORCE		DRY BULB	WET BULB							
								33	515	254	017	6	04					

MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	DTW
		STD	0000	0107	3356	2690	0011588	0000	14521								
092		OBS	0000	0107	33556	2690			14521								
		STD	0010	0103	3356	2691	0011542	0012	14521								
092		OBS	0010	0103	33559	2691			14521								
		STD	0020	0102	3356	2691	0011530	0023	14523								
092		OBS	0025	0102	33567	2692			14524								
		STD	0030	0102	3357	2692	0011476	0035	14524								
		STD	0050	0100	3357	2692	0011450	0058	14527								
092		OBS	0054	0100	33569	2692			14527								

REFERENCE	SHIP CODE	LATITUDE ° 10'	LONGITUDE ° 10'	DEPTH METERS	MARSDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		TYPE	AMT	
31	702	HU	4436 N	04904 W	149	49 03 09 112	1966		027	0002	00	18	2	3		X6	5 8	0002
					WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS				
					COLOR CODE	TRANS. IMT	DIR.	SPEED OR FORCE		DRY BULB	WET BULB							
								36	514	254	022	7	04					

MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	DTW
		STD	0000	0149													
112		OBS	0000	0149													
		STD	0010	0147													
112		OBS	0010	0147													
		STD	0020	0140													
112		OBS	0025	0137	33782	2706			14542								
		STD	0030	0135	3379	2707	0009996		14542								
		STD	0050	0135	3382	2710	0009772		14546								
112		OBS	0050	0135	33819	2710			14546								

TABLE III.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT 1/10	MARSDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	702	HU	4434 N	04855 W	149 48	03 09 127	1966		027-A	0192	02	18	2	2		X6	5 8	0003
					WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
COLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE										
			01	S17	264	022		6	08									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	STC	
		STD	0000	3373														
	127	OBS	0000	33732														
	127	OBS	0009	33771														
		STD	0010	3378														
		STD	0020	3383														
	127	OBS	0024	33847														
		STD	0030	3389														
	127	OBS	0048	33971														
		STD	0050	3397														
	127	OBS	0072	34002														
		STD	0075	3401														
	127	OBS	0096	34085														
		STD	0100	3409														
		STD	0125	3414														
	127	OBS	0145	34179														
		STD	0150	3421														
	127	OBS	0154	34243														

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT 1/10	MARSDEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	702	HU	44330N	048500W	149 48	03 09 143	1966		028	0768	07	02		2		X6	5 8	0004
					WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
COLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE										
			02	S17	261	028			05									
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	STC	
		STD	0000	0107	3358	2692	0011428	0000	14522									
	143	OBS	0000	0107	33577	2692			14522									
		STD	0010	0120	3366	2698	0010877	0011	14530									
		STD	0020	0132	3374	2703	0010347	0022	14539									
		STD	0030	0144	3381	2708	0009896	0032	14546									
		STD	0050	0167	3395	2718	0008996	0051	14562									
		STD	0075	0195	3411	2729	0007995	0072	14581									
	143	OBS	0091	0212	34200	2734			14592									
		STD	0100	0223	3423	2736	0007313	0091	14599									
		STD	0125	0251	3432	2741	0006674	0109	14616									
		STD	0150	0276	3441	2746	0006422	0126	14632									
		STD	0200	0319	3454	2752	0005867	0156	14661									
		STD	0250	0351	3463	2758	0005388	0184	14684									
	143	OBS	T0276	0364	34687	2760			14695									
		STD	0300	0365	3469	2760	0005270	0211	14699									
		STD	0400	0369	3469	2759	0005395	0264	14717									
	143	OBS	T0462	0371	34700	2760			14728									
		STD	0500	0373	3471	2761	0005378	0318	14736									
		STD	0600	0382	3472	2760	0005489	0373	14756									
	143	OBS	0678	0390	34742	2761			14773									

TABLE III.—Continued

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TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRAFT INCHES	MARS DEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT			
31	702	HU	44 26 N	048 21 W		149	48	03	09	202	1966		030		2743	13	18			3	X6	5	8		0006
						WATER		WIND		BARO- METER		AIR TEMP. °C		ND. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	mmHg	DRY BULB	WET BULB	VIS. COE												
								29	504	240	078		5	13											
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C							
		STD	0000	0559	3444	2718	0008942		0000	14727															
202		OBS	0000	0559	34439	2718				14727															
		STD	0010	0557	3445	2719	0008849		0009	14728															
202		OBS	0012	0556	34454	2720				14728															
		STD	0020	0548	3447	2722	0008608		0018	14726															
202		OBS	0029	0543	34491	2724				14726															
		STD	0030	0543	3449	2724	0008394		0026	14726															
		STD	0050	0548	3453	2727	0008192		0043	14732															
202		OBS	0057	0550	34544	2728				14734															
		STD	0075	0537	3458	2732	0007726		0063	14732															
202		OBS	0086	0527	34589	2734				14730															
		STD	0100	0508	3458	2736	0007403		0082	14724															
202		OBS	0115	0497	34577	2737				14722															
		STD	0125	0507	3462	2739	0007144		0100	14729															
		STD	0150	0525	3470	2743	0006783		0117	14741															
202		OBS	0171	0532	34766	2747				14748															
		STD	0200	0524	3483	2753	0005862		0149	14751															
202		OBS	T0227	0516	34880	2758				14752															
		STD	0250	0500	3488	2760	0005269		0177	14750															
		STD	0300	0470	3488	2764	0004975		0202	14746															
		STD	0400	0422	3488	2769	0004527		0250	14742															
202		OBS	T0450	0404	34884	2771				14743															
		STD	0500	0397	3489	2772	0004297		0294	14748															
		STD	0600	0385	3489	2774	0004257		0337	14760															
202		OBS	T0668	0378	34897	2775				14768															
		STD	0700	0375	3490	2775	0004161		0379	14772															
		STD	0800	0368	3490	2776	0004170		0420	14786															
202		OBS	T0888	0363	34905	2777				14799															
		STD	0900	0363	3491	2777	0004161		0462	14801															
		STD	1000	0361	3491	2777	0004208		0504	14816															
		STD	1100	0359	3491	2778	0004253		0546	14832															
202		OBS	T1130	0358	34910	2778				14837															
		STD	1200	0356	3491	2778	0004277		0589	14848															
		STD	1300	0354	3492	2779	0004305		0632	14864															
202		OBS	1330	0353	34917	2779				14869															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1' 10"	LONGITUDE ° 1' 10"	OBS. INDEX	MARDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR	1/10		CRUISE NO.	STATION NUMBR			DIR	HGT	PER		SEA	TYPE		AMT
31	702	HU	4425 N	04805 W		149	48	03	09	239	1966		031		3200	12	19			3	X4	5	8	0007
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB												
								15	508	244	083		1	13										
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANDMALT-2107	Σ Δ D CYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	SCC							
		STD	0000	0508	3447	2727	0008139	0000	14706															
239	OBS	0000	0508	34469	2727				14706															
	STD	0010	0498	3448	2729	0007965	0008	14704																
239	OBS	0010	0498	34479	2729			14704																
	STD	0020	0498	3449	2730	0007695	0016	14706																
239	OBS	0025	0495	34491	2730			14705																
	STD	0030	0487	3450	2732	0007711	0024	14703																
	STD	0050	0452	3453	2738	0007132	0039	14692																
239	OBS	0052	0449	34533	2738			14691																
	STD	0075	0407	3455	2744	0006565	0056	14678																
239	OBS	0077	0405	34548	2744			14677																
	STD	0100	0398	3459	2748	0006174	0072	14679																
239	OBS	0103	0397	34592	2749			14679																
	STD	0125	0426	3466	2751	0005961	0087	14696																
	STD	0150	0454	3474	2754	0005686	0101	14712																
239	OBS	0154	0458	34754	2755			14715																
	STD	0200	0493	3489	2762	0005055	0128	14739																
239	OBS	T0206	0497	34910	2763			14742																
	STD	0250	0496	3493	2765	0004842	0153	14749																
	STD	0300	0492	3496	2767	0004668	0177	14756																
	STD	0400	0477	3500	2773	0004252	0221	14767																
239	OBS	T0412	0475	35010	2773			14768																
	STD	0500	0443	3499	2775	0004079	0263	14769																
	STD	0600	0416	3497	2776	0004049	0304	14774																
239	OBS	T0616	0413	34961	2776			14775																
	STD	0700	0404	3496	2777	0004046	0344	14785																
	STD	0800	0393	3495	2778	0004087	0385	14797																
239	OBS	T0822	0390	34949	2778			14800																
	STD	0900	0377	3493	2778	0004139	0426	14807																
	STD	1000	0365	3492	2778	0004159	0467	14818																
239	OBS	T1048	0361	34911	2778			14825																
	STD	1100	0358	3491	2778	0004234	0509	14832																
	STD	1200	0356	3491	2778	0004292	0552	14848																
239	OBS	1235	0356	34908	2778			14854																

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	IO. ND.					10"	1"	MO		DAY	HR./10			CRUISE NO.	STATION NUMBER	DIR.		HIGH	PER		SEA	TYPE	AMT
31	702	HU	4423 N	04754 W	149	47	03	10	040	1966	032	3200	12	19			3	X4	5	8	0008		
					WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER	DRY BULB	WET BULB	VIS. CODE											
								13	512	230	078	1				13							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PD ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	SEC						
		STD	0000	0546	3434	2712	0009571	0000	14720														
040		OBS	0000	0546	34335	2712			14720														
		STD	0010	0492	3434	2718	0008935	0009	14700														
040		OBS	0010	0492	34341	2718			14700														
		STD	0020	0419	3434	2726	0008204	0018	14671														
040		OBS	0025	0402	34336	2728			14665														
		STD	0030	0437	3436	2726	0008232	0026	14680														
		STD	0050	0526	3444	2722	0008617	0043	14722														
040		OBS	0052	0530	34442	2722			14724														
		STD	0075	0520	3446	2724	0008452	0064	14723														
040		OBS	0077	0519	34458	2725			14723														
		STD	0100	0515	3446	2725	0008402	0085	14726														
040		OBS	0103	0513	34463	2726			14725														
		STD	0125	0441	3448	2735	0007491	0105	14699														
		STD	0150	0405	3449	2740	0007013	0123	14689														
040		OBS	0155	0404	34497	2740			14689														
		STD	0200	0504	3477	2751	0006077	0156	14742														
040		OBS	T0209	0519	34820	2753			14750														
		STD	0250	0501	3485	2758	0005505	0185	14750														
		STD	0300	0482	3488	2762	0005120	0212	14751														
		STD	0400	0449	3492	2769	0004555	0260	14754														
040		OBS	T0411	0446	34923	2770			14755														
		STD	0500	0427	3492	2772	0004387	0305	14761														
		STD	0600	0409	3492	2774	0004289	0348	14770														
040		OBS	T0615	0407	34922	2774			14772														
		STD	0700	0395	3491	2774	0004314	0391	14781														
		STD	0800	0384	3491	2775	0004279	0434	14793														
040		OBS	T0819	0382	34905	2775			14795														
		STD	0900	0376	3490	2776	0004320	0477	14806														
		STD	1000	0370	3490	2776	0004343	0520	14820														
040		OBS	T1044	0367	34902	2776			14826														
		STD	1100	0363	3490	2777	0004338	0564	14834														
		STD	1200	0357	3491	2778	0004319	0607	14848														
040		OBS	1225	0356	34909	2778			14852														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. ND.						10°	1°	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	MAX. DEPTH OF S'AMPL'S				TYPE AMT			
																	DIR.	HGT	PER		SEA	TYPE		AMT
31	702	HU	4420 N	04733 W		149	47	03	10	105	1966		033	3475	10	15			3	X5	2	8		0009
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB												
									13		522	213					094		13					
MESSENGER TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu g - \text{at/l}$	TOTAL-P $\mu g - \text{at/l}$	NO ₃ -N $\mu g - \text{at/l}$	NO ₃ -H $\mu g - \text{at/l}$	SI O ₄ -S $\mu g - \text{at/l}$	pH							
		STD	0000	0591	3438	2710	0009760		0000	14739														
105		OBS	0000	0591	34380	2710				14739														
105		OBS	0007	0594	34400	2711				14742														
		STD	0010	0597	3440	2710	0009696		0010	14743														
105		OBS	0018	0604	34400	2710				14747														
		STD	0020	0604	3441	2710	0009724		0019	14748														
		STD	0030	0607	3444	2712	0009540		0029	14751														
105		OBS	0037	0608	34449	2713				14753														
		STD	0050	0596	3445	2714	0009372		0048	14750														
105		OBS	0056	0590	34449	2715				14749														
		STD	0075	0571	3444	2717	0009157		0071	14744														
105		OBS	0075	0571	34442	2717				14744														
		STD	0100	0594	3455	2723	0008660		0093	14759														
105		OBS	0111	0604	34586	2724				14765														
		STD	0125	0578	3461	2729	0008052		0114	14757														
105		OBS	0148	0541	34643	2737				14747														
		STD	0150	0540	3465	2737	0007332		0134	14747														
		STD	0200	0515	3476	2749	0006279		0168	14746														
		STD	0250	0496	3484	2757	0005521		0197	14748														
105		OBS	T0294	0483	34886	2763				14750														
		STD	0300	0483	3489	2763	0005086		0224	14751														
		STD	0400	0476	3489	2763	0005112		0275	14765														
105		OBS	0437	0472	34887	2764				14769														
		STD	0500	0462	3494	2769	0004665		0323	14776														
105		OBS	T0593	0445	34975	2774				14785														
		STD	0600	0443	3497	2774	0004326		0368	14785														
		STD	0700	0420	3495	2775	0004307		0412	14792														
105		OBS	T0784	0402	34934	2775				14798														
		STD	0800	0399	3493	2775	0004305		0455	14799														
		STD	0900	0379	3491	2776	0004310		0498	14807														
105		OBS	0953	0369	34901	2776				14812														

TABLE III.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRAFT METER	MARGSON SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4415 N	04611 W	149	46	03	10	139	1966		034	3432	11	18			3	X3	4	6		0010
					WATER		WIND		AIR TEMP. °C														
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
							01	S15	183	122	106	7	13										
MESSENGER TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³		Σ Δ σ OYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CC				
		STD	0000	0663	3440	2701	0010529		0000		14768												
139		OBS	0000	0663	34396	2701					14768												
139		OBS	0009	0661	34400	2702					14769												
		STD	0010	0667	3440	2701	0010558		0011		14771												
		STD	0020	0706	3441	2696	0011036		0021		14788												
139		OBS	0023	0712	34409	2696					14791												
		STD	0030	0689	3443	2701	0010657		0032		14784												
139		OBS	0045	0662	34474	2708					14776												
		STD	0050	0670	3449	2708	0009993		0053		14780												
139		OBS	0067	0680	34534	2710					14788												
		STD	0075	0668	3453	2711	0009707		0077		14784												
139		OBS	0089	0650	34529	2714					14779												
		STD	0100	0642	3457	2718	0009111		0101		14778												
		STD	0125	0624	3466	2727	0008248		0123		14776												
139		OBS	0134	0618	34682	2730					14776												
		STD	0150	0606	3471	2734	0007685		0143		14774												
139		OBS	T0185	0581	34773	2742					14771												
		STD	0200	0575	3480	2745	0006699		0179		14771												
		STD	0250	0555	3486	2752	0006073		0210		14772												
		STD	0300	0533	3491	2759	0005498		0239		14772												
139		OBS	T0357	0506	34938	2764					14771												
		STD	0400	0476	3493	2767	0004791		0291		14765												
		STD	0500	0422	3490	2770	0004501		0337		14759												
139		OBS	T0529	0410	34898	2772					14759												
		STD	0600	0393	3489	2773	0004354		0382		14763												
		STD	0700	0376	3488	2773	0004351		0425		14772												
139		OBS	T0714	0375	34874	2773					14774												
		STD	0800	0376	3489	2775	0004333		0469		14789												
		STD	0900	0377	3490	2775	0004357		0512		14806												
139		OBS	T0930	0377	34904	2776					14811												
		STD	1000	0375	3490	2776	0004395		0556		14822												
		STD	1100	0368	3490	2776	0004405		0600		14836												
139		OBS	1129	0366	34903	2777					14840												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° ' 1/10	TIDE INDICATOR	MARDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOQ STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR			HGT PER	SEA	TYPE	AMT					
31	702	HU	4408 N	04630 W		149	46	03	10	207	1966		035		3734	13	18			6	X3	3	8		0011
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	IMBAL		DRY BULB	WET BULB																
				14	S23	139		111	100	7	13														
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CUC								
		STD	0000	0895	3476	2695	0011102	0000	14862																
207		OBS	0000	0895	34755	2695			14862																
207		OBS	0008	0898	34752	2695			14864																
		STD	0010	0897	3476	2695	0011152	0011	14864																
		STD	0020	0892	3477	2697	0011000	0022	14864																
207		OBS	0022	0891	34771	2697			14864																
		STD	0030	0913	3483	2698	0010882	0033	14875																
207		OBS	0045	0921	34878	2701			14881																
		STD	0050	0896	3482	2700	0010735	0055	14871																
207		OBS	0068	0852	34750	2702			14857																
		STD	0075	0870	3483	2705	0010315	0081	14866																
207		OBS	0090	0898	34956	2711			14881																
		STD	0100	0881	3497	2714	0009494	0106	14876																
		STD	0125	0841	3498	2722	0008864	0129	14865																
207		OBS	0136	0616P	34982	2754P																			
		STD	0150	0804	3495	2725	0008587	0151	14855																
207		OBS	T0183	0758	34913	2729			14842																
		STD	0200	0737	3494	2734	0007790	0192	14837																
		STD	0250	0680	3499	2746	0006715	0228	14824																
207		OBS	T0269	0660	35000	2749			14819																
		STD	0300	0628	3498	2752	0006173	0260	14811																
207		OBS	0364	0571	34965	2758			14799																
		STD	0400	0543	3498	2763	0005226	0317	14793																
207		OBS	T0494	0486	35000	2771			14786																
		STD	0500	0485	3500	2771	0004492	0366	14786																
		STD	0600	0465	3499	2773	0004439	0410	14795																
		STD	0700	0447	3498	2774	0004405	0454	14804																
207		OBS	T0747	0439	34972	2774			14808																
		STD	0800	0430	3497	2775	0004377	0498	14813																
		STD	0900	0416	3496	2776	0004381	0542	14 24																
		STD	1000	0402	3495	2777	0004381	0586	14834																
		STD	1100	0391	3494	2777	0004412	0630	14846																
		STD	1200	0381	3493	2777	0004451	0674	14859																
207		OBS	1255	0376	34924	2777			14866																

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
31	702	HU	4403 N	04540 W		149	45	03	11	015	1966	036	3986	10	23			2	X6	5	8	0012				
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR	TRANS. mi	DIR.	SPEED OF FORCE		DRY BULB	WET BULB														
						CODE																				
								23	524	149	111	111	5	13												
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	S C									
		STD	0000	0627	3412	2684	0012155	0000	14750																	
	015	OBS	0000	0627	34118	2684			14750																	
	015	OBS	0008	0629	34121	2684			14752																	
		STD	0010	0628	3412	2685	0012143	0012	14752																	
		STD	0020	0623	3413	2686	0012038	0024	14752																	
	015	OBS	0021	0622	34131	2686			14752																	
		STD	0030	0590	3418	2694	0011284	0036	14741																	
	015	OBS	0040	0567	34238	2701			14734																	
		STD	0050	0560	3429	2706	0010132	0057	14733																	
	015	OBS	0054	0557	34310	2708			14733																	
	015	OBS	0073	0534	34369	2716			14728																	
		STD	0075	0534	3438	2717	0009193	0081	14728																	
		STD	0100	0539	3447	2723	0008605	0104	14736																	
	015	OBS	0104	0540	34475	2723			14737																	
		STD	0125	0506	3445	2725	0008404	0125	14726																	
	015	OBS	T0139	0488	34439	2727			14721																	
		STD	0150	0488	3444	2727	0008305	0146	14722																	
		STD	0200	0486	3446	2729	0008189	0187	14730																	
		STD	0250	0484	3448	2730	0008072	0228	14738																	
	015	OBS	0278	0483	34492	2731			14742																	
		STD	0300	0482	3450	2732	0007969	0268	14745																	
		STD	0400	0477	3452	2735	0007830	0347	14760																	
	015	OBS	0430	0475	34531	2735			14764																	
		STD	0500	0450	3476	2756	0005864	0415	14769																	
	015	OBS	0594	0430	34954	2774			14779																	
		STD	0600	0430	3496	2774	0004288	0466	14780																	
		STD	0700	0433	3497	2775	0004330	0509	14798																	
	015	OBS	T0789	0436	34980	2775			14814																	
		STD	0800	0435	3498	2775	0004364	0553	14815																	
		STD	0900	0415	3497	2777	0004295	0596	14823																	
	015	OBS	0954	0399	34957	2777			14825																	

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
31	702	HU	4657 N	04800 W		149	68	03	11	163	1966	013	0137	01	28	5	2		X1	3	6	0013				
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (mi)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB														
								23	534		16	006					001	7	06							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	Si O ₄ -Si μg - dl/l	pH	S C									
		STD	0000	0044	3329	2673	0013255	0000	14489																	
	163	OBS	0000	0044	33291	2673			14489																	
		STD	0010	0047	3330	2673	0013222	0013	14492																	
	163	OBS	0011	0047	33298	2673			14493																	
		STD	0020	0047	3330	2673	0013189	0026	14494																	
	163	OBS	0028	0046	33304	2674			14495																	
		STD	0030	0051	3332	2675	0013067	0040	14498																	
		STD	0050	0092	3349	2686	0012002	0065	14522																	
	163	OBS	0055	0098	33524	2688			14526																	
		STD	0075	0102	3363	2697	0011002	0093	14533																	
	163	OBS	0082	0104	33681	2701			14535																	
		STD	0100	0134	3383	2711	0009691	0119	14554																	
	163	OBS	0110	0159	33921	2716			14568																	

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.						10"	1'	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	702	HU	4702 N	04744 W		149 77	03 11	181	1966		014	0172	01	28	6	2		X3	3 3			0014
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	METER (mba)	DRY BULB	WET BULB										
								23	S33	261	017	011	7	07								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	SEC					
		STD	0000	0049	3331	2674	0013151	0000	14492													
	181	OBS	0000	0049	33308	2674			14492													
	181	OBS	0009	0048	33308	2674			14493													
		STD	0010	0048	3331	2674	0013130	0013	14493													
		STD	0020	0048	3331	2674	0013128	0026	14495													
	181	OBS	0023	0048	33312	2674			14495													
		STD	0030	0044	3332	2675	0013053	0039	14495													
	181	OBS	0045	0041	33329	2676			14496													
		STD	0050	0042	3336	2678	0012712	0065	14498													
	181	OBS	0068	0053	33476	2687			14507													
		STD	0075	0062	3351	2689	0011677	0096	14513													
	181	OBS	0091	0084	33584	2694			14527													
		STD	0100	0096	3364	2698	0010889	0124	14534													
		STD	0125	0131	3380	2708	0009903	0150	14556													
	181	OBS	0136	0146	33890	2714			14566													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.						10"	1'	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	702	HU	4700 N	04730 W		149 77	03 11	200	1966		015	0210	02	21	3	3		X3	3 6			0015
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	METER (mba)	DRY BULB	WET BULB										
								24	S24	186	033	028	7	07								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	SEC					
		STD	0000	0077	3342	2682	0012418	0000	14506													
	200	OBS	0000	0077	33424	2682			14506													
		STD	0010	0078	3343	2682	0012408	0012	14508													
	200	OBS	0010	0078	33426	2682			14508													
		STD	0020	0078	3343	2682	0012378	0025	14510													
	200	OBS	0027	0077	33432	2682			14511													
		STD	0030	0076	3350	2688	0011832	0037	14512													
		STD	0050	0067	3392	2722	0008586	0057	14517													
		STD	0075	0056	3427	2751	0005863	0075	14521													
	200	OBS	0080	0054	34325	2755			14521													
		STD	0100	0249	3444	2751	0005938	0090	14613													
	200	OBS	0105	0286	34471	2750			14630													
		STD	0125	0316	3457	2755	0005558	0105	14648													
		STD	0150	0349	3467	2760	0005136	0118	14667													
	200	OBS	0160	0361	34705	2761			14674													
	200	OBS	0184	0387	34771	2764			14690													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME IGMT		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER		
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT	
31	702	HU	4700 N	04715 W		149	77	03	11	222	1966	016	0638	06	22	3	4		X3	3	5		0016	
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbars)	DRY BULB	WET BULB	VIS. CODE											
								22	525	193	017		6	11										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C C							
		STD	0000	0157	3378	2705	0010234	0000	14547															
	222	OBS	0000	0157	33776	2705			14547															
		STD	0010	0269	3432	2739	0006950	0009	14605															
	222	OBS	0010	0269	34321	2739			14605															
		STD	0020	0301	3444	2746	0006329	0015	14622															
	222	OBS	0027	0318	34507	2750			14632															
		STD	0030	0322	3453	2751	0005843	0021	14634															
		STD	0050	0342	3462	2756	0005364	0033	14647															
	222	OBS	0055	0346	34634	2757			14650															
		STD	0075	0351	3465	2758	0005243	0046	14656															
	222	OBS	0084	0354	34666	2759			14658															
		STD	0100	0361	3470	2761	0004984	0059	14665															
	222	OBS	0111	0366	34724	2762			14669															
		STD	0125	0372	3474	2763	0004812	0071	14674															
		STD	0150	0380	3477	2765	0004689	0083	14682															
	222	OBS	0169	0384	34776	2765			14687															
		STD	0200	0387	3478	2765	0004731	0106	14693															
	222	OBS	T0225	0389	34785	2765			14698															
		STD	0250	0392	3479	2765	0004754	0130	14704															
		STD	0300	0397	3481	2766	0004704	0154	14714															
	222	OBS	T0348	0399	34821	2767			14723															
		STD	0400	0397	3483	2767	0004689	0201	14731															
	222	OBS	T0466	0395	34829	2768			14741															
		STD	0500	0398	3484	2768	0004681	0247	14748															
	222	OBS	0576	0409	34869	2769			14766															

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
31	702	HU	4659 N	04659 W		149	66	03	12	025	1966	017	1116	03	24	2	3		X1	8 3	0017
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB									
								22	515	196	063	051	7	08							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C C			
		STD	0000	0177	3388	2711	0009620		0000	14557											
	025	OBS	0000	0177	33875	2711				14557											
		STD	0010	0180	3389	2712	0009531		0010	14560											
	025	OBS	0013	0181	33911	2714				14561											
		STD	0020	0210	3406	2723	0008464		0019	14577											
		STD	0030	0246	3423	2734	0007461		0027	14597											
	025	OBS	0033	0255	34276	2737				14602											
		STD	0050	0291	3445	2748	0006187		0040	14623											
	025	OBS	0064	0310	34539	2753				14635											
		STD	0075	0311	3454	2753	0005706		0055	14637											
	025	OBS	0096	0314	34559	2754				14642											
		STD	0100	0317	3457	2755	0005549		0069	14644											
		STD	0125	0338	3464	2758	0005236		0083	14658											
	025	OBS	0127	0340	34646	2759				14659											
		STD	0150	0362	3470	2761	0005037		0095	14673											
	025	OBS	0190	0387	34766	2764				14691											
		STD	0200	0388	3477	2764	0004826		0120	14693											
		STD	0250	0390	3478	2764	0004822		0144	14703											
	025	OBS	T0252	0390	34778	2764				14703											

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 1/10	LONGITUDE ° ' 1/10	DEPTH INCH	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4644 N	04702 W		149	67	03	12	055	1966		018	1185	11	24	2	2		X1	3	3	0018	
						WATER		WIND		AIR TEMP. °C														
						COLOR CODE	TRANS. mi	DIR.	SPEED OF FORCE	BARO- METER (mb)		DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
										19 <td>S10</td> <td>196</td> <td>038</td> <td>037</td> <td>7</td> <td>10</td> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th>	S10	196	038	037	7	10								
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₄ -Si $\mu g - dl/l$	pH	S CODE							
		STD	0000	0362	3460	2753	0005675	0000	14647															
	055	OBS	0000	0362	34598	2753			14647															
		STD	0010	0361	3460	2753	0005657	0006	14648															
		STD	0020	0360	3460	2753	0005654	0011	14649															
	055	OBS	0025	0359	34605	2754			14650															
		STD	0030	0360	3461	2754	0005617	0017	14651															
		STD	0050	0362	3461	2754	0005634	0028	14655															
	055	OBS	0051	0362	34609	2754			14656															
		STD	0075	0366	3464	2756	0005461	0042	14662															
		STD	0100	0373	3468	2758	0005251	0055	14669															
	055	OBS	0102	0374	34684	2758			14670															
		STD	0125	0386	3473	2761	0005027	0068	14680															
		STD	0150	0396	3476	2762	0004926	0081	14688															
	055	OBS	T0157	0398	34773	2763			14691															
		STD	0200	0400	3480	2765	0004711	0105	14699															
		STD	0250	0402	3483	2767	0004554	0128	14708															
	055	OBS	T0263	0402	34831	2767			14710															
		STD	0300	0400	3484	2768	0004512	0151	14716															
	055	OBS	T0372	0398	34860	2770			14727															
		STD	0400	0400	3486	2770	0004460	0196	14732															
		STD	0500	0405	3485	2769	0004654	0241	14751															
	055	OBS	0592	0410	34850	2768			14768															
		STD	0600	0408	3485	2768	0004798	0288	14769															
		STD	0700	0383	3487	2772	0004467	0335	14775															
		STD	0800	0366	3489	2776	0004221	0378	14785															
	055	OBS	T0812	0364	34892	2776			14786															
		STD	0900	0363	3489	2776	0004239	0420	14800															
		STD	1000	0361	3490	2776	0004291	0463	14816															
	055	OBS	1079	0360	34898	2777			14829															

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FOOT	MARDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER		
CTRY CODE	ID. NO.						10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	702	HU	4701 N	04630 W		149	76	03	12	086	1966		019	0365	03	19	2	3		X1	3	3	0019	
							WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
							COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
									14	S15		196	039						6	09				
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₄ -Si $\mu g - dl/l$	pH						
		STD	0000	0377	3455	2747	0006201		0000		14653													
	086	OBS	0000	0377	34547	2747					14653													
		STD	0010	0378	3455	2747	0006233		0006		14655													
	086	OBS	0012	0378	34545	2747					14655													
		STD	0020	0379	3455	2747	0006233		0012		14657													
	086	OBS	0029	0379	34549	2747					14658													
		STD	0030	0379	3455	2747	0006224		0019		14659													
		STD	0050	0373	3457	2750	0006011		0031		14660													
	086	OBS	0056	0372	34580	2750					14660													
		STD	0075	0373	3458	2750	0005955		0046		14664													
	086	OBS	0085	0373	34584	2750					14666													
		STD	0100	0372	3459	2751	0005935		0061		14667													
	086	OBS	0114	0370	34590	2751					14669													
		STD	0125	0375	3461	2752	0005818		0075		14673													
		STD	0150	0387	3466	2755	0005585		0090		14683													
	086	OBS	0171	0396	34707	2758					14691													
		STD	0200	0410	3480	2764	0004819		0116		14703													
	086	OBS	T0228	0416	34859	2768					14711													
		STD	0250	0408	3486	2769	0004380		0139		14711													
		STD	0300	0391	3487	2772	0004172		0160		14713													
	086	OBS	0341	0377	34881	2774					14713													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDICATOR	MARSDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES			NDDC STATION NUMBER																												
CTRY CODE	ID. NO.					10°	1°	MD	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT																														
31	702	HU	4700 N	04610 W		149	76	03	12	096	1966		020		0301	03	11	2	3		X3	5	8		0020																											
<table><tr><td colspan="2">WATER</td><td colspan="2">WIND</td><td rowspan="2">BARO- METER (mb)</td><td colspan="2">AIR TEMP. °C</td><td rowspan="2">VIS. CODE</td><td rowspan="2">NO. OBS. DEPTHS</td><td rowspan="2">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR CODE</td><td>TRANS. (m)</td><td>DIR.</td><td>SPEED OR FORCE</td><td>DRY BULB</td><td>WET BULB</td></tr><tr><td></td><td></td><td></td><td>12</td><td>518</td><td>173</td><td>044</td><td></td><td>7</td><td>09</td><td></td></tr></table>																										WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB				12	518	173	044		7	09	
WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																											
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																														
			12	518	173	044		7	09																																											
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S CC																																			
		STD	0000	0390	3453	2744	0006470	0000	14658																																											
	096	OBS	0000	0390	34528	2744			14658																																											
		STD	0010	0390	3453	2745	0006456	0006	14660																																											
	096	OBS	0010	0390	34531	2745			14660																																											
		STD	0020	0390	3453	2744	0006473	0013	14661																																											
	096	OBS	0025	0390	34524	2744			14662																																											
		STD	0030	0390	3453	2744	0006512	0019	14663																																											
		STD	0050	0390	3454	2745	0006463	0032	14666																																											
	096	OBS	0050	0390	34535	2745			14666																																											
		STD	0075	0381	3457	2748	0006168	0048	14667																																											
	096	OBS	0076	0381	34567	2748			14667																																											
		STD	0100	0373	3462	2753	0005705	0063	14669																																											
	096	OBS	0101	0373	34627	2754			14669																																											
		STD	0125	0391	3468	2756	0005452	0077	14681																																											
		STD	0150	0406	3474	2759	0005178	0090	14692																																											
	096	OBS	0151	0407	34743	2760			14693																																											
		STD	0200	0428	3486	2767	0004557	0115	14711																																											
	096	OBS	T0203	0429	34865	2767			14712																																											
		STD	0250	0396	3487	2771	0004197	0136	14706																																											
	096	OBS	0254	0391	34871	2771			14705																																											

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDICATOR	MARSDEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES			NDDC STATION NUMBER
CTRY CODE	ID. NO.					10°	1°	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	702	HU	4719 N	04610 W		149	76	03	12	125	1966		021		0640	05	30	2	3		X6	5	8		0021
												|---------------|---------------|------|----------------------|------------------------|--------------|-------------|--------------|-----------------------|-------------------------|--|	WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS			COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB									11	522	146	050		3	11																											
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O₂ ml/l	PO₄-P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO₂-N $\mu\text{g} - \text{at/l}$	NO₃-N $\mu\text{g} - \text{at/l}$	SiO₄-Si $\mu\text{g} - \text{at/l}$	pH	S CC
		STD	0000	0347	3451	2747	0006175	0000	14640								
	125	OBS	0000	0347	34513	2747			14640								
	125	OBS	0009	0347	34517	2748			14641								
		STD	0010	0347	3452	2748	0006154	0006	14641								
		STD	0020	0348	3452	2748	0006167	0012	14644								
	125	OBS	0025	0349	34518	2748			14645								
		STD	0030	0354	3454	2749	0006062	0018	14648								
		STD	0050	0368	3461	2753	0005685	0030	14658								
	125	OBS	0050	0368	34610	2753			14658								
		STD	0075	0366	3462	2754	0005613	0044	14662								
	125	OBS	0076	0366	34624	2754			14662								
		STD	0100	0380	3468	2757	0005324	0058	14672								
	125	OBS	0101	0381	34687	2758			14673								
		STD	0125	0382	3472	2760	0005091	0071	14678								
		STD	0150	0383	3475	2762	0004898	0083	14683								
	125	OBS	0153	0383	34750	2763			14683								
		STD	0200	0389	3479	2765	0004677	0107	14694								
	125	OBS	0205	0390	34796	2766			14695								
		STD	0250	0400	3483	2767	0004540	0130	14708								
		STD	0300	0412	3486	2768	0004486	0153	14721								
	125	OBS	T0306	0413	34862	2768			14723								
		STD	0400	0403	3488	2771	0004364	0197	14734								
	125	OBS	T0412	0402	34879	2771			14736								
		STD	0500	0393	3489	2773	0004253	0240	14747								
	125	OBS	0517	0391	34890	2773			14749								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT MOON	MARDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1'	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT	
31	702	HU	4740 N	04610 W	149	76	03	12	150	1966		022	1097	10	13	4			X7	5	8		0022	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbs)	DRY BULB	WET BULB												
								13	S20	125	039		5					13						
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _T	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	Σ C							
		STD	0000	0373	3458	2750	0005914	0000	14652															
150		OBS	0000	0373	34580	2750			14652															
150		OBS	0009	0372	34574	2750			14653															
		STD	0010	0372	3457	2750	0005960	0006	14653															
		STD	0020	0373	3458	2750	0005960	0012	14655															
150		OBS	0023	0373	34577	2750			14655															
		STD	0030	0374	3458	2750	0005950	0018	14657															
150		OBS	0045	0375	34582	2750			14660															
		STD	0050	0375	3459	2750	0005940	0030	14661															
150		OBS	0068	0375	34597	2751			14664															
		STD	0075	0378	3463	2754	0005653	0044	14667															
150		OBS	0091	0362	34697	2759			14672															
		STD	0100	0383	3470	2759	0005195	0058	14674															
		STD	0125	0384	3473	2761	0005010	0071	14679															
150		OBS	0136	0385	34742	2762			14681															
		STD	0150	0402	3478	2763	0004837	0083	14691															
150		OBS	T0182	0426	34842	2765			14707															
		STD	0200	0417	3484	2766	0004571	0106	14707															
		STD	0250	0399	3485	2769	0004408	0129	14707															
150		OBS	T0273	0393	34847	2769			14709															
		STD	0300	0390	3485	2770	0004331	0151	14712															
150		OBS	T0354	0385	34857	2771			14719															
		STD	0400	0361	3486	2772	0004254	0194	14725															
		STD	0500	0374	3487	2773	0004195	0236	14738															
150		OBS	T0541	0372	34878	2774			14744															
		STD	0600	0370	3488	2774	0004159	0278	14753															
		STD	0700	0366	3489	2775	0004172	0319	14768															
150		OBS	T0736	0364	34887	2775			14774															
		STD	0800	0361	3489	2776	0004165	0361	14783															
		STD	0900	0356	3489	2777	0004192	0403	14797															
150		OBS	0961	0353	34895	2777			14806															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR, 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT			
31	702	HU	4756 N	04610 W		149	76	03	12	175	1966		023		1097	10	15	2	3		X7	5	8		0023
						WATER		WIND		AIR TEMP. °C				NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. mm	CUR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS CODE												
									13	S08	105	033		5	12										
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ σ CYN, M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C							
		STD	0000	0370	3454	2748	0006165		0000	14650															
175		OBS	0000	0370	34543	2748				14650															
175		OBS	0009	0371	34566	2749				14652															
		STD	0010	0371	3457	2750	0005979		0006	14652															
		STD	0020	0371	3457	2750	0005991		0012	14654															
		STD	0030	0372	3457	2750	0006003		0018	14656															
175		OBS	0047	0372	34578	2750				14659															
		STD	0050	0372	3458	2750	0005965		0030	14659															
175		OBS	0070	0373	34578	2750				14663															
		STD	0075	0373	3458	2750	0005982		0045	14664															
175		OBS	0094	0374	34593	2751				14668															
		STD	0100	0376	3461	2752	0005806		0060	14670															
		STD	0125	0382	3468	2757	0005362		0074	14677															
175		OBS	0141	0383	34703	2759				14681															
		STD	0150	0380	3471	2760	0005140		0087	14681															
175		OBS	0189	0375	34719	2761				14685															
		STD	0200	0382	3472	2760	0005130		0112	14690															
		STD	0250	0405	3472	2758	0005414		0139	14708															
175		OBS	T0284	0411	34745	2759				14717															
		STD	0300	0407	3476	2761	0005184		0165	14718															
175		OBS	T0382	0386	34865	2771				14724															
		STD	0400	0385	3487	2772	0004222		0212	14726															
		STD	0500	0378	3487	2773	0004239		0255	14740															
175		OBS	T0576	0374	34877	2774				14751															
		STD	0600	0373	3488	2774	0004199		0297	14755															
		STD	0700	0370	3489	2775	0004180		0339	14770															
175		OBS	T0774	0367	34894	2776				14781															
		STD	0800	0366	3489	2776	0004192		0381	14785															
		STD	0900	0361	3489	2776	0004220		0423	14800															
175		OBS	0994	0355	34893	2777				14813															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDCTR	MARDEN SQUARE	STATION TIME IGMT1		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER	
CTRY CODE	ID. NO.						MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT
31	702	HU	4820 N	04610 W		149 86	03 12	199	1966		024		1097	11	03	3	3		X7	5 8		0024
						WATER		WIND		BARO- METER (mbat)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB										
								19	515	088	022		3	13								
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S CC					
		STD	0000	0356	3463	2755	0005415	0000	14645													
	199	OBS	0000	0356	34625	2755			14645													
		STD	0010	0360	3465	2757	0005288	0005	14649													
	199	OBS	0010	0360	34648	2757			14649													
		STD	0020	0364	3466	2757	0005282	0011	14652													
	199	OBS	0025	0365	34659	2757			14653													
		STD	0030	0366	3466	2757	0005268	0016	14654													
		STD	0050	0368	3466	2757	0005306	0026	14659													
	199	OBS	0052	0368	34661	2757			14659													
		STD	0075	0372	3467	2757	0005294	0040	14665													
	199	OBS	0077	0373	34672	2757			14665													
		STD	0100	0385	3471	2759	0005144	0053	14675													
	199	OBS	0104	0386	34721	2760			14676													
		STD	0125	0387	3474	2761	0004960	0065	14680													
		STD	0150	0388	3476	2763	0004843	0078	14685													
	199	OBS	0156	0388	34766	2763			14686													
		STD	0200	0381	3477	2764	0004745	0102	14690													
	199	OBS	T0208	0380	34771	2765			14691													
		STD	0250	0389	3479	2765	0004723	0125	14702													
		STD	0300	0395	3481	2766	0004661	0149	14713													
	199	OBS	T0312	0396	34819	2767			14716													
		STD	0400	0390	3482	2767	0004657	0195	14728													
	199	OBS	0416	0389	34819	2768			14730													
		STD	0500	0393	3485	2770	0004551	0241	14746													
		STD	0600	0398	3487	2771	0004549	0287	14765													
	199	OBS	T0625	0399	34875	2771			14770													
		STD	0700	0390	3488	2772	0004479	0332	14778													
		STD	0800	0381	3489	2774	0004393	0376	14791													
	199	OBS	0832	0378	34894	2775			14796													
		STD	0900	0373	3489	2775	0004359	0420	14805													
		STD	1000	0369	3490	2776	0004391	0464	14820													
	199	OBS	1059	0367	34895	2776			14829													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DURT INCH	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA		TYPE	AMT		
31	702	HU	4835 N	04610 W		149	86	03	12	224	1966		025		2012	13	04	6	4		X7	5 8		0025
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB												
								19	517	075			017		6	13								
MESSENGER TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^7$	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C C							
		STD	0000	0391	3474	2761	0004899	0000	14661															
224		OBS	0000	0391	34738	2761			14661															
		STD	0010	0398	3476	2762	0004842	0005	14666															
224		OBS	0010	0398	34756	2762			14666															
		STD	0020	0398	3475	2761	0004867	0010	14668															
224		OBS	0026	0398	34752	2761			14669															
		STD	0030	0398	3475	2761	0004886	0015	14669															
		STD	0050	0399	3476	2762	0004874	0024	14673															
224		OBS	0052	0399	34758	2762			14674															
		STD	0075	0399	3476	2762	0004884	0037	14677															
224		OBS	0079	0399	34760	2762			14678															
		STD	0100	0400	3476	2762	0004887	0049	14682															
224		OBS	0106	0400	34765	2762			14683															
		STD	0125	0393	3477	2763	0004812	0061	14683															
		STD	0150	0388	3477	2764	0004755	0073	14685															
224		OBS	0158	0387	34773	2764			14686															
		STD	0200	0394	3481	2766	0004578	0096	14696															
224		OBS	0211	0396	34817	2767			14699															
		STD	0250	0396	3483	2768	0004496	0119	14706															
		STD	0300	0396	3485	2769	0004395	0141	14714															
		STD	0400	0396	3488	2772	0004266	0184	14731															
224		OBS	T0422	0396	34887	2772			14735															
		STD	0500	0389	3489	2773	0004209	0227	14745															
		STD	0600	0382	3489	2774	0004224	0269	14759															
224		OBS	T0636	0379	34894	2775			14763															
		STD	0700	0375	3489	2775	0004206	0311	14772															
		STD	0800	0369	3489	2776	0004226	0353	14786															
224		OBS	T0850	0366	34894	2776			14793															
		STD	0900	0363	3490	2776	0004228	0396	14801															
		STD	1000	0357	3490	2777	0004220	0438	14815															
224		OBS	T1082	0353	34902	2778			14827															
		STD	1100	0352	3490	2778	0004207	0480	14829															
		STD	1200	0349	3492	2779	0004163	0522	14845															
224		OBS	1276	0348	34925	2780			14858															

TABLE IV. Observed and interpolated oceanographic data taken by USCGC EVERGREEN on North Atlantic Standard Monitoring Sections 2, 3, 4, 5 and 6, 25 October, 13 November 1966; prepared from NODC listing No. 31-8007.

