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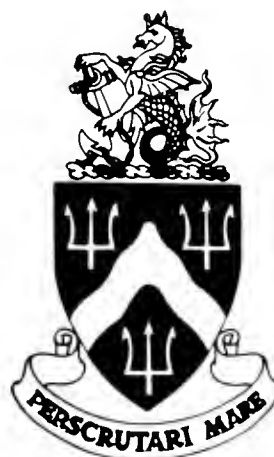
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REPORT No. 44 CG 373-44

OCEANOGRAPHIC OBSERVATIONS IN KANE BASIN AND BAFFIN BAY MAY AND AUGUST-OCTOBER 1969

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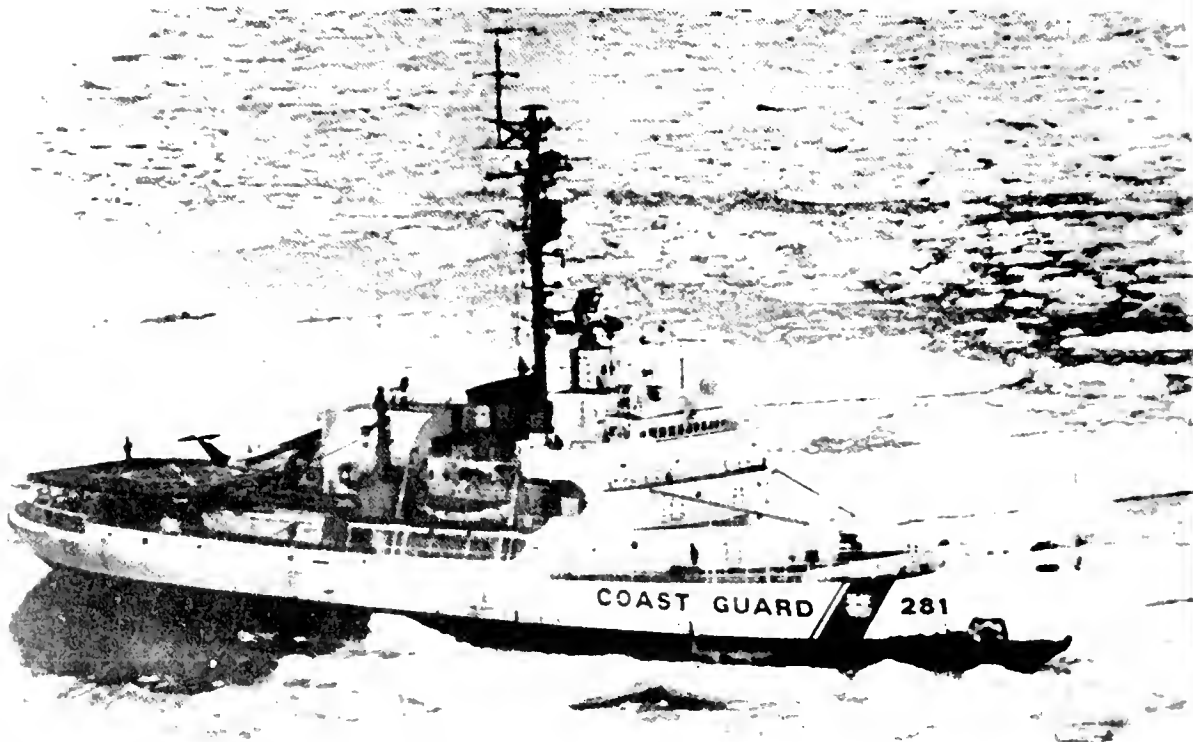
WASHINGTON, D.C.



OCTOBER 1971



USCGC SOUTHWIND (WAGB 280)



USCGC WESTWIND (WAGB 281)

ABSTRACT

Oceanographic conditions in Kane Basin during the spring and in northern Baffin Bay during the late summer and early fall of 1969 are described. Preliminary results of current meter measurements taken through the ice in Kane Basin are discussed. Vertical sections of temperature and salinity are presented and the relationship of these variables to Baffin Bay-North Water, Baffin Bay Deep Water and the general circulation of Baffin Bay is discussed. Analyses of isentropic diagrams and dynamic topography are also presented. Listings of physical and chemical station data are included.