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT	MARSDEN	STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE			WEA-	CLOUD	NODC																												
CTRY	IC.	CODE	* 1/10	* 1/10	IN/10	SQUARE	MO	DAY	HR. 1/10		CRUISE	STATION	TO	OF	DIR.	HGT	PER	SEA	THE	TYPE	AMT	STATION																										
CODE	NO.					10'	1'				NO.	NUMBER	BOTTOM	SAMPL'S					ER			NUMBER																										
31	8007	EV	3505 N	07536 W		116 55 10	25	029	1966		020	0545	05	36	1	2		X1	0	3		0031																										
<table><tr><th colspan="2">WATER</th><th colspan="2">WIND</th><th rowspan="2">BARO-METER (mba)</th><th colspan="2">AIR TEMP. °C</th><th rowspan="2">VIS. CODE</th><th rowspan="2">NO. OBS. DEPTHS</th><th rowspan="2">SPECIAL OBSERVATIONS</th></tr><tr><th>COLOR CODE</th><th>TRANS. (m)</th><th>DIR.</th><th>SPEED OF FORCE</th><th>DRY BULB</th><th>WET BULB</th></tr><tr><td>DT</td><td>SD</td><td>35</td><td>S12</td><td>186</td><td>217</td><td>211</td><td>8</td><td>24</td><td></td></tr></table>																							WATER		WIND		BARO-METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	DT	SD	35	S12	186	217	211	8	24	
WATER		WIND		BARO-METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																							
COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB																																										
DT	SD	35	S12	186	217	211	8	24																																								
MESSAGE	TIME OF	CAST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	Σ Δ σ	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	Si O ₄ -Si	pH																															
HR 1/10		NO.	TYPE					ANOMALY-×10 ³	OTN. M. x 10 ³	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l																																
			STD	0000	2558	3592	2388	0040375	0000	15372																																						
	029		OBS	0000	2558	35917	2388			15372																																						
			STD	0010	2558	3592	2388	0040423	0040	15374																																						
			OBS	0010	2558	35916	2388			15374																																						
	001		STD	0020	2544	3592	2392	0040052	0081	15372																																						
			OBS	0020	2544	35916	2392			15372																																						
			OBS	0025	2520	35936	2401			15368																																						
			STD	0030	2478	3596	2415	0037843	0120	15359																																						
			OBS	0030	2478	35961	2415			15359																																						
			OBS	0035	2340	36036	2462			15327																																						
			STD	0050	2295	3628	2493	0030486	0188	15321																																						
			OBS	0050	2295	36276	2493			15321																																						
			STD	0075	1987	3636	2585	0021879	0253	15246																																						
			OBS	0075	1987	36356	2585			15246																																						
			STD	0100	1699	3624	2649	0015887	0301	15167																																						
			OBS	0105	1662	36215	2655			15156																																						
			STD	0125	1586	3610	2664	0014463	0339	15135																																						
			OBS	0125	1586	36099	2664			15135																																						
			STD	0150	1507	3592	2668	0014167	0374	15112																																						
			OBS	0150	1507	35916	2668			15112																																						
			OBS	0188	1368	35806	2689			15072																																						
			STD	0200	1257	3564	2699	0011306	0438	15035																																						
			OBS	0200	1257	35636	2699			15035																																						
			OBS	0225	1181	35521	2705			15012																																						
			STD	0250	1067	3536	2713	0009977	0491	14974																																						
			OBS	0250	1067	35361	2713			14974																																						
			OBS	0285	0987	35225	2717			14949																																						
			STD	0300	0909	3514	2723	0009105	0539	14921																																						
			OBS	0300	0909	35136	2723			14921																																						
			OBS	0350	0810	35061	2733			14891																																						
			OBS	0380	0800	35115	2738			14893																																						
			STD	0400	0733	3507	2745	0007077	0620	14870																																						
			OBS	0400	0733	35074	2745			14870																																						
			OBS	0435	0646	35055	2756			14841																																						
			OBS	0475	0488	34961	2768			14783																																						
			STD	0500	0480	3496	2768	0004759	0679	14784																																						
			OBS	0500	0480	34956	2768			14784																																						
			OBS	0540	0472	34955	2769			14787																																						

TABLE IV.—Continued

REFERENCE CTRY CODE	SHIP NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER		DIR.	HGT	PER	SEA		TYPE	AMT		
31	8007	EV	3449 N	07435 W		116	44	10	25	071	1966		021	3035	13	33	3	2		X1	0	3	0032
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. IM	DIR.	SPEED OR FORCE	DRY BULB	WET BULB												
						OT	SD	01	S18	207	244	222	7	29									
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH m	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°		Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH						
		STD	0000	2665	3607	2366	0042447		0000	15398													
	071	OBS	0000	2665	36074	2366				15398													
		STD	0010	2669	3606	2364	0042696		0043	15400													
		OBS	0010	2669	36062	2364				15400													
		STD	0020	2669	3606	2364	0042738		0085	15402													
	002	OBS	0020	2669	36062	2364				15402													
		OBS	0025	2665	36063	2365				15402													
		STD	0030	2661	3607	2367	0042515		0128	15402													
		OBS	0030	2661	36065	2367				15402													
		STD	0050	2652	3607	2369	0042326		0213	15403													
		OBS	0050	2652	36065	2369				15403													
		STD	0075	2648	3612	2375	0041921		0318	15407													
		OBS	0075	2648	36119	2375				15407													
		OBS	0085	2580	36300	2410				15395													
		OBS	0090	2598	36383	2410				15401													
		STD	0100	2555	3643	2427	0037030		0417	15393													
		OBS	0100	2555	36427	2427				15393													
		STD	0125	2411	3658	2482	0031863		0503	15365													
		OBS	0125	2411	36578	2482				15365													
		STD	0150	2286	3670	2529	0027549		0577	15340													
		OBS	0150	2286	36704	2529				15340													
		OBS	0170	2203	36745	2555				15323													
		STD	0200	2074	3671	2589	0022000		0701	15294													
		OBS	0200	2074	36712	2589				15294													
		STD	0250	1926	3656	2616	0019512		0805	15260													
		STD	0300	1752	3634	2643	0017092		0896	15216													
		OBS	0300	1752	36336	2643				15216													
		STD	0400	1323	3570	2691	0012662		1045	15091													
		OBS	0400	1323	35701	2691				15091													
		STD	0500	1107	3544	2712	0010696		1162	15030													
		OBS	0500	1107	35440	2712				15030													
		OBS	0560	0916	35155	2723				14967													
		STD	0600	0879	3515	2729	0009142		1261	14960													
		OBS	0600	0879	35146	2729				14960													
		OBS	0630	0870	35108	2727				14961													
		OBS	0678	0761	35026	2737				14926													
		STD	0700	0766	3504	2737	0008353		1349	14932													
		OBS	0700	0766	35036	2737				14932													
		STD	0800	0553	3504	2766	0005453		1418	14864													
		OBS	0800	0553	35036	2766				14864													
		OBS	0850	0491	35026	2773				14847													
		STD	0900	0491	3503	2773	0004774		1469	14855													
		OBS	0900	0491	35034	2773				14855													
		STD	1000	0448	3500	2776	0004561		1515	14854													
		OBS	1000	0448	35003	2776				14854													
		STD	1100	0427	3500	2778	0004448		1560	14862													
		OBS	1100	0427	34996	2778				14862													
		STD	1200	0410	3499	2779	0004403		1605	14871													
		OBS	1200	0410	34986	2779				14871													
		STD	1300	0400	3498	2779	0004390		1649	14884													
		OBS	1300	0400	34983	2779				14884													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE °	LONGITUDE °	ORIG. INCH	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	8007	EV	3436 N	07408 W		116	44	10	25	101	1966		022	3658	15	33	1	2		X1	0	3	0033	
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB												
						DT	SD	03	506		166	240					220	7	26					
MESSAGE TIME HR. 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	S C						
		STD	0000	2695	3607	2356	0043389		0000	15405														
101		OBS	0000	2695	36070	2356				15405														
		STD	0010	2695	3607	2356	0043431		0043	15406														
		OBS	0010	2695	36070	2356				15406														
		STD	0020	2695	3607	2356	0043473		0087	15408														
002		OBS	0020	2695	36070	2356				15408														
		OBS	0025	2695	36070	2356				15409														
		STD	0030	2695	3607	2356	0043514		0130	15410														
		OBS	0030	2695	36070	2356				15410														
		STD	0050	2695	3607	2356	0043598		0417	15413														
		OBS	0050	2695	36070	2356				15413														
		STD	0075	2695	3607	2356	0043702		0327	15417														
		OBS	0075	2695	36070	2356				15417														
		STD	0100	2560	3638	2422	0037552		0428	15394														
		OBS	0100	2560	36375	2422				15394														
		STD	0125	2452	3656	2468	0033197		0517	15375														
		OBS	0125	2452	36556	2468				15375														
		STD	0150	2254	3673	2540	0026461		0591	15333														
		OBS	0150	2254	36733	2540				15333														
		OBS	0160	2171	36753	2565				15313														
		STD	0200	2000	3668	2606	0020305		0708	15274														
		OBS	0200	2000	36683	2606				15274														
		STD	0250	1884	3658	2629	0018329		0805	15249														
		OBS	0260	1869	36575	2632				15246														
		STD	0300	1839	3657	2639	0017494		0894	15244														
		OBS	0300	1839	36568	2639				15244														
		STD	0400	1758	3647	2652	0016573		1065	15236														
		OBS	0400	1758	36474	2652				15236														
		STD	0500	1689	3635	2659	0016215		1228	15230														
		OBS	0500	1689	36345	2659				15230														
		STD	0600	1460	3594	2680	0014302		1381	15171														
		OBS	0600	1460	35944	2680				15171														
		STD	0700	1188	3556	2706	0011857		1512	15092														
		OBS	0700	1188	35555	2706				15092														
		STD	0800	0957	3525	2724	0010078		1622	15023														
		OBS	0800	0957	35251	2724				15023														
		STD	0900	0743	3509	2745	0007967		1712	14957														
		OBS	0900	0743	35086	2745				14957														
		STD	1000	0590	3505	2762	0006134		1782	14912														
		OBS	1000	0590	35048	2762				14912														
		STD	1100	0518	3504	2771	0005335		1840	14900														
		OBS	1100	0518	35038	2771				14900														
		STD	1200	0467	3502	2775	0004908		1891	14895														
		OBS	1200	0467	35018	2775				14895														
		STD	1300	0450	3502	2777	0004750		1939	14905														
		OBS	1300	0450	35023	2777				14905														
		STD	1400	0434	3502	2778	0004696		1986	14915														
		OBS	1400	0434	35015	2778				14915														
		STD	1500	0412	3500	2780	0004600		2033	14923														
		OBS	1500	0412	35001	2780				14923														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT IN/OUT	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER	BOTTOM		DIR.	MGT	PER	SEA		TYPE	AMT			
31	8007	EV	3421 N	07338 W		116	43	10	25	141	1966		023	3931	15	09	2	3		X1	0	3	0034		
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB													
						DT	SD	08	504		176	250				222	8	25							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-30°		$\Sigma \Delta \sigma_t$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S CC						
		STD	0000	2401	3634	2467		0032767		0000	15340														
141		OBS	0000	2401	36343	2467					15340														
		STD	0010	2388	3634	2471		0032446		0033	15338														
		OBS	0010	2388	36342	2471					15338														
		STD	0020	2380	3634	2474		0032268		0065	15338														
002		OBS	0020	2380	36341	2474					15338														
		OBS	0025	2380	36341	2474					15339														
		STD	0030	2380	3634	2474		0032308		0097	15340														
		OBS	0030	2380	36341	2474					15340														
		STD	0050	2380	3634	2473		0032395		0162	15343														
		OBS	0050	2380	36340	2473					15343														
		STD	0075	2380	3634	2473		0032495		0243	15347														
		OBS	0075	2380	36340	2473					15347														
		OBS	0085	2380	36341	2474					15349														
		STD	0100	2125	3664	2569		0023460		0313	15290														
		OBS	0100	2125	36642	2569					15290														
		STD	0125	1985	3668	2610		0019706		0367	15257														
		OBS	0125	1985	36675	2610					15257														
		STD	0150	1905	3664	2627		0018091		0414	15239														
		OBS	0150	1905	36635	2627					15239														
		STD	0200	1839	3660	2641		0016948		0502	15228														
		OBS	0200	1839	36595	2641					15228														
		STD	0250	1820	3659	2646		0016701		0586	15231														
		STD	0300	1801	3658	2650		0016498		0669	15233														
		OBS	0300	1801	36579	2650					15233														
		STD	0400	1765	3651	2653		0016457		0834	15238														
		OBS	0400	1765	36513	2653					15238														
		STD	0500	1705	3639	2658		0016300		0997	15236														
		OBS	0500	1705	36385	2658					15236														
		STD	0600	1541	3609	2673		0015041		1154	15199														
		OBS	0600	1541	36086	2673					15199														
		STD	0700	1341	3575	2691		0013487		1297	15147														
		OBS	0700	1341	35750	2691					15147														
		STD	0800	1120	3542	2709		0011757		1423	15084														
		OBS	0800	1120	35424	2709					15084														
		STD	0900	0875	3518	2732		0009400		1529	15008														
		OBS	0900	0875	35180	2732					15008														
		STD	1000	0718	3511	2750		0007539		1614	14964														
		OBS	1000	0718	35114	2750					14964														
		STD	1100	0580	3505	2764		0006087		1682	14925														
		OBS	1100	0580	35053	2764					14925														
		STD	1200	0517	3505	2772		0005321		1739	14916														
		OBS	1200	0517	35054	2772					14916														
		STD	1300	0470	3502	2775		0005055		1791	14913														
		OBS	1300	0470	35018	2775					14913														
		STD	1400	0445	3501	2777		0004894		1840	14920														
		OBS	1400	0445	35008	2777					14920														
		STD	1500	0426	3501	2779		0004715		1888	14929														
		OBS	1500	0426	35011	2779					14929														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARS SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR.		1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT		
31	8007	EV	3400 N	07316 W		116	43	10	25	174	1966		024	4480	15	11	3	4		X1	0	3		0035		
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. (m)	OIR.	SPEED OF FORCE			DRY BULB	WET BULB																	
		DT	SO	03	SO3			283	267																	
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-210°		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH								
		STO	0000	2428	3628	2455		0033988		0000	15346															
	174	OBS	0000	2428	36280	2455					15346															
		STO	0010	2409	3628	2461		0033466		0034	15343															
		OBS	0010	2409	36283	2461					15343															
		STO	0020	2397	3629	2465		0033123		0067	15341															
	002	OBS	0020	2397	36289	2465					15341															
		OBS	0025	2393	36323	2468					15342															
		STO	0030	2400	3642	2473		0032340		0100	15345															
		OBS	0030	2400	36415	2473					15345															
		OBS	0040	2417	36480	2473					15352															
		STO	0050	2386	3652	2485		0031297		0163	15346															
		OBS	0050	2386	36516	2485					15346															
		STO	0075	2050	3667	2592		0021183		0229	15267															
		OBS	0075	2050	36674	2592					15267															
		OBS	0082	1998	36686	2607					15254															
		STO	0100	1955	3667	2617		0018890		0279	15245															
		OBS	0100	1955	36671	2617					15245															
		STO	0125	1912	3666	2628		0017978		0325	15237															
		OBS	0125	1912	36662	2628					15237															
		STO	0150	1873	3662	2635		0017394		0369	15230															
		OBS	0150	1873	36623	2635					15230															
		STO	0200	1832	3658	2642		0016866		0455	15226															
		OBS	0200	1832	36583	2642					15226															
		STO	0250	1814	3658	2646		0016630		0539	15229															
		STO	0300	1796	3656	2650		0016494		0622	15232															
		OBS	0300	1796	36563	2650					15232															
		STO	0400	1759	3650	2654		0016423		0786	15237															
		OBS	0400	1759	36498	2654					15237															
		STO	0500	1704	3639	2659		0016269		0950	15235															
		OBS	0500	1704	36366	2659					15235															
		STO	0600	1546	3611	2674		0014956		1106	15200															
		OBS	0600	1546	36113	2674					15200															
		STO	0700	1350	3577	2690		0013528		1248	15150															
		OBS	0700	1350	35770	2690					15150															
		STO	0800	1140	3547	2709		0011785		1375	15091															
		OBS	0800	1140	35472	2709					15091															
		STO	0900	0911	3521	2729		0009766		1482	15022															
		OBS	0900	0911	35213	2729					15022															
		STO	1000	0711	3507	2748		0007724		1570	14961															
		OBS	1000	0711	35074	2748					14961															
		STO	1100	0543	3498	2763		0006103		1639	14909															
		OBS	1100	0543	34980	2763					14909															
		STO	1200	0489	3499	2770		0005430		1697	14904															
		OBS	1200	0489	34987	2770					14904															
		STO	1300	0459	3500	2774		0005053		1749	14908															
		OBS	1300	0459	34998	2774					14908															
		STO	1400	0444	3500	2776		0004939		1799	14919															
		OBS	1400	0444	35000	2776					14919															
		STO	1500	0436	3501	2777		0004894		1848	14933															
		OBS	1500	0436	35005	2777					14933															

TABLE IV.—Continued

REFERENCE CTRY CODE	SHIP NO.	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER		
					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
					10"	1"	MO	DAY	HR./10															
318007	EV	3338 N	07253 W		116	32	10	25	214	1966		025	4718	15	11	2	2		X1	013		0036		
					WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	mbs		DRY BULB	WET BULB	VIS. CODE											
					DT	SD	03	S03	146		240	220	8	27										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³		Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	°C						
		STO	0000	2509	3647	2444	0034979		0000	15367														
	214	OBS	0000	2509	36467	2444				15367														
		STO	0010	2503	3647	2446	0034838		0035	15367														
		OBS	0010	2503	36468	2446				15367														
		STO	0020	2499	3648	2448	0034676		0070	15368														
	002	OBS	0020	2499	36480	2448				15368														
		OBS	0025	2499	36486	2449				15369														
		STO	0030	2499	3650	2449	0034610		0104	15370														
		OBS	0030	2499	36495	2449				15370														
		STO	0050	2500	3653	2452	0034455		0173	15374														
		OBS	0050	2500	36532	2452				15374														
		OBS	0064	2504	36560	2453				15377														
		STO	0075	2279	3667	2528	0027304		0251	15326														
		OBS	0075	2279	36670	2528				15326														
		OBS	0090	2141	36684	2568				15293														
		STO	0100	2070	3668	2587	0021736		0312	15276														
		OBS	0100	2070	36682	2587				15276														
		STO	0125	1952	3664	2616	0019145		0363	15248														
		OBS	0125	1952	36638	2616				15248														
		STO	0150	1899	3665	2630	0017657		0409	15237														
		OBS	0150	1899	36647	2630				15237														
		STO	0200	1839	3663	2644	0016717		0496	15228														
		OBS	0200	1839	36627	2644				15228														
		STO	0250	1822	3662	2647	0016533		0579	15232														
		STO	0300	1805	3661	2651	0016370		0661	15235														
		OBS	0300	1805	36610	2651				15235														
		STO	0400	1771	3654	2654	0016391		0825	15241														
		OBS	0400	1771	36542	2654				15241														
		STO	0500	1719	3644	2659	0016231		0988	15241														
		OBS	0500	1719	36440	2659				15241														
		OBS	0560	1707	36432	2651				15247														
		STO	0600	1620	3623	2666	0015776		1148	15225														
		OBS	0600	1620	36230	2666				15225														
		STO	0700	1429	3590	2684	0014245		1298	15177														
		OBS	0700	1429	35900	2684				15177														
		STO	0800	1211	3560	2705	0012203		1430	15117														
		OBS	0800	1211	35603	2705				15117														
		STO	0900	1007	3534	2722	0010555		1544	15059														
		OBS	0900	1007	35335	2722				15059														
		STO	1000	0790	3515	2743	0008415		1639	14992														
		OBS	1000	0790	35149	2743				14992														
		STO	1100	0650	3509	2758	0006821		1715	14953														
		OBS	1100	0650	35092	2758				14953														
		STO	1200	0573	3510	2769	0005773		1778	14940														
		OBS	1200	0573	35100	2769				14940														
		STO	1300	0519	3509	2775	0005181		1833	14934														
		OBS	1300	0519	35093	2775				14934														
		STO	1400	0489	3509	2778	0004675		1863	14939														
		OBS	1400	0489	35093	2778				14939														
		STO	1500	0465	3509	2781	0004649		1931	14946														
		OBS	1500	0465	35093	2781				14946														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV		3314 N	07213 W		116	32	10	26	018	1966	026	5212	33	06	0	2		X1	0	3	0037	
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	SO	07	S07	146	250	228	8	31								
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	Si O ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	S C				
		STD	0000	2509	3647	2444		0034979	0000	15367													
	018	OBS	0000	2509	36467	2444				15367													
		STD	0010	2486	3648	2452		0034265	0035	15363													
		OBS	0010	2486	36479	2452				15363													
		STD	0020	2484	3648	2453		0034219	0069	15364													
	002	OBS	0020	2484	36483	2453				15364													
		OBS	0025	2484	36483	2453				15365													
		STD	0030	2484	3648	2453		0034260	0103	15366													
		OBS	0030	2484	36483	2453				15366													
		STD	0050	2484	3649	2453		0034306	0172	15369													
		OBS	0050	2484	36488	2453				15369													
		OBS	0065	2486	36497	2454				15372													
		STD	0075	2326	3662	2511		0026943	0251	15337													
		OBS	0075	2326	36623	2511				15337													
		STD	0100	2088	3670	2584		0022073	0315	15281													
		OBS	0100	2088	36700	2584				15281													
		STD	0125	1981	3670	2613		0019424	0366	15257													
		OBS	0125	1981	36700	2613				15257													
		STD	0150	1923	3669	2627		0018124	0413	15245													
		OBS	0150	1923	36692	2627				15245													
		STD	0200	1859	3664	2639		0017122	0501	15234													
		OBS	0200	1859	36638	2639				15234													
		STD	0250	1832	3662	2645		0016774	0586	15234													
		STD	0300	1807	3659	2649		0016570	0670	15235													
		OBS	0300	1807	36589	2649				15235													
		STD	0400	1760	3651	2654		0016389	0834	15237													
		OBS	0400	1760	36506	2654				15237													
		STD	0500	1711	3642	2659		0016187	0997	15238													
		OBS	0500	1711	36420	2659				15238													
		STD	0600	1622	3626	2668		0015605	1156	15226													
		OBS	0600	1622	36260	2668				15226													
		STD	0700	1449	3589	2679		0014752	1308	15183													
		OBS	0700	1449	35889	2679				15183													
		STD	0800	1232	3563	2703		0012435	1444	15125													
		OBS	0800	1232	35628	2703				15125													
		STD	0900	1010	3535	2722		0010536	1559	15060													
		OBS	0900	1010	35345	2722				15060													
		STD	1000	0806	3514	2740		0008717	1655	14996													
		OBS	1000	0806	35143	2740				14998													
		STD	1100	0651	3509	2758		0006836	1733	14954													
		OBS	1100	0651	35092	2758				14954													
	021	OBS	1178	0573	35043	2764				14935													
		STD	1200	0563	3509	2769		0005710	1795	14935													
		OBS	1200	0563	35089	2769				14935													
		STD	1300	0513	3509	2775		0005126	1850	14932													
		OBS	1300	0513	35089	2775				14932													
		STD	1400	0479	3508	2779		0004803	1899	14935													
		OBS	1400	0479	35084	2779				14935													
		STD	1500	0451	3508	2782		0004551	1946	14940													
		OBS	1500	0451	35080	2782				14940													
	021	OBS	T1675	0420	35001	2779				14955													
		STD	1750	0416	3500	2779		0004893	2064	14966													
		STD	2000	0399	3499	2780		0004951	2187	15001													
	021	OBS	T2174	0384	3488P	2773P																	
		STD	2500	0347	3498	2785		0004672	2428	15065													
	021	OBS	T2674	0330	34969	2785				15087													
		STD	3000	0301	3496	2787		0004464	2656	15131													
	021	OBS	T3224	0287	34944	2787				15164													
	021	OBS	3324	0282	34937	2787				15179													

TABLE IV.—Continued

REF CODE	ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER		
						10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT.	PER	SEA		TYPE	AMT			
318007		EV	3254 N	07136 W		116	21	10	26	075	1966		027	5303	15	00	2	2		x2	0	3	0038		
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB		WET BULB	VIS. CODE											
						DT	SD	13	S05	125	256	233	7	27											
MESSNGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C C								
075		STD	0000	2459	3633	2449	0034495	0000	15354																
		OBS	0000	2459	36333	2449			15354																
		STD	0010	2459	3632	2448	0034629	0035	15355																
002		OBS	0010	2459	36320	2448			15355																
		STD	0020	2447	3632	2452	0034318	0069	15354																
		OBS	0020	2447	36321	2452			15354																
		OBS	0025	2441	36321	2454			15353																
		STD	0030	2440	3633	2455	0034114	0103	15354																
		OBS	0030	2440	36327	2455			15354																
		STD	0050	2437	3633	2456	0034059	0171	15357																
		OBS	0050	2437	36334	2456			15357																
		OBS	0059	2429	36334	2458			15356																
		STD	0075	2146	3667	2566	0023717	0244	15292																
		OBS	0075	2146	36670	2566			15292																
		STD	0100	2012	3667	2602	0020334	0299	15261																
		OBS	0100	2012	36670	2602			15261																
		STD	0125	1942	3666	2620	0018751	0348	15245																
		OBS	0125	1942	36658	2620			15245																
		STD	0150	1899	3665	2630	0017842	0393	15237																
		OBS	0150	1899	36649	2630			15237																
		STD	0200	1838	3662	2643	0016743	0480	15228																
		OBS	0200	1838	36620	2643			15228																
		STD	0250	1823	3662	2647	0016557	0563	15232																
		STD	0300	1806	3660	2650	0016406	0646	15235																
		OBS	0300	1806	36600	2650			15235																
		STD	0400	1769	3653	2654	0016415	0810	15240																
		OBS	0400	1769	36532	2654			15240																
		STD	0500	1717	3643	2659	0016227	0973	15240																
		OBS	0500	1717	36434	2659			15240																
		STD	0600	1579	3616	2670	0015354	1131	15211																
		OBS	0600	1579	36160	2670			15211																
		STD	0700	1319	3574	2694	0013109	1273	15139																
		OBS	0700	1319	35740	2694			15139																
		OBS	0750	1160	35490	2706			15090																
		STD	0800	1092	3540	2712	0011417	1396	15073																
		OBS	0800	1092	35399	2712			15073																
		STD	0900	0980	3526	2721	0010620	1506	15048																
		OBS	0900	0980	35260	2721			15048																
		OBS	0970	0935	35259	2728			15043																
		STD	1000	0860	3521	2737	0009096	1605	15019																
		OBS	1000	0860	35213	2737			15019																
		STD	1100	0665	3514	2759	0006724	1684	14960																
		OBS	1100	0665	35136	2759			14960																
		STD	1200	0568	3510	2770	0005679	1746	14938																
		OBS	1200	0568	35103	2770			14938																
		STD	1300	0520	3509	2774	0005209	1800	14935																
		OBS	1300	0520	35091	2774			14935																
		STD	1400	0481	3509	2779	0004801	1850	14935																
		OBS	1400	0481	35088	2779			14935																
		STD	1500	0460	3508	2780	0004697	1898	14943																
		OBS	1500	0460	35077	2780			14943																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	NODC STATION NUMBER	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
318007		EV	3234 N	07121 W		116	21	10	26	105	1965		028		5333	15	06	2	2		X1	0 3		0039
		WATER		WIND		BARO- METER (mbars)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
		COLOR CODE	TRANS. MM	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																
		OT	SO	14	SO5		261	244	7	25														
MESSENGER TIME HR. 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C						
		STD	0000	2479	3638	2447	0034741	0000	15359															
	105	OBS	0000	2479	36379	2447			15359															
		STD	0010	2479	3639	2448	0034681	0035	15361															
		OBS	0010	2479	36393	2448			15361															
		STD	0020	2479	3640	2448	0034693	0069	15362															
	002	OBS	0020	2479	36397	2448			15362															
		OBS	0025	2479	36405	2449			15363															
		STD	0030	2479	3641	2449	0034619	0104	15364															
		OBS	0030	2479	36413	2449			15364															
		STD	0050	2476	3641	2450	0034614	0173	15367															
		OBS	0050	2476	36413	2450			15367															
		OBS	0060	2476	36413	2450			15368															
		STD	0075	2219	3663	2542	0025950	0449	15310															
		OBS	0075	2219	36631	2542			15310															
		STD	0100	2049	3669	2594	0021136	0308	15271															
		OBS	0100	2049	36690	2594			15271															
		STD	0125	1930	3667	2624	0018366	0357	15242															
		OBS	0125	1930	36670	2624			15242															
		STD	0150	1888	3665	2633	0017587	0402	15234															
		OBS	0150	1888	36647	2633			15234															
		STD	0200	1844	3663	2642	0016845	0488	15230															
		OBS	0200	1844	36626	2642			15230															
		STD	0250	1826	3662	2646	0016629	0572	15233															
		STD	0300	1808	3661	2650	0016464	0655	15236															
		OBS	0300	1808	36607	2650			15236															
		STD	0400	1770	3653	2654	0016425	0619	15240															
		OBS	0400	1770	36534	2654			15240															
		STD	0500	1720	3644	2659	0016262	0983	15241															
		OBS	0500	1720	36439	2659			15241															
		STD	0600	1613	3622	2668	0015660	1142	15222															
		OBS	0600	1613	36224	2668			15222															
		STD	0700	1405	3585	2685	0014076	1291	15169															
		OBS	0700	1405	35853	2685			15169															
		STD	0800	1190	3555	2705	0012178	1422	15110															
		OBS	0800	1190	35550	2705			15110															
		STD	0900	0940	3528	2729	0009754	1532	15034															
		OBS	0900	0940	35283	2729			15034															
		STD	1000	0762	3514	2746	0008020	1621	14981															
		OBS	1000	0762	35142	2746			14981															
		STD	1100	0635	3509	2760	0006621	1694	14947															
		OBS	1100	0635	35089	2760			14947															
		STD	1200	0542	3509	2772	0005413	1754	14927															
		OBS	1200	0542	35089	2772			14927															
		STD	1300	0511	3510	2776	0005010	1806	14931															
		OBS	1300	0511	35101	2776			14931															
		STD	1400	0479	3508	2778	0004832	1855	14935															
		OBS	1400	0479	35080	2778			14935															
		STD	1500	0452	3507	2781	0004623	1903	14940															
		OBS	1500	0452	35072	2781			14940															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	ORBIT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	IO. NO.					10°	1°	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
31	8007	EV	3215 N	07053 W		116	20	10	26	146	1966		029	5349	15	20	2	2		X1	0	3	0040			
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						DT	SD	23	506		132	267					256	7	25							
MESSAGE TIME HR 1/10	CAS- T NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ O DTN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C									
		STD	0000	2436	3633	2456	0033857	0000	15348																	
146		OBS	0000	2436	36330	2456			15348																	
		STD	0010	2432	3632	2456	0033855	0034	15349																	
		OBS	0010	2432	36320	2456			15349																	
		STD	0020	2417	3629	2459	0033698	0068	15346																	
002		OBS	0020	2417	36288	2459			15346																	
		OBS	0025	2417	36288	2459			15347																	
		STD	0030	2416	3629	2459	0033710	0101	15348																	
		OBS	0030	2416	36288	2459			15348																	
		STD	0050	2416	3629	2459	0033797	0169	15351																	
		OBS	0050	2416	36287	2459			15351																	
		OBS	0065	2414	36288	2459			15353																	
		STD	0075	2249	3662	2533	0026844	0245	15318																	
		OBS	0075	2249	36620	2533			15318																	
		STD	0100	2015	3669	2603	0020287	0304	15262																	
		OBS	0100	2015	36687	2603			15262																	
		STD	0125	1916	3666	2626	0018099	0352	15238																	
		OBS	0125	1916	36659	2626			15238																	
		STD	0150	1877	3663	2635	0017419	0396	15231																	
		OBS	0150	1877	36633	2635			15231																	
		STD	0200	1839	3666	2646	0016485	0481	15229																	
		OBS	0200	1839	36659	2646			15229																	
		STD	0250	1823	3663	2648	0016484	0563	15232																	
		STD	0300	1808	3660	2650	0016493	0646	15236																	
		OBS	0300	1808	36603	2650			15236																	
		STD	0400	1783	3657	2653	0016504	0811	15244																	
		OBS	0400	1783	36566	2653			15244																	
		STD	0500	1729	3646	2658	0016358	0975	15244																	
		OBS	0500	1729	36455	2658			15244																	
		STD	0600	1606	3622	2669	0015537	1134	15220																	
		OBS	0600	1606	36219	2669			15220																	
		STD	0700	1401	3588	2688	0013803	1281	15168																	
		OBS	0700	1401	35879	2688			15168																	
		STD	0800	1173	3552	2706	0012060	1410	15103																	
		OBS	0800	1173	35521	2706			15103																	
		STD	0900	0925	3526	2730	0009663	1519	15028																	
		OBS	0900	0925	35260	2730			15028																	
		STD	1000	0748	3512	2747	0007960	1607	14976																	
		OBS	1000	0748	35120	2747			14976																	
		STD	1100	0638	3511	2761	0006533	1680	14949																	
		OBS	1100	0638	35107	2761			14949																	
		STD	1200	0548	3510	2772	0005424	1739	14929																	
		OBS	1200	0548	35099	2772			14929																	
		STD	1300	0499	3509	2777	0004910	1791	14926																	
		OBS	1300	0499	35092	2777			14926																	
		STD	1400	0477	3509	2779	0004760	1839	14934																	
		OBS	1400	0477	35086	2779			14934																	
		STD	1500	0453	3508	2781	0004578	1886	14941																	
		OBS	1500	0453	35080	2781			14941																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCHES	MARS SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT		
31	8007	EV	3157 N	07022 W		116	10	10	26	178	1966		030	5400	15	23	2	4		X1	0	3	0041	
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
CDLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB																
DT	SO	24	SI	10	129	272	261	7	24															
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t 10 ³	$\Sigma \Delta$ DYN. M. X 10 ³	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P µg - dl/l	TOTAL-P µg - dl/l	NO ₃ -N µg - dl/l	NO ₃ -N µg - dl/l	SiO ₄ -Si µg - dl/l	pH	S	C						
		STD	0000	2476	3636	2446	0034820	0000	15358															
178		OBS	0000	2476	36356	2446			15358															
		STD	0010	2474	3635	2446	0034868	0035	15359															
		OBS	0010	2474	36347	2446			15359															
		STD	0020	2480	3640	2448	0034701	0070	15363															
002		OBS	0020	2480	36400	2448			15363															
		OBS	0025	2490	36460	2450			15366															
		STD	0030	2489	3646	2450	0034571	0104	15367															
		OBS	0030	2489	36460	2450			15367															
		STD	0050	2478	3643	2451	0034535	0173	15367															
		OBS	0050	2478	36432	2451			15367															
		STD	0075	2198	3665	2550	0025247	0248	15305															
		OBS	0075	2198	36650	2550			15305															
		STD	0100	2010	3669	2604	0020160	0305	15260															
		OBS	0100	2010	36687	2604			15260															
		STD	0125	1939	3668	2622	0018553	0353	15245															
		OBS	0125	1939	36675	2622			15245															
		STD	0150	1887	3665	2633	0017540	0398	15234															
		OBS	0150	1887	36650	2633			15234															
		STD	0200	1841	3662	2643	0016816	0484	15229															
		OBS	0200	1841	36620	2643			15229															
		STD	0250	1823	3661	2646	0016629	0568	15232															
		STD	0300	1806	3660	2650	0016488	0651	15235															
		OBS	0300	1806	36597	2650			15235															
		STD	0400	1775	3654	2653	0016500	0416	15242															
		OBS	0400	1775	36540	2653			15242															
		STD	0500	1721	3643	2658	0016321	0980	15241															
		OBS	0500	1721	36434	2658			15241															
		STD	0600	1605	3617	2666	0015839	1141	15219															
		OBS	0600	1605	36174	2666			15219															
		STD	0700	1371	3580	2688	0013739	1288	15157															
		OBS	0700	1371	35801	2688			15157															
		STD	0800	1118	3546	2712	0011465	1414	15083															
		OBS	0800	1118	35459	2712			15083															
		STD	0900	0907	3523	2731	0009552	1520	15021															
		OBS	0900	0907	35233	2731			15021															
		STD	1000	0739	3515	2750	0007015	1605	14972															
		OBS	1000	0739	35148	2750			14972															
		STD	1100	0603	3508	2763	0006219	1675	14935															
		OBS	1100	0603	35080	2763			14935															
		STD	1200	0537	3508	2772	0005409	1733	14925															
		OBS	1200	0537	35080	2772			14925															
		STD	1300	0500	3510	2777	0004901	1784	14927															
		OBS	1300	0500	35095	2777			14927															
		STD	1400	0480	3509	2779	0004772	1833	14935															
		OBS	1400	0480	35090	2779			14935															
		STD	1500	0441	3507	2782	0004523	1879	14935															
		OBS	1500	0441	35065	2782			14935															

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER		
					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT	
					10"	1"	MO	DAY	HR. 1/10														
318007	EV	3156 N	06909 W		115	19	10	27	018	1966	031		5121	15	20	1	2		X1	0	3		0042
					WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE											
					DT	SD	26	S10	142	272	217	7	25										
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-S10°	Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₄ -Si μg - ml/l	pH	°C						
		STD	0000	2540	3648	2436	0035794	0000	15374														
018		OBS	0000	2540	36480	2436			15374														
		STD	0010	2540	3648	2436	0035835	0036	15376														
		OBS	0010	2540	36480	2436			15376														
		STD	0020	2540	3650	2437	0035732	0072	15378														
002		OBS	0020	2540	36500	2437			15378														
		OBS	0025	2542	36520	2438			15379														
		STD	0030	2550	3658	2440	0035493	0107	15383														
		OBS	0030	2550	36580	2440			15383														
		STD	0050	2553	3663	2443	0035305	0178	15387														
		OBS	0050	2553	36630	2443			15387														
		OBS	0060	2360	36769	2512			15345														
		STD	0075	2210	3674	2553	0024921	0253	15309														
		OBS	0075	2210	36740	2553			15309														
		STD	0100	2049	3666	2591	0021353	0311	15270														
		OBS	0100	2049	36660	2591			15270														
		STD	0125	1981	3665	2609	0019757	0363	15256														
		OBS	0125	1981	36654	2609			15256														
		STD	0150	1919	3666	2626	0018256	0410	15243														
		OBS	0150	1919	36660	2626			15243														
		STD	0200	1849	3659	2638	0017219	0499	15231														
		OBS	0200	1849	36591	2638			15231														
		STD	0250	1825	3658	2644	0016894	0584	15232														
		STD	0300	1802	3656	2648	0016659	0668	15233														
		OBS	0300	1802	36560	2648			15233														
		STD	0400	1759	3649	2653	0016510	0834	15236														
		OBS	0400	1759	36486	2653			15236														
		STD	0500	1701	3638	2659	0016249	0998	15234														
		OBS	0500	1701	36379	2659			15234														
		STD	0600	1581	3615	2669	0015500	1156	15212														
		OBS	0600	1581	36146	2669			15212														
		STD	0700	1360	3578	2689	0013633	1302	15153														
		OBS	0700	1360	35784	2689			15153														
		STD	0800	1139	3549	2710	0011621	1428	15091														
		OBS	0800	1139	35492	2710			15091														
		STD	0900	0898	3522	2731	0009509	1534	15017														
		OBS	0900	0898	35218	2731			15017														
		STD	1000	0722	3512	2750	0007593	1619	14965														
		OBS	1000	0722	35115	2750			14965														
		STD	1100	0612	3509	2763	0006313	1689	14938														
		OBS	1100	0612	35085	2763			14938														
		STD	1200	0550	3510	2771	0005467	1748	14930														
		OBS	1200	0550	35097	2771			14930														
		STD	1300	0516	3509	2775	0005146	1801	14933														
		OBS	1300	0516	35092	2775			14933														
		STD	1400	0484	3509	2779	0004828	1851	14937														
		OBS	1400	0484	35090	2779			14937														
		STD	1500	0454	3507	2780	0004694	1898	14941														
		OBS	1500	0454	35066	2780			14941														

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MO DAY HR 1/10	MARSOEN SQUARE		STATION TIME GMT			YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
					10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER	DIR.			HGT	PER	SEA		TYPE	AMT	
318007	EV	3155 N	06803 W	115 18 10 27 075	1966					032		5212	15	24	2	3		X1	0	3		0043
				WATER		WIND		AIR TEMP. °C				VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
COLOR CODE		TRANS. (m)	CIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB															
DT	SD	25	S10	125	261	239	7	24														
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANDWALT-2107	S Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CC					
		STD	0000	2580	3646	2422	0037120	0000	15383													
	075	OBS	0000	2580	36460	2422			15383													
		STD	0010	2580	3646	2422	0037161	0037	15385													
		OBS	0010	2580	36460	2422			15385													
		STD	0020	2580	3646	2422	0037203	0074	15386													
	002	OBS	0020	2580	36460	2422			15386													
		OBS	0025	2580	36460	2422			15387													
		STD	0030	2580	3646	2422	0037244	0112	15388													
		OBS	0030	2580	36460	2422			15388													
		STD	0050	2582	3654	2427	0036848	0186	15393													
		OBS	0050	2582	36535	2427			15393													
		STD	0075	2330	3671	2516	0028414	0267	15339													
		OBS	0075	2330	36712	2516			15339													
		STD	0100	2128	3672	2574	0022976	0331	15292													
		OBS	0100	2128	36720	2574			15292													
		STD	0125	2011	3671	2605	0020149	0385	15265													
		OBS	0125	2011	36705	2605			15265													
		STD	0150	1930	3668	2625	0018370	0434	15246													
		OBS	0150	1930	36682	2625			15246													
		STD	0200	1851	3663	2641	0016978	0522	15232													
		OBS	0200	1851	36631	2641			15232													
		STD	0250	1828	3662	2646	0016677	0606	15233													
		STD	0300	1809	3660	2649	0016538	0689	15236													
		OBS	0300	1809	36600	2649			15236													
		STD	0400	1780	3655	2652	0016569	0855	15243													
		OBS	0400	1780	36547	2652			15243													
		STD	0500	1719	3643	2658	0016339	1019	15240													
		OBS	0500	1719	36425	2658			15240													
		STD	0600	1603	3620	2668	0015613	1179	15219													
		OBS	0600	1603	36199	2668			15219													
		STD	0700	1399	3588	2689	0013746	1326	15167													
		OBS	0700	1399	35881	2689			15167													
		STD	0800	1179	3554	2707	0012052	1455	15106													
		OBS	0800	1179	35538	2707			15106													
		STD	0900	0934	3526	2729	0009818	1564	15031													
		OBS	0900	0934	35260	2729			15031													
		STD	1000	0741	3513	2749	0007756	1652	14973													
		OBS	1000	0741	35133	2749			14973													
		STD	1100	0606	3510	2765	0006109	1721	14936													
		OBS	1100	0606	35101	2765			14936													
		STD	1200	0537	3509	2772	0005365	1779	14925													
		OBS	1200	0537	35086	2772			14925													
		STD	1300	0495	3508	2777	0004942	1830	14924													
		OBS	1300	0495	35080	2777			14924													
		STD	1400	0469	3508	2779	0004709	1878	14930													
		OBS	1400	0469	35078	2779			14930													
		STD	1500	0448	3507	2781	0004605	1925	14938													
		OBS	1500	0448	35067	2781			14938													

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT	MARSDEN		STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX.	WAVE				WEA-	CLOUD		NODC						
CTRY	IO.	CODE	* 1/10	* 1/10	IN/OUT	SQUARE	10'	1'	MO	DAY		HR.1/10	CRUISE	STATION	BOTTOM	DEPTH	OF	DIR	HGT	PER	SEA	TH- THER		TYPE	AMT	STATION			
CODE	NO.											NO.	NUMBER		SAMPLE						CODE			NUMBER					
318007	EV		3155 N	06656 W		115	16	10	27	131	1966		033		4938	15	24	2	2		X1	0	3	0044					
						WATER		WIND				AIR TEMP. °C																	
						COLOR		TRANS.		SPEED		BARO-		DRY		WET		VIS.		NO.		SPECIAL							
						CODE		(m)		OF		METER		BULB		BULB		CODE		OBS.		OBSERVATIONS							
						DT		SD		S10		156		267		244		7		25									
MESSAGE	TIME	CAST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME		Σ Δ O		SOUND		O ₂ ml/l		PO ₄ -P		TOTAL-P		NO ₂ -N		NO ₃ -N		Si O ₄ -Si		pH		S C
HR 1/10	OF	NO.	TYPE						ANOMALY- σ_t	BY N. M.	X 10 ³	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		
			STD	0000	2500	3644	2445		0034933		0000		15364																
131			OBS	0000	2500	36437	2445						15364																
			STD	0010	2499	3644	2445		0034959		0035		15366																
			OBS	0010	2499	36435	2445						15366																
			STD	0020	2499	3644	2445		0034972		0070		15367																
002			OBS	0020	2499	36439	2445						15367																
			OBS	0025	2502	36470	2447						15369																
			STD	0030	2502	3647	2447		0034863		0105		15370																
			OBS	0030	2502	36472	2447						15370																
			OBS	0040	2505	36488	2447						15373																
			STD	0050	2455	3650	2463		0033417		0173		15363																
			OBS	0050	2455	36495	2463						15363																
			STD	0075	2113	3668	2576		0022768		0243		15284																
			OBS	0075	2113	36681	2576						15284																
			STD	0100	1960	3666	2615		0019065		0296		15246																
			OBS	0100	1960	36664	2615						15246																
			STD	0125	1905	3665	2629		0017885		0342		15235																
			OBS	0125	1905	36651	2629						15235																
			STD	0150	1859	3662	2638		0017061		0386		15226																
			OBS	0150	1859	36622	2638						15226																
			STD	0200	1820	3660	2646		0016462		0469		15223																
			OBS	0200	1820	36599	2646						15223																
			STD	0250	1812	3659	2648		0016509		0552		15228																
			STD	0300	1797	3657	2650		0016453		0634		15232																
			OBS	0300	1797	36572	2650						15232																
			STD	0400	1744	3648	2656		0016184		0797		15232																
			OBS	0400	1744	36482	2656						15232																
			STD	0500	1700	3640	2661		0016074		0959		15234																
			OBS	0500	1700	36400	2661						15234																
			STD	0600	1540	3609	2674		0014968		1114		15198																
			OBS	0600	1540	36093	2674						15198																
			STD	0700	1365	3582	2691		0013462		1256		15155																
			OBS	0700	1365	35822	2691						15155																
			STD	0800	1151	3551	2710		0011689		1382		15096																
			OBS	0800	1151	35514	2710						15096																
			STD	0900	0923	3523	2728		0009826		1489		15027																
			OBS	0900	0923	35233	2728						15027																
			STD	1000	0741	3511	2747		0007895		1578		14973																
			OBS	1000	0741	35114	2747						14973																
			STD	1100	0621	3510	2763		0006334		1649		14942																
			OBS	1100	0621	35100	2763						14942																
			STD	1200	0558	3510	2771		0005558		1709		14933																
			OBS	1200	0558	35100	2771						14933																
			STD	1300	0521	3511	2776		0005092		1762		14935																
			OBS	1300	0521	35109	2776						14935																
			STD	1400	0497	3511	2779		0004841		1811		14942																
			OBS	1400	0497	35113	2779						14942																
			STD	1500	0479	3512	2781		0004670		1859		14952																
			OBS	1500	0479	35117	2781						14952																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSQEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV		3154 N	06543 W	115	15	10	27	187	1966		034		4755	10	24	2	4		X1	0	3	0045
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB												
						DT	SD	21	S12	146	250	239	7	21									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	DOC					
		STD	0000	2519	3626	2426	0036732		0000	15367													
187		OBS	0000	2519	36264	2426				15367													
		STD	0010	2515	3625	2426	0036743		0037	15367													
		OBS	0010	2515	36252	2426				15367													
001		STD	0020	2504	3626	2430	0036376		0073	15367													
		OBS	0020	2504	36264	2430				15367													
		OBS	0025	2503	36265	2431				15367													
		STD	0030	2502	3627	2431	0036345		0110	15368													
		OBS	0030	2502	36266	2431				15368													
		STD	0050	2502	3631	2435	0036096		0182	15372													
		OBS	0050	2502	36312	2435				15372													
		STD	0075	2443	3661	2475	0032347		0268	15365													
		OBS	0075	2443	36610	2475				15365													
		STD	0100	2070	3666	2585	0021916		0335	15276													
		OBS	0100	2070	36657	2585				15276													
		STD	0125	1912	3659	2622	0018506		0386	15236													
		OBS	0125	1912	36589	2622				15236													
		OBS	0139	1847	36577	2638				15220													
		STD	0150	1841	3658	2639	0016951		0430	15220													
		OBS	0150	1841	36577	2639				15220													
		STD	0200	1829	3657	2642	0016874		0515	15225													
		OBS	0200	1829	36572	2642				15225													
		STD	0250	1797	3653	2647	0016584		0599	15223													
		STD	0300	1770	3650	2651	0016338		0681	15223													
		OBS	0300	1770	36499	2651				15223													
		STD	0400	1730	3643	2656	0016215		0844	15227													
		OBS	0400	1730	36432	2656				15227													
		STD	0500	1679	3632	2660	0016156		1005	15227													
		OBS	0500	1679	36321	2660				15227													
		STD	0600	1520	3604	2675	0014881		1161	15191													
		OBS	0600	1520	36044	2675				15191													
		STD	0700	1280	3565	2695	0013010		1300	15125													
		OBS	0700	1280	35645	2695				15125													
		STD	0800	1160	3544	2703	0012370		1427	15098													
		OBS	0800	1160	35444	2703				15098													
		STD	0900	1004	3531	2721	0010683		1542	15057													
		OBS	0900	1004	35310	2721				15057													
		STD	1000	0842	3517	2736	0009110		1641	15012													
		OBS	1000	0842	35170	2736				15012													
		OBS	1050	0720	35070	2747				14972													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSQEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV		3154 N	06543 W	115	15	10	27	198	1966		034		4755	31	24	2	4		X1	7	7	0046
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB												
								21	S12	146	250	239	7	06									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	DOC					
		STD	0000	2520	3627	2426	0036733		0000	15367													
198		OBS	0000	2520	36268	2426				15367													
		STD	0010	2512	3628	2429	0036483		0037	15367													
198		OBS	0010	2512	36276	2429				15367													
198		OBS	T1534	0437	35002	2777				14939													
		STD	1750	0411	3499	2779	0004897			14964													
		STD	2000	0383	3498	2781	0004797			14995													
198		OBS	T2057	0377	34979	2781				15002													
		STD	2500	0338	3497	2785	0004612			15061													
198		OBS	2579	0331	34965	2785				15071													
		STD	3000	0289	3494	2787	0004624			15126													
198		OBS	T3100	0279	34935	2787				15139													

REFERENCE	SHIP CODE	LATITUDE *	LONGITUDE *	JOURN NO.	MARSOEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
318007	EV	3154 N	06543 W		115	15	10	27	198	1966	034		4755	31	24	2	4		X1	7	7		0046
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB														
					21	S12	146	250	239	7	06												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-310°	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C						
		STD	0000	2520	3627	2426	0036733	0000	15367														
198		OBS	0000	2520	36268	2426			15367														
		STD	0010	2512	3628	2429	0036483	0037	15367														
198		OBS	0010	2512	36276	2429			15367														
198		OBS	T1534	0437	35002	2777			14939														
		STD	1750	0411	3499	2779	0004897		14964														
		STD	2000	0383	3498	2781	0004797		14995														
198		OBS	T2057	0377	34979	2781			15002														
		STD	2500	0338	3497	2785	0004612		15061														
198		OBS	2579	0331	34965	2785			15071														
		STD	3000	0289	3494	2787	0004424		15126														
198		OBS	T3100	0279	34935	2787			15139														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	UNIT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CITY CODE	IO. NO.					10°	1°	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	32250N	064308W		115	24	10	28	031	1966	035		1884	14	17	2	2		X1	0	3	0047
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
COLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE	DIR.	FORCE	DRY BULB	WET BULB															
DT	SD	20	S15	152	250	233	8	27															
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ol/l}$	TOTAL-P $\mu\text{g} \cdot \text{ol/l}$	NO ₂ -N $\mu\text{g} \cdot \text{ol/l}$	NO ₃ -N $\mu\text{g} \cdot \text{ol/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ol/l}$	pH	S C C						
		STO	0000	2467	3634	2447	0034668	0000	15356														
	031	OBS	0000	2467	36341	2447			15356														
		STO	0010	2465	3634	2448	0034644	0035	15357														
		OBS	0010	2465	36342	2448			15357														
	002	STO	0020	2464	3637	2450	0034483	0069	15358														
		OBS	0020	2464	36366	2450			15358														
		OBS	0025	2464	36367	2450			15359														
		STO	0030	2460	3637	2451	0034408	0104	15359														
		OBS	0030	2460	36366	2451			15359														
		STO	0050	2405	3639	2470	0032743	0171	15349														
		OBS	0050	2405	36390	2470			15349														
		STO	0075	2260	3653	2523	0027800	0446	15320														
		OBS	0075	2260	36529	2523			15320														
		STO	0100	1959	3659	2610	0019597	0306	15245														
		OBS	0100	1959	36587	2610			15245														
		OBS	0118	1873	36589	2632			15224														
		STO	0125	1871	3659	2633	0017517	0352	15225														
		OBS	0125	1871	36587	2633			15225														
		STO	0150	1840	3657	2639	0016949	0395	15220														
		OBS	0150	1840	36574	2639			15220														
		STO	0200	1812	3656	2645	0016574	0479	15220														
		OBS	0200	1812	36557	2645			15220														
		STO	0250	1791	3653	2648	0016441	0562	15222														
		STO	0300	1769	3650	2651	0016314	0643	15223														
		OBS	0300	1769	36499	2651			15223														
		STO	0400	1726	3641	2655	0016302	0807	15226														
		OBS	0400	1726	36407	2655			15226														
		OBS	0460	1688	36357	2660			15224														
		STO	0500	1620	3622	2666	0015512	0966	15208														
		OBS	0500	1620	36223	2666			15208														
		STO	0600	1493	3601	2678	0014573	1116	15182														
		OBS	0600	1493	36005	2678			15182														
		STO	0700	1420	3588	2684	0014234	1260	15174														
		OBS	0700	1420	35875	2684			15174														
		STO	0800	1304	3569	2694	0013438	1398	15150														
		OBS	0800	1304	35689	2694			15150														
		OBS	0880	1198	35546	2703			15125														
		STO	0900	1097	3540	2711	0011753	1524	15092														
		OBS	0900	1097	35397	2711			15092														
		OBS	0950	1031	35342	2718			15076														
		STO	1000	0800	3514	2740	0008671	1626	14996														
		OBS	1000	0800	35136	2740			14996														
		STO	1100	0619	3505	2759	0006686	1703	14941														
		OBS	1100	0619	35048	2759			14941														
		STO	1200	0563	3508	2768	0005805	1766	14935														
		OBS	1200	0563	35076	2768			14935														
		STO	1300	0523	3506	2771	0005508	1822	14935														
		OBS	1300	0523	35056	2771			14935														
		STO	1400	0471	3503	2775	0005116	1875	14930														
		OBS	1400	0471	35026	2775			14930														

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DATE	MARS		STATION TIME				YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE				WEA-	CLOUD		NODC
CTRY	ID.	CODE	"	"		SQUARE	MO	DAY	HR.	1/10	CRUISE		STATION	TO			OF	DIR.	HGT	PER		SEA	THER	
CODE	NO.		1/10	1/10		10"	1"							BOTTOM	S'MPL'S					CODE			NUMBER	
31	8007	EV	3315 N	06335 W		115	33	10	31	047	1966		036	4481	16	03	5	3		X2	5	9	0048	
		WATER		WIND		BARO-		AIR TEMP. °C		VIS.		NO. OBS.		SPECIAL										
		COLOR	TRANS.	DIR.	SPEED	METER		DRY	WET	CODE		DEPTHS		OBSERVATIONS										
		CODE	(m)		OF	(mb)		BULB	BULB															
					FORCE																			
					02	515	186	211	167	7	11													
MESSAGE	CAST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	Σ Δ D	SOUND	O ₂ ml/l	PD ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiD ₄ -Si	pH	S							
TIME	NO.	TYPE					ANOMALY-3107	DYN. M.	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C							
HR 1/10								X 10 ³																
		STD	0010	2442																				
047		OBS	0010	2442	3501P	2354P																		
		STD	0020	2439																				
047		OBS	0025	2438	3502P	2356P																		
		STD	0030	2438																				
		STD	0050	2438																				
047		OBS	0051	2438	3507P	2360P																		
		STD	0075	2246																				
		STD	0100	2085																				
		STD	0125	1961																				
		STD	0150	1877																				
047		OBS	0151	1874	3653P	2627P																		
		STD	0200	1826																				
047		OBS	T0202	1824	3656P	2642P																		
		STD	0250	1808																				
		STD	0300	1790																				
047		OBS	0304	1788	3659P	2654P																		
		STD	0400	1754																				
047		OBS	T0431	1732	3662P	2670P																		
		STD	0500	1623																				
		STD	0600	1460																				
		STD	0700	1294																				
047		OBS	T0710	1277	3643P	2756P																		
		STD	0800	1047																				
		STD	0900	0836																				
		STD	1000	0672																				
		STD	1100	0555																				
047		OBS	T1130	0529	3643P	2879P																		
		STD	1200	0504																				
		STD	1300	0472																				
047		OBS	T1329	0464	3643P	2887P																		
		STD	1400	0446																				
		STD	1500	0424																				
047		OBS	T1641	0403	3646P	2896P																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	MARS DEN INDIC	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT.	PER	SEA		TYPE	AMT		
318007	EV		3356 N	00234 W		115	32	10	31	122	1966		037	4207	15	25	5	3		X1	0	3	0049	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)		DRY BULB	WET BULB	VIS. CODE														
		DT	SD	20	510	207		194	144	7		24												
MESSENGER TIME OF HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ O DYN. M. $\times 10^3$		SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH					
		STD	0000	2378	3619	2463		0033212		0000		15332												
122		OBS	0000	2378	36191	2463		0033252		0033		15332												
		STD	0010	2378	3619	2463		0033252		0033		15334												
		OBS	0010	2378	36191	2463		0033252		0033		15334												
		STD	0020	2379	3619	2463		0033306		0067		15336												
002		OBS	0020	2379	36193	2463		0033306		0067		15336												
		OBS	0025	2379	36193	2463		0033306		0067		15336												
		STD	0030	2379	3619	2463		0033346		0100		15338												
		OBS	0030	2379	36193	2463		0033346		0100		15338												
		STD	0050	2379	3620	2463		0033411		0167		15341												
		OBS	0050	2379	36195	2463		0033411		0167		15341												
		STD	0075	2380	3623	2465		0033265		0250		15346												
		OBS	0075	2380	36233	2465		0033265		0250		15346												
		STD	0100	2254	3665	2533		0026884		0325		15343												
		OBS	0100	2254	36647	2533		0026884		0325		15343												
		STD	0125	2060	3670	2586		0021945		0386		15283												
		OBS	0125	2080	36702	2586		0021945		0386		15283												
		STD	0150	1992	3669	2609		0019689		0438		15264												
		OBS	0150	1992	36687	2609		0019689		0438		15264												
		STD	0200	1889	3662	2630		0017965		0533		15242												
		OBS	0200	1889	36620	2630		0017965		0533		15242												
		STD	0250	1844	3660	2640		0017209		0621		15238												
		STD	0300	1811	3657	2647		0016789		0706		15236												
		OBS	0300	1811	36572	2647		0016789		0706		15236												
		STD	0400	1780	3653	2651		0016714		0874		15243												
		OBS	0400	1780	36527	2651		0016714		0874		15243												
		STD	0500	1721	3643	2658		0016372		1039		15241												
		OBS	0500	1721	36427	2658		0016372		1039		15241												
		STD	0600	1617	3619	2664		0015967		1201		15223												
		OBS	0600	1617	36194	2664		0015967		1201		15223												
		STD	0700	1368	3577	2686		0013930		1350		15156												
		OBS	0700	1368	35766	2686		0013930		1350		15156												
		STD	0800	1144	3546	2707		0011949		1480		15092												
		OBS	0800	1144	35460	2707		0011949		1480		15092												
		STD	0900	0909	3521	2729		0009769		1588		15021												
		OBS	0900	0909	35208	2729		0009769		1588		15021												
		STD	1000	0679	3503	2749		0007539		1675		14948												
		OBS	1000	0679	35033	2749		0007539		1675		14948												
		STD	1100	0578	3507	2765		0005971		1742		14924												
		OBS	1100	0578	35065	2765		0005971		1742		14924												
		STD	1200	0523	3506	2771		0005382		1799		14919												
		OBS	1200	0523	35057	2771		0005382		1799		14919												
		STD	1300	0487	3505	2775		0005037		1851		14921												
		OBS	1300	0487	35052	2775		0005037		1851		14921												
		STD	1400	0458	3504	2777		0004873		1901		14925												
		OBS	1400	0458	35035	2777		0004873		1901		14925												
		STD	1500	0436	3502	2779		0004755		1949		14933												
		OBS	1500	0436	35024	2779		0004755		1949		14933												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DRIFT HOURS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT					
31	8007	EV	34400N	061255W		115	41	10	31	193	1966		038	4207	15	34	4	2		X1	0	3	0050				
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB															
						DT	SD	03	S08	234	206	161	7	27													
MESSNGR TIME HR 1/10		CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DTN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S CODE							
			STO	0000	2333	3615	2473		0032285		0000	15321															
193			OBS	0000	2333	36145	2473					15321															
			STO	0010	2333	3615	2473		0032324		0032	15323															
			OBS	0010	2333	36145	2473					15323															
			STO	0020	2333	3615	2473		0032328		0065	15324															
002			OBS	0020	2333	36150	2473					15324															
			OBS	0025	2334	36150	2473					15325															
			STO	0030	2334	3615	2473		0032395		0097	15326															
			OBS	0030	2334	36150	2473					15326															
			STO	0050	2335	3616	2473		0032466		0162	15330															
			OBS	0050	2335	36155	2473					15330															
			OBS	0070	2329	36167	2475					15332															
			STO	0075	2259	3627	2503		0029668		0240	15316															
			OBS	0075	2259	36266	2503					15316															
			STO	0100	2087	3663	2578		0022589		0305	15280															
			OBS	0100	2087	36625	2578					15280															
			STO	0125	1979	3665	2609		0019757		0358	15255															
			OBS	0125	1979	36647	2609					15255															
			STO	0150	1915	3663	2624		0018410		0405	15242															
			OBS	0150	1915	36625	2624					15242															
			STO	0200	1850	3659	2638		0017280		0495	15231															
			OBS	0200	1850	36586	2638					15231															
			STO	0250	1826	3658	2643		0016918		0580	15232															
			STO	0300	1799	3656	2648		0016616		0664	15232															
			OBS	0300	1799	36556	2648					15232															
			STO	0400	1738	3644	2655		0016331		0829	15230															
			OBS	0400	1738	36442	2655					15230															
			STO	0500	1659	3630	2662		0015875		0990	15221															
			OBS	0500	1659	36296	2662					15221															
			STO	0600	1490	3598	2677		0014689		1143	15181															
			OBS	0600	1490	35980	26770																				
			STO	0700	1267	3564	2697		0012808		1280	15120															
			OBS	0700	1267	35637	2697					15120															
			STO	0800	1019	3527	2715		0011050		1399	15046															
			OBS	0800	1019	35267	2715					15046															
			OBS	0840	0917	35190	2726					15014															
			OBS	0889	0860	35123	2730					15000															
			STO	0900	0799	3507	2735		0008985		1500	14978															
			OBS	0900	0799	35067	2735					14978															
			STO	1000	0622	3505	2758		0006605		1578	14925															
			OBS	1000	0622	35046	2758					14925															
			STO	1100	0522	3502	2768		0005543		1638	14901															
			OBS	1100	0522	35017	2768					14901															
			STO	1200	0486	3501	2772		0005192		1692	14903															
			OBS	1200	0486	35014	2772					14903															
			STO	1300	0460	3502	2776		0004906		1742	14909															
			OBS	1300	0460	35020	2776					14909															
			STO	1400	0440	3501	2777		0004834		1791	14917															
			OBS	1400	0440	35007	2777					14917															
			STO	1500	0422	3501	2779		0004705		1839	14927															
			OBS	1500	0422	35005	2779					14927															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH FATHOMS	MARSGEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		STATION NUMBER	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	8007	EV	3515 N	06020 W		115	50	11	01	027	1966		039	4663	31	07	1	4		X2	0	3		0051
		WATER COLOR CODE	WIND		DIR.	SPEED OR FORCE	BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
			TRANS. M					DRY BULB	WET BULB															
			OT	SO				07	S10					281	206	183	7	28						
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g \cdot dl/l$	TOTAL-P $\mu g \cdot dl/l$	NO ₂ -N $\mu g \cdot dl/l$	NO ₃ -N $\mu g \cdot dl/l$	SIO ₄ -Si $\mu g \cdot dl/l$	pH	S	COND						
		STD	0000	2389	3627	2465		0032982	0000															
	027	OBS	0000	2389	36266	2465																		
		STD	0010	2390	3627	2465		0033050	0033															
		OBS	0010	2390	36266	2465																		
		STD	0020	2390	3627	2465		0033090	0066															
	002	OBS	0020	2390	36266	2465																		
		OBS	0025	2390	36266	2465																		
		STD	0030	2390	3627	2465		0033130	0099															
		OBS	0030	2390	36266	2465																		
		STD	0050	2390	3627	2465		0033203	0166															
		OBS	0050	2390	36267	2465																		
		STD	0075	2099	3661	2574		0022929	0236															
		OBS	0075	2099	36608	2574																		
		STD	0100	1949	3663	2615		0019058	0288															
		OBS	0100	1949	36627	2615																		
		STD	0125	1894	3662	2629		0017854	0334															
		OBS	0125	1894	36618	2629																		
		STD	0150	1857	3659	2636		0017244	0378															
		OBS	0150	1857	36590	2636																		
		STD	0200	1818	3658	2645		0016580	0463															
		OBS	0200	1818	36576	2645																		
		STD	0250	1804	3657	2648		0016462	0545															
		STD	0300	1787	3655	2651		0016395	0628															
		OBS	0300	1787	36547	2651																		
		STD	0400	1744	3647	2655		0016278	0791															
		OBS	0400	1744	36469	2655																		
		STD	0500	1700	3641	2661		0016038	0952															
		OBS	0500	1700	36405	2661																		
		STD	0600	1539	3604	2670		0015343	1109															
		OBS	0600	1539	36038	2670																		
		STD	0700	1321	3571	2692		0013389	1253															
		OBS	0700	1321	35707	2692																		
		STD	0800	1054	3534	2714		0011149	1376															
		OBS	0800	1054	35340	2714																		
		STD	0900	0812	3512	2737		0008828	1476															
		OBS	0900	0812	35117	2737																		
		STD	1000	0660	3503	2752		0007271	1556															
		OBS	1000	0660	35031	2752																		
		STD	1100	0562	3504	2766		0005899	1622															
		OBS	1100	0562	35044	2766																		
		STD	1200	0500	3505	2773		0005132	1677															
		OBS	1200	0500	35048	2773																		
		STD	1300	0479	3506	2776		0004906	1727															
		OBS	1300	0479	35055	2776																		
		STD	1400	0457	3504	2778		0004808	1776															
		OBS	1400	0457	35042	2778																		
	043	OBS	T1478	0436	36430	28900																		
		STD	1500	0432	3503	2779		0004686	1823															
		OBS	1500	0432	35026	2779																		
		STD	1750	0404	3500	2780		0004727	1941															
		STD	2000	0377	3498	2782		0004713	2059															
	043	OBS	T2034	0374	34974	2781																		
		STD	2500	0331	3496	2785		0004560	2491															
	043	OBS	T2621	0320	34960	2786																		
		STD	3000	0286	3494	2787		0004379	2514															
	043	OBS	T3112	0276	34937	2788																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					MO	DAY	HR.1/10	CRUISE NO.	STATION NUMBER		DIR.	HGT			PER	SEA	TYPE	AMT				
31	8007	EV	3542 N	06050 W	115	50	11	01	081	1966		040	4612	15	06	4	4		X1	0	3		0052
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIL. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	Z95		DRY BULB	WET BULB										
						DT	SD	06	S07			211	194	7	25								
MESSNGR TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ O DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C C				
081		STD	0000	2340	3614	2470	0032523		0000		15323												
		OBS	0000	2340	36139	2470					15323												
002		STD	0010	2340	3614	2470	0032563		0033		15324												
		OBS	0010	2340	36139	2470					15324												
		STD	0020	2340	3614	2470	0032602		0065		15326												
		OBS	0020	2340	36139	2470					15326												
		OBS	0025	2340	36139	2470					15327												
		STD	0030	2340	3614	2470	0032642		0098		15328												
		OBS	0030	2340	36139	2470					15328												
		STD	0050	2340	3614	2470	0032721		0163		15331												
		OBS	0050	2340	36139	2470					15331												
		OBS	0069	2320	36375	2494					15332												
		STD	0075	2220	3653	2534	0026727		0437		15309												
		OBS	0075	2220	36527	2534					15309												
		STD	0100	2060	3663	2586	0021867		0498		15273												
		OBS	0100	2060	36628	2586					15273												
		STD	0125	1952	3660	2612	0019441		0350		15247												
		OBS	0125	1952	36597	2612					15247												
		STD	0150	1875	3657	2630	0017833		0396		15230												
		OBS	0150	1875	36569	2630					15230												
		STD	0200	1820	3657	2644	0016701		0483		15222												
		OBS	0200	1820	36566	2644					15222												
	STD	0250	1802	3655	2647	0016559		0566		15225													
	STD	0300	1781	3652	2650	0016418		0648		15227													
	OBS	0300	1781	36524	2650					15227													
	STD	0400	1733	3643	2655	0016300		0812		15228													
	OBS	0400	1733	36430	2655					15228													
	STD	0500	1639	3624	2663	0015843		0973		15214													
	OBS	0500	1639	36237	2663					15214													
	STD	0600	1440	3588	2680	0014309		1123		15164													
	OBS	0600	1440	35884	2680					15164													
	STD	0700	1162	3546	2704	0012022		1255		15082													
	OBS	0700	1162	35464	2704					15082													
	STD	0800	0930	3521	2725	0009921		1365		15012													
	OBS	0800	0930	35209	2725					15012													
	STD	0900	0753	3510	2744	0008049		1455		14961													
	OBS	0900	0753	35096	2744					14961													
	STD	1000	0586	3503	2761	0006239		1526		14911													
	OBS	1000	0586	35026	2761					14911													
	STD	1100	0527	3503	2769	0005524		1585		14903													
	OBS	1100	0527	35029	2769					14903													
	STD	1200	0498	3505	2773	0005127		1638		14908													
	OBS	1200	0498	35045	2773					14908													
	STD	1300	0479	3505	2776	0004950		1688		14917													
	OBS	1300	0479	35049	2776					14917													
	STD	1400	0450	3504	2778	0004735		1737		14922													
	OBS	1400	0450	35039	2778					14922													
	STD	1500	0432	3503	2779	0004679		1784		14931													
	OBS	1500	0432	35027	2779					14931													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
31	8007	EV	3605 N	06046 W		115	60	11	01	107	1966		041		4846	15	06	4	4		X1	0	3		0053
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB																	
		DT	SD	06	507	312	206	167	7					28											
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	D ₂ ml/l	PD ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SIO ₄ -Si μg - ml/l	pH	S C								
		STD	0000	2323	3611	2473	0032231	0000	15318																
107		OBS	0000	2323	36114	2473			15318																
		STD	0010	2323	3611	2473	0032270	0032	15320																
		OBS	0010	2323	36114	2473			15320																
		STD	0020	2325	3613	2473	0032279	0065	15322																
002		OBS	0020	2325	36126	2473			15322																
		OBS	0025	2325	36126	2473			15323																
		STD	0030	2325	3613	2473	0032311	0097	15324																
		OBS	0030	2325	36127	2473			15324																
		STD	0050	2332	3617	2474	0032296	0161	15329																
		OBS	0050	2332	36167	2474			15329																
		OBS	0067	2332	36189	2476			15332																
		STD	0075	2293	3637	2501	0029851	0239	15326																
		OBS	0075	2293	36480	25100																			
		STD	0100	2084	3671	2585	0021933	0304	15280																
		OBS	0100	2084	36705	2585			15280																
		STD	0125	1991	3666	2607	0019981	0356	15259																
		OBS	0125	1991	36658	2607			15259																
		STD	0150	1915	3662	2623	0018475	0404	15241																
		OBS	0150	1915	36616	2623			15241																
		STD	0200	1802	3649	2642	0016842	0493	15216																
		OBS	0200	1802	36487	2642			15216																
		STD	0250	1775	3647	2648	0016495	0576	15216																
		STD	0300	1749	3645	2653	0016168	0658	15217																
		OBS	0300	1749	36454	2653			15217																
		STD	0400	1699	3639	2660	0015817	0818	15217																
		OBS	0400	1699	36387	2660			15217																
		STD	0500	1526	3603	2672	0014842	0971	15177																
		OBS	0500	1526	36026	2672			15177																
		STD	0600	1274	3565	2696	0012621	1108	15106																
		OBS	0600	1274	35646	2696			15106																
		STD	0700	1000	3527	2718	0010507	1224	15022																
		OBS	0700	1000	35266	2718			15022																
		STD	0800	0820	3512	2736	0008778	1320	14970																
		OBS	0800	0820	35117	2736			14970																
		OBS	0812	0762	35080	27410																			
		OBS	0841	0756	35020	2737			14951																
		OBS	0881	0640	35037	2755			14912																
		STD	0900	0628	3505	2757	0006558	1397	14911																
		OBS	0900	0628	35045	2757			14911																
		STD	1000	0538	3503	2767	0005574	1458	14891																
		OBS	1000	0538	35026	2767			14891																
		STD	1100	0502	3503	2772	0005199	1511	14893																
		OBS	1100	0502	35027	2772			14893																
		STD	1200	0469	3503	2775	0004869	1562	14896																
		OBS	1200	0469	35027	2775			14896																
		STD	1300	0459	3503	2776	0004841	1610	14909																
		OBS	1300	0459	35027	2776			14909																
		STD	1400	0432	3501	2778	0004705	1658	14914																
		OBS	1400	0432	35010	2778			14914																
		STD	1500	0404	3501	2781	0004457	1704	14919																
		OBS	1500	0404	35006	2781			14919																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FOOT	MARDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR./10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
318	0007	EV	3630 N	06120 W		115	61	11	01	149	1966		042		4800	15	07	2	4		X1	0	3	0054
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)		DRY BULB	WET BULB															
		DT	SD	09	S18	325		288	178															
MESSENGER TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	ST CC							
149		STD	0000	2354	3626	2475	0032063	0000	15327															
		OBS	0000	2354	36257	2475			15327															
002		STD	0010	2353	3626	2475	0032075	0032	15329															
		OBS	0010	2353	36257	2475			15329															
		STD	0020	2359	3626	2474	0032268	0064	15332															
		OBS	0020	2359	36259	2474			15332															
		OBS	0025	2359	36259	2474			15333															
		STD	0030	2359	3626	2474	0032308	0097	15334															
		OBS	0030	2359	36259	2474			15334															
		OBS	0048	2356	36261	2475			15336															
		STD	0050	2340	3628	2481	0031690	0161	15332															
		OBS	0050	2340	36282	2481			15332															
		STD	0075	2119	3663	2570	0023301	0229	15284															
		OBS	0075	2119	36629	2570			15284															
		STD	0100	1949	3662	2615	0019109	0282	15243															
		OBS	0100	1949	36620	2615			15243															
		STD	0125	1871	3660	2634	0017408	0328	15225															
		OBS	0125	1871	36602	2634			15225															
		STD	0150	1841	3657	2639	0017023	0371	15220															
		OBS	0150	1841	36567	2639			15220															
		STD	0200	1792	3655	2650	0016119	0454	15214															
		OBS	0200	1792	36554	2650			15214															
		STD	0250	1779	3653	2651	0016156	0535	15218															
		STD	0300	1759	3650	2654	0016078	0615	15220															
		OBS	0300	1759	36499	2654			15220															
		STD	0400	1698	3639	2660	0015794	0774	15217															
		OBS	0400	1698	36387	2660			15217															
		STD	0500	1557	3609	2670	0015040	0929	15187															
		OBS	0500	1557	36093	2670			15187															
		STD	0600	1319	3568	2690	0013254	1070	15122															
		OBS	0600	1319	35683	2690			15122															
		STD	0700	1047	3530	2712	0011107	1192	15040															
		OBS	0700	1047	35298	2712			15040															
		STD	0800	0812	3511	2736	0008731	1291	14967															
		OBS	0800	0812	35106	2736			14967															
		OBS	0830	0720	35067	2746			14936															
		OBS	0848	0720	35094	2749			14939															
		STD	0900	0659	3507	2755	0006845	1369	14924															
		OBS	0900	0659	35067	2755			14924															
		OBS	0962	0613	35042	2759			14915															
		OBS	0979	0562	35023	2764			14897															
		OBS	0991	0573	35053	2765			14904															
		STD	1000	0553	3503	2765	0005780	1432	14897															
		OBS	1000	0553	35026	2765			14897															
		STD	1100	0496	3502	2772	0005178	1487	14891															
		OBS	1100	0496	35019	2772			14891															
		STD	1200	0460	3501	2775	0004889	1537	14892															
		OBS	1200	0460	35008	2775			14892															
		STD	1300	0440	3500	2776	0004786	1586	14901															
		OBS	1300	0440	35000	2776			14901															
		STD	1400	0421	3500	2778	0004640	1633	14910															
		OBS	1400	0421	34999	2778			14910															
		STD	1500	0421	3502	2780	0004603	1679	14927															
		OBS	1500	0421	35017	2780			14927															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10"	LONGITUDE ° ' 10"	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOO. STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
31	8007	EV	36562N	06138 W	115	61	11	01	176	1966		043		4938	15	10	2	2		X1	0	3		0055
		WATER COLOR CODE	TRANS. (m)	WIND DIR.	SPEED OR FORCE	BARO- METER (mb)	AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS														
							DRY BULB	WET BULB																
							DT	SD			06	520	322	228	178	7	26							
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Delta \sigma$ OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	1 CC							
		STD	0000	2263	3630	2505	0029239	0000	15305															
176		OBS	0000	2263	36300	2505			15305															
		STD	0010	2263	3630	2505	0029278	0029	15307															
		OBS	0010	2263	36300	2505			15307															
		STD	0020	2263	3630	2505	0029317	0059	15309															
002		OBS	0020	2263	36300	2505			15309															
		OBS	0025	2263	36300	2505			15309															
		STD	0030	2263	3630	2505	0029357	0088	15310															
		OBS	0030	2263	36300	2505			15310															
		STD	0050	2263	3630	2504	0029442	0147	15314															
		OBS	0050	2263	36299	2504			15314															
		OBS	0066	2263	36298	2504			15316															
		STD	0075	2128	3641	2551	0025140	0215	15284															
		OBS	0075	2128	36407	2551			15284															
		STD	0100	1980	3661	2606	0019980	0271	15251															
		OBS	0100	1980	36607	2606			15251															
		STD	0125	1901	3659	2625	0018250	0319	15233															
		OBS	0125	1901	36587	2625			15233															
		STD	0150	1849	3657	2637	0017209	0363	15222															
		OBS	0150	1849	36568	2637			15222															
		STD	0200	1809	3656	2646	0016473	0448	15219															
		OBS	0200	1809	36561	2646			15219															
		STD	0250	1787	3654	2650	0016274	0530	15221															
		STD	0300	1765	3651	2653	0016154	0611	15222															
		OBS	0300	1765	36508	2653			15222															
		STD	0400	1720	3642	2658	0016039	0772	15224															
		OBS	0400	1720	36424	2658			15224															
		STD	0500	1641	3628	2666	0015549	0929	15215															
		OBS	0500	1641	36284	2666			15215															
		OBS	0560	1499	36002	2676			15178															
		STD	0600	1457	3593	2680	0014375	1079	15170															
		OBS	0600	1457	35925	2680			15170															
		STD	0700	1210	3554	2700	0012413	1213	15100															
		OBS	0700	1210	35537	2700			15100															
		STD	0800	0940	3518	2722	0010275	1326	15016															
		OBS	0800	0940	35184	2722			15016															
		STD	0900	0744	3507	2743	0008122	1418	14957															
		OBS	0900	0744	35067	2743			14957															
		STD	1000	0591	3501	2759	0006449	1491	14912															
		OBS	1000	0591	35007	2759			14912															
		STD	1100	0521	3502	2769	0005486	1551	14901															
		OBS	1100	0521	35023	2769			14901															
		STD	1200	0478	3500	2772	0005180	1604	14900															
		OBS	1200	0478	35001	2772			14900															
		STD	1300	0465	3502	2775	0005002	1655	14911															
		OBS	1300		35016																			
		STD	1400	0448	3503	2778	0004781	1704	14921															
		OBS	1400	0448	35029	2778			14921															
		STD	1500	0427	3501	2779	0004735	1752	14929															
		OBS	1500	0427	35010	2779			14929															

TABLE IV.—Continued

REFERENCE		SNIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIR. INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CTR CODE	ID. NO.					10"	1"	MO	DAY HR. 1/10			CRUISE NO.	STATION NUMBER			DIR.	HGT PER SEA	TYPE		AMT			
									WATER	WIND								BARO- METER (mb)			AIR TEMP. °C		NO.
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE	OBS. DEPTHS	OBSERVATIONS											
		OT	SO	13	S15	322		228	189	7	27												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME AND MALT-103		Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	Si O ₄ -Si μg - dl/l	pH	S C				
		STO	0000	2299	3626	2491		0030536		0000	15314												
	205	OBS	0000	2299	36257	2491					15314												
		STO	0010	2298	3626	2491		0030548		0031	15315												
		OBS	0010	2298	36257	2491					15315												
		STO	0020	2300	3626	2491		0030635		0061	15317												
	002	OBS	0020	2300	36258	2491					15317												
		OBS	0025	2300	36258	2491					15318												
		STO	0030	2300	3627	2491		0030603		0092	15319												
		OBS	0030	2300	36268	2491					15319												
		STO	0050	2287	3630	2498		0030085		0152	15320												
		OBS	0050	2287	36301	2498					15320												
		STO	0075	2120	3657	2565		0023768		0420	15284												
		OBS	0075	2120	36568	2565					15284												
		STO	0100	1960	3661	2611		0019470		0274	15246												
		OBS	0100	1960	36608	2611					15246												
		STO	0125	1906	3661	2625		0018214		0321	15235												
		OBS	0125	1906	36609	2625					15235												
		STO	0150	1859	3657	2635		0017408		0365	15225												
		OBS	0150	1859	36574	2635					15225												
		STO	0200	1811	3656	2646		0016499		0450	15220												
		OBS	0200	1811	36564	2646					15220												
		STO	0250	1797	3655	2648		0016440		0533	15224												
		STO	0300	1780	3653	2651		0016366		0615	15227												
		OBS	0300	1780	36528	2651					15227												
		STO	0400	1734	3645	2656		0016187		0777	15229												
		OBS	0400	1734	36449	2656					15229												
		STO	0500	1676	3634	2661		0015979		0938	15226												
		OBS	0500	1676	36336	2661					15226												
		STO	0600	1494	3599	2676		0014740		1092	15183												
		OBS	0600	1494	35985	2676					15183												
		STO	0700	1296	3562	2690		0013498		1233	15130												
		OBS	0700	1296	35622	2690					15130												
		STO	0800	1034	3532	2716		0010948		1355	15052												
		OBS	0800	1034	35318	2716					15052												
		STO	0900	0814	3508	2734		0009116		1455	14984												
		OBS	0900	0814	35082	2734					14984												
		STO	1000	0648	3502	2753		0007153		1537	14935												
		OBS	1000	0648	35023	2753					14935												
		OBS	1015	0603	34975	2755					14919												
		OBS	1025	0616	35035	2758					14927												
		OBS	1050	0562	34976	2760					14909												
		STO	1100	0523	3499	2766		0005777		1601	14901												
		OBS	1100	0523	34987	2766					14901												
		STO	1200	0481	3499	2771		0005315		1657	14901												
		OBS	1200	0481	34988	2771					14901												
		STO	1300	0460	3499	2773		0005140		1709	14909												
		OBS	1300	0460	34988	2773					14909												
		STO	1400	0442	3499	2775		0005000		1760	14918												
		OBS	1400	0442	34988	2775					14918												
		STO	1500	0432	3497	2775		0005132		1811	14930												
		OBS	1500	0432	34965	2775					14930												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE • 1/10	LONGITUDE • 1/10	DIST INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIRECTION					TYPE	AMT	
																DIR.	HGT	PER	SEA				
31	8007	EV	3744 N	06217 W		115	72	11	01	114	1966		045	5030	14	10	3	2		X1	0	3	0057
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mba)	DRY BULB	WET BULB											
						DT	SD	12	S15	335	206	161	7				24						
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH	S C				
		STD	0000	2322	3619	2479		0031626		0000	15319												
114		OBS	0000	2322	36194	2479					15319												
		STD	0010	2323	3619	2479		0031701		0032	15321												
		OBS	0010	2323	36193	2479					15321												
		STD	0020	2323	3619	2479		0031740		0063	15322												
002		OBS	0020	2323	36193	2479					15322												
		OBS	0025	2323	36193	2479					15323												
		STD	0030	2323	3619	2479		0031780		0095	15324												
		OBS	0030	2323	36193	2479					15324												
		STD	0050	2324	3620	2479		0031822		0159	15328												
		OBS	0050	2324	36202	2479					15328												
		OBS	0069	2325	36222	2481					15331												
		STD	0075	2230	3663	2539		0026277		0231	15313												
		OBS	0075	2230	36627	2539					15313												
		STD	0100	2100	3669	2580		0022444		0292	15284												
		OBS	0100	2100	36692	2580					15284												
		STD	0125	1990	3665	2606		0020042		0345	15258												
		OBS	0125	1990	36646	2606					15258												
		STD	0150	1904	3659	2625		0018370		0393	15238												
		OBS	0150	1904	36593	2625					15238												
		STD	0200	1839	3656	2639		0017202		0482	15228												
		OBS	0200	1839	36560	2639					15228												
		STD	0250	1814	3655	2644		0016846		0567	15228												
		STD	0300	1792	3654	2649		0016594		0651	15230												
		OBS	0300	1792	36536	2649					15230												
		STD	0400	1755	3646	2652		0016588		0817	15235												
		OBS	0400	1755	36462	2652					15235												
		STD	0500	1699	3636	2658		0016347		0982	15234												
		OBS	0500	1699	36359	2658					15234												
		STD	0600	1578	3609	2666		0015808		1142	15210												
		OBS	0600	1578	36094	2666					15210												
		STD	0700	1362	3576	2687		0013841		1291	15154												
		OBS	0700	1362	35761	2687					15154												
		STD	0800	1126	3543	2708		0011819		1419	15086												
		OBS	0800	1126	35431	2708					15086												
		STD	0900	0890	3518	2729		0009674		1526	15014												
		OBS	0900	0890	35177	2729					15014												
		STD	1000	0648	3501	2752		0007270		1611	14935												
		OBS	1000	0648	35007	2752					14935												
		STD	1100	0524	3498	2765		0005864		1677	14901												
		OBS	1100	0524	34977	2765					14901												
		STD	1200	0492	3499	2770		0005434		1733	14905												
		OBS	1200	0492	34992	2770					14905												
		STD	1300	0460	3500	2774		0005030		1786	14909												
		OBS	1300	0460	35003	2774					14909												
		STD	1400	0448	3500	2776		0004993		1836	14921												
		OBS	1400	0448	35000	2776					14921												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	ORIG INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDOC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIL	HGT	PER		SEA	TYPE		AMT	
31	8007	EV	3744 N	06217 W		115	72	11	02	005	1966		045	5030	30	10	3	2		X1	8	2		0058
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB											
									12	S15	335		206			161	7	07						
MESSAGE TIME NR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-2107		$\Sigma \Delta D$ DYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₂ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S C				
		STO	0000	2328	3619	2477		0031829		0000		15320												
005		OBS	0000	2328	36189	2477						15320												
005		OBS	0009	2213	36205	2512						15293												
005		OBS	T1375	0448	34965	2773						14916												
		STD	1400	0445	3496	2773		0005246				14919												
		STD	1500	0434	3496	2774		0005195				14931												
		STD	1750	0408	3495	2776		0005146				14962												
005		OBS	T1939	0390	34949	2778						14987												
		STO	2000	0387	3495	2778		0005071				14996												
005		OBS	T2429	0349	34955	2782						15053												
		STO	2500	0340	3495	2783		0004756				15062												
005		OBS	T2900	0277	34947	2789						15104												
		STD	3000		3494																			
005		OBS	3000	0317Q	34938	2784Q																		

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. NO.	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODE		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	8007	EV	3810 N	06240 W	115	82	11	02	039	1966		046	5121	15	15	2	2		X1	03		0059
		WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB																	
DT	SD	13	520	322	222	172	7	25														
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MAX-T-20°	Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CC					
039		STD	0000	2316	3620	2481	0031453	0000	15317													
		OBS	0000	2316	36195	2481			15317													
		STD	0010	2315	3620	2482	0031465	0031	15319													
		OBS	0010	2315	36195	2482			15319													
		STD	0020	2316	3620	2481	0031532	0063	15321													
		OBS	0020	2316	36195	2481			15321													
		OBS	0025	2316	36195	2481			15321													
		STD	0030	2316	3620	2481	0031571	0095	15322													
		OBS	0030	2316	36195	2481			15322													
		STD	0050	2316	3620	2481	0031650	0158	15326													
		OBS	0050	2316	36195	2481			15326													
		STD	0075	2316	3620	2481	0031741	0237	15330													
		OBS	0075	2316	36196	2481			15330													
		OBS	0090	2316	36196	2481			15332													
		STD	0100	2227	3655	2534	0026655	0310	15316													
		OBS	0100	2227	36549	2534			15316													
		STD	0125	2030	3663	2594	0021161	0370	15269													
		OBS	0125	2030	36632	2594			15269													
		STD	0150	1951	3663	2615	0019254	0421	15252													
		OBS	0150	1951	36632	2615			15252													
	STD	0200	1844	3658	2639	0017207	0512	15229														
	OBS	0200	1844	36576	2639			15229														
	STD	0250	1819	3655	2643	0016967	0597	15230														
	STD	0300	1799	3653	2646	0016819	0682	15232														
	OBS	0300	1799	36528	2646			15232														
	STD	0400	1777	3653	2651	0016656	0849	15242														
	OBS	0400	1777	36525	2651			15242														
	STD	0500	1725	3643	2657	0016451	1015	15242														
	OBS	0500	1725	36429	2657			15242														
	STD	0600	1610	3621	2667	0015671	1175	15221														
	OBS	0600	1610	36213	2667			15221														
	STD	0700	1424	3587	2682	0014370	1326	15175														
	OBS	0700	1424	35868	2682			15175														
	STD	0800	1201	3554	2702	0012486	1460	15113														
	OBS	0800	1201	35537	2702			15113														
	STD	0900	0948	3523	2724	0010308	1574	15036														
	OBS	0900	0948	35226	2724			15036														
	STD	1000	0690	3500	2745	0007983	1665	14951														
	OBS	1000	0690	34995	2745			14951														
	STD	1100	0541	3497	2762	0006171	1736	14908														
	OBS	1100	0541	34967	2762			14908														
	STD	1200	0517	3502	2769	0005556	1795	14916														
	OBS	1200	0517	35022	2769			14916														
	STD	1300	0473	3502	2774	0005103	1848	14915														
	OBS	1300	0473	35017	2774			14915														
	STD	1400	0455	3502	2776	0004964	1898	14924														
	OBS	1400	0455	35017	2776			14924														
	STD	1500	0438	3502	2778	0004833	1947	14934														
	OBS	1500	0438	35017	2778			14934														

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
					MO		DAY			CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
					10"	1"	MO	DAY														HR. 1/10		
318007	EV	3835 N	06258 W	115 82	11	02	072	1966		047		4800	15	12	2	2		X1	0	3		0060		
				WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS											
				COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB						WET BULB									
				OT	SD	10	520		322	222					178	7	26							
MESSAGE TIME OF HR. 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₂ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	Σ CC							
		STO	0000	2320	3623	2482	0031347	0000	15319															
072		OBS	0000	2320	36225	2482			15319															
		STO	0010	2319	3622	2482	0031402	0031	15320															
		OBS	0010	2319	36219	2482			15320															
		STO	0020	2309	3622	2485	0031151	0063	15319															
002		OBS	0020	2309	36221	2485			15319															
		OBS	0025	2309	36221	2485			15320															
		STO	0030	2309	3622	2485	0031190	0094	15321															
		OBS	0030	2309	36221	2485			15321															
		STO	0050	2309	3622	2485	0031254	0156	15324															
		OBS	0050	2309	36223	2485			15324															
		STO	0075	2309	3622	2485	0031345	0235	15328															
		OBS	0075	2309	36224	2485			15328															
		OBS	0085	2309	36225	2486			15330															
		STO	0100	2185	3659	2548	0025450	0306	15305															
		OBS	0100	2185	36587	2548			15305															
		STO	0125	2040	3667	2594	0021164	0364	15272															
		OBS	0125	2040	36667	2594			15272															
		STO	0150	1960	3665	2614	0019378	0414	15254															
		OBS	0150	1960	36646	2614			15254															
		STO	0200	1839	3657	2639	0017122	0506	15228															
		OBS	0200	1839	36571	2639			15228															
		STO	0250	1817	3657	2645	0016774	0590	15230															
		STO	0300	1795	3655	2649	0016557	0674	15231															
		OBS	0300	1795	36551	2649			15231															
		STO	0400	1755	3649	2654	0016422	0839	15235															
		OBS	0400	1755	36485	2654			15235															
		STO	0500	1673	3632	2661	0016003	1001	15225															
		OBS	0500	1673	36323	2661			15225															
		STO	0600	1481	3596	2677	0014639	1154	15178															
		OBS	0600	1481	35960	2677			15178															
		STO	0700	1248	3555	2694	0013077	1293	15113															
		OBS	0700	1248	35548	2694			15113															
		STO	0800	1007	3529	2718	0010677	1411	15042															
		OBS	0800	1007	35289	2718			15042															
		STO	0900	0748	3505	2741	0008338	1506	14958															
		OBS	0900	0748	35046	2741			14958															
		OBS	0941	0656	35039	2753			14929															
		STO	1000	0594	3501	2759	0006491	1581	14913															
		OBS	1000	0594	35007	2759			14913															
		STO	1100	0524	3501	2767	0005637	1641	14902															
		OBS	1100	0524	35008	2767			14902															
		STO	1200	0472	3499	2772	0005151	1695	14897															
		OBS	1200	0472	34994	2772			14897															
		STO	1300	0456	3501	2775	0004962	1746	14907															
		OBS	1300	0456	35005	2775			14907															
		STO	1400	0435	3499	2776	0004907	1795	14915															
		OBS	1400	0435	34988	2776			14915															
		STO	1500	0418	3499	2778	0004790	1844	14925															
		OBS	1500	0418	34986	2778			14925															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS DEN SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER				
CTRY CODE	IO. NO.					10°	1°	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT		
31	8007	EV	3901 N	06319 W		115	93	11	02	103	1966		048		493d	15	15	4	3		X2	0	3		0061
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
		COLOR CODE	TRANS. (m)	OIR.	SPEED OR FORCE	(mba)		DRY BULB		WET BULB															
		DT	SD	14	S25	312		228		183		7						3d							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH						
		STO	0000	2543	3621	2414		0037839		0000		15372													
103		OBS	0000	2543	36208	2414						15372													
		STO	0010	2545	3621	2414		0037939		0038		15374													
		OBS	0010	2545	36208	2414						15374													
		STO	0020	2545	3621	2414		0037980		0076		15376													
002		OBS	0020	2545	36208	2414						15376													
		OBS	0025	2545	36208	2414						15376													
		STO	0030	2545	3621	2414		0038021		0114		15377													
		OBS	0030	2545	36208	2414						15377													
		STO	0050	2545	3621	2414		0038103		0190		15381													
		OBS	0050	2545	36208	2414						15381													
		OBS	0070	2545	36211	2414						15384													
		STO	0075	2499	3632	2436		0036038		0283		15375													
		OBS	0075	2499	36322	2436						15375													
		STO	0100	2295	3636	2500		0030084		0365		15330													
		OBS	0100	2295	36359	2500						15330													
		STO	0125	2170	3673	2563		0024150		0433		15307													
		OBS	0125	2170	36725	2563						15307													
		STO	0150	2028	3666	2597		0021029		0490		15273													
		OBS	0150	2028	36656	2597						15273													
		STO	0200	1825	3648	2636		0017472		0586		15223													
		OBS	0200	1825	36476	2636						15223													
		OBS	0216	1823	36427	2632						15224													
		STO	0250	1720	3631	2649		0016364		0670		15198													
		STO	0300	1581	3612	2667		0014776		0748		15162													
		OBS	0300	1581	36117	2667						15162													
		OBS	0365	1424	35827	2679						15120													
		OBS	0381	1241	35441	2687						15057													
		STO	0400	1222	3549	2694		0012257		0883		15054													
		OBS	0400	1222	35486	2694						15054													
		OBS	0410	1222	35490	2695						15056													
		OBS	0426	1147	35407	2702						15031													
		OBS	0440	1160	35427	2702						15038													
		OBS	0450	1130	35367	2702						15029													
		OBS	0475	0880	34999	2717						14937													
		STO	0500	0899	3502	2715		0010219		0996		14949													
		OBS	0500	0899	35017	2715						14949													
		OBS	0508	0981	35250	2720						14983													
		OBS	0528	0980	35252	2720						14986													
		OBS	0580	0825	35087	2732						14935													
		STO	0600	0791	3502	2732		0008710		1090		14925													
		OBS	0600	0820P	35016	2728P																			
		STO	0700	0629	3498	2752		0006788		1168		14877													
		OBS	0700	0629	34977	2752						14877													
		OBS	0756	0543	34897	2756						14851													
		OBS	0785	0543	35017	2766						14857													
		STO	0800	0520	3501	2768		0005210		1228		14850													
		OBS	0800	0520	3493P	2762P																			
		STO	0900	0500	3499	2769		0005222		1280		14859													
		OBS	0900	0500	34989	2769						14859													
		STO	1000	0480	3501	2773		0004943		1331		14867													
		OBS	1000	0480	35007	2773						14867													
		STO	1100	0456	3501	2775		0004739		1379		14874													
		OBS	1100	0456	35007	2775						14874													
		STO	1200	0438	3500	2777		0004630		1426		14883													
		OBS	1200	0438	35004	2777						14883													
		STO	1300	0422	3500	2778		0004564		1472		14893													
		OBS	1300	0422	34998	2778						14893													
		STO	1400	0420	3500	2779		0004597		1518		14909													
		OBS	1400	0420	35003	2779						14909													
		STO	1500	0419	3501	2779		0004650		1564		14926													
		OBS	1500	0419	35007	2779						14926													

TABLE IV.—Continued

REFERENCE		SNIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTN TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER					
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT						
31	8007	EV	3925 N	06347 W		115	93	11	02	126	1966		049		4938	14	12	7	2		X2	0	3	0062				
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL													
						COLOR CODE	TRANS. INI	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																
						OT	SO	14	S25	328	239	178	7	38														
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ σ DTN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	STC										
126		STD	0000	2411	3592	2432	0036127	0000	15337																			
		OBS	0000	2411	35916	2432			15337																			
		STD	0010	2411	3592	2432	0036167	0036	15339																			
		OBS	0010	2411	35916	2432			15339																			
		STD	0020	2408	3591	2433	0036143	0072	15340																			
		OBS	0020	2408	35913	2433			15340																			
		OBS	0025	2405	35911	2434			15340																			
		STD	0030	2398	3587	2433	0036209	0108	15339																			
		OBS	0030	2398	35870	2433			15339																			
		STD	0050	2398	3587	2433	0036289	0181	15342																			
		OBS	0050	2398	35870	2433			15342																			
		OBS	0070	2400	36457	2476			15352																			
		STD	0075	2340	3650	2497	0030241	0264	15339																			
		OBS	0075	2340	36497	2497			15339																			
		STD	0100	2154	3654	2554	0024934	0333	15297																			
		OBS	0100	2154	36544	2554			15297																			
		STD	0125	1979	3651	2598	0020769	0390	15254																			
		OBS	0125	1979	36507	2598			15254																			
		STD	0150	1859	3645	2625	0018313	0439	15224																			
		OBS	0150	1859	36449	2625			15224																			
		STD	0200	1760	3639	2645	0016572	0526	15203																			
		OBS	0200	1760	36387	2645			15203																			
		OBS	0238	1619	36100	2657			15163																			
		OBS	0249	1464	35694	2660			15112																			
		STD	0250	1476	3572	2660	0015239	0606	15116																			
		OBS	0256	1530	35826	2656			15135																			
		OBS	0288	1260	35431	2682			15048																			
		STD	0300	1269	3553	2688	0012600	0675	15054																			
		OBS	0300	1269	35527	2688			15054																			
		OBS	0310	1297	35626	2690			15066																			
		OBS	0330	0974P	3510P	2709P																						
		OBS	0346	1106	35352	2706			15003																			
	OBS	0355	1106	35346	2705			15004																				
	STD	0400	1002	3526	2717	0009923	0788	14974																				
	OBS	0400	1002	35262	2717			14974																				
	OBS	0410	1000	35257	2717			14974																				
	OBS	0430	0904	35134	2724			14941																				
	OBS	0450	0860	35126	2730			14927																				
	OBS	0481	0857	35138	2731			14932																				
	STD	0500	0813	3511	2736	0008192	0879	14918																				
	OBS	0500	0813	35108	2736			14918																				
	OBS	0540	0719	35006	2742			14887																				
	STD	0600	0658	3505	2754	0006508	0952	14873																				
	OBS	0600	0658	35050	2754			14873																				
	STD	0700	0533	3500	2765	0005367	1011	14839																				
	OBS	0700	0533	34995	2765			14839																				
	STD	0800	0493	3501	2771	0004862	1063	14839																				
	OBS	0800	0493	3508P	2777P																							
	STD	0900	0470	3502	2774	0004645	1110	14847																				
	OBS	0900	0470	35015	2774			14847																				
	STD	1000	0447	3501	2776	0004519	1156	14854																				
	OBS	1000	0447	35007	2776			14854																				
	STD	1100	0434	3501	2778	0004434	1201	14865																				
	OBS	1100	0434	35010	2778			14865																				
	STD	1200	0419	3500	2779	0004422	1245	14875																				
	OBS	1200	0419	34999	2779			14875																				
	STD	1300	0409	3500	2780	0004403	1289	14888																				
	OBS	1300	0409	34997	2780			14888																				
	STD	1400	0400	3500	2780	0004393	1333	14901																				
	OBS	1400	0400	34995	2780			14901																				
	OBS	1450	0397	34993	2781			14908																				

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE MO DAY	MARDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10'	1"	MD	DAY		HR.	1/10			CRUISE NO.	STATION NUMBER	DIR.	HGT		PER	SEA	
318007	EV		4005 N	06356 W	151	03	11	02	161	1966		050	4755	15	13	3	2		X2	0	3	0063
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		ND. OBS. DEPTHS		SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mba)		DRY BULB	WET BULB	VIS. CODE												
		DT	SD	14	S22	322		184	142	7		38										
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ D DYN. M. $\times 10^3$		SOUND VELOCITY		D ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SID ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C	
		STO	0000	1440	3315	2469		0032586		0000		15032										
161		OBS	0000	1440	33147	2469						15032										
		STD	0010	1581	3363	2476		0032027		0032		15084										
		OBS	0010	1581	33627	2476						15084										
		STD	0020	1653	3407	2493		0030412		0064		15113										
002		OBS	0020	1653	34067	2493						15113										
		OBS	0025	1675	34130	2493						15122										
		STD	0030	1696	3424	2496		0030170		0094		15130										
		OBS	0030	1696	34236	2496						15130										
		OBS	0040	1763	34587	2507						15156										
		OBS	0049	1174	33806	2573						14959										
		STD	0050	1282	3423	2585		0021717		0146		15001										
		OBS	0050	1282	34227	2585						15001										
		OBS	0052	1000	33627	2590						14895										
		OBS	0056	1273	34516	2609						15003										
		OBS	0063	1214	34314	2605						14981										
		OBS	0065	1249	34546	2616						14996										
		STD	0075	1003	3424	2637		0016775		0194		14907										
		OBS	0075	1003	34239	2637						14907										
		OBS	0085	1270	35107	2655						15014										
		STD	0100	1350	3547	2667		0014077		0232		15048										
		OBS	0100	1350	35467	2667						15048										
		OBS	0105	1324	35427	2669						15039										
		OBS	0110	1357	35587	2675						15053										
		STD	0125	1276	3545	2681		0012853		0266		15027										
		OBS	0125	1276	35447	2681						15027										
		STD	0150	1210	3543	2692		0011784		0297		15008										
		OBS	0150	1210	35432	2692						15008										
		OBS	0171	1121	35287	2698						14979										
		STD	0200	1071	3529	2707		0010467		0352		14966										
		OBS	0200	1071	35288	2707						14966										
		STD	0250	0979	3523	2719		0009446		0402		14940										
		OBS	0271	0918	35168	2724						14920										
		STD	0300	0812	3505	2731		0008276		0447		14884										
		OBS	0300	0812	35045	2731						14884										
		STD	0400	0613	3496	2752		0006291		0519		14821										
		OBS	0400	0613	34957	2752						14821										
		OBS	0428	0562	34926	2756						14805										
		OBS	0440	0570	34962	2758						14811										
		STD	0500	0539	3499	2764		0005252		0577		14808										
		OBS	0500	0539	34987	2764						14808										
		STD	0600	0492	3501	2771		0004648		0627		14806										
		OBS	0600	0492	35006	2771						14806										
		OBS	0695	0471	35007	2774						14813										
		STD	0700	0444	3496	2773		0004532		0673		14802										
		OBS	0700	0444	34958	2773						14802										
		STD	0800	0440	3500	2777		0004254		0716		14817										
		OBS	0800	0440	35003	2777						14817										
		STD	0900	0427	3500	2778		0004242		0759		14829										
		OBS	0900	0427	34997	2778						14829										
		STD	1000	0415	3500	2779		0004200		0801		14840										
		OBS	1000	0415	34996	2779						14840										
		STD	1100	0405	3499	2780		0004202		0843		14853										
		OBS	1100	0405	34992	2780						14853										
		STD	1200	0393	3498	2780		0004225		0885		14864										
		OBS	1200	0393	34981	2780						14864										
		STD	1300	0384	3497	2780		0004267		0928		14877										
		OBS	1300	0384	34972	2780						14877										
		STD	1400	0379	3498	2781		0004232		0970		14892										
		OBS	1400	0379	34980	2781						14892										
		STD	1500	0377	3499	2783		0004205		1012		14908										
		OBS	1500	0377	34992	2783						14908										

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIA	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	4023 N	06418 W		151	04	11	02	192	1966		051	4573	15	14	3	3		X2	0	3	0064
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIE CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED DI FORCE			DRY BULB	WET BULB										
						DT	SD	15	S20	295	206	161	7	34									
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T		SPECIFIC VOLUME ANDWALT-X10 ³		Σ Δ C DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₄ -Si μg - ml/l	pH	S C			
		STD	0000	1570	3367	2481		0031485		0000		15080											
192		OBS	0000	1570	33665	2481						15080											
		STD	0010	1570	3367	2481		0031514		0031		15081											
		OBS	0010	1570	33665	2481						15081											
002		OBS	0014	1570	33665	2481						15082											
		STD	0020	1625	3393	2489		0030796		0063		15103											
		OBS	0020	1625	33930	2489						15103											
		OBS	0025	1650	34080	2495						15113											
		STD	0030	1660	3411	2494		0030320		0093		15118											
		OBS	0030	1660	34105	2494						15118											
		OBS	0040	1660	34105	2494						15119											
		OBS	0045	1420	33955	2536						15043											
		OBS	0048	1420	34455	2574						15049											
		STD	0050	1480	3496	2600		0020312		0144		15075											
		OBS	0050	1480	34955	2600						15075											
		OBS	0052	1490	34940	2597						15078											
		OBS	0054	1445	34845	2599						15063											
		OBS	0058	1475	35150	2616						15077											
		OBS	0064	1385	34955	2620						15047											
		OBS	0066	1290	34870	2633						15015											
		STD	0075	1270	3504	2650		0015626		0189		15011											
		OBS	0075	1270	35035	2650						15011											
		STD	0100	1245	3535	2679		0012909		0224		15011											
		OBS	0100	1245	35350	2679						15011											
		STD	0125	1172	3537	2695		0011484		0255		14990											
		OBS	0125	1172	35369	2695						14990											
		STD	0150	1108	3531	2702		0010855		0283		14971											
		OBS	0150	1108	35307	2702						14971											
		STD	0200	0979	3518	2714		0009743		0334		14931											
		OBS	0200	0979	35175	2714						14931											
		STD	0250	0883	3510	2724		0008861		0381		14903											
		STD	0300	0780	3504	2736		0007824		0423		14871											
		OBS	0300	0780	35042	2736						14871											
		OBS	0350	0670	34992	2747						14836											
		STD	0400	0611	3498	2754		0006117		0492		14821											
		OBS	0400	0611	34977	2754						14821											
		STD	0500	0525	3499	2766		0005084		0548		14803											
		OBS	0500	0525	34986	2766						14803											
		STD	0600	0480	3499	2771		0004590		0597		14801											
		OBS	0600	0480	34994	2771						14801											
		STD	0700	0459	3500	2774		0004409		0642		14809											
		OBS	0700	0459	34999	2774						14809											
		STD	0800	0439	3500	2777		0004264		0685		14817											
		OBS	0800	0439	35000	2777						14817											
		STD	0900	0430	3501	2778		0004205		0727		14830											
		OBS	0900	0430	35007	2778						14830											
		STD	1000	0415	3500	2779		0004193		0769		14840											
		OBS	1000	0415	34997	2779						14840											
		STD	1100	0404	3500	2780		0004167		0811		14852											
		OBS	1100	0404	34995	2780						14852											
		STD	1200	0396	3499	2781		0004174		0853		14866											
		OBS	1200	0396	34993	2781						14866											
		STD	1300	0390	3500	2782		0004160		0895		14880											
		OBS	1300	0390	34997	2782						14880											
		STD	1400	0384	3499	2782		0004194		0936		14894											
		OBS	1400	0384	34994	2782						14894											
		STD	1500	0380	3500	2783		0004214		0978		14909											
		OBS	1500	0380	34996	2783						14909											

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRAFT INCH	MARS DEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.	HGT			PER	SEA	TYPE	AMT				
31	8007	EV	4023 N	06418 W	151	04	11	02	205	1966		051		4573	34	14	3	3		X2	7	8		0065
WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE		SPECIAL OBSERVATIONS														
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS																	
			15	S20	295	206	161	7	07															
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ OBS. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ol/l}$	TOTAL-P $\mu\text{g} - \text{ol/l}$	NO ₃ -N $\mu\text{g} - \text{ol/l}$	NO ₃ -N $\mu\text{g} - \text{ol/l}$	SiO ₄ -Si $\mu\text{g} - \text{ol/l}$	pH	S C							
205		OBS	0011	1567	33670	24820																		
		STD	0020	1625																				
205		OBS	0028	1676	34130	2492				15122														
205		OBS	T1501	0377	34956	2780				14907														
		STD	1750	0362	3495	2781	0004522			14943														
		STD	2000	0345	3495	2782	0004487			14978														
205		OBS	T2131	0336	34947	2783				14997														
		STD	2500	0306	3494	2785	0004364			15047														
205		OBS	T2671	0292	34930	2786				15070														
		STD	3000	0264	3491	2787	0004262			15115														
205		OBS	3290	0245	34899	2788				15157														
205		OBS	3400	0239	34899	2788				15174														

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	PORT INCH	MARS DEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
					10"	1"	MO	DAY	HR./10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA		TYPE	AMT	
318007	EV	4041 N	06435 W		151	04	11	02	232	1966		052	4389	15	12	6	4		X2	0	3	0066
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	METER (mbs)		DRY BULB	WET BULB	CODE												
		DT	SD	15	520	281		206	167	7	28											
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C					
232		STD	0000	1870	3476	2493	0030342	0000	15182													
		OBS	0000	1870	34755	2493			15182													
002		STD	0010	1870	3475	2492	0030449	0030	15184													
		OBS	0010	1870	34745	2492			15184													
		STD	0020	1870	3475	2492	0030482	0061	15185													
		OBS	0020	1870	34745	2492			15185													
		OBS	0025	1870	34745	2492			15186													
		STD	0030	1870	3475	2492	0030516	0091	15187													
		OBS	0030	1870	34745	2492			15187													
		OBS	0040	1870	34745	2492			15189													
		STD	0050	1420	3491	2609	0019448	0141	15055													
		OBS	0050	1420	34905	2609			15055													
		OBS	0070	1280	35315	2670			15017													
		STD	0075	1285	3533	2670	0013748	0183	15020													
		OBS	0075	1285	35330	2670			15020													
		OBS	0085	1275	35335	2672			15018													
		STD	0100	1220	3529	2679	0012919	0216	15002													
		OBS	0100	1220	35285	2679			15002													
		STD	0125	1135	3537	2702	0010825	0246	14977													
		OBS	0125	1135	35368	2702			14977													
		STD	0150	1078	3530	2707	0010368	0272	14960													
		OBS	0150	1078	35302	2707			14960													
		STD	0200	0940	3517	2720	0009168	0321	14917													
		OBS	0200	0940	35167	2720			14917													
		STD	0250	0784	3506	2737	0007660	0363	14865													
		STD	0300	0670	3501	2749	0006539	0399	14828													
		OBS	0300	0670	35006	2749			14828													
		STD	0400	0570	3502	2763	0005253	0458	14805													
		OBS	0400	0570	35022	2763			14805													
		OBS	0450	0496	34948	2766			14782													
		STD	0500	0482	3500	2772	0004478	0506	14785													
		OBS	0500	0482	34997	2772			14785													
		STD	0600	0470	3500	2773	0004425	0551	14797													
		OBS	0600	0470	35000	2773			14797													
		STD	0700	0447	3501	2776	0004205	0594	14804													
		OBS	0700	0447	35007	2776			14804													
		STD	0800	0426	3500	2778	0004115	0636	14812													
		OBS	0800	0426	34999	2778			14812													
		STD	0900	0417	3500	2779	0004120	0677	14824													
		OBS	0900	0417	34997	2779			14824													
		STD	1000	0398	3498	2779	0004118	0718	14833													
		OBS	1000	0398	34979	2779			14833													
		STD	1100	0397	3499	2780	0004102	0759	14849													
		OBS	1100	0397	34992	2780			14849													
		STD	1200	0380	3498	2781	0004071	0800	14859													
		OBS	1200	0380	34980	2781			14859													
		STD	1300	0380	3498	2781	0004151	0841	14876													
		OBS	1300	0380	34981	2781			14876													
		STD	1400	0372	3498	2782	0004128	0882	14889													
		OBS	1400	0372	34982	2782			14889													
		STD	1500	0370	3499	2783	0004151	0924	14905													
		OBS	1500	0370	34987	2783			14905													

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			CLOUD CODES	NOOC STATION NUMBER	
					MO	DAY	HR./10	YEAR	CRUISE NO.	STATION NUMBER							
318007	EV	4101 N	06453 W	151	14	11	03	030	1966	053	3612	15	15	5	3	0067	
WATER	COLOR CODE	TRANS. mm	DIR.	SPEED OF FORCE	BARO- METER (mb)	AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						DRY BULB	WET BULB										
DT	SD	12	S22	274	167	150	7	37									
MEASURED TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ O OYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - ml/l$	TOTAL-P $\mu g - ml/l$	NO ₂ -N $\mu g - ml/l$	NO ₃ -N $\mu g - ml/l$	SiO ₄ -Si $\mu g - ml/l$	pH	S C
		STD	0000	1214	3204	2429	0036476	0000	14942								
030		OBS	0000	1214	32035	2429			14942								
		STD	0010	1215	3204	2428	0036516	0036	14944								
		OBS	0010	1215	32035	2428			14944								
		STD	0020	1217	3204	2428	0036573	0073	14947								
002		OBS	0020	1217	32035	2428			14947								
		OBS	0025	1110	32090	2452			14911								
		STD	0030	0918	3237	2506	0029195	0106	14845								
		OBS	0030	0918	32370	2506			14845								
		OBS	0048	0426	33255	2640			14664								
		STD	0050	0463	3345	2651	0015355	0150	14682								
		OBS	0050	0463	33450	2651			14682								
		OBS	0065	0420	33650	2672			14669								
		STD	0075	0480	3392	2686	0012070	0185	14700								
		OBS	0075	0480	33915	2686			14700								
		OBS	0079	0494	33945	2687			14707								
		OBS	0084	0454	33805	2680			14689								
		STD	0100	0460	3403	2697	0011019	0214	14697								
		OBS	0100	0460	34030	2697			14697								
		STD	0125	0598	3445	2714	0009528	0239	14763								
		OBS	0125	0598	34445	2714			14763								
		OBS	0135	0668	34675	2723			14796								
		STD	0150	0650	3463	2721	0008863	0262	14790								
		OBS	0150	0650	34627	2721			14790								
		OBS	0169	0500	34487	2729			14731								
		OBS	0189	0481	34539	2735			14727								
		STD	0200	0507	3463	2739	0007180	0302	14741								
		OBS	0200	0507	34627	2739			14741								
		OBS	0205	0541	34746	2745			14757								
		OBS	0210	0519	34648	2740			14748								
		OBS	0230	0567	34827	2748			14773								
		STD	0250	0586	3484	2746	0006614	0337	14784								
		OBS	0252	0588	34840	2746			14785								
		OBS	0260	0555	34824	2749			14773								
		OBS	0270	0555	34877	2753			14775								
		STD	0300	0551	3488	2754	0005947	0368	14779								
		OBS	0300	0551	34879	2754			14779								
		STD	0400	0518	3494	2763	0005202	0424	14783								
		OBS	0400	0518	34942	2763			14783								
		STD	0500	0459	3495	2770	0004592	0473	14775								
		OBS	0500	0459	34945	2770			14775								
		STD	0600	0434	3495	2773	0004391	0518	14781								
		OBS	0600	0434	34947	2773			14781								
		STD	0700	0431	3497	2775	0004310	0561	14797								
		OBS	0700	0431	34967	2775			14797								
		STD	0800	0414	3498	2777	0004142	0604	14806								
		OBS	0800	0414	34976	2777			14806								
		STD	0900	0400	3497	2778	0004122	0645	14817								
		OBS	0900	0400	34969	2778			14817								
		STD	1000	0399	3498	2779	0004152	0686	14833								
		OBS	1000	0399	34976	2779			14833								
		STD	1100	0384	3497	2780	0004127	0728	14844								
		OBS	1100	0384	34967	2780			14844								
		STD	1200	0380	3497	2780	0004159	0769	14859								
		OBS	1200	0380	34968	2780			14859								
		STD	1300	0375	3497	2781	0004169	0811	14873								
		OBS	1300	0375	34970	2781			14873								
		STD	1400	0370	3498	2782	0004140	0852	14888								
		OBS	1400	0370	34977	2782			14888								
		STD	1500	0367	3498	2782	0004185	0894	14904								
		OBS	1500	0367	34977	2782			14904								

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT				
318007	EV					4126 N	06521 W	151	15	11		03	066			1966	054	2633	15		10	7		2	X2	0
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. MM	DIR.	SPEED OR FORCE			DRY BULB	WET BULB																	
		DT	SD	13	S20			161	144																	
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta O$ OTN, M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - \mu l/l$	TOTAL-P $\mu g - \mu l/l$	NO ₂ -N $\mu g - \mu l/l$	NO ₃ -N $\mu g - \mu l/l$	Si O ₄ -Si $\mu g - \mu l/l$	pH	S C									
		STD	0000	1220	3181	2410	0038242	0000	14942																	
066		OBS	0000	1220	31810	2410			14942																	
		STD	0010	1121	3181	2428	0036544	0037	14908																	
		OBS	0010	1121	31810	2428			14908																	
		STD	0020	0880	3186	2472	0032405	0072	14822																	
002		OBS	0020	0880	31860	2472			14822																	
		OBS	0025	0740	31950	2499			14770																	
		STD	0030	0721	3206	2510	0028749	0102	14765																	
		OBS	0030	0721	32060	2510			14765																	
		STD	0050	0509	3249	2570	0023048	0154	14689																	
		OBS	0050	0509	32490	2570			14689																	
		STD	0075	0228	3300	2637	0016681	0204	14580																	
		OBS	0075	0228	32995	2637			14580																	
		OBS	0080	0215	33015	2639			14575																	
		STD	0100	0377	3383	2690	0011680	0439	14660																	
		OBS	0100	0377	33830	2690			14660																	
		STD	0125	0439	3403	2699	0010859	0268	14692																	
		OBS	0125	0439	34025	2699			14692																	
		OBS	0132	0452	34065	2701			14699																	
		OBS	0138	0508	34255	2710			14726																	
		STD	0150	0508	3428	2711	0009765	0293	14728																	
		OBS	0150	0508	34275	2711			14728																	
		STD	0200	0500	3446	2727	0008385	0339	14736																	
		OBS	0200	0500	34455	2727			14736																	
		OBS	0214	0503	34510	2731			14740																	
		OBS	0220	0619	34965	2752			14794																	
		STD	0250	0560	3484	2750	0006261	0375	14774																	
		OBS	0250	0560	34843	2750			14774																	
		OBS	0269	0580	34837	2747			14785																	
		STD	0300	0538	3479	2748	0006467	0407	14772																	
		OBS	0300	0538	34788	2748			14772																	
		OBS	0310	0520	34886	2758			14768																	
		OBS	0318	0556	34907	2756			14784																	
		OBS	0349	0549	34928	2758			14787																	
		STD	0400	0497	3494	2765	0004972	0464	14774																	
		OBS	0400	0497	34939	2765			14774																	
		STD	0500	0438	3490	2769	0004669	0513	14766																	
		OBS	0500	0438	34902	2769			14766																	
		STD	0600	0440	3494	2771	0004543	0559	14783																	
		OBS	0600	0440	34936	2771			14783																	
		STD	0700	0428	3495	2774	0004401	0603	14795																	
		OBS	0700	0428	34950	2774			14795																	
		STD	0800	0421	3495	2775	0004410	0647	14809																	
		OBS	0800	0421	34951	2775			14809																	
		STD	0900	0414	3496	2776	0004387	0691	14823																	
		OBS	0900	0414	34956	2776			14823																	
		STD	1000	0410	3497	2777	0004353	0735	14838																	
		OBS	1000	0410	34967	2777			14838																	
		STD	1100	0399	3497	2778	0004311	0778	14850																	
		OBS	1100	0399	34967	2778			14850																	
		STD	1200	0386	3497	2780	0004241	0821	14861																	
		OBS	1200	0386	34967	2780			14861																	
		STD	1300	0380	3497	2780	0004261	0864	14875																	
		OBS	1300	0380	34966	2780			14875																	
		STD	1400	0376	3497	2781	0004297	0906	14891																	
		OBS	1400	0376	34966	2781			14891																	
		STD	1500	0370	3497	2781	0004297	0949	14905																	
		OBS	1500	0370	34967	2781			14905																	

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INCH	MARSDEN SQUARE		STATION TIME GMT		YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																															
					10'	1'	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT																														
318007	EV	4152 N	06543 W		151	15	11	03	098	1966		055	0667	07	12	7	4		X2	0	3		0069																													
<table><tr><td colspan="2">WATER</td><td colspan="2">WIND</td><td colspan="2">AIR TEMP. °C</td><td colspan="2">NO. OBS. DEPTHS</td><td colspan="2">SPECIAL OBSERVATIONS</td></tr><tr><td>COLOR CODE</td><td>TRANS. (m)</td><td>DIR.</td><td>SPEED OR FORCE</td><td>BARO-METER (mb)</td><td>DRY BULB</td><td>WET BULB</td><td>VIS. CODE</td><td colspan="2"></td></tr><tr><td>DT</td><td>SD</td><td>13</td><td>S35</td><td>217</td><td>172</td><td>161</td><td>7</td><td colspan="2">20</td></tr></table>																							WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE			DT	SD	13	S35	217	172	161	7	20	
WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS																																												
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE																																													
DT	SD	13	S35	217	172	161	7	20																																												
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	STATION CODE																																			
		STD	0000	0920	3249	2514	0028320	0000	14842																																											
098		OBS	0000	0920	32485	2514			14842																																											
		STD	0010	0919	3249	2514	0028322	0028	14843																																											
		OBS	0010	0919	32485	2514			14843																																											
		STD	0020	0917	3249	2515	0028309	0057	14844																																											
001		OBS	0020	0917	32485	2515			14844																																											
		OBS	0025	0880	32535	2524			14832																																											
		STD	0030	0840	3255	2532	0026716	0084	14818																																											
		OBS	0030	0840	32550	2532			14818																																											
		STD	0050	0632	3309	2603	0019965	0131	14747																																											
		OBS	0050	0632	33090	2603			14747																																											
		STD	0075	0575	3341	2635	0016958	0177	14732																																											
		OBS	0075	0575	33405	2635			14732																																											
		OBS	0095	0573	33605	2651			14737																																											
		STD	0100	0549	3367	2658	0014740	0217	14729																																											
		OBS	0100	0549	33665	2658			14729																																											
		OBS	0111	0477	33740	2673			14702																																											
		STD	0125	0480	3378	2675	0013133	0251	14706																																											
		OBS	0125	0480	33780	2675			14706																																											
		OBS	0130	0478	33780	2676			14706																																											
		OBS	0131	0500	33860	2679			14716																																											
		STD	0150	0503	3387	2679	0012776	0284	14721																																											
		OBS	0150	0503	33865	2679			14721																																											
		STD	0200	0499	3415	2702	0010660	0342	14731																																											
		OBS	0200	0499	34149	2702			14731																																											
		STD	0250	0501	3441	2723	0008789	0391	14744																																											
		STD	0300	0503	3460	2737	0007474	0432	14755																																											
		OBS	0300	0503	34597	2737			14755																																											
		STD	0400	0460	3477	2756	0005813	0498	14756																																											
		OBS	0400	0460	34768	2756			14756																																											
		STD	0500	0447	3484	2763	0005219	0553	14768																																											
		OBS	0500	0447	34842	2763			14768																																											
		STD	0600	0448	3485	2763	0005298	0606	14786																																											
		OBS	0600	0448	34847	2763			14786																																											
		OBS	0660	0445	34867	2765			14794																																											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARKS SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																											
CTRY CODE	ID. NO.					MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT																													
31	8007	EV	42178N	065580W	151	25	11	03	131	1966	056	0225	02	15	7	3	X2	0	3		0070																												
<table><tr><th colspan="3">WATER</th><th colspan="3">WIND</th><th colspan="3">AIR TEMP. °C</th><th rowspan="3">NO. OBS. DEPTHS</th><th rowspan="3">SPECIAL OBSERVATIONS</th></tr><tr><th>COLOR CODE</th><th>TRANS. MT</th><th>DIR.</th><th>SPEED OR FORCE</th><th>BARO- METER (mb)</th><th>DRY BULB</th><th>WET BULB</th><th>VIS. CODE</th></tr><tr><td>01</td><td>50</td><td>13</td><td>540</td><td>190</td><td>139</td><td>128</td><td>8</td><td>23</td></tr></table>																						WATER			WIND			AIR TEMP. °C			NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. MT	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	01	50	13	540	190	139	128	8	23
WATER			WIND			AIR TEMP. °C			NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																							
COLOR CODE	TRANS. MT	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE																																										
01	50	13	540	190	139	128	8	23																																									
MESSNGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	Σ Δ D CYCL. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₃ -N µg - at/l	NO ₂ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	S C C																																
		STD	0000	0891	3225	2501	0029605	0000	14828																																								
131		OBS	0000	0891	32254	2501			14828																																								
		STD	0010	0890	3225	2501	0029607	0030	14829																																								
		OBS	0010	0890	32254	2501			14829																																								
		STD	0020	0885	3225	2502	0029550	0059	14829																																								
000		OBS	0020	0885	32254	2502			14829																																								
		OBS	0025	0884	32254	2502			14830																																								
		STD	0030	0880	3225	2502	0029493	0089	14829																																								
		OBS	0030	0880	32254	2502			14829																																								
		OBS	0039	0693	32130	2519			14756																																								
		OBS	0046	0660	32380	2543			14748																																								
		STD	0050	0547	3253	2569	0023163	0141	14705																																								
		OBS	0050	0547	32530	2569			14705																																								
		OBS	0066	0458	32875	2606			14675																																								
		OBS	0070	0400	33045	2626			14654																																								
		STD	0075	0399	3314	2633	0017100	0192	14655																																								
		OBS	0075	0399	33135	2633			14655																																								
		OBS	0080	0395	33150	2634			14655																																								
		OBS	0082	0368	33255	2645			14645																																								
		OBS	0086	0371	33390	2656			14649																																								
		OBS	0094	0420	33695	2675			14675																																								
		STD	0100	0422	3378	2682	0012485	0229	14678																																								
		OBS	0100	0422	33782	2682			14678																																								
		OBS	0108	0423	33831	2686			14680																																								
		OBS	0110	0459	33964	2692			14697																																								
		OBS	0118	0500	34109	2699			14718																																								
		STD	0125	0501	3413	2701	0010728	0258	14720																																								
		OBS	0125	0501	34132	2701			14720																																								
		OBS	0129	0502	34167	2703			14721																																								
		STD	0150	0585	3445	2716	0009379	0283	14762																																								
		OBS	0150	0585	34448	2716			14762																																								
		STD	0200	0562	3478	2744	0006726	0323	14765																																								
		OBS	0200	0562	34775	2744			14765																																								

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DUST INDEX	MARSDEN SQUARE		STATION TIME IGMTI			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.	CODE	' 1/10	' 1/10		10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV		47000N	048000W		149	78	11	06	161	1966		057	0146	01	00	2	2		X6	013		0071
						WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	OIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB												WET BULB
						DT	SD	OS	S20	254	067												067
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-°10 ³			Σ Δ O DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	SCC			
		STD	0000	0572	3240	2556		0024375			0000	14705											
	161	OBS	0000	0572	32399	2556						14705											
		STD	0010	0562	3243	2559		0024071			0024	14703											
		OBS	0010	0562	32426	2559						14703											
	000	STD	0020	0562	3243	2559		0024081			0048	14705											
		OBS	0020	0562	32426	2559						14705											
		OBS	0025	0528	32611	2577						14694											
		STD	0030	0529	3270	2584		0021685			0071	14696											
		OBS	0030	0529	32698	2584						14696											
		OBS	0037	0294	32446	2588						14595											
		OBS	0039	0351	32986	2626						14627											
		OBS	0043	0118	32820	2631						14523											
		OBS	0044	0153	33028	2645						14542											
		STD	0050	-0010	3315	2664		0014045			0107	14471											
		OBS	0050	-0010	33152	2664						14471											
		OBS	0054	-0040	33334	2680						14460											
		STD	0075	0000	3350	2692		0011453			0139	14484											
		OBS	0075	0000	33497	2692						14484											
		STD	0100	0050	3381	2714		0009356			0165	14516											
		OBS	0100	0050	33806	2714						14516											
		OBS	0120	0093	33883	2717						14539											

REFERENCE		SHIP	LATITUDE	LONGITUDE	DUST INDEX	MARSDEN SQUARE		STATION TIME IGMTI			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.	CODE	' 1/10	' 1/10		10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318007	EV		47000N	047440W		149	77	11	06	177	1966		058	0175	01	00	3	2		X6	013		0072
						WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	OIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB												WET BULB
						DT	SD	OS	S20	159	067												067
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-°10 ³			Σ Δ O DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SiO ₄ -Si μg - dl/l	pH	SCC			
		STD	0000	0550	3257	2571		0022884			0000	14698											
	177	OBS	0000	0550	32565	2571						14698											
		STD	0010	0545	3256	2572		0022876			0023	14698											
		OBS	0010	0545	32560	2572						14698											
	000	STD	0020	0523	3256	2574		0022683			0046	14690											
		OBS	0020	0523	32555	2574						14690											
		OBS	0025	0527	32620	2578						14694											
		STD	0030	0524	3262	2578		0022253			0068	14693											
		OBS	0030	0524	32615	2578						14693											
		OBS	0034	0505	32705	2588						14687											
		OBS	0041	0241	32630	2607						14575											
		OBS	0043	0303	32955	2627						14607											
		OBS	0046	0099	32575	2612						14512											
		STD	0050	-0032	3281	2637		0016602			0107	14456											
		OBS	0050	-0032	32805	2637						14456											
		OBS	0052	-0050	33065	2659						14452											
		OBS	0054	-0013	33445	2688						14474											
		OBS	0059	-0044	33300	2678						14459											
		STD	0075	-0017	3350	2692		0011388			0142	14477											
		OBS	0075	-0017	33495	2692						14477											
		STD	0100	0040	3372	2707		0009955			0169	14510											
		OBS	0100	0040	33720	2707						14510											
		STD	0125	0103	3387	2716		0009189			0193	14545											
		OBS	0125	0103	33870	2716						14545											
		STD	0150	0198	3415	2731		0007782			0214	14595											
		OBS	0150	0198	34145	2731						14595											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INDEX	MARS DEN SQUARE		STATION TIME IGMTI			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER				
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT					
318007		EV	47000N	047310W		149	77	11	06	187	1966		059		0224	02	00	3	2		X6	0	3	0073			
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	ND. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB															
						DT	SD	OS	S35	261	067	067	5				20										
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PD ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si D ₄ -Si μg - at/l	pH	S C									
187		STD	0000	0542	3246	2564	0023622		0000	14694																	
		OBS	0000	0542	32455	2564				14694																	
000		STD	0010	0513	3244	2565	0023468		0024	14683																	
		OBS	0010	0513	32435	2565				14683																	
		STD	0020	0535	3271	2585	0021651		0046	14697																	
		OBS	0020	0535	32710	2585				14697																	
		OBS	0025	0533	32725	2586				14698																	
		STD	0030	0518	3276	2590	0021137		0067	14693																	
		OBS	0030	0518	32755	2590				14693																	
		OBS	0033	0508	32805	2595				14690																	
		OBS	0035	0430	32725	2597				14656																	
		OBS	0040	0400	33045	2626				14649																	
		OBS	0042	0306	32970	2628				14608																	
		STD	0050	0056	3301	2649	0015491		0104	14499																	
		OBS	0050	0056	33005	2649				14499																	
		OBS	0058	0040	33520	2691				14500																	
		OBS	0062	0059	33760	2710				14513																	
		OBS	0065	0040	33750	2710				14505																	
		STD	0075	0075	3386	2716	0009128		0135	14524																	
		OBS	0075	0075	33855	2716				14524																	
		STD	0100	0132	3399	2723	0008502		0157	14555																	
		OBS	0100	0132	33985	2723				14555																	
		OBS	0110	0163	34105	2730				14572																	
		OBS	0112	0209	34205	2735				14594																	
		STD	0125	0224	3426	2738	0007144		0176	14604																	
		OBS	0125	0224	34255	2738				14604																	
		STD	0150	0273	3438	2744	0006622		0194	14631																	
		OBS	0150	0273	34380	2744				14631																	
		STD	0200	0293	3445	2747	0006342		0226	14648																	
		OBS	0200	0293	34445	2747				14648																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007		EV	47000N	047150W		149	77	11	06	198	1966	060	0493	04	00	3	2		X6	0	3	0074	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	DRY BULB		WET BULB											
						DT	SD	OS	S35	261		067		067		5		20					
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t		Σ Δ σ OTN. M. x 10 ³		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C		
		STD	0000	0558	3283	2591		0021024		0000		14705											
198		OBS	0000	0558	32825	2591						14705											
		STD	0010	0548	3289	2597		0020472		0021		14703											
		OBS	0010	0548	32885	2597						14703											
		STD	0020	0542	3289	2598		0020416		0041		14703											
000		OBS	0020	0542	32885	2598						14703											
		OBS	0025	0547	32905	2599						14706											
		STD	0030	0529	3296	2605		0019757		0061		14700											
		OBS	0030	0529	32955	2605						14700											
		OBS	0037	0380	32945	2620						14639											
		OBS	0038	0411	33455	2657						14659											
		OBS	0049	0252	33605	2684						14594											
		STD	0050	0261	3381	2699		0010805		0092		14601											
		OBS	0050	0261	33805	2699						14601											
		OBS	0054	0284	34055	2717						14615											
		OBS	0062	0243	34010	2717						14598											
		OBS	0070	0254	34150	2727						14606											
		STD	0075	0227	3414	2728		0008051		0115		14595											
		OBS	0075	0227	34135	2728						14595											
		STD	0100	0322	3448	2747		0006310		0133		14645											
		OBS	0100	0322	34475	2747						14645											
		STD	0125	0367	3457	2750		0006040		0149		14669											
		OBS	0125	0367	34570	2750						14669											
		STD	0150	0410	3469	2755		0005632		0163		14693											
		OBS	0150	0410	34685	2755						14693											
		STD	0200	0423	3476	2759		0005293		0191		14708											
		OBS	0200	0423	34755	2759						14708											
		STD	0250	0434	3481	2762		0005051		0217		14721											
		STD	0300	0442	3484	2764		0004967		0242		14733											
		OBS	0300	0442	34840	2764						14733											
		STD	0400	0449	3485	2763		0005114		0292		14753											
		OBS	0400	0449	34845	2763						14753											
		OBS	0450	0450	34850	2763						14762											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	NODC NUMBER	MARSOEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER					
CTRY CODE	ID. NO.					10°	1°	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT			
31	8007	EV	47000N	047000W	149	77	11	06	210	1966	061		1097	10	00	3	3		X2	0	3	0075				
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB															
						DT	SD	OS	S20	268	083	083	6	21												
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{ml}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{ml}^{-1}$	pH	S NO									
		STD	0000	0626	3324	2615	0018745	0000	14738																	
210		OBS	0000	0626	33235	2615			14738																	
		STD	0010	0710	3346	2621	0018171	0018	14776																	
		OBS	0010	0710	33455	2621			14776																	
		STD	0020	0743	3371	2636	0016760	0036	14794																	
001		OBS	0020	0743	33705	2636			14794																	
		OBS	0025	0789	33835	2640			14814																	
		STD	0030	0800	3393	2646	0015889	0052	14820																	
		OBS	0030	0800	33930	2646			14820																	
		STD	0050	0492	3397	2689	0011761	0080	14701																	
		OBS	0050	0492	33970	2689			14701																	
		OBS	0062	0576	34350	2709			14743																	
		STD	0075	0517	3457	2734	0007572	0104	14724																	
		OBS	0075	0517	4570	2734			14724																	
		STD	0100	0472	477	2754	0005640	0121	14712																	
		OBS	0100	0472	4765	2754			14712																	
		STD	0125	0456	3478	2757	0005381	0134	14710																	
		OBS	0125	0456	34780	2757			14710																	
		STD	0150	0450	3481	2760	0005156	0148	14712																	
		OBS	0150	0450	34805	2760			14712																	
		STD	0200	0439	3485	2764	0004791	0172	14716																	
		OBS	0200	0439	34845	2764			14716																	
		STD	0250	0432	3485	2765	0004730	0196	14721																	
		STD	0300	0425	3486	2767	0004668	0220	14727																	
		OBS	0300	0425	34855	2767			14727																	
		STD	0400	0414	3491	2772	0004260	0264	14739																	
		OBS	0400	0414	34907	2772			14739																	
		STD	0500	0401	3491	2773	0004214	0307	14750																	
		OBS	0500	0401	34907	2773			14750																	
		STD	0600	0389	3491	2775	0004175	0349	14762																	
		OBS	0600	0389	34907	2775			14762																	
		STD	0700	0384	3492	2776	0004099	0390	14776																	
		OBS	0700	0384	34922	2776			14776																	
		STD	0800	0378	3492	2777	0004114	0431	14791																	
		OBS	0800	0378	34923	2777			14791																	
		STD	0900	0376	3492	2777	0004186	0473	14806																	
		OBS	0900	0376	34922	2777			14806																	
		STD	1000	0372	3493	2778	0004146	0514	14822																	
		OBS	1000	0372	34933	2778			14822																	
		OBS	1050	0370	34935	2779			14829																	

TABLE IV.—Continued

REF CODE	IO. NO.	SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DRIFT INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S				DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER	DIR.	HGT PER			SEA	TYPE	AMT					
318007		EV	47000N	046450W		149	76	11	06	230	1966		062		1207	11	00	2	3		X2	0	3		0076
				WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS													
				COLOR CODE	TRANS. m	CIR.	SPEED OR FORCE	BARO- METER (mba)		DRY RULB	WET RULB	VIS. CODE													
				DT	SD	05	S20	268	083	083	6	24													
MESSENGR TIME HR 1/10	CAST NO.	CARO TYPE	DEPTN (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	S C							
230		STD	0000	0951	3396	2624	0017856		0000	14873															
		OBS	0000	0951	33960	2624				14873															
001		STD	0010	0885	3396	2635	0016867		0017	14850															
		OBS	0010	0885	33960	2635				14850															
		STD	0020	0835	3401	2647	0015778		0034	14833															
		OBS	0020	0835	34010	2647				14833															
		OBS	0025	0831	34010	2647				14832															
		STD	0030	0829	3401	2647	0015708		0049	14832															
		OBS	0030	0829	34010	2647				14832															
		OBS	0040	0829	34065	2652				14835															
		STD	0050	0764	3429	2679	0012742		0078	14814															
		OBS	0050	0764	34290	2679				14814															
		STD	0075	0553	3458	2730	0007950		0104	14739															
		OBS	0075	0553	34575	2730				14739															
		STD	0100	0471	3472	2751	0005966		0121	14711															
		OBS	0100	0471	34720	2751				14711															
		OBS	0110	0464	34720	2752				14710															
		STD	0125	0501	3484	2756	0005468		0135	14729															
		OBS	0125	0501	34835	2756				14729															
		OBS	0137	0510	34855	2757				14735															
		STD	0150	0473	3481	2757	0005407		0149	14721															
		OBS	0150	0473	34805	2757				14721															
	STD	0200	0439	3485	2765	0004723		0174	14716																
	OBS	0200	0439	34854	2765				14716																
	STD	0250	0425	3487	2768	0004505		0197	14718																
	STD	0300	0418	3489	2770	0004360		0220	14724																
	OBS	0300	0418	34886	2770				14724																
	STD	0400	0422	3492	2772	0004259		0263	14743																
	OBS	0400	0422	34919	2772				14743																
	STD	0500	0403	3491	2773	0004236		0305	14751																
	OBS	0500	0403	34907	2773				14751																
	STD	0600	0390	3491	2775	0004149		0347	14762																
	OBS	0600	0390	34912	2775				14762																
	STD	0700	0391	3493	2776	0004142		0389	14779																
	OBS	0700	0391	34927	2776				14779																
	STD	0800	0384	3493	2777	0004131		0430	14793																
	OBS	0800	0384	34930	2777				14793																
	STD	0900	0379	3493	2777	0004170		0471	14808																
	OBS	0900	0379	34929	2777				14808																
	STD	1000	0373	3493	2778	0004165		0513	14822																
	OBS	1000	0373	34932	2778				14822																
	STD	1100	0364	3493	2779	0004143		0555	14835																
	OBS	1100	0364	34932	2779				14835																
	OBS	1150	0361	34936	2780				14842																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 10	LONGITUDE ° ' 10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	47000N	046310W		149	76	11	07	004	1966		063	0630	05	05	3	4		X2	0	3	0077
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR	SPEED OR FORCE			DRY BULB	WET BULB														
		OT	SD	04	515	271		111	100		6 17												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME AND SALTY=310°		Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₂ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₄ -Si μg - ml/l	pH	S DIN				
		STD	0000	1027	3385	2603		0019884		0000	14899												
004		OBS	0000	1027	33850	2603					14899												
		STD	0010	1017	3385	2605		0019742		0020	14897												
		OBS	0010	1017	33850	2605					14897												
		STD	0020	1012	3388	2607		0019497		0039	14897												
000		OBS	0020	1012	33875	2607					14897												
		OBS	0025	1011	33875	2608					14898												
		STD	0030	1010	3388	2608		0019485		0059	14898												
		OBS	0030	1010	33875	2608					14898												
		OBS	0040	1010	33875	2608					14900												
		STD	0050	0865	3393	2635		0016902		0095	14848												
		OBS	0050	0865	33925	2635					14848												
		OBS	0070	0644	34580	2718					14774												
		STD	0075	0680	3480	2731		0007889		0126	14792												
		OBS	0075	0680	34795	2731					14792												
		STD	0100	0558	3483	2749		0006173		0144	14748												
		OBS	0100	0558	34825	2749					14748												
		STD	0125	0498	3476	2750		0006032		0159	14727												
		OBS	0125	0498	34755	2750					14727												
		STD	0150	0460	3479	2758		0005377		0173	14716												
		OBS	0150	0460	34790	2758					14716												
		STD	0200	0449	3487	2765		0004750		0199	14720												
		OBS	0200	0449	34865	2765					14720												
		STD	0250	0433	3488	2768		0004516		0222	14722												
		STD	0300	0421	3489	2770		0004348		0244	14725												
		OBS	0300	0421	34892	2770					14725												
		STD	0400	0410	3492	2773		0004127		0286	14738												
		OBS	0400	0410	34919	2773					14738												
		STD	0500	0388	3491	2775		0004019		0327	14745												
		OBS	0500	0388	34914	2775					14745												
		OBS	0550	0379	34916	2776					14749												

TABLE IV.—Continued

REFERENCE CTRY CODE	IO. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER				
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT					
						10"	1"	MO	DAY	HR.1/10																
318007		EV	47000N	046100W		149	76	11	07	018	1966		064		0302	03	08	1	4		X2	0	3		0078	
						WATER		WIND		AIR TEMP. °C		BARO- METER (mb)	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	DRY BULB	WET BULB															
						0T	SD	04	510	271	111						111	6	21							
MESSNGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	Σ Δ O DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C O									
		STD	0000	1013	3386	2606	0019619	0000	14894																	
	018	OBS	0000	1013	33855	2606			14894																	
		OBS	0006	1013	33855	2606			14895																	
		STD	0010	0997	3386	2608	0019382	0020	14890																	
	000	OBS	0010	0997	33855	2608			14890																	
		STD	0020	0995	3386	2609	0019370	0039	14891																	
		OBS	0020	0995	33855	2609			14891																	
		OBS	0025	0995	33855	2609			14891																	
		STD	0030	0991	3386	2609	0019327	0058	14891																	
		OBS	0030	0991	33855	2609			14891																	
		OBS	0040	0950	33855	2616			14877																	
		STD	0050	0808	3421	2666	0013993	0092	14830																	
		OBS	0050	0808	34205	2666			14830																	
		OBS	0070	0603	34415	2711			14756																	
		STD	0075	0594	3453	2721	0008814	0120	14754																	
		OBS	0075	0594	34525	2721			14754																	
		OBS	0077	0560	34470	2721			14740																	
		OBS	0084	0552	34555	2728			14739																	
		OBS	0086	0510	34530	2731			14722																	
		OBS	0091	0499	34545	2734			14719																	
		OBS	0094	0532	34705	2743			14735																	
		STD	0100	0499	3467	2744	0006650	0139	14722																	
		OBS	0100	0499	34670	2744			14722																	
		STD	0125	0529	3482	2752	0005879	0155	14740																	
		OBS	0125	0529	34823	2752			14740																	
		OBS	0132	0495	34790	2754			14727																	
		STD	0150	0499	3487	2759	0005235	0169	14733																	
		OBS	0150	0499	34867	2759			14733																	
		STD	0200	0477	3487	2762	0005045	0195	14752																	
		OBS	0200	0477	34867	2762			14732																	
		STD	0250	0445	3488	2766	0004648	0219	14727																	
		OBS	0280	0421	34887	2770			14722																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOGC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR, 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT			
31	8007	EV	47180N	046100W		149	76	11	07	037	1966		065		0368	03	04	2	2		X2	0	3		0079
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB												
						DT	SO	03	514	268	100	100	5	15											
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	$\Sigma \Delta \rho$ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - dl/l	TOTAL-P µg - dl/l	NO ₂ -N µg - dl/l	NO ₃ -N µg - dl/l	SiO ₄ -Si µg - dl/l	pH	S CODE								
		STD	0000	0983	3394	2617	0018546	0000	14884																
037		OBS	0000	0983	33935	2617			14884																
		STD	0010	0982	3394	2617	0018550	0019	14885																
		OBS	0010	0982	33935	2617			14885																
		STD	0020	0976	3394	2618	0018475	0037	14885																
000		OBS	0020	0976	33935	2618			14885																
		OBS	0025	0968	33935	2619			14883																
		STD	0030	0966	3394	2620	0018337	0055	14883																
		OBS	0030	0966	33935	2620			14883																
		OBS	0040	0964	33940	2621			14884																
		STD	0050	0810	3434	2676	0013019	0067	14833																
		OBS	0050	0810	34340	2676			14833																
		STD	0075	0690	3474	2724	0008468	0114	14795																
		OBS	0075	0690	34735	2724			14795																
		STD	0100	0664	3478	2732	0007830	0134	14790																
		OBS	0100	0664	34780	2732			14790																
		OBS	0117	0644	34835	2739			14785																
		STD	0125	0570	3472	2739	0007134	0153	14756																
		OBS	0125	0570	34720	2739			14756																
		STD	0150	0530	3476	2747	0006393	0170	14744																
		OBS	0150	0530	34760	2747			14744																
		STD	0200	0477	3483	2759	0005322	0199	14731																
		OBS	0200	0477	34830	2759			14731																
		STD	0250	0444	3488	2767	0004637	0224	14727																
		STD	0300	0429	3490	2769	0004405	0246	14729																
		OBS	0300	0429	34896	2769			14729																
		OBS	0310	0428	34897	2770			14730																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPT INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S			DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CST CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
318007	EV	47400N	046100W	149	76	11	07	066		1966		066		1075	10	03	3	2		X4	03		0080	
						WATER		WIND		AIR TEMP. °C														
						COLOR CODE	TRANS. DM	DIR.	SPEED OF FORCE	BARO- METER (mbs)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						DT	SD	05	S20	254	106	106	4	23										
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	Si D ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S C							
		STD	0000	0762	3377	2639	0016502	0000	14799															
	066	OBS	0000	0762	33770	2639			14799															
		STD	0010	0763	3377	2638	0016532	0017	14801															
		OBS	0010	0763	33770	2638			14801															
		STD	0020	0910	3417	2647	0015706	0033	14863															
	001	OBS	0020	0910	34170	2647			14863															
		OBS	0025	0900	34085	2642			14859															
		STD	0030	0833	3394	2641	0016286	0049	14833															
		OBS	0030	0833	33940	2641			14833															
		OBS	0038	0868	34165	2654			14850															
		STD	0050	0668	3400	2669	0013658	0079	14773															
		OBS	0050	0668	33995	2669			14773															
		OBS	0058	0544	34190	2700			14727															
		OBS	0064	0559	34575	2729			14739															
		STD	0075	0486	3466	2744	0006589	0104	14712															
		OBS	0075	0486	34655	2744			14712															
		STD	0100	0471	3474	2752	0005816	0119	14711															
		OBS	0100	0471	34740	2752			14711															
		OBS	0115	0437	34705	2753			14699															
		STD	0125	0435	3471	2754	0005718	0134	14700															
		OBS	0125	0435	34705	2754			14700															
		STD	0150	0428	3483	2764	0004748	0147	14703															
		OBS	0150	0428	34828	2764			14703															
		STD	0200	0412	3485	2767	0004488	0170	14705															
		OBS	0200	0412	34847	2767			14705															
		STD	0250	0406	3487	2770	0004302	0192	14711															
		STD	0300	0402	3488	2771	0004241	0213	14717															
		OBS	0300	0402	34879	2771			14717															
		STD	0400	0397	3489	2772	0004209	0256	14732															
		OBS	0400	0397	34889	2772			14732															
		STD	0500	0394	3491	2774	0004137	0297	14747															
		OBS	0500	0394	34907	2774			14747															
		STD	0600	0390	3492	2775	0004127	0339	14762															
		OBS	0600	0390	34915	2775			14762															
		STD	0700	0382	3492	2776	0004092	0380	14776															
		OBS	0700	0382	34920	2776			14776															
		STD	0800	0377	3493	2777	0004080	0421	14790															
		OBS	0800	0377	34926	2777			14790															
		STD	0900	0368	3493	2778	0004042	0461	14803															
		OBS	0900	0368	34929	2778			14803															
		OBS	0980	0363	34933	2779			14814															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	MARS SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO DAY HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	8007	EV	48000N	046100W	149 86	11	07	084	1966		067	1152	11	03	3	c		X4	0 3		0081
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. SMT	DIR.	SPEED OR FORCE		DRY BULB	WET BULB									
						DT	SD	07	S20		254	106					106	3	24		
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY=σ _t °		Σ Δ ρ OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₃ -N μg - ml/l	SiO ₄ -Si μg - ml/l	pH			
		STD	0000	0913	3413	2644		0016010		0000	14861										
	084	OBS	0000	0913	34130	2644					14861										
		STD	0010	0913	3413	2644		0016029		0016	14862										
		OBS	0010	0913	34130	2644					14862										
		STD	0020	0911	3413	2644		0016055		0032	14863										
	001	OBS	0020	0911	34125	2644					14863										
		OBS	0025	0900	34125	2645					14860										
		STD	0030	0871	3413	2650		0015471		0048	14850										
		OBS	0030	0871	34125	2650					14850										
		OBS	0036	0769	34005	2656					14810										
		OBS	0039	0813	34185	2664					14830										
		STD	0050	0699	3436	2693		0011378		0075	14790										
		OBS	0050	0699	34355	2693					14790										
		STD	0075	0469	3468	2747		0006253		0097	14705										
		OBS	0075	0469	34675	2747					14705										
		STD	0100	0436	3472	2755		0005591		0112	14690										
		OBS	0100	0436	34720	2755					14696										
		STD	0125	0429	3476	2758		0005280		0125	14698										
		OBS	0125	0429	34755	2758					14698										
		STD	0150	0424	3478	2761		0005066		0138	14700										
		OBS	0150	0424	34780	2761					14700										
		STD	0200	0428	3487	2767		0004515		0162	14711										
		OBS	0200	0428	34866	2767					14711										
		STD	0250	0414	3487	2769		0004409		0184	14714										
		STD	0300	0404	3487	2770		0004352		0206	14716										
		OBS	0300	0404	34867	2770					14718										
		STD	0400	0398	3488	2771		0004310		0250	14732										
		OBS	0400	0398	34877	2771					14732										
		STD	0500	0392	3489	2773		0004242		0292	14746										
		OBS	0500	0392	34890	2773					14746										
		STD	0600	0391	3490	2774		0004220		0335	14763										
		OBS	0600	0391	34904	2774					14763										
		STD	0700	0389	3491	2775		0004230		0377	14778										
		OBS	0700	0389	34912	2775					14778										
		STD	0800	0385	3492	2776		0004217		0419	14793										
		OBS	0800	0385	34920	2776					14793										
		STD	0900	0380	3493	2777		0004204		0461	14808										
		OBS	0900	0380	34926	2777					14808										
		STD	1000	0369	3493	2778		0004140		0503	14820										
		OBS	1000	0369	34929	2778					14820										
		OBS	1060	0359	34935	2780					14826										

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'WPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CRUISE CODE	ID. NO.					10"	1"	MD	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV	48190N	046100W	149	86	11	07	108	1966	068	1152	11	01	3	2		X4	0	3		0082		
					WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
					COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	BARO- METER (mbx)	DRY BULB					WET BULB								
					DT	SD	07	S20	254	067					067	3	21						
MESSNGR TIME HR 1/10	CST ND.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH			S CC			
		STD	0000	0668	3368	2644	0015938		0000	14761													
108		OBS	0000	0668	33680	2644				14761													
		STD	0010	0745	3419	2674	0013196		0015	14799													
		OBS	0010	0745	34185	2674				14799													
		STD	0020	0700	3411	2674	0013208		0028	14782													
001		OBS	0020	0700	34105	2674				14782													
		OBS	0025	0721	34195	2678				14792													
		STD	0030	0733	3428	2682	0012396		0041	14799													
		OBS	0030	0733	34275	2682				14799													
		STD	0050	0449	3428	2718	0008977		0062	14688													
		OBS	0050	0449	34280	2718				14688													
		OBS	0052	0423	34330	2725				14678													
		STD	0075	0424	3463	2748	0006153		0081	14686													
		OBS	0075	0424	34625	2748				14686													
		STD	0100	0457	3481	2759	0005177		0095	14706													
		OBS	0100	0457	34805	2759				14706													
		STD	0125	0462	3486	2763	0004884		0108	14713													
		OBS	0125	0462	34855	2763				14713													
		STD	0150	0459	3486	2763	0004879		0120	14716													
		OBS	0150	0459	34855	2763				14716													
		STD	0200	0444	3486	2765	0004770		0144	14718													
		OBS	0200	0444	34855	2765				14718													
		STD	0250	0435	3489	2768	0004463		0167	14723													
		STD	0300	0427	3491	2771	0004271		0189	14728													
		OBS	0300	0427	34911	2771				14728													
		STD	0400	0418	3491	2771	0004319		0232	14741													
		OBS	0400	0418	34905	2771				14741													
		STD	0500	0395	3491	2774	0004148		0274	14748													
		OBS	0500	0395	34907	2774				14748													
		STD	0600	0387	3491	2775	0004123		0315	14761													
		OBS	0600	0387	34911	2775				14761													
		STD	0700	0376	3491	2776	0004083		0357	14773													
		OBS	0700	0376	34912	2776				14773													
		STD	0800	0376	3493	2778	0004024		0397	14790													
		OBS	0800	0376	34932	2778				14790													
		STD	0900	0366	3493	2779	0004018		0437	14802													
		OBS	0900	0366	34929	2779				14802													
		STD	1000	0363	3493	2779	0004069		0478	14818													
		OBS	1000	0363	34929	2779				14818													
		STD	1100	0360	3493	2779	0004117		0519	14833													
		OBS	1100	0360	34929	2779				14833													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	MARSSEN SQUARE		STATION TIME IGMT				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR			NGT	PER	SEA	TYPE		AMT		
												WATER COLOR CODE									TRANS. (m)		DIR.	SPEED OF FORCE
		OT		SD		04		S14		247		083		083		1		24						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-210?		$\Sigma \Delta \sigma_t$ DYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₃ -N µg - at/l	NO ₃ -N µg - at/l	Si O ₄ -Si µg - at/l	pH	S CC				
		STD	0000	0719	3308	2590		0021109		0000		14773												
134		OBS	0000	0719	33075	2590						14773												
		STD	0010	0719	3308	2590		0021123		0021		14774												
		OBS	0010	0719	33075	2590						14774												
		STD	0020	0719	3308	2590		0021137		0042		14776												
002		OBS	0020	0719	33075	2590						14776												
		OBS	0025	0719	33075	2590						14777												
		STD	0030	0725	3404	2665		0014076		0060		14793												
		OBS	0030	0725	34035	2665						14793												
		STD	0050	0595	3430	2702		0010511		0084		14748												
		OBS	0050	0595	34295	2702						14748												
		STD	0075	0478	3469	2748		0006239		0105		14709												
		OBS	0075	0478	34690	2748						14709												
		STD	0100	0462	3478	2756		0005456		0120		14708												
		OBS	0100	0462	34775	2756						14708												
		STD	0125	0460	3484	2761		0005012		0133		14712												
		OBS	0125	0460	34835	2761						14712												
		STD	0150	0451	3484	2762		0004942		0146		14712												
		OBS	0150	0451	34835	2762						14712												
		STD	0200	0438	3486	2765		0004705		0170		14715												
		OBS	0200	0438	34855	2765						14715												
		STD	0250	0431	3488	2768		0004495		0193		14721												
		STD	0300	0424	3490	2770		0004328		0215		14727												
		OBS	0300	0424	34899	2770						14727												
		STD	0400	0414	3491	2772		0004267		0258		14739												
		OBS	0400	0414	34906	2772						14739												
		STD	0500	0402	3491	2773		0004225		0300		14751												
		OBS	0500	0402	34907	2773						14751												
		STD	0600	0389	3491	2774		0004190		0342		14762												
		OBS	0600	0389	34905	2774						14762												
		STD	0700	0382	3491	2775		0004188		0384		14775												
		OBS	0700	0382	34907	2775						14775												
		STD	0800	0377	3491	2776		0004206		0426		14790												
		OBS	0800	0377	34909	2776						14790												
		STD	0900	0371	3492	2777		0004165		0468		14804												
		OBS	0900	0371	34917	2777						14804												
		STD	1000	0367	3492	2778		0004190		0510		14819												
		OBS	1000	0367	34919	2778						14819												
		STD	1100	0363	3492	2778		0004212		0552		14834												
		OBS	1100	0363	34921	2778						14834												
		STD	1200	0360	3493	2779		0004215		0594		14850												
		OBS	1200	0360	34927	2779						14850												
		STD	1300	0356	3493	2780		0004226		0636		14865												
		OBS	1300	0356	34930	2780						14865												
		STD	1400	0355	3494	2781		0004192		0678		14882												
		OBS	1400	0355	34944	2781						14882												
		STD	1500	0351	3495	2782		0004200		0720		14897												
		OBS	1500	0351	34947	2782						14897												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DIFF INCH	MARS DEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODE STATION NUMBER	
CTRY CODE	ID. NO.					10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
31	8007	EV	47420N	045240W		149	75	11	07	195	1966		070	0284	03	07	3	2		X2	0	3	0084
						WATER		WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB		WET BULB															
		DT	SD	10	522	193	111	111	7	13													
MESSNGR TIME HR 1/10	CAST OF NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	Si O ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C						
		STD	0000	0994	3390	2612	0019017	0000	14888														
	195	OBS	0000	0994	33895	2612			14888														
		STD	0010	0964	3390	2617	0018561	0019	14878														
		OBS	0010	0964	33895	2617			14878														
		STD	0020	0931	3402	2632	0017178	0037	14869														
	000	OBS	0020	0931	34015	2632			14869														
		STD	0030	0895	3413	2646	0015831	0053	14859														
		OBS	0030	0895	34125	2646			14859														
		STD	0050	0787	3456	2696	0011094	0080	14827														
		OBS	0050	0787	34555	2696			14827														
		STD	0075	0725	3487	2730	0007971	0104	14811														
		OBS	0075	0725	34865	2730			14811														
		STD	0100	0683	3487	2736	0007447	0123	14798														
		OBS	0100	0683	34865	2736			14798														
		STD	0125	0632	3483	2739	0007120	0141	14782														
		OBS	0125	0632	34825	2739			14782														
		STD	0150	0560	3478	2745	0006599	0159	14756														
		OBS	0150	0560	34780	2745			14756														
		OBS	0174	0559	34865	2752			14761														
		OBS	0186	0493	34740	2750			14734														
		STD	0200	0487	3483	2758	0005435	0189	14735														
		OBS	0200	0487	34830	2758			14735														
		STD	0250	0448	3487	2765	0004770	0214	14728														
		OBS	0252	0446	34870	2765			14728														

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDIC	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODE STATION NUMBER
CTRY CODE	ID. NO.					10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	46490N	044395W		149	64	11	08	014	1966		071	0137	01	13	3	3		X2	0	3	0085
		WATER COLOR CODE	WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
			TRANS. (m)	DIR.		SPEED OF FORCE	DRY BULB					WET BULB											
			DT	SD		09 <td>530</td> <td>125</td> <td>128</td> <td>122</td> <td>7</td> <td>10</td> <th colspan="10"></th>	530					125	128	122	7	10							
MESSNGR TIME HR 1/10	CAST OF NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	Si O ₄ -Si μg - dl/l	pH	S CLO						
		STD	0000	0979	3406	2627	0017594	0000	14884														
	014	OBS	0000	0979	34055	2627			14884														
		STD	0010	0978	3406	2627	0017598	0018	14885														
		OBS	0010	0978	34055	2627			14885														
		STD	0020	0974	3406	2628	0017555	0035	14886														
	000	OBS	0020	0974	34055	2628			14886														
		STD	0030	0946	3408	2634	0016949	0052	14877														
		OBS	0030	0946	34080	2634			14877														
		STD	0050	0918	3430	2656	0014925	0084	14873														
		OBS	0050	0918	34300	2656			14873														
		OBS	0054	0915	34300	2657			14872														
		STD	0075	0570	3439	2713	0009534	0115	14743														
		OBS	0075	0570	34390	2713			14743														
		OBS	0079	0479	34555	2737			14709														
		STD	0100	0469	3456	2738	0007180	0136	14708														
		OBS	0100	0469	34555	2738			14708														
		OBS	0122	0464	34560	2739			14709														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	OBS. INSTR.	MARSCON SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR, 1/10	CRUISE NO.		STATION NUMBER	DIR			HGT	PER	SEA	TYPE		AMT		
						DT	SD	12	S45	075													172	
318007	EV		45580N	043550W		149	53	11	08	100	1966		072		4023	15	14	9	4		X2	013		0086
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB												
						DT	SD	12	S45	075	172	161	6	36										
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C						
100		STD	0000	1322	3391	2552	0024713		0000	15002														
		OBS	0000	1322	33905	2552				15002														
		STD	0010	1319	3391	2553	0024681		0025	15003														
002		OBS	0010	1319	33905	2553				15003														
		STD	0020	1214	3376	2562	0023617		0049	14967														
		OBS	0020	1214	33760	2562				14967														
		STD	0030	1182	3379	2570	0023080		0072	14958														
		OBS	0030	1182	33785	2570				14958														
		STD	0050	0918	3444	2667	0013925		0109	14875														
		OBS	0050	0918	34435	2667				14875														
		OBS	0056	0895	34625	2685				14870														
		OBS	0065	0921	34815	2696				14883														
		STD	0075	0870	3476	2700	0010833		0140	14865														
		OBS	0075	0870	34760	2700				14865														
		OBS	0080	0858	34825	2707				14862														
		STD	0100	0917	3504	2714	0009570		0166	14890														
		OBS	0100	0917	35035	2714				14890														
		STD	0125	0819	3492	2720	0008983		0189	14856														
		OBS	0125	0819	34920	2720				14856														
		STD	0150	0785	3498	2730	0008125		0210	14848														
		OBS	0150	0785	34975	2730				14848														
		STD	0200	0603	3479	2740	0007144		0249	14782														
		OBS	0200	0603	34787	2740				14782														
		OBS	0242	0528	34769	2748				14758														
		STD	0250	0548	3484	2751	0006137		0282	14769														
		OBS	0255	0557	34872	2753				14774														
		STD	0300	0488	3489	2762	0005107		0310	14753														
		OBS	0300	0488	34891	2762				14753														
		OBS	0341	0453	34876	2765				14745														
		OBS	0361	0470	34902	2765				14756														
		OBS	0370	0439	34887	2768				14744														
		STD	0400	0469	3494	2768	0004673		0359	14762														
		OBS	0400	0469	34935	2768				14762														
		OBS	0420	0443	34907	2769				14755														
		OBS	0430	0462	34937	2769				14764														
		STD	0500	0455	3496	2772	0004412		0404	14773														
		OBS	0500	0455	34963	2772				14773														
		OBS	0550	0403	34897	2772				14759														
		STD	0600	0403	3491	2773	0004347		0448	14768														
		OBS	0600	0403	34905	2773				14768														
		OBS	0628	0439	34972	2774				14788														
		OBS	0675	0407	34927	2774				14782														
		STD	0700	0427	3497	2776	0004211		0491	14795														
		OBS	0700	0427	34974	2776				14795														
		STD	0800	0407	3495	2776	0004259		0533	14803														
		OBS	0800	0407	34949	2776				14803														
		STD	0900	0378	3493	2777	0004188		0575	14807														
		OBS	0900	0378	34925	2777				14807														
		STD	1000	0392	3496	2778	0004208		0617	14830														
		OBS	1000	0392	34957	2778				14830														
		STD	1100	0369	3493	2778	0004218		0659	14837														
		OBS	1100	0369	34930	2778				14837														
		STD	1200	0374	3495	2779	0004239		0702	14856														
		OBS	1200	0374	34947	2779				14856														
		STD	1300	0371	3495	2780	0004258		0744	14872														
		OBS	1300	0371	34951	2780				14872														
		STD	1400	0367	3495	2780	0004292		0767	14887														
		OBS	1400	0367	34951	2780				14887														
		STD	1500	0365	3496	2781	0004306		0830	14903														
		OBS	1500	0365	34957	2781				14903														

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DEPTH INDIC	MARSDEN SQUARE	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES	NODC STATION NUMBER				
CTRY CODE	IO. NO.	CODE	° 1/10	° 1/10		10"	1"	MO		DAY	HR. 1/10	CRUISE NO.	STATION NUMBER	BOTTOM		DIR.	HGT	PER		SEA	TYPE	AMT	
31	8007	EV	44510N	042350W		149	42	11	08	217	1966		073	4755	15	22	4	2		X2	013		0087
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE										
						DT	SD	21	510	115	183	178	7	34									
MESSAGE NO.	TIME OF HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-10 ³		Σ Δ D OYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	°C			
			STD	0000	1781	3572	2588		0021261		0000	15168											
217			OBS	0000	1781	35715	2588					15168											
			STD	0010	1782	3571	2588		0021354		0021	15170											
			OBS	0010	1782	35710	2588					15170											
			STD	0020	1789	3575	2589		0021298		0043	15174											
002			OBS	0020	1789	35745	2589					15174											
			STD	0030	1796	3577	2589		0021351		0064	15178											
			OBS	0030	1796	35765	2589					15178											
			STD	0050	1800	3586	2594		0020860		0106	15183											
			OBS	0050	1800	35855	2594					15183											
			OBS	0060	1813	35935	2597					15190											
			STD	0075	1780	3609	2617		0018805		0156	15184											
			OBS	0075	1780	36085	2617					15184											
			STD	0100	1741	3635	2646		0016093		0199	15180											
			OBS	0100	1741	36345	2646					15180											
			STD	0125	1729	3638	2652		0015681		0239	15181											
			OBS	0125	1729	36375	2652					15181											
			STD	0150	1679	3628	2656		0015343		0278	15169											
			OBS	0150	1679	36275	2656					15169											
			OBS	0177	1670	36285	2659					15171											
			STD	0200	1592	3617	2668		0014339		0352	15150											
			OBS	0200	1592	36167	2668					15150											
			STD	0250	1503	3598	2674		0013921		0423	15128											
			STD	0300	1448	3590	2680		0013467		0491	15118											
			OBS	0300	1448	35903	2680					15118											
			OBS	0355	1428	35953	2688					15121											
			STD	0400	1353	3577	2690		0012785		0622	15101											
			OBS	0400	1353	35767	2690					15101											
			OBS	0440	1252	35600	2697					15072											
			OBS	0452	1289	35692	2697					15088											
			STD	0500	1214	3556	2701		0011826		0746	15069											
			OBS	0500	1214	35559	2701					15069											
			OBS	0550	1085	35381	2712					15030											
			STD	0600	1042	3536	2718		0010350		0856	15022											
			OBS	0600	1042	35359	2718					15022											
			OBS	0650	0889	35114	2724					14971											
			OBS	0680	0889	35154	2728					14977											
			STD	0700	0852	3512	2731		0009109		0954	14966											
			OBS	0700	0852	35117	2731					14966											
			STD	0800	0690	3504	2749		0007324		1036	14919											
			OBS	0800	0690	35043	2749					14919											
			OBS	0865	0605	35032	2759					14896											
			STD	0900	0610	3508	2762		0006060		1103	14904											
			OBS	0900	0610	35078	2762					14904											
			STD	1000	0524	3502	2768		0005459		1160	14885											
			OBS	1000	0524	35016	2768					14885											
			STD	1100	0489	3502	2772		0005106		1213	14888											
			OBS	1100	0489	35016	2772					14888											
			STD	1200	0472	3499	2772		0005217		1265	14897											
			OBS	1200	0472	34985	2772					14897											
			STD	1300	0441	3499	2775		0004894		1315	14901											
			OBS	1300	0441	34987	2775					14901											
			STD	1400	0424	3498	2776		0004855		1364	14911											
			OBS	1400	0424	34975	2776					14911											
			STD	1500	0415	3497	2777		0004837		1413	14924											
			OBS	1500	0415	34974	2777					14924											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS SQUARE	STATION TIME (GMT)					YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		DEPTH CODES	NDOC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
31	8007	EV	44090N	042250W	149	42	11	09	024	1966		074	4755	15	22	3	2		X2	0	3			0088		
						WATER		WIND		BARD- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						OT	SD	22	S20		125	194					183	6	29							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PD ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₂ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₄ -Si μg - ml/l	pH	S C									
		STD	0000	1866	3585	2577	0022333	0000	15194																	
024		OBS	0000	1866	35845	2577			15194																	
		STD	0010	1867	3565	2577	0022355	0022	15196																	
		OBS	0010	1867	35850	2577			15196																	
		STD	0020	1867	3585	2577	0022390	0045	15198																	
002		OBS	0020	1867	35850	2577			15198																	
		STD	0030	1867	3585	2577	0022425	0067	15199																	
		OBS	0030	1867	35850	2577			15199																	
		STD	0050	1864	3585	2578	0022423	0112	15202																	
		OBS	0050	1864	35850	2578			15202																	
		OBS	0065	1864	35850	2578			15204																	
		STD	0075	1862	3615	2601	0020323	0165	15209																	
		OBS	0075	1862	36145	2601			15209																	
		STD	0100	1808	3646	2638	0016869	0212	15201																	
		OBS	0100	1808	36455	2638			15201																	
		OBS	0106	1790	36565	2651			15198																	
		OBS	0110	1801	36500	2644			15201																	
		STD	0125	1795	3652	2646	0016213	0253	15202																	
		OBS	0125	1795	36515	2646			15202																	
		STD	0150	1775	3652	2651	0015826	0293	15200																	
		OBS	0150	1775	36515	2651			15200																	
		STD	0200	1725	3643	2656	0015479	0372	15193																	
		OBS	0200	1725	36425	2656			15193																	
		STD	0250	1693	3637	2660	0015306	0449	15191																	
		STD	0300	1641	3629	2666	0014863	0524	15183																	
		OBS	0300	1641	36290	2666			15183																	
		STD	0400	1479	3603	2683	0013496	0666	15146																	
		OBS	0400	1479	36030	2683			15146																	
		OBS	0470	1419	35915	2687			15136																	
		STD	0500	1356	3582	2693	0012739	0797	15120																	
		OBS	0500	1356	35820	2693			15120																	
		OBS	0570	1316	35755	2696			15117																	
		STD	0600	1259	3566	2700	0012259	0922	15102																	
		OBS	0600	1259	35655	2700			15102																	
		STD	0700	1021	3531	2717	0010593	1036	15030																	
		OBS	0700	1021	35305	2717			15030																	
		STD	0800	0820	3512	2735	0008793	1133	14970																	
		OBS	0800	0820	35115	2735			14970																	
		STD	0900	0600	3491	2750	0007191	1213	14898																	
		OBS	0900	0600	34905	2750			14898																	
		STD	1000	0528	3495	2762	0006035	1279	14886																	
		OBS	1000	0528	34945	2762			14886																	
		STD	1100	0505	3499	2768	0005548	1337	14894																	
		OBS	1100	0505	34985	2768			14894																	
		OBS	1150	0479	34985	2771			14892																	
		STD	1200	0479	3499	2771	0005311	1391	14900																	
		OBS	1200	0479	34985	2771			14900																	
		STD	1300	0456	3499	2774	0005109	1443	14907																	
		OBS	1300	0456	34985	2774			14907																	
		STD	1400	0448	3500	2775	0005030	1494	14921																	
		OBS	1400	0448	34995	2775			14921																	
		STD	1500	0430	3499	2776	0004959	1544	14930																	
		OBS	1500	0430	34985	2776			14930																	

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DATE INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	43170N	041500W		149	31	11	09	090	1966		075	4755	15	1	2	2		X2	0	3	0089
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB		WET BULB											
						DT	SO	21	505	135		194		183		7		26					
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANDALYT-810°		Σ Δ D DYN. M. x 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - dl/l	TOTAL-P μg - dl/l	NO ₂ -N μg - dl/l	NO ₃ -N μg - dl/l	SIO ₄ -Si μg - dl/l	pH	S C			
		STD	0000	1765	3522	2554		0024524		0000		15157											
	090	OBS	0000	1765	35215	2554						15157											
		STD	0010	1767	3522	2554		0024567		0025		15160											
		OBS	0010	1767	35220	2554						15160											
	002	STD	0020	1767	3523	2554		0024564		0049		15161											
		OBS	0020	1767	35225	2554						15161											
		STD	0030	1768	3523	2554		0024620		0074		15163											
		OBS	0030	1768	35225	2554						15163											
		STD	0050	1822	3601	2600		0020292		0119		15191											
		OBS	0050	1822	36005	2600						15191											
		OBS	0061	1739	35880	2611						15168											
		OBS	0068	1768	36055	2618						15179											
		STD	0075	1725	3606	2628		0017744		0166		15168											
		OBS	0075	1725	36055	2628						15168											
		STD	0100	1720	3625	2644		0016297		0209		15173											
		OBS	0100	1720	36250	2644						15173											
		STD	0125	1642	3619	2658		0015043		0248		15153											
		OBS	0125	1642	36190	2658						15153											
		STD	0150	1572	3606	2664		0014520		0285		15134											
		OBS	0150	1572	36060	2664						15134											
		STD	0200	1439	3587	2679		0013224		0354		15098											
		OBS	0200	1439	35870	2679						15098											
		STD	0250	1381	3584	2689		0012398		0418		15087											
		STD	0300	1336	3581	2696		0011888		0479		15080											
		OBS	0300	1336	35805	2696						15080											
		STD	0400	1284	3575	2702		0011568		0596		15078											
		OBS	0400	1284	35745	2702						15078											
		STD	0500	1107	3541	2710		0010952		0709		15029											
		OBS	0500	1107	35405	2710						15029											
		OBS	0550	1040	35345	2717						15013											
		STD	0600	0900	3513	2724		0009639		0812		14967											
		OBS	0600	0900	35125	2724						14967											
		STD	0700	0732	3507	2745		0007590		0898		14919											
		OBS	0700	0732	35070	2745						14919											
		STD	0800	0598	3503	2760		0006108		0966		14882											
		OBS	0800	0598	35030	2760						14882											
		STD	0900	0548	3502	2765		0005630		1025		14879											
		OBS	0900	0548	35020	2765						14879											
		STD	1000	0491	3500	2771		0005138		1079		14872											
		OBS	1000	0491	35000	2771						14872											
		STD	1100	0460	3501	2775		0004769		1128		14876											
		OBS	1100	0460	35010	2775						14876											
		STD	1200	0456	3501	2775		0004858		1177		14891											
		OBS	1200	0456	35005	2775						14891											
		STD	1300	0426	3498	2776		0004749		1225		14895											
		OBS	1300	0426	34980	2776						14895											
		STD	1400	0411	3498	2778		0004684		1272		14905											
		OBS	1400	0411	34975	2778						14905											
		STD	1500	0400	3497	2778		0004667		1319		14917											
		OBS	1500	0400	34970	2778						14917											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' 1/10	LONGITUDE ° ' 1/10	DRIFT INDIC	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
318007		EV	43260N	042300W		149	32	11	09	124	1966		076	4755	15	12	2	2		X2	013		0090
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE			DRY BULB	WET BULB										
						DT	SD	32	S05	139	194	178	7	29									
MESSNGR TIME HR 1/10	CST NO.	CARGO TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-Σ107		Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	Σ C				
		STD	0000	1759	3544	2573		0022748		0000	15158												
124		OBS	0000	1759	35440	2573					15158												
		STD	0010	1760	3544	2573		0022805		0023	15160												
		OBS	0010	1760	35440	2573					15160												
		STD	0020	1801	3567	2580		0022125		0045	15177												
002		OBS	0020	1801	35670	2580					15177												
		STD	0030	1766	3556	2580		0022175		0067	15167												
		OBS	0030	1766	35555	2580					15167												
		OBS	0040	1641	35425	2600					15129												
		STD	0050	1720	3582	2611		0019290		0109	15159												
		OBS	0050	1720	35815	2611					15159												
		OBS	0060	1668	35670	2612					15144												
		OBS	0067	1772	36245	2631					15183												
		STD	0075	1722	3606	2629		0017675		0155	15167												
		OBS	0075	1722	36055	2629					15167												
		STD	0100	1625	3608	2653		0015419		0196	15142												
		OBS	0100	1625	36075	2653					15142												
		STD	0125	1561	3604	2665		0014347		0234	15126												
		OBS	0125	1561	36040	2665					15126												
		STD	0150	1508	3598	2673		0013722		0269	15113												
		OBS	0150	1508	35980	2673					15113												
		STD	0200	1433	3590	2683		0012918		0335	15096												
		OBS	0200	1433	35895	2683					15096												
		STD	0250	1363	3579	2689		0012399		0399	15080												
		STD	0300	1299	3569	2695		0011994		0460	15066												
		OBS	0300	1299	35690	2695					15066												
		STD	0400	1188	3553	2704		0011292		0576	15043												
		OBS	0400	1188	35530	2704					15043												
		OBS	0430	1148	35475	2707					15033												
		OBS	0440	1169	35555	2710					15043												
		STD	0500	1067	3538	2715		0010452		0685	15015												
		OBS	0500	1067	35375	2715					15015												
		STD	0600	0920	3520	2726		0009455		0784	14976												
		OBS	0600	0920	35195	2726					14976												
		STD	0700	0695	3497	2742		0007779		0870	14903												
		OBS	0700	0695	34970	2742					14903												
		OBS	0760	0606	34955	2753					14878												
		STD	0800	0599	3499	2756		0006453		0942	14882												
		OBS	0800	0599	34985	2756					14882												
		STD	0900	0541	3501	2766		0005609		1002	14876												
		OBS	0900	0541	35010	2766					14876												
		STD	1000	0496	3499	2769		0005314		1057	14874												
		OBS	1000	0496	34985	2769					14874												
		STD	1100	0459	3498	2772		0005013		1108	14875												
		OBS	1100	0459	34975	2772					14875												
		STD	1200	0440	3498	2774		0004869		1158	14884												
		OBS	1200	0440	34975	2774					14884												
		STD	1300	0419	3497	2776		0004731		1206	14892												
		OBS	1300	0419	34970	2776					14892												
		STD	1400	0399	3497	2778		0004564		1252	14900												
		OBS	1400	0399	34970	2778					14900												
		STD	1500	0389	3496	2778		0004632		1298	14913												
		OBS	1500	0389	34955	2778					14913												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DIRT INDIC	MARSON SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
318007	EV		43220N	043100W		149	33	11	09	151	1966		077		4755	15	34	3	2		X2	0	3		0091
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB													
						OT	S0	34	S15		132	178													161
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S CODE							
		STO	0000	1859	3585	2579	0022128		0000	15192															
151		OBS	0000	1859	35850	2579				15192															
		STO	0010	1859	3585	2579	0022163		0022	15194															
		OBS	0010	1859	35850	2579				15194															
		STO	0020	1859	3585	2579	0022198		0044	15195															
002		OBS	0020	1859	35850	2579				15195															
		STO	0030	1859	3585	2579	0022233		0067	15197															
		OBS	0030	1859	35850	2579				15197															
		OBS	0045	1859	35850	2579				15199															
		STO	0050	1822	3587	2590	0021272		0110	15190															
		OBS	0050	1822	35870	2590				15190															
		STO	0075	1792	3581	2593	0021083		0163	15185															
		OBS	0075	1792	35810	2593				15185															
		STO	0100	1845	3633	2619	0018660		0213	15210															
		OBS	0100	1845	36330	2619				15210															
		STO	0125	1761	3638	2644	0016427		0457	15191															
		OBS	0125	1761	36375	2644				15191															
		STO	0150	1735	3643	2654	0015543		0496	15188															
		OBS	0150	1735	36425	2654				15188															
		STO	0200	1669	3634	2663	0014809		0372	15175															
		OBS	0200	1669	36340	2663				15175															
		STO	0250	1547	3611	2674	0013925		0444	15143															
		STO	0300	1457	3596	2682	0013277		0512	15121															
		OBS	0300	1457	35955	2682				15121															
		STO	0400	1372	3589	2695	0012277		0640	15109															
		OBS	0400	1372	35890	2695				15109															
		OBS	0470	1291	35755	2701				15092															
		OBS	0480	1307	35800	2702				15100															
		STO	0500	1300	3580	2703	0011790		0760	15101															
		OBS	0500	1300	35795	2703				15101															
		OBS	0520	1283	35780	2705				15098															
		STO	0600	1041	3536	2718	0010362		0871	15022															
		OBS	0600	1041	35355	2718				15022															
		STO	0700	0860	3516	2732	0008959		0968	14969															
		OBS	0700	0860	35155	2732				14969															
		STO	0800	0720	3509	2748	0007462		1050	14931															
		OBS	0800	0720	35085	2748				14931															
		STO	0900	0580	3509	2767	0005552		1115	14892															
		OBS	0900	0580	35090	2767				14892															
		STO	1000	0524	3512	2776	0004731		1166	14887															
		OBS	1000	0524	35115	2776				14887															
		STO	1100	0492	3514	2781	0004272		1211	14891															
		OBS	1100	0492	35135	2781				14891															
		STO	1200	0471	3513	2783	0004139		1253	14899															
		OBS	1200	0471	35130	2783				14899															
		STO	1300	0448	3512	2785	0004049		1294	14906															
		OBS	1300	0448	35115	2785				14906															
		STO	1400	0419	3510	2786	0003910		1334	14910															
		OBS	1400	0419	35095	2786				14910															
		STO	1500	0407	3510	2788	0003846		1373	14922															
		OBS	1500	0407	35095	2788				14922															

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSSEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	WAL DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR.1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT
318007		EV	43350N	043380W		149	33	11	09	186	1966		078	4755	15	34	6	4		X2	0	3	0092
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIL CODE	ND. DBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB												
						DT	SO	34	525	149	161	144	7										
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SIO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C					
		STD	0000	1892	3596	2579	0022127		0000	15203													
186		OBS	0000	1892	35960	2579				15203													
		STD	0010	1893	3596	2579	0022187		0022	15205													
		OBS	0010	1893	35960	2579				15205													
		STD	0020	1894	3598	2580	0022138		0044	15207													
002		OBS	0020	1894	35975	2580				15207													
		STD	0030	1894	3601	2583	0021919		0066	15209													
		OBS	0030	1894	36010	2583				15209													
		STD	0050	1873	3603	2589	0021371		0110	15206													
		OBS	0050	1873	36025	2589				15206													
		STD	0075	1869	3605	2592	0021217		0163	15209													
		OBS	0075	1869	36045	2592				15209													
		STD	0100	1826	3615	2611	0019509		0214	15203													
		OBS	0100	1826	36150	2611				15203													
		OBS	0105	1805	36410	2636				15200													
		OBS	0115	1821	36480	2637				15208													
		STD	0125	1801	3649	2642	0016572		0259	15203													
		OBS	0125	1801	36485	2642				15203													
		STD	0150	1779	3650	2649	0016065		0300	15201													
		OBS	0150	1779	36495	2649				15201													
		STD	0200	1703	3641	2660	0015116		0378	15186													
		OBS	0200	1703	36405	2660				15186													
		STD	0250	1660	3635	2666	0014696		0452	15181													
		OBS	0260	1640	36315	2668				15176													
		STD	0300	1523	3606	2675	0013958		0524	15143													
		OBS	0300	1523	36055	2675				15143													
		OBS	0340	1421	35865	2683				15115													
		STD	0400	1383	3592	2695	0012320		0655	15113													
		OBS	0400	1383	35915	2695				15113													
		OBS	0465	1289	35705	2698				15090													
		OBS	0476	1308	35785	2700				15099													
		STD	0500	1156	3538	2698	0012073		0777	15046													
		OBS	0500	1156	35375	2698				15046													
		OBS	0560	0990	35220	2716				14995													
		OBS	0580	1006	35275	2718				15005													
		STD	0600	0907	3510	2720	0009973		0887	14969													
		OBS	0600	0907	35095	2720				14969													
		OBS	0620	0841	35055	2727				14947													
		OBS	0677	0823	35110	2735				14951													
		OBS	0690	0707	34930	2737				14906													
		STD	0700	0718	3498	2739	0008080		0978	14912													
		OBS	0700	0718	34975	2739				14912													
		OBS	0765	0746	35250	2757				14938													
		OBS	0785	0689	35150	2757				14917													
		STD	0800	0702	3516	2756	0006679		1051	14925													
		OBS	0800	0702	35155	2756				14925													
		STD	0900	0545	3502	2766	0005590		1113	14877													
		OBS	0900	0545	35020	2766				14877													
		STD	1000	0494	3499	2769	0005288		1167	14873													
		OBS	1000	0494	34985	2769				14873													
		STD	1100	0479	3502	2773	0004981		1219	14884													
		OBS	1100	0479	35015	2773				14884													
		STD	1200	0456	3500	2774	0004932		1268	14891													
		OBS	1200	0456	34995	2774				14891													
		STD	1300	0439	3499	2776	0004846		1317	14900													
		OBS	1300	0439	34990	2776				14900													
		STD	1400	0420	3499	2777	0004729		1365	14909													
		OBS	1400	0420	34985	2777				14909													
		STD	1500	0401	3498	2779	0004644		1412	14918													
		OBS	1500	0401	34975	2779				14918													

TABLE IV.—Continued

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	UNITS INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
						10"	1"	MO	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT		
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)		DRY BULB	WET BULB			VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
318007		EV	43450N	044260W		149	34	11	09	221	1966		079		4755	15	02	5	3		X2	03		0093

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT METER	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CTRY CODE	ID. ND.					10"	1"	MO	DAY		HR, 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
31	8007	EV	43530N	045080W		149	35	11	10	024	1966	080	4641	15	01	3	4	X2	0	3	0094
						WATER		WIND		BARO- METER (mb)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						DT	SD	34	525	193	133	117	5	29							
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t^{20}		$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SI O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C/C			
		STD	0000	1587	3413	2512	0028489		0000	15090											
	024	OBS	0000	1587	34125	2512				15090											
		STD	0010	1591	3412	2511	0028641		0029	15093											
		OBS	0010	1591	34120	2511				15093											
	002	STD	0020	1591	3412	2511	0028671		0057	15095											
		OBS	0020	1591	34120	2511				15095											
		OBS	0025	1596	34120	2510				15097											
		STD	0030	1601	3415	2511	0028735		0086	15100											
		OBS	0030	1601	34145	2511				15100											
		OBS	0044	1719	34755	2530				15145											
		STD	0050	1660	3485	2551	0024991		0140	15130											
		OBS	0050	1660	34845	2551				15130											
		STD	0075	1280	3522	2662	0014459		0189	15017											
		OBS	0075	1280	35220	2662				15017											
		OBS	0082	1193	35075	2668				14987											
		STD	0100	1285	3549	2682	0012679		0223	15026											
		OBS	0100	1285	35485	2682				15026											
		OBS	0110	1299	35525	2682				15033											
		STD	0125	1245	3548	2689	0012022		0254	15017											
		OBS	0125	1245	35480	2689				15017											
		STD	0150	1204	3545	2695	0011577		0483	15006											
		OBS	0150	1204	35445	2695				15006											
		STD	0200	1120	3536	2703	0010836		0339	14984											
		OBS	0200	1120	35355	2703				14984											
		STD	0250	1031	3529	2714	0009879		0391	14960											
		STD	0300	0945	3522	2724	0009067		0438	14936											
		OBS	0300	0945	35220	2724				14936											
		STD	0400	0786	3508	2738	0007810		0523	14891											
		OBS	0400	0786	35080	2738				14891											
		OBS	0470	0709	35120	2752				14873											
		STD	0500	0635	3504	2756	0006152		0593	14848											
		OBS	0500	0635	35035	2756				14848											
		OBS	0515	0589	34985	2758				14831											
		STD	0600	0553	3500	2763	0005462		0651	14831											
		OBS	0600	0553	35000	2763				14831											
		STD	0700	0509	3500	2769	0005022		0703	14829											
		OBS	0700	0509	35000	2769				14829											
		STD	0800	0473	3500	2773	0004684		0752	14831											
		OBS	0800	0473	35000	2773				14831											
		STD	0900	0455	3501	2775	0004530		0798	14840											
		OBS	0900	0455	35005	2775				14840											
		STD	1000	0440	3501	2777	0004446		0843	14851											
		OBS	1000	0440	35005	2777				14851											
		STD	1100	0421	3499	2778	0004417		0887	14859											
		OBS	1100	0421	34990	2778				14859											
		STD	1200	0410	3499	2779	0004373		0931	14872											
		OBS	1200	0410	34990	2779				14872											
		STD	1300	0387	3499	2781	0004210		0974	14879											
		OBS	1300	0387	34985	2781				14879											
		STD	1400	0380	3499	2782	0004209		1016	14892											
		OBS	1400	0380	34985	2782				14892											
		STD	1500	0378	3499	2782	0004269		1058	14908											
		OBS	1500	0378	34985	2782				14908											

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DEPTH	MARSDEN		STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE				WEA-	CLOUD		NODC		
CTRY	ID.	CODE	° 1/10	° 1/10	INCHES	10'	1'	MO	DAY	HR. 1/10		CRUISE	STATION	TO	OF	DIR	HGT	PER	SEA	THW	TYPE	AMT	STATION		
CODE	NO.											NO.	NUMBER	BOTTOM	SAMPLES					CODE			NUMBER		
318007	EV		44000N	045500W		149	45	11	10	056	1966		081		4389	14	34	5	2		X2	0	3	0095	
						WATER		WIND		AIR TEMP. °C		BARO-		NO. OBS.		SPECIAL									
						COLOR	TRANS.	DIR.	SPEED	DRY		WET		VIS.	DEPTHS	OBSERVATIONS									
						CODE	(m)		OR FORCE	BULB		BULB		CODE											
						DT	SD	01	525	227		122		106		8		37							
MESSAGE	TIME	CAST	CARD	DEPTH	T	S	SIGMA-T		SPECIFIC VOLUME		Σ Δ ρ	SOUND	O ₂	PO ₄ -P	TOTAL-P	NO ₃ -N	NO ₂ -N	SiO ₄ -Si	pH						
HR	1/10	NO.	TYPE	(m)	°C	‰				ANOMALY-10 ³	DYN. M. x 10 ³	VELOCITY	ml/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l							
			STD	0000	1468	3374	2509		0028809		0000	15048													
056			OBS	0000	1468	33740	2509					15048													
			STD	0010	1469	3374	2509		0028857		0029	15050													
			OBS	0010	1469	33740	2509					15050													
			STD	0020	1469	3374	2509		0028885		0058	15052													
002			OBS	0020	1469	33740	2509					15052													
			OBS	0025	1469	33740	2509					15053													
			STD	0030	1469	3374	2509		0028913		0087	15053													
			OBS	0030	1469	33740	2509					15053													
			OBS	0039	1509	34140	2531					15073													
			OBS	0046	1400	33800	2528					15034													
			OBS	0049	1508	34750	2578					15081													
			STD	0050	1489	3495	2598		0020536		0136	15078													
			OBS	0050	1489	34950	2598					15078													
			OBS	0052	1421	3430P	2562P																		
			OBS	0055	1535P	3565P	2641P																		
			OBS	0058	1334	3410P	2565P																		
			OBS	0066	1164	3429P	2613P																		
			OBS	0068	1189	3500P	2663P																		
			OBS	0072	1101	3460P	2648P																		
			STD	0075	1144	3512	2681		0012686		0178	14969													
			OBS	0075	1144	35120	2681					14969													
			OBS	0080	1128	34950	2670					14962													
			STD	0100	1254	3539	2680		0012822		0209	15014													
			OBS	0100	1254	35385	2680					15014													
			OBS	0106	1251	35350	2678					15014													
			OBS	0114	1167	35125	2677					14984													
			STD	0125	1250	3553	2692		0011750		0240	15019													
			OBS	0125	1250	35530	2692					15019													
			STD	0150	1215	3546	2694		0011671		0269	15010													
			OBS	0150	1215	35460	2694					15010													
			STD	0200	1122	3536	2703		0010872		0326	14985													
			OBS	0200	1122	35355	2703					14985													
			STD	0250	1052	3528	2710		0010312		0379	14967													
			STD	0300	0959	3521	2720		0009407		0428	14941													
			OBS	0300	0959	35205	2720					14941													
			STD	0400	0701	3502	2745		0007021		0510	14857													
			OBS	0400	0701	35020	2745					14857													
			OBS	0418	0669	34970	2746					14847													
			OBS	0429	0700	35105	2752					14862													
			STD	0500	0601	3503	2760		0005733		0574	14834													
			OBS	0500	0601	35030	2760					14834													
			STD	0600	0539	3504	2768		0004986		0628	14826													
			OBS	0600	0539	35040	2768					14826													
			STD	0700	0498	3503	2772		0004662		0676	14825													
			OBS	0700	0498	35030	2772					14825													
			STD	0800	0467	3503	2776		0004387		0721	14829													
			OBS	0800	0467	35030	2776					14829													
			STD	0900	0443	3503	2779		0004195		0764	14836													
			OBS	0900	0443	35030	2779					14836													
			STD	1000	0425	3503	2780		0004073		0805	14845													
			OBS	1000	0425	35030	2780					14845													
			STD	1100	0406	3502	2781		0004045		0846	14853													
			OBS	1100	0406	35015	2781					14853													
			STD	1200	0409	3503	2782		0004066		0886	14872													
			OBS	1200	0409	35030	2782					14872													
			STD	1300	0398	3503	2783		0004056		0927	14884													
			OBS	1300	0398	35025	2783					14884													
			STD	1400	0392	3503	2784		0004070		0968	14898													
			OBS	1400	0392	35025	2784					14898													

TABLE IV.—Continued

REFERENCE		SNIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCH	MARDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S	DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES	NODC STATION NUMBER			
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10				DIR.	HGT	PER	SEA		TPTL	AMT		
318007	EV		44090N	046310W		149	46	11	10	097	1966		082	3931	15	02	2	2		X2	013	0096
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB										
						DT	SD	04	S20	254	094	078	7	37								
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{dl/l}$	TOTAL-P $\mu\text{g} - \text{dl/l}$	NO ₂ -N $\mu\text{g} - \text{dl/l}$	NO ₃ -N $\mu\text{g} - \text{dl/l}$	SIO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH					
		STD	0000	1360	3343	2508	0028932		0000	15009												
097		OBS	0000	1360	33430	2508				15009												
		STD	0010	1360	3342	2507	0029031		0029	15011												
		OBS	0010	1360	33420	2507				15011												
		STD	0020	1360	3343	2507	0029020		0058	15012												
002		OBS	0020	1360	33425	2507				15012												
		OBS	0025	1451	33655	2506				15046												
		STD	0030	1473	3390	2520	0027860		0086	15057												
		OBS	0030	1473	33895	2520				15057												
		OBS	0033	1493	34105	2532				15066												
		STD	0050	1160	3404	2593	0020895		0135	14957												
		OBS	0050	1160	34035	2593				14957												
		OBS	0061	0823	34020	2649				14835												
		OBS	0066	1073	35040	2687				14941												
		OBS	0071	1027	34945	2688				14925												
		STD	0075	1110	3514	2689	0011939		0176	14957												
		OBS	0075	1110	35140	2689				14957												
		OBS	0079	1024	34945	2689				14925												
		STD	0100	1147	3535	2698	0011110		0205	14977												
		OBS	0100	1147	35350	2698				14977												
		OBS	0108	1169	35365	2695				14986												
		STD	0125	1113	3526	2697	0011229		0233	14968												
		OBS	0125	1113	35260	2697				14968												
		STD	0150	1027	3513	2702	0010800		0461	14940												
		OBS	0150	1027	35125	2702				14940												
		OBS	0161	0992	35115	2707				14929												
		OBS	0180	1070	35265	2705				14962												
		STD	0200	0906	3504	2716	0009564		0311	14903												
		OBS	0200	0906	35040	2716				14903												
		STD	0250	0809	3507	2733	0007984		0355	14874												
		OBS	0260	0789	35070	2737				14869												
		OBS	0270	0812	35130	2738				14880												
		STD	0300	0780	3511	2741	0007358		0394	14872												
		OBS	0300	0780	35105	2741				14872												
		STD	0400	0631	3506	2758	0005803		0459	14830												
		OBS	0400	0631	35055	2758				14830												
		OBS	0450	0570	35040	2764				14813												
		STD	0500	0566	3506	2766	0005091		0514	14820												
		OBS	0500	0566	35055	2766				14820												
		STD	0600	0496	3505	2774	0004371		0561	14808												
		OBS	0600	0496	35050	2774				14808												
		OBS	0640	0495	35045	2774				14814												
		OBS	0650	0517	35115	2777				14826												
		STD	0700	0490	3505	2775	0004413		0605	14822												
		OBS	0700	0490	35050	2775				14822												
		STD	0800	0450	3505	2779	0004029		0647	14822												
		OBS	0800	0450	35050	2779				14822												
		STD	0900	0427	3505	2781	0003887		0687	14829												
		OBS	0900	0427	35045	2781				14829												
		STD	1000	0410	3501	2781	0004036		0727	14838												
		OBS	1000	0410	3504P	2783P																
		STD	1100	0411	3498	2778	0004365		0769	14855												
		OBS	1100	0411	3504P	2783P																
		STD	1200	0378	3497	2780	0004156		0811	14858												
		OBS	1200	0378	34965	2780				14858												
		STD	1300	0376	3497	2780	0004218		0853	14874												
		OBS	1300	0376	34965	2780				14874												
		STD	1400	0372	3497	2781	0004216		0895	14889												
		OBS	1400	0372	34970	2781				14889												
		OBS	1480	0368	34965	2781				14901												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
318007	EV		4416 N	04712 W		149	47	11	13	142	1966		083	4023	15	35	2	2		X1	6	7	0097	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbs)		DRY BULB	WET BULB											
								33	515	274	100	078	7	14										
MESSNGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S CD					
		STD	0000	1314	3343	2517		0028064		0000	14994													
142		OBS	0000	1314	33428	2517					14994													
		STD	0010	1316	3344	2517		0028068		0028	14996													
142		OBS	0010	1316	33436	2517					14996													
		STD	0020	1249	3393	2568		0023207		0054	14981													
142		OBS	0026	15090	34131	25300																		
		STD	0030	1184	3413	2597		0020547		0076	14963													
		STD	0050	1055	3415	2621		0018245		0114	14921													
142		OBS	0051	1049	34150	2622					14919													
		STD	0075	0871	3438	2670		0013664		0154	14860													
		STD	0100	0744	3456	2703		0010541		0185	14818													
142		OBS	0103	0733	34582	2706					14815													
		STD	0125	0705	3466	2716		0009306		0209	14809													
		STD	0150	0675	3473	2726		0008424		0231	14802													
142		OBS	0153	0672	34742	2727					14801													
		STD	0200	0630	3482	2739		0007242		0271	14793													
142		OBS	0205	06020	34826	27430																		
		STD	0250	0591	3488	2749		0006370		0305	14787													
		STD	0300	0555	3493	2758		0005617		0335	14781													
142		OBS	0308	0550	34934	2758					14780													
		STD	0400	0498	3494	2765		0004991		0388	14774													
142		OBS	T0437	0482	34940	2767					14774													
		STD	0500	0466	3494	2769		0004704		0436	14778													
		STD	0600	0446	3494	2771		0004554		0482	14786													
142		OBS	T0615	0443	34944	2772					14787													
		STD	0700	0434	3495	2773		0004472		0528	14798													
		STD	0800	0422	3495	2774		0004430		0572	14809													
142		OBS	0820	0419	34954	2775					14811													
		STD	0900	0402	3494	2776		0004346		0616	14817													
		STD	1000	0387	3493	2776		0004376		0660	14828													
142		OBS	T1026	0384	34922	2776					14831													
		STD	1100	0381	3492	2777		0004407		0704	14842													
		STD	1200	0377	3493	2777		0004431		0748	14857													
142		OBS	1232	0376	34927	2777					14862													
		STD	1300	0374	3493	2778		0004450		0792	14872													
		STD	1400	0371	3493	2778		0004497		0837	14888													
		STD	1500	0368	3493	2779		0004542		0882	14904													
142		OBS	T1540	0367	34930	2779					14910													

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S			DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO		DAY	HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE
318007	EV	44200N	047320W	149	47	11	10	167	1966		084		3840	15	35	3	3		X1	0	3	0098
				WATER		WIND		AIR TEMP. °C			NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB				VIS. CODE								
				DT	SD	35	S08	274	122	094	7	29										
MESSAGE TIME HR 1/10	CAS T NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C					
		STD	0000	1382	3358	2515	0028260	0000	15018													
167		OBS	0000	1382	33580	2515			15018													
		STD	0010	1382	3358	2515	0028286	0028	15020													
		OBS	0010	1382	33580	2515			15020													
		STD	0020	1382	3358	2515	0028313	0057	15022													
002		OBS	0020	1382	33580	2515			15022													
		OBS	0025	1383	33585	2515			15023													
		STD	0030	1383	3359	2515	0028322	0085	15024													
		OBS	0030	1383	33585	2515			15024													
		OBS	0040	1385	33590	2515			15026													
		STD	0050	1155	3358	2559	0024195	0137	14949													
		OBS	0050	1155	33575	2559			14949													
		OBS	0068	0651	34195	2687			14772													
		STD	0075	0700	3448	2703	0010499	0181	14796													
		OBS	0075	0700	34480	2703			14796													
		STD	0100	0688	3469	2721	0008816	0205	14798													
		OBS	0100	0688	34690	2721			14798													
		STD	0125	0694	3484	2732	0007857	0226	14807													
		OBS	0125	0694	34835	2732			14807													
		OBS	0130	0707	34870	2733			14813													
		STD	0150	0684	3491	2739	0007242	0245	14808													
		OBS	0150	0684	34905	2739			14808													
		OBS	0180	0639	34880	2743			14794													
		OBS	0189	0663	34990	2748			14807													
		STD	0200	0620	3491	2748	0006444	0279	14790													
		OBS	0200	0620	34910	2748			14790													
		STD	0250	0584	3494	2755	0005835	0310	14785													
		STD	0300	0548	3496	2760	0005345	0337	14779													
		OBS	0300	0548	34955	2760			14779													
		STD	0400	0474	3494	2768	0004731	0388	14764													
		OBS	0400	0474	34935	2768			14764													
		STD	0500	0456	3496	2771	0004483	0434	14774													
		OBS	0500	0456	34955	2771			14774													
		STD	0600	0450	3500	2775	0004223	0477	14788													
		OBS	0600	0450	34995	2775			14788													
		STD	0700	0437	3501	2777	0004100	0519	14800													
		OBS	0700	0437	35005	2777			14800													
		STD	0800	0423	3500	2778	0004071	0560	14810													
		OBS	0800	0423	35000	2778			14810													
		STD	0900	0409	3500	2780	0004001	0600	14821													
		OBS	0900	0409	35000	2780			14821													
		STD	1000	0396	3499	2780	0004012	0640	14832													
		OBS	1000	0396	34990	2780			14832													
		STD	1100	0391	3499	2781	0004065	0681	14847													
		OBS	1100	0391	34987	2781			14847													
		STD	1200	0378	3498	2781	0004061	0721	14858													
		OBS	1200	0378	34978	2781			14858													
		STD	1300	0373	3498	2782	0004107	0762	14873													
		OBS	1300	0373	34975	2782			14873													
		STD	1400	0368	3498	2782	0004114	0803	14887													
		OBS	1400	0368	34977	2782			14887													
		STD	1500	0367	3498	2783	0004149	0845	14904													
		OBS	1500	0367	34982	2783			14904													

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	MARSDEN	STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE				WEA-	CLOUD	NODC			
CTRY	ID.	CODE	° 1/10	° 1/10	INDIC	10"	1"	MO	DAY	HR.1/10	CRUISE	STATION	NO.	NO.	DIR.	HGT	PER	SEA	CODE	TYPE	AMT	STATION	
31	8007	EV	44230N	047540W		149	47	11	10	185	1966	085		3592	15	35	2	2		X1	0	3	0099
						WATER		WIND		AIR TEMP. °C		BARO-		NO. OBS.		SPECIAL							
						COLOR	TRANS.	DIR.	SPEED	BARO-	DRY	WET	VIS.	NO. OBS.	SPECIAL								
						CODE	IN		OR	METER	BULB	BULB	CODE	DEPTHS	OBSERVATIONS								
						DT	SD	35	506	295	122	092	7	31									
MESSNGR	TIME	CAST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME		Σ Δ	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SI O ₄ -Si	pH	S			
HR 1/10		NO.	TYPE							ANOMALY-10 ³	DYN. M. x 10 ³	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C			
			STD	0000	1400	3357	2510		0028725		0000	15024											
185			OBS	0000	1400	33565	2510					15024											
			STD	0010	1400	3356	2510		0028788		0029	15026											
			OBS	0010	1400	33560	2510					15026											
			STD	0020	1400	3356	2510		0028814		0058	15027											
002			OBS	0020	1400	33560	2510					15027											
			OBS	0025	1402	33575	2510					15029											
			STD	0030	1447	3371	2511		0028721		0086	15046											
			OBS	0030	1447	33705	2511					15046											
			OBS	0040	1724	35205	2563					15152											
			STD	0050	0919	3409	2640		0016488		0132	14871											
			OBS	0058	0645	33200	2610					14755											
			OBS	0064	0655	34500	2711					14777											
			OBS	0067	0655	34500	2711					14777											
			STD	0075	0696	3460	2713		0009553		0164	14796											
			OBS	0075	0696	34600	2713					14796											
			OBS	0080	0718	34675	2716					14806											
			STD	0100	0695	3470	2721		0008872		0187	14801											
			OBS	0100	0695	34695	2721					14801											
			STD	0125	0724	3481	2725		0008486		0209	14818											
			OBS	0125	0724	34805	2725					14818											
			STD	0150	0741	3493	2732		0007872		0229	14830											
			OBS	0150	0741	34925	2732					14830											
			OBS	0161	0688	34830	2732					14810											
			OBS	0199	0674	35035	2750					14813											
			STD	0200	0650	3486	2739		0007241		0267	14802											
			OBS	0200	0650	34855	2739					14802											
			OBS	0240	0562	34855	2751					14773											
			STD	0250	0556	3487	2753		0006010		0300	14772											
			STD	0300	0529	3492	2760		0005375		0329	14770											
			OBS	0300	0529	34920	2760					14770											
			STD	0400	0482	3497	2769		0004579		0378	14768											
			OBS	0400	0482	34968	2769					14768											
			STD	0500	0455	3497	2773		0004337		0423	14774											
			OBS	0500	0455	34973	2773					14774											
			STD	0600	0453	3500	2775		0004206		0466	14790											
			OBS	0600	0453	35002	2775					14790											
			STD	0700	0431	3500	2777		0004065		0507	14797											
			OBS	0700	0431	35000	2777					14797											
			STD	0800	0412	3499	2778		0004036		0548	14806											
			OBS	0800	0412	34987	2778					14806											
			STD	0900	0403	3499	2779		0004025		0588	14819											
			OBS	0900	0403	34987	2779					14819											
			STD	1000	0399	3499	2780		0004041		0628	14834											
			OBS	1000	0399	34991	2780					14834											
			STD	1100	0376	3497	2781		0004022		0669	14840											
			OBS	1100	0376	34968	2781					14840											
			STD	1200	0374	3497	2781		0004092		0709	14856											
			OBS	1200	0374	34967	2781					14856											
			STD	1300	0370	3497	2782		0004091		0750	14871											
			OBS	1300	0370	34972	2782					14871											
			STD	1400	0369	3498	2782		0004127		0791	14888											
			OBS	1400	0369	34977	2782					14888											
			STD	1500	0362	3498	2783		0004135		0832	14902											
			OBS	1500	0362	34975	2783					14902											

TABLE IV.—Continued

REFERENCE CTRY CODE	IO. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DUTY ROCK	MARSOEN SQUARE		STATION TIME IGMT1			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)													
						DT	SD	33	S08	305	100	078	7	31									
318007	EV		44250N	048060W		149	48	11	10	197	1966		086	3475	15	33	2	3		X1	0	3	0100
MESSNGR TIME OF HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-X10 ³	Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	Si O ₄ -Si µg - at/l	pH	CO ₂						
		STD	0000	1360	3335	2502	0029519	0000	15008														
	197	OBS	0000	1360	33350	2502			15008														
		STD	0010	1360	3335	2502	0029545	0030	15010														
		OBS	0010	1360	33350	2502			15010														
	002	STD	0020	1363	3336	2501	0029592	0059	15012														
		OBS	0020	1363	33355	2501			15012														
		OBS	0025	1363	33355	2501			15013														
		STD	0030	1360	3336	2502	0029559	0089	15013														
		OBS	0030	1360	33355	2502			15013														
		STD	0050	0697	3372	2644	0016084	0134	14781														
		OBS	0054	0643	33855	2662			14762														
		STD	0075	0795	3485	2718	0009099	0166	14838														
		OBS	0075	0795	34845	2718			14838														
		OBS	0079	0765	34790	2718			14826														
		OBS	0088	0789	34830	2718			14837														
		STD	0100	0738	3476	2719	0009009	0188	14819														
		OBS	0100	0738	34755	2719			14819														
		OBS	0119	0588	34565	2725			14760														
		STD	0125	0642	3466	2725	0008477	0210	14784														
		OBS	0125	0642	34800	27360																	
		STD	0150	0722	3493	2735	0007609	0230	14825														
		OBS	0150	0722	34925	2735			14823														
		OBS	0165	0742	34980	2736			14834														
		OBS	0191	0624	34865	2744			14790														
		STD	0200	0654	3497	2747	0006476	0266	14805														
		OBS	0200	0654	34965	2747			14805														
		OBS	0220	0658	34990	2749			14810														
		STD	0250	0557	3488	2753	0005985	0297	14773														
		OBS	0250	0557	34875	2753			14773														
		STD	0300	0527	3490	2758	0005537	0326	14769														
		OBS	0300	0527	34895	2758			14769														
		STD	0400	0489	3497	2769	0004646	0376	14771														
		OBS	0400	0489	34970	2769			14771														
		STD	0500	0447	3496	2773	0004341	0421	14770														
		OBS	0500	0447	34960	2773			14770														
		STD	0600	0441	3499	2776	0004132	0464	14785														
		OBS	0600	0441	34993	2776			14785														
		STD	0700	0438	3501	2777	0004097	0505	14800														
		OBS	0700	0438	35007	2777			14800														
		STD	0800	0424	3501	2779	0004031	0546	14811														
		OBS	0800	0424	35007	2779			14811														
		STD	0900	0413	3501	2780	0004005	0586	14823														
		OBS	0900	0413	35006	2780			14823														
		STD	1000	0397	3500	2781	0003988	0626	14833														
		OBS	1000	0397	34995	2781			14833														
		STD	1100	0386	3498	2781	0004056	0666	14845														
		OBS	1100	0386	34980	2781			14845														
		STD	1200	0372	3497	2782	0004023	0706	14855														
		OBS	1200	0372	34973	2782			14855														
		STD	1300	0370	3497	2782	0004099	0747	14871														
		OBS	1300	0370	34971	2782			14871														
		STD	1400	0367	3498	2782	0004102	0788	14887														
		OBS	1400	0367	34977	2782			14887														
		STD	1500	0362	3498	2783	0004128	0829	14902														
		OBS	1500	0362	34976	2783			14902														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DEPTH METER	MARSSEN SQUARE		STATION TIME IGMT			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
318007	EV	44270N	048210W	149	48	11	10	214	1966	087	3240	15	03	2	4		X1	0	3		0101		
		WATER		WIND		BARO- METER		AIR TEMP. °C															
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
		DT	SD	34	S05	312	106	078	7	29													
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	$\Sigma \Delta$ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - ml/l	TOTAL-P µg - ml/l	NO ₃ -N µg - ml/l	NO ₃ -N µg - ml/l	SiO ₄ -Si µg - ml/l	pH	S C						
		STD	0000	1330	3340	2511	0028611	0000	14999														
214		OBS	0000	1330	33395	2511			14999														
		STD	0010	1331	3340	2511	0028655	0029	15001														
		OBS	0010	1331	33395	2511			15001														
		STD	0020	1331	3340	2511	0028681	0057	15002														
002		OBS	0020	1331	33395	2511			15002														
		OBS	0025	1331	33395	2511			15003														
		STD	0030	1317	3340	2514	0028439	0086	14999														
		OBS	0030	1317	33395	2514			14999														
		STD	0050	1086	3346	2562	0023889	0138	14923														
		OBS	0050	1086	33455	2562			14923														
		STD	0075	0820	3465	2699	0010945	0182	14845														
		OBS	0075	0820	34645	2699			14845														
		STD	0100	0755	3471	2713	0009616	0207	14824														
		OBS	0100	0755	34705	2713			14824														
		STD	0125	0712	3481	2727	0008323	0230	14813														
		OBS	0125	0712	34805	2727			14813														
		STD	0150	0614	3474	2735	0007599	0250	14778														
		OBS	0150	0614	34735	2735			14778														
		OBS	0160	0563	34655	2735			14758														
		OBS	0170	0608	34935	2751			14781														
		OBS	0190	0553	34850	2751			14761														
		STD	0200	0570	3488	2751	0006078	0284	14770														
		OBS	0200	0570	34875	2751			14770														
		STD	0250	0529	3486	2755	0005732	0313	14761														
		OBS	0264	0517	34860	2757			14759														
		OBS	0280	0539	34955	2761			14772														
		STD	0300	0521	3494	2762	0005130	0341	14767														
		OBS	0300	0521	34940	2762			14767														
		STD	0400	0489	3499	2770	0004468	0389	14771														
		OBS	0400	0489	34994	2770			14771														
		STD	0500	0457	3500	2774	0004167	0432	14775														
		OBS	0500	0457	34999	2774			14775														
		STD	0600	0438	3500	2776	0004082	0473	14783														
		OBS	0600	0438	34995	2776			14783														
		STD	0700	0429	3500	2778	0004019	0514	14796														
		OBS	0700	0429	35003	2778			14796														
		STD	0800	0412	3499	2779	0004007	0554	14806														
		OBS	0800	0412	34991	2779			14806														
		STD	0900	0399	3499	2780	0003985	0594	14817														
		OBS	0900	0399	34986	2780			14817														
		STD	1000	0393	3498	2780	0004050	0634	14831														
		OBS	1000	0393	34980	2780			14831														
		STD	1100	0386	3498	2781	0004048	0674	14845														
		OBS	1100	0386	34981	2781			14845														
		STD	1200	0377	3498	2781	0004063	0715	14858														
		OBS	1200	0377	34976	2781			14858														
		STD	1300	0370	3498	2782	0004062	0755	14871														
		OBS	1300	0370	34976	2782			14871														
		STD	1400	0367	3498	2782	0004116	0796	14887														
		OBS	1400	0367	34975	2782			14887														
		STD	1500	0367	3499	2783	0004119	0838	14904														
		OBS	1500	0367	34986	2783			14904														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	UNFL INCH	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
318007		EV	44300N	048360W		149	48	11	10	229	1966		088	2700	15	00	0			X0	0	3	0102			
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
						DT	SD	22	SO2		322	089					072	7	25							
MESSENGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta C$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - ml/l$	TOTAL-P $\mu g - ml/l$	NO ₂ -N $\mu g - ml/l$	NO ₃ -N $\mu g - ml/l$	SiO ₄ -Si $\mu g - ml/l$	pH									
		STD	0000	1148	3353	2556	0024327		0000	14938																
229		OBS	0000	1148	33525	2556				14938																
		STD	0010	1148	3352	2556	0024387		0024	14940																
		OBS	0010	1148	33520	2556				14940																
		STD	0020	1148	3352	2556	0024409		0049	14941																
002		OBS	0020	1148	33520	2556				14941																
		OBS	0025	1147	33520	2556				14942																
		STD	0030	1147	3352	2556	0024414		0073	14942																
		OBS	0030	1147	33520	2556				14942																
		STD	0050	1025	3352	2578	0022395		0120	14902																
		OBS	0050	1025	33520	2578				14902																
		STD	0075	0686	3421	2684	0012325		0163	14787																
		OBS	0075	0686	34210	2684				14787																
		OBS	0086	0736	34775	2721				14816																
		STD	0100	0671	3469	2723	0008629		0190	14791																
		OBS	0100	0671	34685	2723				14791																
		STD	0125	0602	3473	2735	0007488		0210	14769																
		OBS	0125	0602	34725	2735				14769																
		STD	0150	0575	3478	2743	0006818		0228	14762																
		OBS	0150	0575	34775	2743				14762																
		STD	0200	0538	3486	2754	0005841		0259	14757																
		OBS	0200	0538	34855	2754				14757																
		STD	0250	0507	3486	2757	0005537		0288	14752																
		STD	0300	0488	3485	2759	0005383		0315	14753																
		OBS	0300	0488	34854	2759				14753																
		STD	0400	0485	3501	2772	0004286		0363	14770																
		OBS	0400	0485	35012	2772				14770																
		STD	0500	0447	3498	2774	0004185		0406	14770																
		OBS	0500	0447	34981	2774				14770																
		STD	0600	0433	3499	2776	0004075		0447	14781																
		OBS	0600	0433	34988	2776				14781																
		STD	0700	0425	3500	2778	0004032		0488	14795																
		OBS	0700	0425	34995	2778				14795																
		STD	0800	0382	3494	2778	0004041		0528	14792																
		OBS	0800	0382	34939	2778				14792																
		STD	0900	0399	3498	2779	0004029		0568	14817																
		OBS	0900	0399	34980	2779				14817																
		STD	1000	0399	3499	2780	0004041		0609	14834																
		OBS	1000	0399	34991	2780				14834																
		STD	1100	0392	3499	2781	0004063		0649	14847																
		OBS	1100	0392	34989	2781				14847																
		STD	1200	0381	3499	2782	0004032		0690	14859																
		OBS	1200	0381	34987	2782				14859																
		STD	1300	0366	3497	2782	0004078		0730	14870																
		OBS	1300	0366	34967	2782				14870																
		STD	1400	0366	3497	2782	0004118		0771	14886																
		OBS	1400	0366	34973	2782				14886																
		STD	1500	0367	3499	2783	0004112		0812	14904																
		OBS	1500	0367	34987	2783				14904																

TABLE IV.—Continued

REFERENCE	CTRY CODE	IO. NO.	SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH IN METERS	MARS DEN SQUARE		STATION TIME IGMT1				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
							10"	1'	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
							COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mbst)	AIR TEMP. °C DRY RULB		WET RULB	VIS. CODE			NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
318007			EV	44330N	048510W		149	48	11	11	005	1966		089		1737	15	00				X1	03		0103

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT	MARSDEN	STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE				WEA-	CLOUD	NODC		
CTRY	ID.	CODE	" 1/10	" 1/10	INDIC	SQUARE	10'	1'	MO	DAY	HR. 1/10	CRUISE	STATION	TO	OF	DIR.	HGT	PER	SEA	CODE	TYPE	AMT	STATION
CODE	NO.											NO.	NUMBER	BOTTOM	S'NFL'S								NUMBER
318007	EV		44360N	049060W		149	49	11	11	026	1966		090	0710	06	00				X1	013		0104
		WATER		WIND		BARO-		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
		COLOR	TRANS.	DIR.	SPEED	METER		DRY		WET													
		CODE	(m)		OR	(mbs)			BULB	BULB													
		DT	SD	27	S07	318		094		072		7		20									
MESSAGE	CAST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME		Σ Δ θ		SOUND		O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH	S		
TIME OF	NO.	TYPE						ANOMALY-×10 ³		DYN. M. × 10 ³		VELOCITY			μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C		
HR 1/10																							
		STD	0000	0949	3338	2579		0022123		0000		14864											
026		OBS	0000	0949	33380	2579						14864											
		STD	0010	0872	3330	2585		0021610		0022		14836											
		OBS	0010	0872	33295	2585						14836											
		STD	0020	0733	3319	2597		0020501		0043		14783											
001		OBS	0020	0733	33185	2597						14783											
		OBS	0025	0699	33115	2596						14769											
		STD	0030	0645	3307	2599		0020286		0063		14748											
		OBS	0030	0645	33065	2599						14748											
		STD	0050	0450	3305	2620		0018263		0102		14671											
		OBS	0050	0450	33045	2620						14671											
		OBS	0057	0100	33205	2663						14523											
		OBS	0064	0046	33425	2683						14503											
		STD	0075	0041	3365	2701		0010534		0138		14505											
		OBS	0075	0041	33645	2701						14505											
		OBS	0086	0130	34055	2729						14553											
		STD	0100	0153	3410	2731		0007775		0161		14566											
		OBS	0100	0153	34100	2731						14566											
		STD	0125	0164	3413	2732		0007633		0180		14575											
		OBS	0125	0164	34130	2732						14575											
		STD	0150	0170	3412	2731		0007760		0199		14582											
		OBS	0150	0170	34120	2731						14582											
		OBS	0165	0225	34306	2742						14611											
		STD	0200	0268	3442	2747		0006323		0234		14637											
		OBS	0200	0268	34418	2747						14637											
		STD	0250	0307	3453	2753		0005866		0265		14664											
		STD	0300	0339	3461	2756		0005588		0294		14687											
		OBS	0300	0339	34613	2756						14687											
		STD	0400	0384	3472	2760		0005325		0348		14724											
		OBS	0400	0384	34721	2760						14724											
		STD	0500	0406	3478	2762		0005246		0401		14751											
		OBS	0500	0406	34776	2762						14751											
		STD	0600	0428	3487	2767		0004923		0452		14777											
		OBS	0600	0428	34866	2767						14777											
		OBS	0650	0428	34857	2766						14786											

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
CRUISE CODE	ID. NO.					10"	1"	MO	DAY		HR. 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT
318007	EV		44390N	049200W		149	49	11	11	040	1966		091	0058	01	22	1	2		X0	013	0105	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
		COLOR CODE		TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB		WET BULB													
		DT	SD	22	S14	318		067		001		7		08									
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY- σ_{θ}		$\Sigma \Delta \theta$ DYN. M. $\times 10^3$		SOUND VELOCITY		O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C		
		STD	0000	0551	3295	2602		0020008		0000		14704											
040		OBS	0000	0551	32950	2602						14704											
		STD	0010	0551	3295	2602		0020018		0020		14705											
		OBS	0010	0551	32950	2602						14705											
		STD	0020	0547	3295	2602		0019984		0040		14705											
000		OBS	0020	0547	32950	2602						14705											
		OBS	0025	0549	32965	2603						14707											
		STD	0030	0540	3298	2605		0019729		0060		14705											
		OBS	0030	0540	32975	2605						14705											
		OBS	0040	0180	32685	2616						14549											
		STD	0050	0055	3330	2672		0013276		0093		14503											
		OBS	0050	0055	33295	2672						14503											
		OBS	0055	0053	33545	2693						14506											

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	ORIG INDIC	MARSSEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER					
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT				
31	8007	EV	4310 N	05020 W		150	30	11	11	131	1966		092		0073	00	00	0			X1	013		0106				
		MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	SS ml/l
									COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB													
									DT	SD	19	503	325	078	067	7	09											
				STD	0000	0720	3324	2603																				
			131	OBS	0000	0720	33240	2603																				
				STD	0010	0718	3323	2602																				
				OBS	0010	0718	33230	2602																				
				STD	0020	0718	3323	2602																				
			000	OBS	0020	0718	33230	2602																				
				OBS	0025	0718	33230	2602																				
				STD	0030	0605	3305	2603																				
				OBS	0030	0605	33050	2603																				
				OBS	0032	0530	32980	2606																				
				OBS	0042	0380	33055	2628																				
				OBS	0048	0370	33245	2644																				
				STD	0050	0337	3322	2646																				
				OBS	0050	0337	33220	2646																				

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	ORIG INDIC	MARSEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER			
CTRY CODE	IO. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT				
31	8007	EV	4300 N	05020 W		150	30	11	11	148	1966		093		0077	01	00	0			X1	013		0107			
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS												
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB															
						DT	SD	00	500		322	078					067	8	09								
MESSENGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T		SPECIFIC VOLUME ANOMALY- $\times 10^7$		$\Sigma \Delta$ O DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	SS ml/l								
		STD	0000	0705	3329	2609		0019323		0000	14770																
	148	OBS	0000	0705	33290	2609					14770																
		STD	0010	0689	3328	2610		0019206		0019	14765																
		OBS	0010	0689	33280	2610					14765																
		STD	0020	0677	3329	2613		0018992		0038	14762																
	000	OBS	0020	0677	33285	2612					14762																
		OBS	0025	0668	33255	2611					14759																
		STD	0030	0654	3326	2613		0018940		0057	14754																
		OBS	0030	0654	33255	2613					14754																
		OBS	0034	0650	33255	2613					14753																
		OBS	0042	0559	33255	2625					14718																
		STD	0050	0246	3317	2649		0015487		0092	14586																
		OBS	0050	0246	33165	2649					14586																
		OBS	0054	0203	33400	2671					14571																

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCH	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
31	8007	EV	4251 N	05020 W	150	20	11	11	157	1966		094	0220	02		2				X1	0	3	0108
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	OD	SOD		325	078					067	7	15				
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH						
		STD	0000	0943	3343	2584	0021660		0000	14863													
157		OBS	0000	0943	33430	2584				14863													
		STD	0010	0808	3336	2599	0020244		0021	14813													
		OBS	0010	0808	33355	2599				14813													
		STD	0020	0592	3306	2605	0019712		0041	14725													
000		OBS	0020	0592	33055	2605				14725													
		OBS	0025	0453	33120	2626				14670													
		STD	0030	0334	3315	2640	0016358		0059	14621													
		OBS	0030	0334	33150	2640				14621													
		OBS	0032	0253	33315	2660				14588													
		STD	0050	0185	3341	2673	0013216		0089	14562													
		OBS	0050	0185	33410	2673				14562													
		OBS	0061	0140	33445	2679				14545													
		STD	0075	0141	3386	2712	0009544		0117	14553													
		OBS	0075	0141	33855	2712				14553													
		OBS	0086	0140	33895	2715				14555													
		STD	0100	0197	3421	2736	0007263		0138	14567													
		OBS	0100	0197	34210	2736				14587													
		OBS	0120	0232	34255	2737				14606													
		STD	0125	0233	3426	2737	0007216		0156	14607													
		OBS	0125	0233	34255	2737				14607													
		STD	0150	0239	3429	2739	0007051		0174	14615													
		OBS	0150	0239	34285	2739				14615													
		OBS	0172	0261	34350	2742				14629													

TABLE IV.—Continued

REFERENCE	CTRY CODE	IO. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METERS	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER	
							10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT			
318007			EV	4240 N	05020 W		150	20	11	11	163	1966		095		1372	13	15	1	3		X1	0	3		0109
							WATER		WIND		BARO-METER (mbars)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
							COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		CRY BULB	WET BULB													
							DT	SD	15	504	322	128	106	7												27
MESSENGR TIME HR 1/10		CAST NO.		CARD TYPE	DEPTH (m)	T °C	S ‰		SIGMA-T		SPECIFIC VOLUME ANOMALY-310?		Σ Δ D DYN. M. X 10 ³		SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	SCC			
				STD	0000	1178	3305		2514		0028355		0000		14943											
163				OBS	0000	1178	33050		2514						14943											
				STD	0010	1154	3302		2516		0028178		0028		14935											
				OBS	0010	1154	33020		2516						14935											
				STD	0020	1012	3304		2542		0025673		0055		14886											
002				OBS	0020	1012	33040		2542						14886											
				OBS	0025	0890	33120		2568						14843											
				STD	0030	0839	3334		2593		0020867		0078		14827											
				OBS	0030	0839	33335		2593						14827											
				STD	0050	0556	3366		2657		0014837		0114		14723											
				OBS	0050	0556	33655		2657						14723											
				OBS	0063	0414	33765		2681						14668											
				STD	0075	0530	3427		2708		0010003		0145		14725											
				OBS	0075	0530	34265		2708						14725											
				OBS	0087	0376	34085		2711						14660											
				STD	0100	0397	3450		2741		0006876		0166		14677											
				OBS	0100	0397	34495		2741						14677											
				OBS	0107	0358	34550		2749						14662											
				STD	0125	0430	3471		2755		0005628		0182		14698											
				OBS	0125	0430	34710		2755						14698											
				OBS	0130	0450	34755		2756						14708											
				STD	0150	0457	3475		2755		0005644		0196		14714											
				OBS	0150	0457	34750		2755						14714											
				OBS	0180	0466	34825		2760						14723											
				STD	0200	0436	3484		2764		0004796		0222		14714											
				OBS	0200	0436	34840		2764						14714											
				STD	0250	0434	3484		2764		0004826		0246		14722											
				STD	0300	0433	3484		2765		0004867		0270		14730											
				OBS	0300	0433	34840		2765						14730											
				STD	0400	0434	3485		2765		0004944		0319		14747											
				OBS	0400	0434	34845		2765						14747											
				STD	0500	0438	3488		2767		0004870		0369		14765											
				OBS	0500	0438	34875		2767						14765											
				STD	0600	0429	3488		2768		0004831		0417		14778											
				OBS	0600	0429	34880		2768						14778											
				STD	0700	0417	3492		2773		0004494		0464		14790											
				OBS	0700	0417	34920		2773						14790											
				STD	0800	0410	3491		2773		0004576		0509		14804											
				OBS	0800	0410	34911		2773						14804											
				STD	0900	0404	3491		2773		0004584		0555		14818											
				OBS	0900	0404	34913		2773						14818											
				STD	1000	0402	3492		2774		0004617		0601		14834											
				OBS	1000	0402	34918		2774						14834											
				STD	1100	0400	3492		2774		0004677		0647		14850											
				OBS	1100	0400	34919		2774						14850											
				STD	1200	0388	3494		2777		0004501		0693		14862											
				OBS	1200	0388	34935		2777						14862											
				STD	1300	0375	3494		2779		0004375		0738		14873											
				OBS	1300	0375	34942		2779						14873											

TABLE IV.—Continued

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH FATHOMS	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
						10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
						10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV		4230 N	05020 W	150	20	11	11	179	1966		096		2176	15	15	2	3		X1	0	3	0110
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
COLOR CODE		TRANS. MM	DIR.	SPEED OR FORCE	METER (mbs)	DRY BULB	WET BULB																
DT	SD	15	S03	322	133	106	7	29															
MESSNGR TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml/l}$	TOTAL-P $\mu\text{g} - \text{ml/l}$	NO ₃ -N $\mu\text{g} - \text{ml/l}$	NO ₂ -N $\mu\text{g} - \text{ml/l}$	SiO ₄ -Si $\mu\text{g} - \text{ml/l}$	pH	SIC						
		STO	0000	1199	3306	2511	0028654	0000	14950														
	179	OBS	0000	1199	33060	2511			14950														
		STO	0010	1193	3306	2512	0028570	0029	14949														
		OBS	0010	1193	33060	2512			14949														
	002	STO	0020	1090	3307	2531	0026771	0056	14915														
		OBS	0020	1090	33065	2531			14915														
		OBS	0025	1080	33195	2543			14914														
		STO	0030	0990	3321	2559	0024120	0082	14882														
		OBS	0030	0990	33205	2559			14882														
		STO	0050	0640	3336	2623	0018083	0124	14753														
		OBS	0050	0640	33355	2623			14753														
		STO	0075	0498	3399	2690	0011741	0161	14708														
		OBS	0075	0498	33985	2690			14708														
		OBS	0085	0484	34110	2701			14706														
		STO	0100	0539	3455	2729	0008005	0186	14737														
		OBS	0100	0539	34550	2729			14737														
		OBS	0119	0589	34660	2732			14761														
		STO	0125	0535	3455	2730	0007989	0206	14739														
		OBS	0125	0535	34550	2730			14739														
		OBS	0128	0536	34605	2734			14741														
		OBS	0130	0562	34600	2731			14752														
		OBS	0140	0445	34480	2735			14703														
		STO	0150	0479	3469	2747	0006372	0224	14722														
		OBS	0150	0479	34685	2747			14722														
		STO	0200	0446	3476	2756	0005540	0254	14717														
		OBS	0200	0446	34755	2756			14717														
		STO	0250	0456	3485	2763	0004993	0280	14731														
		STO	0300	0462	3492	2768	0004600	0304	14743														
		OBS	0300	0462	34919	2768			14743														
		STO	0400	0465	3497	2771	0004395	0349	14761														
		OBS	0400	0465	34966	2771			14761														
		STO	0500	0438	3496	2773	0004252	0392	14766														
		OBS	0500	0438	34958	2773			14766														
		STO	0600	0453	3501	2776	0004162	0434	14790														
		OBS	0600	0453	35008	2776			14790														
		STO	0700	0440	3501	2777	0004091	0475	14801														
		OBS	0700	0440	35011	2777			14801														
		STO	0800	0415	3499	2778	0004065	0516	14807														
		OBS	0800	0415	34988	2778			14807														
		STO	0900	0390	3497	2779	0004026	0557	14813														
		OBS	0900	0390	34966	2779			14813														
		STO	1000	0376	3495	2779	0004053	0597	14823														
		OBS	1000	0376	34952	2779			14823														
		STO	1100	0374	3495	2780	0004101	0638	14839														
		OBS	1100	0374	34954	2780			14839														
		STO	1200	0368	3496	2780	0004107	0679	14853														
		OBS	1200	0368	34955	2780			14853														
		STO	1300	0363	3496	2781	0004122	0720	14868														
		OBS	1300	0363	34956	2781			14868														
		STO	1400	0362	3496	2782	0004156	0761	14885														
		OBS	1400	0362	34961	2782			14885														
		STO	1500	0361	3496	2782	0004203	0803	14901														
		OBS	1500	0361	34964	2782			14901														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE °	LONGITUDE °	DATE MO DAY HR, 1/10	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CITY CODE	IO. NO.					10"	1"	MO	DAY		HR, 1/10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
31	8007	EV	4150 N	05020 W	150	10	11	11	208	1966		097	2000	15	00	0		01	0	3	0111
		WATER COLOR CODE	WIND SPEED OR FORCE	BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS												
					DRY BULB	WET BULB															
DT	SD				11	505				340	560	540	7	40							
MESSNGR TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C				
		STD	0000	1206	3286	2493	0030290	0000	14950												
	208	OBS	0000	1206	32855	2493			14950												
		STD	0010	1190	3285	2496	0030101	0030	14946												
		OBS	0010	1190	32845	2496			14946												
	002	OBS	0015	1190	32850	2496			14947												
		STD	0020	1130	3286	2507	0029002	0060	14926												
		OBS	0020	1130	32855	2507			14926												
		OBS	0025	1070	32935	2524			14907												
		STD	0030	0920	3298	2552	0024737	0087	14853												
		OBS	0030	0920	32975	2552			14853												
		STD	0050	0584	3340	2633	0017109	0128	14731												
		OBS	0050	0584	33395	2633			14731												
		OBS	0055	0481	33400	2645			14690												
		OBS	0067	0558	34205	2700			14734												
		OBS	0072	0529	34155	2699			14723												
		STD	0075	0592	3446	2715	0009312	0161	14753												
		OBS	0075	0592	34455	2715			14753												
		OBS	0085	0804	34855	2717			14843												
		STD	0100	0731	3471	2717	0009247	0185	14815												
		OBS	0100	0731	34710	2717			14815												
		STD	0125	0635	3461	2722	0008798	0207	14780												
		OBS	0125	0635	34605	2722			14780												
		OBS	0131	0573	34550	2725			14755												
		OBS	0139	0601	34665	2731			14770												
		OBS	0148	0547	34600	2732			14748												
		STD	0150	0587	3471	2736	0007487	0228	14766												
		OBS	0150	0587	34705	2736			14766												
		OBS	0160	0659	34835	2737			14798												
		OBS	0172	0549	34700	2740			14754												
		STD	0200	0637	3493	2747	0006551	0263	14797												
		OBS	0200	0637	34925	2747			14797												
		OBS	0201	0655	35000	2750			14806												
		OBS	0210	0591	34900	2751			14780												
		OBS	0220	0671	35060	2753			14816												
		STD	0250	0599	3497	2755	0005831	0294	14791												
		OBS	0255	0598	34950	2754			14791												
		OBS	0270	0613	34975	2754			14800												
		STD	0300	0569	3496	2758	0005604	0322	14787												
		OBS	0300	0569	34955	2758			14787												
		STD	0400	0534	3496	2762	0005279	0377	14789												
		OBS	0400	0534	34958	2762			14789												
		STD	0500	0486	3495	2767	0004860	0427	14786												
		OBS	0500	0486	34952	2767			14786												
		OBS	0540	0509	35017	2770			14803												
		STD	0600	0478	3498	2771	0004655	0475	14800												
		OBS	0600	0478	34982	2771			14800												
		STD	0700	0457	3498	2773	0004503	0521	14808												
		OBS	0700	0457	34983	2773			14808												
		STD	0800	0454	3499	2774	0004515	0566	14823												
		OBS	0800	0454	34991	2774			14823												
		STD	0900	0433	3498	2776	0004434	0611	14831												
		OBS	0900	0433	34981	2776			14831												
		STD	1000	0422	3498	2776	0004442	0655	14843												
		OBS	1000	0422	34975	2776			14843												
		STD	1100	0411	3497	2777	0004475	0700	14855												
		OBS	1100	0411	34965	2777			14855												
		STD	1200	0392	3495	2777	0004463	0744	14863												
		OBS	1200	0392	34947	2777			14863												
		STD	1300	0388	3495	2778	0004487	0789	14879												
		OBS	1300	0388	34949	2778			14879												
		STD	1400	0381	3495	2779	0004485	0834	14892												
		OBS	1400	0381	34949	2779			14892												
		STD	1500	0376	3495	2779	0004507	0879	14907												
		OBS	1500	0376	34949	2779			14907												

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DATE MO DAY HR.1/10	MARSGEN SQUARE	STATION TIME (GMT)	YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
								CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT	
318007	EV	4120 N	05020 W	150 10 11 11 231	1966			098		3658	15	00	0		x1	0	3	0112
				WATER		WIND		BARO- METER (mba)		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS				
COLOR CODE		TRANS. (m)		DIR.	SPEED OR FORCE			DRY BULB	WET BULB									
OT		SD		11	505	340		133	122	7	42							
MESSAGE TIME HR 1/10	CST NO.	CARO TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-X10 ³	Σ Δ θ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₂ -N µg - at/l	NO ₃ -N µg - at/l	SiO ₄ -Si µg - at/l	pH	COND.	
		STD	0000	1196	3286	2495	0030112	0000	14946									
231		OBS	0000	1196	32855	2495			14946									
		STD	0010	1174	3283	2497	0029966	0030	14940									
		OBS	0010	1174	32825	2497			14940									
		STD	0020	1158	3285	2502	0029560	0060	14936									
002		OBS	0020	1158	32845	2502			14936									
		OBS	0025	1141	32825	2503			14931									
		STD	0030	1127	3283	2506	0029193	0089	14927									
		OBS	0030	1127	32825	2506			14927									
		OBS	0041	1084	32860	2516			14914									
		OBS	0042	1095	32885	2516			14918									
		STD	0050	0773	3322	2594	0020826	0139	14804									
		OBS	0050	0773	33220	2594			14804									
		OBS	0052	0733	33355	2610			14790									
		OBS	0057	0723	33355	2611			14787									
		OBS	0059	0600	33410	2632			14739									
		STD	0075	0504	3364	2661	0014430	0183	14706									
		OBS	0075	0504	33635	2661			14706									
		OBS	0086	0433	33805	2682			14680									
		STD	0100	0442	3407	2702	0010529	0214	14690									
		OBS	0100	0442	34070	2702			14690									
		OBS	0104	0458	34255	2715			14700									
		OBS	0107	0388	34310	2727			14672									
		OBS	0118	0421	34345	2727			14688									
		STD	0125	0380	3429	2726	0008309	0238	14671									
		OBS	0125	0380	34285	2726			14671									
		OBS	0127	0380	34470	2741			14674									
		OBS	0134	0434	34565	2743			14699									
		OBS	0146	0480	34670	2746			14722									
		STD	0150	0509	3472	2746	0006486	0257	14735									
		OBS	0150	0509	34715	2746			14735									
		OBS	0153	0520	34700	2744			14740									
		OBS	0160	0498	34575	2736			14730									
		OBS	0170	0531	34780	2749			14748									
		OBS	0178	0620	34970	2752			14788									
		STD	0200	0530	3486	2755	0005708	0287	14753									
		OBS	0200	0530	34860	2755			14753									
		OBS	0230	0519	34870	2757			14754									
		OBS	0246	0539	34875	2755			14765									
		STD	0250	0537	3488	2756	0005706	0316	14765									
		STD	0300	0510	3489	2759	0005409	0343	14762									
		OBS	0300	0510	34885	2759			14762									
		STD	0400	0475	3494	2768	0004698	0394	14765									
		OBS	0400	0475	34941	2768			14765									
		STD	0500	0453	3496	2772	0004440	0440	14773									
		OBS	0500	0453	34956	2772			14773									
		STD	0600	0452	3500	2775	0004224	0483	14789									
		OBS	0600	0452	34998	2775			14789									
		STD	0700	0446	3501	2777	0004141	0525	14804									
		OBS	0700	0446	35014	2777			14804									
		STD	0800	0426	3501	2778	0004063	0566	14812									
		OBS	0800	0426	35006	2778			14812									
		STD	0900	0408	3499	2779	0004041	0606	14821									
		OBS	0900	0408	34993	2779			14821									
		STD	1000	0402	3500	2780	0004026	0647	14835									
		OBS	1000	0402	34998	2780			14835									
		STD	1100	0381	3498	2781	0004017	0687	14842									
		OBS	1100	0381	34977	2781			14842									
		STD	1200	0385	3499	2782	0004030	0727	14861									
		OBS	1200	0385	34994	2782			14861									
		STD	1300	0381	3500	2782	0004061	0767	14876									
		OBS	1300	0381	34995	2782			14876									
		STD	1400	0381	3501	2783	0004075	0808	14893									
		OBS	1400	0381	35005	2783			14893									
		STD	1500	0378	3501	2784	0004115	0849	14909									
		OBS	1500	0378	35006	2784			14909									

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. ND.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318007	EV	4120 N	05020 W	150	10	11	12	030	1966		099	3840	15	00	0				X0	0	3		0113
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLDR CODE	TRANS. Wt	DIR.	SPEED OF FORCE		DRY RULB	WET RULB											
						DT	SD	00	500		340	133											122
MESSENGER TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta D$ DYN. M. $\times 10^3$		SOUND VELOCITY	D ₂ ml/l	PO ₄ -P $\mu g - \text{at/l}$	TOTAL-P $\mu g - \text{at/l}$	NO ₂ -N $\mu g - \text{at/l}$	NO ₃ -N $\mu g - \text{at/l}$	SiO ₄ -Si $\mu g - \text{at/l}$	pH					
		STD	0000	1817	3505	2529	0026939		0000		15170												
	030	OBS	0000	1817	35050	2529					15170												
		STD	0010	1817	3505	2529	0026972		0027		15172												
		OBS	0010	1817	35050	2529					15172												
		STD	0020	1817	3505	2529	0027006		0054		15174												
	002	OBS	0020	1817	35050	2529					15174												
		OBS	0025	1818	35050	2528					15175												
		STD	0030	1818	3505	2528	0027099		0081		15176												
		OBS	0030	1818	35045	2528					15176												
		STD	0050	1869	3536	2539	0026134		0134		15197												
		OBS	0050	1869	35355	2539					15197												
		STD	0075	1523	3540	2625	0018041		0189		15098												
		OBS	0075	1523	35400	2625					15098												
		STD	0100	1495	3584	2664	0014351		0230		15099												
		OBS	0100	1495	35835	2664					15099												
		STD	0125	1341	3555	2675	0013399		0265		15050												
		OBS	0125	1341	35545	2675					15050												
		STD	0150	1263	3554	2690	0012027		0296		15027												
		OBS	0150	1263	35535	2690					15027												
		OBS	0188	1119	35285	2698					14981												
		STD	0200	1132	3540	2704	0010757		0353		14989												
		OBS	0200	1132	35395	2704					14989												
		OBS	0232	1040	35295	2713					14960												
		STD	0250	1022	3528	2715	0009770		0405		14956												
		OBS	0281	0991	35265	2719					14950												
		STD	0300	0906	3518	2726	0008770		0451		14921												
		OBS	0300	0906	35175	2726					14921												
		OBS	0345	0839	35150	2735					14903												
		OBS	0377	0690	34955	2742					14848												
		STD	0400	0698	3505	2748	0006757		0529		14856												
		OBS	0400	0698	35050	2748					14856												
		OBS	0460	0628	35020	2755					14838												
		OBS	0479	0537	34854	2754					14802												
		STD	0500	0526	3495	2762	0005401		0589		14802												
		OBS	0500	0526	34945	2762					14802												
		OBS	0550	0468	34880	2764					14786												
		OBS	0560	0494	34908	2763					14799												
		OBS	0565	0468	34927	2768					14789												
		STD	0600	0458	3493	2769	0004815		0641		14791												
		OBS	0600	0458	34928	2769					14791												
		STD	0700	0420	3492	2772	0004537		0687		14791												
		OBS	0700	0420	34919	2772					14791												
		STD	0800	0421	3496	2776	0004321		0732		14809												
		OBS	0800	0421	34963	2776					14809												
		STD	0900	0423	3498	2777	0004304		0775		14827												
		OBS	0900	0423	34982	2777					14827												
		STD	1000	0401	3497	2778	0004206		0817		14834												
		OBS	1000	0401	34972	2778					14834												
		STD	1100	0397	3498	2779	0004220		0859		14849												
		OBS	1100	0397	34976	2779					14849												
		STD	1200	0398	3499	2780	0004222		0902		14866												
		OBS	1200	0398	34990	2780					14866												
		STD	1300	0390	3499	2781	0004211		0944		14880												
		OBS	1300	0390	34990	2781					14880												
		STD	1400	0388	3500	2782	0004223		0986		14896												
		OBS	1400	0388	34997	2782					14896												
		STD	1500	0380	3500	2783	0004193		1028		14909												
		OBS	1500	0380	34999	2783					14909												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	NODC STATION NUMBER	MARSEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA	TYPE		AMT		
31	8007	EV	4050 N	05020 W		150	00	11	12	060	1966		100		4407	15	12	2	4		X1	03		0114
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
COLOR CODE		TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB		WET BULB																	
DT	SD	12	S14	335	194	133	7	34																
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-2107	Σ Δ D CYCL. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SIO ₄ -Si μg - at/l	pH	Σ C							
		STD	0000	1869	3536	2539	0025925	0000	15189															
	060	OBS	0000	1869	35360	2539			15189															
		STD	0010	1889	3542	2538	0026043	0026	15197															
		OBS	0010	1889	35415	2538			15197															
		STD	0020	1911	3556	2544	0025598	0052	15206															
	002	OBS	0020	1911	35555	2544			15206															
		OBS	0025	1913	35625	2548			15209															
		STD	0030	1914	3564	2549	0025126	0077	15210															
		OBS	0030	1914	35635	2549			15210															
		OBS	0048	1940	35805	2555			15222															
		STD	0050	1922	3592	2569	0023328	0126	15219															
		OBS	0050	1922	35920	2569			15219															
		OBS	0061	1695	35790	2615			15154															
		OBS	0065	1737	36300	2644			15173															
		STD	0075	1727	3637	2652	0015502	0174	15172															
		OBS	0075	1727	36370	2652			15172															
		STD	0100	1620	3619	2663	0014507	0212	15142															
		OBS	0100	1620	36185	2663			15142															
		STD	0125	1564	3614	2672	0013721	0247	15128															
		OBS	0125	1564	36135	2672			15128															
		STD	0150	1479	3596	2678	0013254	0281	15104															
		OBS	0150	1479	35960	2678			15104															
		STD	0200	1380	3582	2688	0012417	0345	15078															
		OBS	0200	1380	35815	2688			15078															
		STD	0250	1316	3575	2696	0011754	0405	15064															
		STD	0300	1198	3559	2707	0010787	0462	15031															
		OBS	0300	1198	35590	2707			15031															
		OBS	0310	1168	35545	2709			15021															
		OBS	0320	1179	35585	2710			15027															
		STD	0400	0961	3530	2727	0008990	0561	14959															
		OBS	0400	0961	35295	2727			14959															
		STD	0500	0787	3515	2743	0007486	0643	14908															
		OBS	0500	0787	35150	2743			14908															
		STD	0600	0672	3515	2760	0005952	0710	14880															
		OBS	0600	0672	35152	2760			14880															
		OBS	0611	0671	35168	2761			14882															
		OBS	0633	0629	35116	2763			14868															
		OBS	0677	0612	35147	2767			14869															
		STD	0700	0567	3510	2770	0005007	0765	14854															
		OBS	0700	0567	35104	2770			14854															
		STD	0800	0527	3509	2773	0004740	0814	14854															
		OBS	0800	0527	35086	2773			14854															
		OBS	0840	0510	35086	2775			14854															
		OBS	0871	0533	35158	2778			14870															
		STD	0900	0510	3512	2778	0004358	0859	14865															
		OBS	0900	0510	35124	2778			14865															
		STD	1000	0463	3509	2781	0004097	0901	14861															
		OBS	1000	0463	35092	2781			14861															
		STD	1100	0427	3503	2781	0004168	0943	14862															
		OBS	1100	0427	35034	2781			14862															
		STD	1200	0410	3502	2781	0004153	0984	14872															
		OBS	1200	0410	35020	2781			14872															
		STD	1300	0400	3501	2782	0004177	1026	14884															
		OBS	1300	0400	35012	2782			14884															
		STD	1400	0388	3500	2782	0004179	1068	14896															
		OBS	1400	0388	35003	2782			14896															
		STD	1500	0380	3500	2783	0004185	1110	14909															
		OBS	1500	0380	35000	2783			14909															

TABLE IV.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARSEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER		
					10"	1'	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
318007	EV	4029 N	05020 W		150	00	11	12	095	1966		101		4023	15	13	2	2		X1	0	3		0115
					WATER		WIND		BARO- METER		AIR TEMP. °C													
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
					DT	SD	15	S11	340		183	139	7	33										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ OWN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	SiO ₄ -Si $\mu\text{g} - \text{at/l}$	pH	ST CC						
		STD	0000	1937	3546	2529	0026890		0000	15209														
	095	OBS	0000	1937	35455	2529				15209														
		STD	0010	1939	3546	2529	0026975		0027	15211														
		OBS	0010	1939	35455	2529				15211														
		STD	0020	1939	3546	2529	0027010		0054	15213														
	002	OBS	0020	1939	35455	2529				15213														
		OBS	0025	1939	35450	2528				15214														
		STD	0030	1939	3545	2528	0027082		0081	15215														
		OBS	0030	1939	35450	2528				15215														
		STD	0050	1939	3545	2528	0027152		0135	15218														
		OBS	0050	1939	35450	2528				15218														
		OBS	0061	1944	35450	2527				15221														
		STD	0075	1820	3571	2578	0022508		0197	15191														
		OBS	0075	1820	35705	2578				15191														
		STD	0100	1532	3567	2643	0016340		0246	15109														
		OBS	0100	1532	35670	2643				15109														
		OBS	0118	1474	35735	2661				15094														
		STD	0125	1530	3595	2665	0014334		0284	15115														
		OBS	0125	1530	35950	2665				15115														
		OBS	0140	1557	36105	2671				15128														
		STD	0150	1539	3606	2672	0013804		0319	15124														
		OBS	0150	1539	36060	2672				15124														
		OBS	0166	1390	35710	2677				15074														
		OBS	0179	1436	35905	2683				15094														
		STD	0200	1410	3587	2686	0012626		0385	15089														
		OBS	0200	1410	35870	2686				15089														
		STD	0250	1236	3556	2697	0011594		0446	15035														
		STD	0300	1146	3545	2706	0010852		0502	15011														
		OBS	0300	1146	35450	2706				15011														
		OBS	0325	1133	35467	2710				15011														
		STD	0400	0891	3513	2725	0009084		0602	14931														
		OBS	0400	0891	35127	2725				14931														
		OBS	0484	0699	34973	2742				14869														
		OBS	0494	0719	35039	2744				14880														
		STD	0500	0699	3500	2744	0007286		0684	14872														
		OBS	0500	0699	35002	2744				14872														
		STD	0600	0549	3497	2761	0005640		0748	14829														
		OBS	0600	0549	34969	2761				14829														
		OBS	0689	0499	34974	2768				14823														
		STD	0700	0559	3512	2772	0004790		0800	14851														
		OBS	0700	0559	35119	2772				14851														
		STD	0800	0541	3513	2775	0004585		0847	14861														
		OBS	0800	0541	35132	2775				14861														
		STD	0900	0475	3505	2776	0004465		0893	14849														
		OBS	0900	0475	35048	2776				14849														
		STD	1000	0441	3504	2779	0004237		0936	14852														
		OBS	1000	0441	35035	2779				14852														
		STD	1100	0426	3504	2781	0004126		0978	14862														
		OBS	1100	0426	35038	2781				14862														
		STD	1200	0409	3503	2782	0004103		1019	14872														
		OBS	1200	0409	35025	2782				14872														
		STD	1300	0399	3501	2782	0004194		1060	14884														
		OBS	1300	0399	35008	2782				14884														
		STD	1400	0391	3501	2782	0004174		1102	14897														
		OBS	1400	0391	35009	2782				14897														
		STD	1500	0380	3501	2783	0004134		1144	14910														
		OBS	1500	0380	35007	2783				14910														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARDEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CTRY CODE	ID. NO.				10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	OBSERVATIONS				TYPE	AMT					
													DIR			HGT			PER		SEA		
318007	EV		3950 N	05020 W	114	90	11	12	128	1966		102		5486	15	13	2	2		X0	0	3	0116
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIL CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB													
					DT	SD	15	513	328	189	150	7	44										
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-2107	Σ Δ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P µg - at/l	TOTAL-P µg - at/l	NO ₃ -N µg - at/l	NO ₂ -N µg - at/l	SIO ₄ -Si µg - at/l	pH	S ODC						
		STD	0000	1752	3421	2481	0031515	0000	15141														
128		OBS	0000	1752	34213	2481			15141														
		STD	0010	1749	3421	2481	0031478	0031	15142														
		OBS	0010	1749	34213	2481			15142														
002		OBS	0018	1750	34220	2482			15144														
		STD	0020	1778	3449	2495	0030185	0062	15156														
		OBS	0020	1778	34487	2495			15156														
		OBS	0025	1808	34560	2493			15166														
		STD	0030	1825	3482	2509	0028899	0092	15175														
		OBS	0030	1825	34820	2509			15175														
		OBS	0044	1848	35020	2519			15186														
		STD	0050	1751	3486	2530	0026946	0148	15157														
		OBS	0050	1751	34860	2530			15157														
		STD	0075	1396	3526	2641	0016475	0202	15056														
		OBS	0075	1396	35255	2641			15056														
		OBS	0084	1442	35710	2666			15078														
		STD	0100	1360	3546	2664	0014363	0241	15051														
		OBS	0100	1360	35455	2664			15051														
		STD	0125	1269	3545	2682	0012733	0274	15024														
		OBS	0125	1269	35445	2682			15024														
		STD	0150	1220	3543	2690	0012021	0305	15011														
		OBS	0150	1220	35425	2690			15011														
		OBS	0173	1150	35255	2690			14989														
		OBS	0189	1181	35455	2700			15005														
		STD	0200	1165	3546	2703	0010914	0363	15001														
		OBS	0200	1165	35455	2703			15001														
		STD	0250	1055	3532	2712	0010070	0415	14969														
		STD	0300	0940	3521	2723	0009096	0463	14934														
		OBS	0300	0940	35205	2723			14934														
		STD	0400	0696	3505	2748	0006729	0542	14855														
		OBS	0400	0696	35050	2748			14855														
		OBS	0440	0597	34920	2751			14821														
		OBS	0478	0612	35020	2757			14834														
		OBS	0490	0565	34970	2759			14817														
		STD	0500	0616	3496	2752	0006451	0608	14839														
		OBS	0500	0616	3515P	2767P																	
		OBS	0511	0545	34950	2760			14812														
		OBS	0530	0540	34945	2761			14813														
		OBS	0539	0612	3525P	2776P																	
		OBS	0556	0540	35000	2765			14818														
		OBS	0561	0580	3514P	2771P																	
		OBS	0578	0539	34995	2765			14821														
		STD	0600	0539	3507	2770	0004801	0664	14826														
		OBS	0600	0539	35065	2770			14826														
		OBS	0610	0568	35145	2773			14840														
		STD	0700	0539	3512	2774	0004550	0711	14843														
		OBS	0700	0539	35116	2774			14843														
		OBS	0730	0502	35067	2775			14832														
		OBS	0746	0528	35145	2778			14847														
		STD	0800	0507	3511	2777	0004332	0756	14846														
		OBS	0800	0507	35106	2777			14846														
		OBS	0838	0495	3510P	2778P																	
		OBS	0856	0446	35006	2776			14830														
		OBS	0876	0472	35068	2778			14844														
		STD	0900	0440	3502	2778	0004225	0798	14834														
		OBS	0900	0440	35021	2778			14834														
		STD	1000	0420	3501	2780	0004137	0840	14843														
		OBS	1000	0420	35013	2780			14843														
		STD	1100	0399	3500	2781	0004068	0881	14850														
		OBS	1100	0399	35000	2781			14850														
		STD	1200	0392	3500	2782	0004073	0922	14864														
		OBS	1200	0392	35000	2782			14864														
		STD	1300	0382	3500	2782	0004059	0962	14877														
		OBS	1300	0382	34997	2782			14877														
		STD	1400	0373	3499	2783	0004082	1003	14890														
		OBS	1400	0373	34990	2783			14890														
		STD	1500	0373	3500	2784	0004072	1044	14907														
		OBS	1500	0373	35003	2784			14907														

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIST INCHES	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLING	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDDC STATION NUMBER
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
31	8007	EV	3920 N	05020 W		114	90	11	12	175	1966		103	5440	15	13	8	4		X1	0	3	0117
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
						DT	SD	11	S30		310	211											
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANOMALY-σ _t × 10 ³		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si D ₄ -Si μg - at/l	pH	S C				
		STD	0000	2218	3624	2512		0028489		0000	15293												
175		OBS	0000	2218	36235	2512					15293												
		STD	0010	2218	3624	2512		0028528		0029	15295												
		OBS	0010	2218	36235	2512					15295												
		STD	0020	2218	3624	2512		0028566		0057	15296												
002		OBS	0020	2218	36235	2512					15296												
		OBS	0025	2217	36235	2513					15297												
		STD	0030	2217	3624	2513		0028578		0086	15298												
		OBS	0030	2217	36235	2513					15298												
		STD	0050	2218	3626	2514		0028538		0143	15302												
		OBS	0050	2218	36255	2514					15302												
		OBS	0062	2217	36260	2515					15303												
		OBS	0066	2133	36055	2522					15280												
		OBS	0070	2194	36605	2547					15303												
		STD	0075	2170	3655	2550		0025220		0210	15297												
		OBS	0075	2170	36550	2550					15297												
		STD	0100	1987	3657	2601		0020423		0267	15253												
		OBS	0100	1987	36570	2601					15253												
		STD	0125	1889	3661	2630		0017789		0315	15230												
		OBS	0125	1889	36610	2630					15230												
		STD	0150	1826	3654	2640		0016894		0358	15215												
		OBS	0150	1826	36535	2640					15215												
		OBS	0170	1770	36440	2647					15201												
		STD	0200	1778	3655	2653		0015852		0440	15210												
		OBS	0200	1778	36545	2653					15210												
		STD	0250	1725	3647	2660		0015322		0518	15202												
		STD	0300	1625	3630	2671		0014415		0592	15178												
		OBS	0300	1625	36302	2671					15178												
		STD	0400	1286	3569	2697		0012038		0725	15078												
		OBS	0400	1286	35686	2697					15078												
		STD	0500	0979	3525	2720		0009858		0834	14981												
		OBS	0500	0979	35247	2720					14981												
		OBS	0588	0623	34835	2741					14855												
		STD	0600	0664	3498	2747		0007138		0919	14875												
		OBS	0600	0664	34976	2747					14875												
		OBS	0639	0626	34952	2750					14866												
		OBS	0650	0699	35205	2760					14900												
		STD	0700	0661	3515	2761		0005934		0984	14892												
		OBS	0700	0661	35154	2761					14892												
		STD	0800	0609	3515	2768		0005355		1041	14888												
		OBS	0800	0609	35153	2768					14888												
		OBS	0866	0530	35071	2772					14866												
		OBS	0889	0558	35142	2774					14882												
		STD	0900	0540	3511	2774		0004845		1092	14877												
		OBS	0900	0540	35112	2774					14877												
		STD	1000	0496	3510	2778		0004475		1138	14875												
		OBS	1000	0496	35099	2778					14875												
		STD	1100	0439	3502	2778		0004402		1183	14867												
		OBS	1100	0439	35023	2778					14867												
		STD	1200	0414	3501	2780		0004314		1226	14873												
		OBS	1200	0414	35005	2780					14873												
		STD	1300	0390	3499	2781		0004233		1269	14880												
		OBS	1300	0390	34987	2781					14880												
		STD	1400	0383	3499	2782		0004232		1311	14894												
		OBS	1400	0383	34987	2782					14894												
		STD	1500	0377	3499	2782		0004241		1354	14908												
		OBS	1500	0377	34987	2782					14908												

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NDOC STATION NUMBER
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.					TYPE	AMT	
																HGT	PER	SEA					
318007	EV		3850 N	05020 W		114	80	11	12	208	1966	104	5465	15	13	3	2		X2	0	3		0118
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. IMB	CIR.	SPEED OR FORCE			DRY BULB	WET BULB														
		DT	SD	IO	S28	315	211	178	7					29									
MESSAGE TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	Σ Δ σ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C						
		STD	0000	2232	3635	2517	0028058	0000	15298														
208		OBS	0000	2232	36347	2517			15298														
		STD	0010	2232	3635	2517	0026097	0028	15300														
		OBS	0010	2232	36347	2517			15300														
		STD	0020	2232	3635	2517	0028136	0056	15301														
002		OBS	0020	2232	36347	2517			15301														
		OBS	0025	2232	36347	2517			15302														
		STD	0030	2232	3635	2517	0028175	0084	15303														
		OBS	0030	2232	36347	2517			15303														
		STD	0050	2232	3635	2517	0028253	0141	15306														
		OBS	0050	2232	36347	2517			15306														
		STD	0075	2232	3636	2518	0028256	0211	15311														
		OBS	0075	2232	36360	2518			15311														
		STD	0100	2161	3672	2565	0023865	0477	15301														
		OBS	0100	2161	36718	2565			15301														
		STD	0125	2031	3669	2598	0020789	0432	15270														
		OBS	0125	2031	36687	2598			15270														
		STD	0150	1945	3664	2617	0019047	0382	15250														
		OBS	0150	1945	36640	2617			15250														
		STD	0200	1839	3657	2640	0017115	0473	15228														
		OBS	0200	1839	36572	2640			15228														
		STD	0250	1812	3657	2646	0016654	0557	15228														
		STD	0300	1785	3655	2651	0016340	0639	15228														
		OBS	0300	1785	36548	2651			15228														
		STD	0400	1735	3647	2658	0016051	0801	15229														
		OBS	0400	1735	36471	2658			15229														
		STD	0500	1651	3632	2666	0015547	0959	15219														
		OBS	0500	1651	36316	2666			15219														
		STD	0600	1376	3583	2689	0013392	1104	15143														
		OBS	0600	1376	35825	2689			15143														
		STD	0700	1088	3541	2713	0011056	1226	15056														
		OBS	0700	1088	35407	2713			15056														
		STD	0800	0847	3514	2733	0009081	1327	14980														
		OBS	0800	0847	35135	2733			14980														
		OBS	0810	0813	35109	2736			14969														
		OBS	0816	0827	35127	2735			14975														
		OBS	0837	0723	35047	2744			14938														
		STD	0900	0641	3501	2753	0006987	1407	14916														
		OBS	0900	0641	35012	2753			14916														
		OBS	0940	0556	34961	2760			14888														
		OBS	0975	0568	35029	2764			14899														
		STD	1000	0538	3501	2766	0005722	1471	14891														
		OBS	1000	0538	35006	2766			14891														
		STD	1100	0451	3496	2772	0005020	1525	14871														
		OBS	1100	0451	34960	2772			14871														
		STD	1200	0463	3501	2775	0004899	1574	14894														
		OBS	1200	0463	35012	2775			14894														
		STD	1300	0445	3501	2776	0004808	1623	14903														
		OBS	1300	0445	35006	2776			14903														
		STD	1400	0421	3499	2778	0004676	1670	14910														
		OBS	1400	0421	34994	2778			14910														
		STD	1500	0412	3500	2779	0004629	1717	14923														
		OBS	1500	0412	34997	2779			14923														

TABLE IV.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	DRIFT	MARSDEN		STATION TIME			YEAR	ORIGINATOR'S		DEPTH	MAX. DEPTH	WAVE			WEA-	CLOUD		NOOC			
CTRY	IO.	CODE	" 1/10	" 1/10	INDIC	10"	1"	MO	DAY	HR.1/10		CRUISE	STATION	BOTTOM	TO	OF	DIR.	HGT	PER	SEA	CODE	TYPE	AMT	STATION	
CODE	NO.											NO.	NUMBER			SAMPL'S								NUMBER	
318007	EV		3820 N	05020 W		114	80	11	13	004	1966		105		5490	15	13	5	2		X2	0	3	0119	
		WATER		WIND		BARO-		AIR TEMP. °C				NO.		SPECIAL											
		COLOR	TRANS.	DIR.	SPEED	METER		DRY		WET		VIS. CODE		OBS. DEPTHS											
		CODE	IMT		OR FORCE	(mba)		BULB		BULB															
		DT	SD	10	S32	295	211	178	7	32															
MESSNGR	CST	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME		Σ Δ O	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -N	NO ₃ -N	SiO ₄ -Si	pH								
TIME	NO.	TYPE					AND MALT-X10 ³		DYN. M.	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l									
HR 1/10									x 10 ³																
		STD	0000	2240	3633	2514	0028383		0000	15300															
		OBS	0000	2240	36332	2514				15300															
004		STD	0010	2240	3633	2514	0028422		0028	15302															
		OBS	0010	2240	36332	2514				15302															
		STD	0020	2240	3633	2514	0028461		0057	15303															
		OBS	0020	2240	36332	2514				15303															
		OBS	0025	2242	36332	2513				15305															
		STD	0030	2242	3633	2513	0028554		0085	15305															
		OBS	0030	2242	36332	2513				15305															
		STD	0050	2244	3633	2512	0028686		0143	15309															
		OBS	0050	2244	36332	2512				15309															
		STD	0075	2244	3633	2512	0028784		0214	15313															
		OBS	0075	2244	36332	2512				15313															
		STD	0100	2241	3633	2513	0028799		0286	15317															
		OBS	0100	2241	36332	2513				15317															
		STD	0125	2185	3662	2551	0025330		0354	15310															
		OBS	0125	2185	36617	2551				15310															
		STD	0150	2009	3667	2603	0020472		0411	15268															
		OBS	0150	2009	36666	2603				15268															
		STD	0200	1860	3659	2635	0017508		0506	15234															
		OBS	0200	1860	36588	2635				15234															
		STD	0250	1829	3658	2643	0016990		0593	15233															
		STD	0300	1800	3657	2649	0016554		0676	15233															
		OBS	0300	1800	36568	2649				15233															
		STD	0400	1747	3649	2656	0016168		0840	15233															
		OBS	0400	1747	36494	2656				15233															
		STD	0500	1700	3642	2662	0015916		1000	15235															
		OBS	0500	1700	36422	2662				15235															
		STD	0600	1548	3611	2673	0015051		1155	15201															
		OBS	0600	1548	36106	2673				15201															
		STD	0700	1342	3576	2691	0013457		1498	15147															
		OBS	0700	1342	35757	2691				15147															
		STD	0800	1074	3539	2714	0011180		1421	15067															
		OBS	0800	1074	35386	2714				15067															
		STD	0900	0839	3513	2733	0009193		1523	14994															
		OBS	0900	0839	35127	2733				14994															
		STD	1000	0578	3493	2754	0006868		1603	14906															
		OBS	1000	0578	34925	2754				14906															
		OBS	1088	0470	34832	2760				14875															
		STD	1100	0493	3491	2763	0005968		1667	14888															
		OBS	1100	0493	34906	2763				14888															
		OBS	1160	0454	34899	2767				14882															
		OBS	1172	0470	34947	2769				14891															
		STD	1200	0452	3493	2769	0005393		1724	14888															
		OBS	1200	0452	34925	2769				14888															
		OBS	1211	0440	34900	2769				14884															
		OBS	1242	0470	34983	2772				14903															
		OBS	1251	0434	34906	2770				14889															
		STD	1300	0413	3500	2779	0004462		1773	14889															
		OBS	1300	0413	34996	2779				14889															
		OBS	1325	0411	34994	2779				14893															
		OBS	1389	0467P	35016	2775P																			
		STD	1400		3500																				
		OBS	1400	0449P	34996	2775P																			
		OBS	1490	0436P	34990	2776P																			

TABLE IV.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	STATION NO.	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	MG	PER		SEA	TYPE	
31	8007	EV	3750 N	05020 W	114	70	11	13	039	1966		106	5486	14	12	5	3		X6	0	3	0120
		CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	Σ Δ D DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ol/l	TOTAL-P μg - ol/l	NO ₂ -N μg - ol/l	NO ₃ -N μg - ol/l	SiO ₄ -Si μg - ol/l	pH	SIC					
MESSNGR TIME HR 1/10	CAST NO.																					
		STD	0000	2215	3633	2520	0027744	0000	15293													
	039	OBS	0000	2215	36327	2520			15293													
		STD	0010	2214	3633	2520	0027756	0028	15295													
		OBS	0010	2214	36327	2520			15295													
		STD	0020	2214	3633	2520	0027795	0056	15297													
	002	OBS	0020	2214	36327	2520			15297													
		OBS	0025	2208	36327	2522			15296													
		STD	0030	2202	3633	2524	0027525	0083	15295													
		OBS	0030	2202	36325	2524			15295													
		OBS	0040	2128	36253	2539			15277													
		STD	0050	2121	3631	2545	0025584	0136	15277													
		OBS	0050	2121	36307	2545			15277													
		STD	0075	2117	3635	2549	0025249	0400	15281													
		OBS	0075	2117	36352	2549			15281													
		STD	0100	2105	3639	2556	0024726	0462	15282													
		OBS	0100	2105	36394	2556			15282													
		OBS	0108	2096	36416	2560			15281													
		STD	0125	1949	3655	2609	0019728	0318	15246													
		OBS	0125	1949	36547	2609			15246													
		OBS	0131	1877	36565	2629			15227													
		STD	0150	1848	3655	2635	0017337	0364	15222													
		OBS	0150	1848	36547	2635			15222													
		STD	0200	1794	3657	2650	0016080	0448	15215													
		OBS	0200	1794	36566	2650			15215													
		STD	0250	1782	3656	2653	0016010	0528	15219													
		STD	0300	1765	3654	2655	0015937	0608	15222													
		OBS	0300	1765	36538	2655			15222													
		STD	0400	1717	3646	2661	0015738	0766	15224													
		OBS	0400	1717	36456	2661			15224													
		STD	0500	1668	3638	2667	0015461	0922	15225													
		OBS	0500	1668	36382	2667			15225													
		STD	0600	1523	3609	2678	0014600	1073	15193													
		OBS	0600	1523	36092	2678			15193													
		STD	0700	1354	3579	2691	0013466	1413	15151													
		OBS	0700	1354	35790	2691			15151													
		STD	0800	1143	3549	2709	0011726	1339	15093													
		OBS	0800	1143	35488	2709			15093													
		STD	0900	0902	3517	2727	0009942	1447	15018													
		OBS	0900	0902	35168	2727			15018													
		STD	1000	0701	3504	2747	0007842	1536	14956													
		OBS	1000	0701	35037	2747			14956													
		STD	1100	0597	3503	2760	0006499	1608	14932													
		OBS	1100	0597	35030	2760			14932													
		STD	1200	0480	3496	2768	0005544	1668	14900													
		OBS	1200	0480	34955	2768			14900													
		STD	1300	0431	3495	2773	0005034	1721	14896													
		OBS	1300	0431	34950	2773			14896													
		OBS	1370	0444	35014	2777			14914													

TABLE IV.—Continued

MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ OTN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₂ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH	S C
		STD	0000	2049	3633	2567	0023342	0000	15250								
077		OBS	0000	2049	36333	2567			15250								
		STD	0010	2049	3633	2567	0023380	0023	15252								
		OBS	0010	2049	36333	2567			15252								
002		STD	0020	2049	3633	2567	0023417	0047	15253								
		OBS	0020	2049	36333	2567			15253								
		OBS	0025	2049	36333	2567			15254								
		STD	0030	2050	3633	2566	0023480	0070	15255								
		OBS	0030	2050	36333	2566			15255								
		STD	0050	2050	3633	2566	0023562	0117	15259								
		OBS	0050	2050	36332	2566			15259								
		STD	0075	2051	3633	2566	0023709	0176	15263								
		OBS	0075	2051	36328	2566			15263								
		OBS	0090	2051	36330	2566			15265								
		STD	0100	1970	3657	2605	0020017	0431	15248								
		OBS	0100	1970	36567	2605			15248								
		STD	0125	1892	3659	2627	0018029	0279	15231								
		OBS	0125	1892	36587	2627			15231								
		STD	0150	1840	3657	2639	0016963	0322	15220								
		OBS	0150	1840	36572	2639			15220								
		STD	0200	1789	3655	2650	0016098	0405	15213								
		OBS	0200	1789	36547	2650			15213								
		STD	0250	1770	3653	2653	0015943	0485	15216								
		STD	0300	1749	3650	2656	0015820	0564	15217								
		OBS	0300	1749	36502	2656			15217								
		STD	0400	1701	3643	2662	0015581	0721	15219								
		OBS	0400	1701	36426	2662			15219								
		STD	0500	1610	3625	2670	0015119	0875	15205								
		OBS	0500	1610	36246	2670			15205								
		STD	0600	1485	3603	2682	0014197	1022	15180								
		OBS	0600	1485	36033	2682			15180								
		STD	0700	1404	3595	2693	0013367	1159	15170								
		OBS	0700	1404	35948	2693			15170								
		STD	0800	1296	3575	2700	0012834	1290	15148								
		OBS	0800	1296	35750	2700			15148								
		STD	0900	1040	3534	2717	0011085	1410	15071								
		OBS	0900	1040	35344	2717			15071								
		STD	1000	0826	3514	2736	0009094	1511	15006								
		OBS	1000	0826	35136	2736			15006								
		OBS	1030	0720	35029	2743			14969								
		STD	1100	0633	3504	2756	0006979	1591	14946								
		OBS	1100	0633	35036	2756			14946								
		STD	1200	0489	3492	2764	0005944	1656	14903								
		OBS	1200	0489	34917	2764			14903								
		STD	1300	0459	3494	2770	0005449	1713	14908								
		OBS	1300	0459	34944	2770			14908								
		STD	1400	0453	3500	2775	0005098	1766	14923								
		OBS	1400	0453	34995	2775			14923								
		STD	1500	0447	3502	2777	0004956	1816	14937								
		OBS	1500	0447	35017	2777			14937								

TABLE V. Observed and interpolated oceanographic data taken by USCGC ROCKAWAY on North Atlantic Standard Monitoring Section 6, 19-22 November 1966; prepared from NODC listing No. 31-1061.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DUST INDEX	MARSON SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CRUISE NO.	STATION NUMBER					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
311	061	RC	3201 N	06521 W		115	25	11	19	179	1966	A62	001	4206	41	10	3	4		X1	8	2	0001
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB														
						12	S05	207	222	183	7	19											
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta$ O DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{at/l}$	TOTAL-P $\mu\text{g} \cdot \text{at/l}$	NO ₃ -N $\mu\text{g} \cdot \text{at/l}$	NO ₂ -N $\mu\text{g} \cdot \text{at/l}$	Si O ₄ -Si $\mu\text{g} \cdot \text{at/l}$	pH	S CODE					
		STD	0000	2340	3658	2504	0029322		0000	15328													
179		OBS	0000	2340	36583	2504				15328													
		STD	0010	2339	3663	2507	0028998		0029	15330													
179		OBS	0011	2339	36635	2508				15330													
		STD	0020	2339	3664	2508	0028974		0058	15331													
		STD	0030	2338	3664	2508	0028985		0087	15333													
179		OBS	0032	2338	36639	2508				15333													
		STD	0050	2333	3663	2509	0028991		0145	15335													
179		OBS	0054	2332	36624	2509				15335													
		STD	0075	2054	3663	2588	0021604		0208	15267													
179		OBS	0081	2000	36631	2602				15254													
		STD	0100	1919	3659	2620	0018582		0259	15234													
179		OBS	0107	1896	36584	2626				15229													
		STD	0125	1868	3657	2632	0017567		0304	15224													
		STD	0150	1839	3655	2638	0017098		0347	15219													
179		OBS	T0162	1828	36549	2641				15218													
		STD	0200	1812	3654	2644	0016683		0432	15220													
187		OBS	0209	1808	36540	2645				15220													
		STD	0250	1789	3652	2648	0016466		0514	15221													
		STD	0300	1766	3648	2651	0016381		0597	15222													
187		OBS	0313	1760	36471	2651				15222													
		STD	0400	1721	3640	2655	0016236		0760	15224													
187		OBS	T0418	1709	36381	2657				15223													
		STD	0500	1621	3621	2665	0015628		0919	15208													
		STD	0600	1504	3600	2675	0014849		1071	15186													
187		OBS	0629	1468	35942	2679				15178													
		STD	0700	1402	3580	2682	0014396		1218	15167													
		STD	0800	1257	3560	2696	0013134		1355	15133													
187		OBS	T0841	1180	35514	2704				15112													
		STD	0900	0996	3537	2727	0010104		1471	15055													
		STD	1000	0733	3516	2752	0007434		1559	14970													
187		OBS	1056	0613	35072	2761				14931													
		STD	1100	0595	3507	2764	0006177		1627	14931													
		STD	1200	0557	3507	2768	0005764		1687	14933													
		STD	1300	0523	3506	2772	0005478		1743	14935													
		STD	1400	0492	3505	2775	0005232		1797	14939													
		STD	1500	0464	3504	2777	0005023		1848	14945													
187		OBS	T1588	0443	35036	2779				14951													
		STD	1750	0417	3501	2780	0004834		1971	14967													
		STD	2000	0381	3498	2781	0004769		2091	14994													
195		OBS	T2049	0375	34979	2782				15000													
		STD	2500	0330	3497	2785	0004495		2323	15057													
195		OBS	T2572	0323	34964	2786				15067													
		STD	3000	0281	3493	2787	0004375		2544	15122													
195		OBS	3067	0275	34927	2787				15131													
195		OBS	T3559	0234	34896	2788				15199													
		STD	4000	0222	3489	2789	0004225		2974	15271													
195		OBS	T4074	0222	34888	2789				15284													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
311	061	RC	3158 N	06619 W		115	16	11	20	003	1966	A62	002	4663	15	10	3	4		X0	0		0002
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB											
									00	500	208	214	174	7	14								
MESSENGER TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	S C C						
		STD	0000	2278	3646	2513	0028473	0000	15311														
003		OBS	0000	2278	36463	2513			15311														
		STD	0010	2279	3649	2514	0028340	0028	15313														
003		OBS	0012	2279	36498	2515			15314														
		STD	0020	2278	3652	2517	0028149	0057	15315														
		STD	0030	2277	3655	2519	0027948	0085	15317														
003		OBS	0034	2277	36553	2520			15317														
		STD	0050	2277	3657	2521	0027871	0141	15320														
003		OBS	0056	2277	36576	2521			15321														
		STD	0075	2188	3664	2552	0025051	0207	15303														
003		OBS	0084	2139	36651	2566			15291														
		STD	0100	2027	3664	2596	0020933	0264	15264														
003		OBS	0111	1966	36629	2611			15249														
		STD	0125	1931	3661	2619	0018824	0314	15242														
		STD	0150	1880	3659	2630	0017803	0360	15231														
003		OBS	T0166	1855	36577	2636			15227														
		STD	0200	1830	3655	2640	0017057	0447	15225														
003		OBS	0219	1819	36544	2642			15225														
		STD	0250	1811	3654	2644	0016847	0532	15227														
		STD	0300	1794	3652	2647	0016757	0616	15231														
003		OBS	0325	1784	36509	2648			15232														
		STD	0400	1750	3645	2652	0016557	0782	15233														
003		OBS	T0432	1730	36419	2655			15232														
		STD	0500	1691	3632	2657	0016442	0947	15231														
		STD	0600	1586	3613	2667	0015728	1108	15213														
003		OBS	0644	1522	36022	2673			15199														
		STD	0700	1397	3580	2683	0014290	1258	15166														
		STD	0800	1180	3546	2700	0012638	1393	15105														
003		OBS	T0856	1062	35321	2711			15071														
		STD	0900	0958	3525	2724	0010307	1507	15040														
		STD	1000	0754	3511	2745	0008128	1600	14978														
003		OBS	1063	0649	35048	2755			14946														
		STD	1100	0632	3504	2757	0006900	1675	14946														
		STD	1200	0584	3503	2762	0006420	1741	14943														
		STD	1300	0537	3502	2767	0005950	1803	14941														
		STD	1400	0490	3501	2772	0005474	1860	14938														
		STD	1500	0443	3500	2776	0005001	1913	14935														
003		OBS	T1525	0431	35000	2777			14935														

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INDIC	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10°	1°	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	061	RC	3158 N	06739 W		115	17	11	20	055	1966	A62 003		4846	47	10	3	4		X1	8	2	0003
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
		COLOR CODE	TRANS. m	DIR.	SPEED OF FORCE			DRY BULB	WET BULB														
						23	504	182	211					174	7								
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DTN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	NO ₃ -N $\mu\text{g} - \text{at/l}$	Si O ₄ -Si $\mu\text{g} - \text{at/l}$	pH						
		STD	0000	2276	3643	2510	0028671		0000	15310													
055		OBS	0000	2276	36428	2510				15310													
		STD	0010	2277	3643	2510	0028737		0029	15312													
055		OBS	0010	2277	36430	2510Q																	
		STD	0020	2274	3643	2511	0028702		0057	15313													
		STD	0030	2273	3643	2511	0028714		0086	15314													
055		OBS	0030	2273	36427	2511				15314													
		STD	0050	2274	3643	2511	0028798		0144	15318													
055		OBS	0051	2274	36430	2511				15318													
		STD	0075	2098	3667	2579	0022455		0208	15279													
055		OBS	0077	2087	36683	2583				15277													
		STD	0100	2005	3668	2605	0020084		0461	15259													
055		OBS	0103	1995	36674	2607				15256													
		STD	0125	1925	3663	2622	0018531		0309	15240													
		STD	0150	1867	3659	2634	0017486		0354	15228													
055		OBS	T0153	1862	36582	2634				15227													
		STD	0200	1825	3656	2642	0016864		0440	15224													
055		OBS	0204	1823	36558	2642				15224													
		STD	0250	1828	3658	2643	0016988		0525	15233													
		STD	0300	1833	3660	2643	0017136		0610	15243													
055		OBS	0301	1833	36597	2643				15243													
055		OBS	T0399	1748	36448	2653				15233													
		STD	0400	1748	3645	2653	0016531		0778	15233													
		STD	0500	1690	3629	2654	0016643		0944	15230													
		STD	0600	1581	3613	2668	0015601		1105	15211													
055		OBS	0605	1574	36124	2669				15210													
		STD	0700	1409	3581	2681	0014471		1256	15170													
		STD	0800	1206	3551	2699	0012779		1392	15115													
055		OBS	T0816	1171	35469	2703				15105													
		STD	0900	0965	3525	2723	0010429		1508	15042													
055		OBS	0923	0917	35211	2728				15028													
		STD	1000	0783	3512	2741	0008515		1603	14989													
055		OBS	T1030	0737	35095	2746				14976													
		STD	1100	0684	3509	2753	0007348		1682	14967													
		STD	1200	0615	3508	2762	0006530		1751	14956													
		STD	1300	0556	3507	2768	0005874		1814	14949													
		STD	1400	0505	3506	2774	0005341		1870	14945													
064		OBS	1440	0488	35052	2775				14945													
		STD	1500	0474	3504	2776	0005162		1922	14949													
		STD	1750	0423	3502	2780	0004845		2047	14969													
064		OBS	T1930	0393	35000	2782				14987													
		STD	2000	0385	3499	2782	0004752		2167	14996													
064		OBS	2428	0340																			
		STD	2500	0333	3496	2784	0004610		2401	15059													
064		OBS	T2926	0294	34940	2786				15115													
		STD	3000	0287	3494	2787	0004394		2626	15125													
064		OBS	3430	0254	34928	2789				15186													
064		OBS	3934	0233	34905	2789				15265													
		STD	4000	0231	3491	2789	0004254		3059	15275													
064		OBS	T4695	0224	34933	2792				15396													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPT INDEX	MARSOEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER				
CTRY CODE	ID. NO.						10"	1"	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT		
31	1061	RC	3200 N	06846 W		115	28	11	20	116	1966	A62	004	4975	15	26	2	2		X1	8	2	0004			
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTH	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
								26	508		179	211					169	7	14							
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T		SPECIFIC VOLUME ANDALTY-210°		Σ Δ D OYN, M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₃ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S CUT							
		STD	0000	2323	3643	2497		0029923		0000	15322															
117		OBS	0000	2323	36434	2497					15322															
		STD	0010	2322	3644	2498		0029877		0030	15323															
117		OBS	0010	2322	36442	2498					15323															
		STD	0020	2322	3644	2498		0029911		0060	15325															
		STD	0030	2321	3644	2498		0029946		0090	15326															
117		OBS	0031	2321	36440	2498					15326															
		STD	0050	2322	3644	2498		0030048		0150	15330															
117		OBS	0053	2322	36438	2498					15330															
		STD	0075	2320	3644	2499		0030078		0225	15334															
117		OBS	0078	2320	36444	2499					15334															
		STD	0100	2122	3669	2574		0023035		0291	15290															
117		OBS	0105	2086	36722	2586					15282															
		STD	0125	2002	3667	2605		0020173		0345	15262															
		STD	0150	1920	3661	2622		0018642		0394	15243															
117		OBS	T0157	1902	36601	2626					15239															
		STD	0200	1841	3656	2638		0017250		0484	15228															
117		OBS	0207	1834	36553	2639					15227															
		STD	0250	1821	3655	2642		0017029		0569	15230															
		STD	0300	1802	3654	2647		0016782		0654	15233															
117		OBS	0308	1799	36542	2647					15234															
		STD	0400	1758	3646	2651		0016674		0821	15236															
117		OBS	T0408	1753	36450	2652					15236															
		STD	0500	1706	3634	2655		0016648		0988	15235															
		STD	0600	1596	3615	2666		0015809		1150	15216															
117		OBS	0612	1578	36120	2668					15212															
		STD	0700	1385	3580	2685		0014038		1299	15162															
		STD	0800	1175	3550	2704		0012251		1431	15104															
117		OBS	T0816	1142	35454	2707					15094															
		STD	0900	0958	3528	2726		0010089		1542	15040															
		STD	1000	0774	3512	2743		0008371		1635	14986															
117		OBS	1022	0739	35089	2745					14975															
		STD	1100	0693	3508	2751		0007584		1714	14970															
		STD	1200	0634	3506	2758		0006957		1787	14964															
		STD	1300	0576	3505	2764		0006335		1854	14957															
		STD	1400	0517	3503	2770		0005729		1914	14949															
		STD	1500	0458	3502	2776		0005125		1968	14942															
117		OBS	T1531	0440	35010	2777					14939															

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE " 1/10	LONGITUDE " 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER					
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10	CRUISE NO.		STATION NUMBER	DIR.			HGT	PER	SEA		TYPE	AMT						
311	061	RC	3158 N	07000 W		116	10	11	20	168	1966	A62	005	5121	47	34	6	3		X2	6	8	0005					
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS														
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS. CODE															
								02	S20	187	206	172	7	21														
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ D OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	STC											
		STD	0000	2366	3654	2492	0030388	0000	15333																			
168		OBS	0000	2366	36536	2492			15333																			
168		OBS	0009	2367	36539	2492			15335																			
		STD	0010	2367	3654	2492	0030428	0030	15335																			
		STD	0020	2367	3654	2493	0030454	0061	15337																			
		STD	0030	2366	3654	2493	0030473	0091	15338																			
168		OBS	0030	2366	36541	2493			15338																			
		STD	0050	2367	3654	2492	0030589	0152	15342																			
168		OBS	0051	2367	36535	2492			15342																			
		STD	0075	2363	3653	2493	0030628	0229	15345																			
168		OBS	0077	2363	36534	2493			15345																			
		STD	0100	2140	3668	2568	0023582	0297	15295																			
168		OBS	0103	2117	36694	2575			15289																			
		STD	0125	2015	3666	2601	0020575	0352	15265																			
		STD	0150	1929	3663	2621	0018721	0401	15246																			
168		OBS	T0154	1918	36625	2623			15243																			
		STD	0200	1856	3657	2635	0017541	0492	15233																			
168		OBS	0206	1849	36559	2636			15231																			
		STD	0250	1821	3653	2641	0017159	0578	15230																			
		STD	0300	1786	3649	2646	0016783	0663	15228																			
168		OBS	0309	1780	36486	2648			15228																			
168		OBS	T0399	1712	36378	2656			15221																			
		STD	0400	1711	3638	2656	0016176	0828	15221																			
		STD	0500	1603	3615	2664	0015684	0987	15202																			
		STD	0600	1462	3592	2678	0014548	1138	15171																			
168		OBS	0619	1432	35872	2681			15164																			
		STD	0700	1268	3563	2696	0012879	1276	15121																			
		STD	0800	1073	3538	2714	0011205	1396	15066																			
168		OBS	T0826	1023	35323	2718			15052																			
		STD	0900	0883	3518	2731	0009534	1500	15011																			
168		OBS	0928	0833	35138	2735			14996																			
		STD	1000	0707	3507	2748	0007692	1586	14959																			
168		OBS	T1029	0663	35053	2753			14946																			
		STD	1100	0620	3504	2758	0006759	1658	14941																			
		STD	1200	0565	3503	2764	0006171	1723	14935																			
		STD	1300	0518	3502	2769	0005701	1782	14933																			
		STD	1400	0477	3501	2773	0005316	1837	14933																			
177		OBS	T1476	0451	35008	2776			14935																			
		STD	1500	0448	3501	2776	0005036	1889	14938																			
		STD	1750	0415	3501	2780	0004821	2012	14966																			
		STD	2000	0386	3501	2783	0004636	2130	14996																			
177		OBS	T2020	0384	35008	2783			14999																			
		STD	2500	0337	3497	2785	0004597	2361	15060																			
177		OBS	2532	0334	35000	27870																						
		STD	3000	0295	3494	2786	0004515	2589	15128																			
177		OBS	T3066	0290	34934	2786			15138																			
177		OBS	3602	0250	34920	2789			15214																			
		STD	4000	0237	3490	2788	0004403	3035	15278																			
177		OBS	4140	0234	34898	2788			15301																			
177		OBS	T4681	0230	34906	2789			15396																			

TABLE V.—Continued

REFERENCE CITY CODE	IO. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INCH	MARSCHEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOCC STATION NUMBER
						10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)		DRY BULB	WET BULB			VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
311061		RC	3215 N	07030 W		116	20	11	20	214	1966	A62	006	5303	16	01	6	4		X1	8	2	0006
						WATER		WIND		BARO- METER		AIR TEMP. °C											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
								03	516	195	200	150	7	13									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ OBS. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ol/l	TOTAL-P μg - ol/l	NO ₂ -N μg - ol/l	NO ₃ -N μg - ol/l	SiO ₄ -Si μg - ol/l	pH	S C						
		STD	0000	2366	3657	2495	0030165	0000	15334														
	214	OBS	0000	2366	36567	2495			15334														
		STD	0010	2365	3657	2495	0030158	0030	15335														
	214	OBS	0011	2365	36570	2495			15335														
		STD	0020	2366	3657	2495	0030221	0060	15337														
		STD	0030	2367	3657	2495	0030289	0091	15339														
	214	OBS	0031	2367	36566	2494			15339														
		STD	0050	2366	3657	2495	0030383	0151	15342														
	214	OBS	0052	2366	36565	2495			15342														
		STD	0075	2365	3657	2495	0030422	0227	15346														
		OBS	0079	2365	36578	2496			15347														
		STD	0100	2072	3666	2585	0021946	0293	15277														
	214	OBS	0105	2020	36672	2600			15264														
		STD	0125	1956	3662	2613	0019375	0344	15249														
		STD	0150	1895	3658	2626	0018243	0391	15235														
	214	OBS	T0158	1880	36570	2629			15232														
		STD	0200	1841	3655	2638	0017293	0480	15228														
	214	OBS	0211	1832	36550	2640			15227														
		STD	0250	1818	3654	2642	0017015	0566	15230														
		STD	0300	1794	3651	2646	0016829	0651	15230														
	214	OBS	0317	1784	36496	2647			15230														
		STD	0400	1732	3637	2651	0016710	0818	15227														
		STD	0500	1640	3619	2659	0016205	0983	15214														
		STD	0600	1515	3599	2672	0015162	1140	15189														
	214	OBS	0636	1462	35911	2677			15177														
		STD	0700	1342	3572	2688	0013725	1284	15147														
		STD	0800	1155	3547	2706	0012085	1413	15096														
	214	OBS	T0851	1059	35358	2715			15070														
		STD	0900	0951	3527	2726	0010039	1524	15037														
		STD	1000	0761	3512	2745	0008165	1615	14981														
	214	OBS	1058	0669	35054	2752			14953														
		STD	1100	0650	3505	2755	0007120	1691	14953														
		STD	1200	0606	3505	2760	0006647	1760	14952														
		STD	1300	0562	3504	2765	0006176	1824	14951														
		STD	1400	0517	3503	2770	0005704	1884	14950														
		STD	1500	0473	3503	2775	0005234	1938	14948														
	214	OBS	T1572	0441	35024	2778			14947														

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOQC STATION NUMBER
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
31	1061	RC	3229 N	07055 W	116	20	11	21	006	1966	A62	007	5139	15	01	6	4		X1	8	2		0007
						WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
								03	S21	210	195	150	7	14									
MESSNGR TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta O$ OYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - dl/l$	TOTAL-P $\mu g - dl/l$	NO ₂ -N $\mu g - dl/l$	NO ₃ -N $\mu g - dl/l$	SiO ₄ -Si $\mu g - dl/l$	pH						
		STD	0000	2369	3650	2489	0030746		0000	15334													
006		OBS	0000	2369	36498	2489				15334													
		STD	0010	2369	3650	2489	0030772		0031	15335													
006		OBS	0010	2369	36500	2489				15335													
		STD	0020	2369	3650	2489	0030791		0062	15337													
006		OBS	0029	2368	36501	2489				15338													
		STD	0030	2368	3650	2489	0030824		0092	15338													
006		OBS	0048	2368	36490	2488				15341													
		STD	0050	2368	3649	2488	0030977		0154	15342													
006		OBS	0072	2368	36495	2489				15345													
		STD	0075	2338	3654	2501	0029876		0230	15339													
006		OBS	0095	2163	36764	2568				15301													
		STD	0100	2134	3675	2575	0022918		0296	15294													
		STD	0125	2012	3668	2603	0020355		0350	15265													
006		OBS	T0143	1945	36642	2618				15249													
		STD	0150	1930	3663	2621	0018746		0399	15246													
006		OBS	0191	1857	36567	2635				15231													
		STD	0200	1851	3656	2636	0017492		0490	15231													
		STD	0250	1821	3654	2642	0017087		0576	15230													
006		OBS	0287	1802	36518	2645				15231													
		STD	0300	1799	3651	2645	0016927		0661	15232													
006		OBS	T0383	1768	36480	2650				15236													
		STD	0400	1762	3647	2651	0016697		0829	15237													
		STD	0500	1697	3634	2657	0016437		0995	15233													
006		OBS	0578	1611	36189	2665				15218													
		STD	0600	1577	3612	2668	0015598		1155	15210													
		STD	0700	1405	3583	2684	0014242		1304	15169													
006		OBS	T0775	1260	35617	2697				15130													
		STD	0800	1193	3554	2704	0012309		1437	15110													
		STD	0900	0954	3526	2725	0010164		1550	15038													
006		OBS	0972	0809	35102	2736				14994													
		STD	1000	0788	3510	2739	0008767		1644	14991													
		STD	1100	0715	3508	2748	0007907		1728	14979													
		STD	1200	0641	3506	2757	0007068		1802	14966													
		STD	1300	0567	3504	2765	0006245		1869	14953													
		STD	1400	0493	3502	2772	0005453		1927	14940													
006		OBS	T1468	0443	35009	2777				14930													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DEPT INSTR	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGH	PER	SEA		TYPE	AMT	
31	1061	RC	3250 N	07130 W		116	21	11	21	040	1966	A62	008	5120	49	01	6	4		X1	8	2	0008
						WATER		WIND		BARO- METER (mbal)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTMS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB											
								03	S14	225	181	126	7	21									
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t 07		Σ Δ D DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	ND ₃ -N μg - at/l	ND ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	S C C					
		STD	0000	2310	3638	2497	0029974		0000	15318													
040		OBS	0000	2310	36377	2497				15318													
		STD	0010	2309	3637	2497	0030037		0030	15319													
040		OBS	0010	2309	36370	2497				15319													
		STD	0020	2310	3638	2497	0030057		0060	15321													
040		OBS	0028	2310	36379	2497				15323													
		STD	0030	2310	3638	2497	0030081		0090	15323													
040		OBS	0047	2311	36377	2496				15326													
		STD	0050	2312	3638	2496	0030212		0150	15327													
040		OBS	0070	2316	36387	2496				15331													
		STD	0075	2331	3642	2494	0030545		0426	15336													
040		OBS	0093	2336	36511	2499				15341													
		STD	0100	2265	3654	2522	0027955		0499	15325													
		STD	0125	2061	3662	2585	0022045		0362	15277													
040		OBS	T0140	1977	36642	2609				15257													
		STD	0150	1957	3663	2614	0019419		0414	15253													
040		OBS	0184	1898	36596	2626				15242													
		STD	0200	1880	3659	2630	0017981		0507	15240													
		STD	0250	1836	3656	2639	0017304		0596	15235													
040		OBS	0272	1822	36550	2642				15234													
		STD	0300	1815	3655	2644	0017044		0681	15237													
040		OBS	T0361	1797	36532	2647				15242													
		STD	0400	1780	3653	2651	0016694		0850	15243													
		STD	0500	1737	3646	2656	0016509		1016	15246													
040		OBS	0546	1717	36386	2655				15247													
		STD	0600	1649	3624	2660	0016368		1180	15234													
		STD	0700	1478	3594	2676	0015011		1337	15193													
040		OBS	T0736	1403	35823	2683				15174													
		STD	0800	1246	3560	2698	0012915		1477	15129													
040		OBS	0833	1164	35488	2705				15105													
		STD	0900	0992	3527	2720	0010760		1595	15052													
040		OBS	T0931	0920	35182	2725				15030													
		STD	1000	0841	3515	2735	0009239		1695	15011													
		STD	1100	0737	3512	2748	0007950		1781	14988													
		STD	1200	0645	3508	2758	0006978		1856	14968													
		STD	1300	0567	3505	2765	0006179		1922	14953													
		STD	1400	0502	3502	2771	0005591		1981	14943													
		STD	1500	0449	3500	2775	0005108		2034	14938													
049		OBS	T1527	0437	34991	2776				14937													
		STD	1750	0411	3499	2779	0004897		2159	14964													
		STD	2000	0385	3499	2781	0004760		2280	14996													
049		OBS	T2019	0383																			
		STD	2500	0340	3499	2786	0004526		2512	15062													
049		OBS	2510	0339																			
		STD	3000	0298	3498	2790	0004252		2731	15130													
049		OBS	T3004	0298	34984	2790				15131													
049		OBS	3495	0259	34932	2789				15199													
049		OBS	3988	0241	34915	2789				15278													
		STD	4000	0241	3492	2790	0004329		3160	15280													
049		OBS	T4925	0233	34994	2796				15442													

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIR. INDIC.	MARSEEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
311	061	RC	3310 N	07200 W		116	32	11	21	088	1966	A62	009	5028	15	01	5	4		X0	0		0009
						WATER		WIND		AIR TEMP. °C		BARO- METER (mba)		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB										
									36	S14	229	172	116	7	14								
MESSNGR TIME NR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t		$\Sigma \Delta \sigma$ DYN. AL. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ol/l}$	TOTAL-P $\mu\text{g} - \text{ol/l}$	NO ₂ -N $\mu\text{g} - \text{ol/l}$	NO ₃ -N $\mu\text{g} - \text{ol/l}$	SIO ₄ -Si $\mu\text{g} - \text{ol/l}$	pH	3 C					
		STD	0000	2321	3631	2489	0030762		0000	15320													
088		OBS	0000	2321	36310	2489				15320													
		STD	0010	2322	3631	2488	0030851		0031	15322													
088		OBS	0010	2322	36307	2488				15322													
		STD	0020	2322	3631	2488	0030869		0062	15323													
		STD	0030	2322	3631	2488	0030901		0093	15325													
088		OBS	0030	2322	36311	2488				15325													
		STD	0050	2320	3631	2489	0030935		0154	15328													
088		OBS	0051	2320	36309	2489				15328													
		STD	0075	2310	3631	2492	0030754		0231	15329													
088		OBS	0077	2309	36317	2493				15330													
		STD	0100	2300	3642	2503	0029783		0307	15332													
088		OBS	0101	2298	36425	2504				15332													
		STD	0125	2118	3656	2565	0023963		0374	15292													
		STD	0150	1982	3663	2607	0020048		0429	15260													
088		OBS	0153	1969	36635	2611				15257													
		STD	0200	1874	3658	2631	0017907		0524	15238													
088		OBS	0204	1868	36579	2633				15237													
		STD	0250	1838	3656	2639	0017352		0612	15235													
		STD	0300	1815	3655	2644	0017044		0698	15237													
088		OBS	0305	1813	36547	2644				15237													
		STD	0400	1796	3653	2647	0017075		0869	15248													
088		OBS	T0407	1794	36523	2647				15248													
		STD	0500	1778	3648	2648	0017343		1041	15258													
		STD	0600	1707	3635	2655	0016925		1412	15252													
088		OBS	0612	1695	36331	2656				15250													
		STD	0700	1574	3609	2666	0016053		1377	15225													
		STD	0800	1399	3581	2683	0014538		1530	15183													
088		OBS	T0817	1365	35758	2686				15174													
		STD	0900	1141	3546	2708	0012128		1664	15108													
		STD	1000	0912	3518	2726	0010218		1775	15038													
088		OBS	1019	0874	35137	2729				15027													
		STD	1100	0805	3512	2738	0009074		1872	15014													
		STD	1200	0719	3509	2748	0008062		1957	14997													
		STD	1300	0634	3506	2758	0007087		2033	14980													
		STD	1400	0548	3503	2767	0006148		2099	14962													
		STD	1500	0463	3501	2774	0005245		2156	14944													
088		OBS	T1502	0461	35006	2775				14943													

TABLE V.—Continued

REFERENCE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	MARKS ON SQUARE	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
					10"	1"	MO	DAY		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
					10"	1"	MO	DAY		HR.	1/10										
311061	RC	3331 N	07234 W	116 32	11 21	118	1966	A62	010		4901	16	01	5	4		X1	8	5	0010	
				WATER		WIND		AIR TEMP. °C													
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbs)		DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
							02	S20	245	172	125	7	14								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-2107		Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH			S.C.	
		STD	0000	2309	3633	2494	0030257		0000	15317											
118		OBS	0000	2309	36334	2494				15317											
118		OBS	0009	2309	36331	2494				15319											
		STD	0010	2309	3633	2494	0030318		0030	15319											
		STD	0020	2309	3633	2494	0030357		0061	15320											
		OBS	0027	2309	36331	2494				15322											
		STD	0030	2309	3633	2494	0030390		0091	15322											
118		OBS	0046	2309	36338	2494				15325											
		STD	0050	2309	3634	2494	0030424		0152	15326											
118		OBS	0070	2310	36345	2494				15329											
		STD	0075	2297	3644	2505	0029457		0227	15328											
118		OBS	0093	2236	36693	2542				15318											
		STD	0100	2184	3668	2556	0024753		0294	15306											
		STD	0125	2027	3664	2596	0021026		0352	15268											
118		OBS	T0140	1954	36624	2614				15251											
		STD	0150	1922	3661	2621	0018692		0401	15243											
118		OBS	0191	1824	36579	2644				15222											
		STD	0200	1824	3658	2644	0016695		0490	15224											
		STD	0250	1824	3658	2644	0016870		0574	15232											
118		OBS	0290	1822	36581	2644				15238											
		STD	0300	1822	3658	2644	0016996		0658	15239											
118		OBS	0392	1812	36573	2646				15251											
		STD	0400	1810	3657	2647	0017128		0829	15252											
		STD	0500	1780	3650	2649	0017244		1001	15259											
		STD	0600	1750	3643	2651	0017358		1174	15266											
118		OBS	0602	1749	36429	2651				15266											
		STD	0700	1593	3611	2663	0016338		1342	15231											
		STD	0800	1403	3580	2682	0014696		1497	15184											
118		OBS	T0818	1366	35745	2685				15174											
		STD	0900	1139	3547	2709	0012017		1631	15107											
		STD	1000	0904	3521	2730	0009863		1740	15036											
118		OBS	1039	0825	35121	2735				15011											
		STD	1100	0783	3511	2740	0008771		1834	15006											
		STD	1200	0715	3509	2749	0007986		1917	14996											
		STD	1300	0647	3507	2757	0007225		1993	14985											
		STD	1400	0579	3505	2764	0006480		2062	14975											
		STD	1500	0511	3503	2771	0005748		2123	14964											
118		OBS	T1595	0446	35012	2777				14953											

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DRIFT INCHES	MARSDEN SQUARE		STATION TIME IGMT				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEA- TER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR.	1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
311061	RC	3347 N	07300 W	116	33	11	21	147	1966	A62	011	4572	43	04	5	3			X1	8	3		0011	

WATER	WIND	WIND	SPEED	WAVE	AIR TEMP.	VIS.	NO.	SPECIAL
COLOR	TRANS.	DIR.	OR FORCE	BARO-	DRY	WET	DEPTHS	OBSERVATIONS
CODE	101			METER	BULE	BULB		
		04	517	253	171	133	7	20

MESSAGE	CARD	CARD	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME	S. Δ D	SOUND	O ₂ ml/l	PO ₄ -P	TOTAL-P	NO ₂ -H	NO ₃ -H	SiO ₄ -Si	pH	S
TIME	NO.	TYPE					ANOMALY-310°	DTM, M.	VELOCITY		μg - at/l	μg - at/l	μg - at/l	μg - at/l	μg - at/l		C
HR 1/10								X 10 ³									
		STD	0000	2296	3635	2499	0029783	0000	15314								
147		OBS	0000	2296	36350	2499			15314								
		STD	0010	2296	3635	2499	0029822	0030	15316								
147		OBS	0011	2296	36349	2499			15316								
		STD	0020	2296	3635	2499	0029858	0060	15317								
		STD	0030	2295	3635	2499	0029891	0090	15319								
147		OBS	0033	2295	36348	2499			15319								
		STD	0050	2295	3635	2499	0029952	0149	15322								
147		OBS	0055	2295	36355	2499			15323								
		STD	0075	2294	3638	2501	0029822	0224	15326								
147		OBS	0082	2293	36384	2502			15327								
		STD	0100	2096	3657	2572	0023220	0490	15282								
147		OBS	0109	2021	36637	2597			15264								
		STD	0125	1979	3663	2608	0019866	0344	15255								
		STD	0150	1924	3663	2622	0018633	0392	15244								
147		OBS	T0163	1900	36621	2628			15239								
		STD	0200	1854	3658	2636	0017420	0482	15232								
147		OBS	0218	1836	36560	2639			15230								
		STD	0250	1826	3656	2642	0017063	0569	15232								
		STD	0300	1809	3655	2645	0016900	0654	15235								
147		OBS	0328	1800	36537	2647			15237								
		STD	0400	1780	3650	2649	0016909	0823	15243								
147		OBS	T0442	1759	36459	2651			15243								
		STD	0500	1723	3638	2653	0016758	0991	15241								
		STD	0600	1625	3620	2663	0016107	1155	15226								
147		OBS	0660	1545	36063	2671			15209								
		STD	0700	1463	3592	2678	0014830	1310	15188								
		STD	0800	1264	3560	2695	0013274	1451	15135								
147		OBS	T0893	1083	35371	2711			15085								
		STD	0900	1070	3536	2713	0011519	1574	15082								
147		OBS	0999	0883	35191	2731			15028								
		STD	1000	0881	3519	2732	0009617	1080	15027								
		STD	1100	0691	3506	2750	0007675	1767	14969								
147		OBS	T1112	0671	35047	2752			14963								
		STD	1200	0617	3505	2759	0006801	1839	14956								
		STD	1300	0562	3505	2766	0006129	1904	14951								
		STD	1400	0515	3505	2772	0005577	1962	14949								
		STD	1500	0474	3505	2776	0005111	2016	14949								
155		OBS	T1575	0448	35047	2779			14951								
		STD	1750	0424	3503	2781	0004786	2139	14970								
		STD	2000	0393	3501	2782	0004721	2258	14999								
155		OBS	T2122	0379	35008	2784			15014								
		STD	2500	0345	3501	2787	0004462	2488	15064								
155		OBS	2674	0330	35003	2788			15088								
		STD	3000	0303	3498	2789	0004352	2708	15132								
155		OBS	3221	0286	34966	2789			15163								
155		OBS	3766	0245	34916	2789			15240								
		STD	4000	0235	3490	2788	0004370	3144	15277								
155		OBS	T4324	0230	34898	2789			15332								

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DATE MO DAY	MARSDEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER				
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR	1/10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER		SEA	TYPE	AMT	
311	061	RC	3406 N	07330 W	11	21	116	43	11	21	199	1966	A62	012	4224	15	05	5	3		X1	8	6		0012
						WATER		WIND		BARO-METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE		DRY BULB	WET BULB													
								05	516	246	182	134	7	14											
MESSNGR TIME OF HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ σ DYN. M. X 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	Si O ₄ -Si μg - at/l	pH	S CC								
		STD	0000	2260	3639	2512	0028493	0000	15306																
199		OBS	0000	2260	36392	2512			15306																
		STD	0010	2255	3638	2513	0028454	0028	15306																
199		OBS	0010	2255	36384	2513			15306																
		STD	0020	2253	3639	2514	0028417	0057	15307																
199		OBS	0029	2252	36389	2514			15308																
		STD	0030	2252	3639	2514	0028417	0085	15309																
199		OBS	0048	2254	36389	2514			15312																
		STD	0050	2254	3639	2514	0028542	0142	15312																
199		OBS	0073	2252	36390	2514			15316																
		STD	0075	2232	3642	2522	0027823	0213	15311																
199		OBS	0096	2058	36640	2587			15272																
		STD	0100	2044	3664	2591	0021369	0274	15269																
		STD	0125	1966	3662	2610	0019625	0325	15252																
199		OBS	T0148	1912	36601	2623			15240																
		STD	0150	1909	3660	2624	0018443	0373	15240																
199		OBS	0193	1855	36579	2636			15231																
		STD	0200	1855	3658	2636	0017423	0463	15232																
		STD	0250	1850	3661	2639	0017296	0550	15239																
199		OBS	0288	1839	36627	2644			15243																
		STD	0300	1833	3661	2644	0017045	0635	15243																
199		OBS	T0386	1786	36518	2649			15242																
		STD	0400	1778	3650	2649	0016844	0805	15242																
		STD	0500	1722	3639	2655	0016655	0972	15241																
199		OBS	0582	1676	36300	2659			15239																
		STD	0600	1645	3624	2661	0016276	1137	15232																
		STD	0700	1462	3592	2678	0014808	1292	15188																
199		OBS	T0779	1305	35684	2693			15147																
		STD	0800	1250	3562	2699	0012850	1431	15131																
		STD	0900	1013	3533	2721	0010699	1548	15061																
199		OBS	0987	0839	35138	2734			15008																
		STD	1000	0829	3513	2735	0009156	1648	15007																
		STD	1100	0752	3510	2745	0008313	1735	14993																
		STD	1200	0674	3507	2753	0007487	1814	14979																
		STD	1300	0597	3504	2761	0006696	1885	14965																
		STD	1400	0519	3501	2768	0005924	1948	14950																
		STD	1500	0442	3498	2774	0005187	2004	14935																
199		OBS	T1509	0435	34973	2775			14933																

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	OBS. INDEX	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S				DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10°	1°	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER	DIR.	HGT			PER	SEA	TYPE	AMT				
31	061	RC	3423 N	07400 W		116	44	11	21	228	1966	A62	013	3658	16	06	5	3		X1	8	7		0013	
		WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS													
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB																		
						10	S13	247	178	134	7	13													
MESSAGE TIME HR 1/10	CST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t	Σ Δ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - at/l	TOTAL-P μg - at/l	NO ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C/C								
		STD	0000	2252	3641	2516	0028138	0000	15304																
228		OBS	0000	2252	36411	2516			15304																
		STD	0010	2251	3639	2515	0028273	0028	15305																
228		OBS	0010	2251	36394	2515			15305																
		STD	0020	2252	3640	2515	0028283	0056	15307																
		STD	0030	2252	3640	2515	0028335	0085	15309																
228		OBS	0031	2252	36405	2516			15309																
		STD	0050	2252	3640	2515	0028406	0142	15312																
228		OBS	0052	2252	36401	2515			15312																
		STD	0075	2252	3640	2515	0028511	0213	15316																
228		OBS	0079	2252	36400	2515			15317																
		STD	0100	2098	3661	2574	0022984	0277	15283																
228		OBS	0105	2068	36643	2585			15276																
		STD	0125	1991	3661	2603	0020327	0331	15258																
		STD	0150	1916	3659	2621	0018688	0380	15241																
228		OBS	T0157	1900	36581	2625			15238																
		STD	0200	1850	3656	2636	0017468	0470	15231																
228		OBS	0211	1840	36557	2638			15230																
		STD	0250	1830	3655	2640	0017231	0557	15233																
		STD	0300	1812	3653	2643	0017116	0643	15236																
228		OBS	0318	1804	36523	2645			15236																
		STD	0400	1782	3647	2646	0017173	0814	15243																
		STD	0500	1710	3635	2654	0016669	0984	15237																
		STD	0600	1588	3616	2668	0015556	1145	15214																
228		OBS	0644	1519	36049	2676			15198																
		STD	0700	1388	3582	2686	0013957	1292	15163																
		STD	0800	1165	3547	2704	0012276	1423	15100																
228		OBS	T0864	1030	35305	2716			15061																
		STD	0900	0949	3525	2725	0010150	1536	15036																
		STD	1000	0750	3511	2745	0008065	1627	14976																
228		OBS	1075	0628	35029	2756			14940																
		STD	1100	0617	3503	2757	0006794	1701	14940																
		STD	1200	0575	3503	2763	0006296	1766	14939																
		STD	1300	0532	3503	2769	0005798	1827	14939																
		STD	1400	0490	3504	2774	0005300	1882	14938																
		STD	1500	0447	3504	2779	0004803	1933	14938																
228		OBS	T1594	0407	35040	2783			14937																

TABLE V.—Continued

MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME AND DENSITY	$\Sigma \Delta O$ OYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SiO ₄ -Si $\mu g - at/l$	pH	S C
		STD	0000	2282	3639	2506	0029117	0000	15311								
017		OBS	0000	2282	36389	2506			15311								
		STD	0010	2282	3639	2506	0029138	0029	15313								
		STD	0020	2281	3639	2506	0029163	0058	15314								
017		OBS	0022	2281	36391	2506			15314								
		STD	0030	2281	3639	2506	0029171	0087	15316								
017		OBS	0044	2280	36399	2507			15318								
		STD	0050	2280	3641	2508	0029111	0146	15319								
017		OBS	0071	2278	36439	2511			15322								
		STD	0075	2238	3653	2529	0027193	0216	15314								
017		OBS	0098	2039	36675	2595			15268								
		STD	0100	2034	3665	2595	0021040	0276	15266								
017		OBS	0103	18210	36623	26480											
		STD	0125	1970	3661	2609	0019798	0327	15253								
		STD	0150	1916	3659	2621	0018688	0376	15241								
		STD	0200	1834	3656	2640	0017081	0465	15226								
017		OBS	T0209	1823	36554	2642			15224								
		STD	0250	1811	3655	2645	0016774	0550	15228								
		STD	0300	1791	3653	2648	0016613	0633	15230								
017		OBS	0320	1782	36514	2649			15230								
		STD	0400	1741	3644	2654	0016416	0798	15231								
017		OBS	0432	1714	36395	2657			15227								
		STD	0500	1612	3619	2665	0015569	0958	15205								
		STD	0600	1444	3590	2681	0014278	1107	15166								
017		OBS	T0658	1338	35736	2690			15138								
		STD	0700	1239	3558	2698	0012668	1242	15110								
		STD	0800	1021	3527	2715	0011064	1361	15046								
017		OBS	0886	0853	35097	2729			14996								
		STD	0900	0813	3509	2734	0009041	1461	14984								
		STD	1000	0593	3505	2762	0006161	1537	14914								
		STD	1100	0495	3502	2772	0005157	1594	14890								
017		OBS	T1114	0491													
025		OBS	1120	0490	35016	2772			14891								
		STD	1200	0471	3500	2773	0005094	1645	14897								
		STD	1300	0449	3499	2775	0004979	1696	14904								
		STD	1400	0430	3498	2776	0004898	1745	14913								
		STD	1500	0413	3497	2777	0004840	1794	14923								
025		OBS	T1681	0389	34963	2779			14943								
		STD	1750	0386	3496	2779	0004750	1913	14953								
		STD	2000	0373	3497	2781	0004765	2032	14990								
025		OBS	T2152	0363	34966	2782			15012								
		STD	2500	0340	3495	2783	0004785	2271	15062								
025		OBS	2732	0315	34949	2785			15091								
		STD	3000	0276	3495	2789	0004185	2495	15121								
025		OBS	T3081	0262	34945	2790			15129								

TABLE V.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	GMR INDIC	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER			
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER	SEA		TYPE	AMT				
31	061	RC	3444 N	07505 W		116	45	11	22	072	1966	A62 015	2377	11	07	6	4		X6	8	8	0015				
						WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
						COLOR CODE	TRANS. UNIT	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
								04	520	261	166	137	7	13												
MESSNGR TIME HR 1/10	CAS NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	Σ Δ σ OYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - ml/l	TOTAL-P μg - ml/l	NO ₃ -N μg - ml/l	NO ₃ -N μg - ml/l	Si O ₄ -Si μg - ml/l	pH	S C									
		STD	0000	2535	3622	2418	0037511	0000	15370																	
072		OBS	0000	2535	36221	2418			15370																	
		STD	0010	2537	3623	2418	0037540	0038	15372																	
072		OBS	0011	2537	36234	2418			15373																	
		STD	0020	2537	3622	2417	0037647	0075	15374																	
		STD	0030	2536	3622	2417	0037673	0113	15375																	
072		OBS	0033	2536	36214	2417			15376																	
		STD	0050	2534	3621	2417	0037749	0188	15378																	
072		OBS	0055	2533	36210	2417			15379																	
		STD	0075	2533	3621	2418	0037831	0283	15382																	
072		OBS	0083	2533	36212	2418			15383																	
		STD	0100	2483	3643	2449	0034898	0374	15377																	
072		OBS	0110	2438	36520	2470			15369																	
		STD	0125	2283	3651	2515	0028764	0453	15333																	
		STD	0150	2075	3650	2572	0023367	0518	15284																	
072		OBS	T0165	1982	36494	2597			15261																	
		STD	0200	1888	3649	2621	0018900	0624	15241																	
072		OBS	0222	1839	36485	2633			15230																	
		STD	0250	1796	3648	2643	0016922	0714	15222																	
		STD	0300	1735	3646	2657	0015796	0795	15213																	
072		OBS	0336	1703	3649P	2667P																				
		STD	0400	1686	3632	2658	0016007	0954	15213																	
072		OBS	0451	1673	36204	2652			15216																	
		STD	0500	1607	3600	2652	0016830	1119	15201																	
		STD	0600	1376	3561	2673	0014951	1277	15140																	
072		OBS	0680	0668Q	35335	2775Q																				
		STD	0700	1013	3527	2716	0010707	1406	15027																	
		STD	0800	0520	3497	2765	0005505	1487	14650																	
072		OBS	T0810	0463	34943	2769			14628																	
072		OBS	1141Q	0435	34952	2773																				

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