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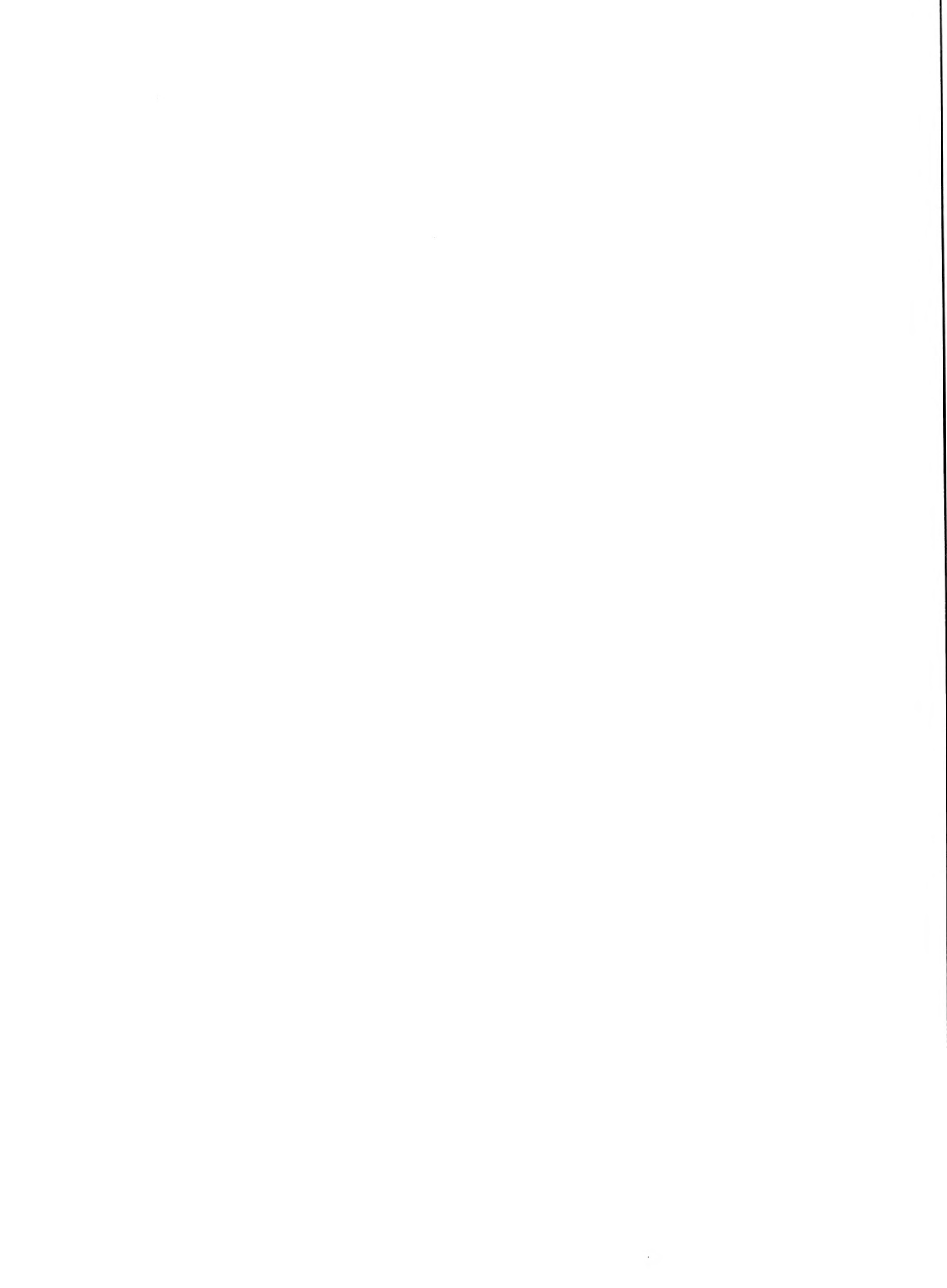


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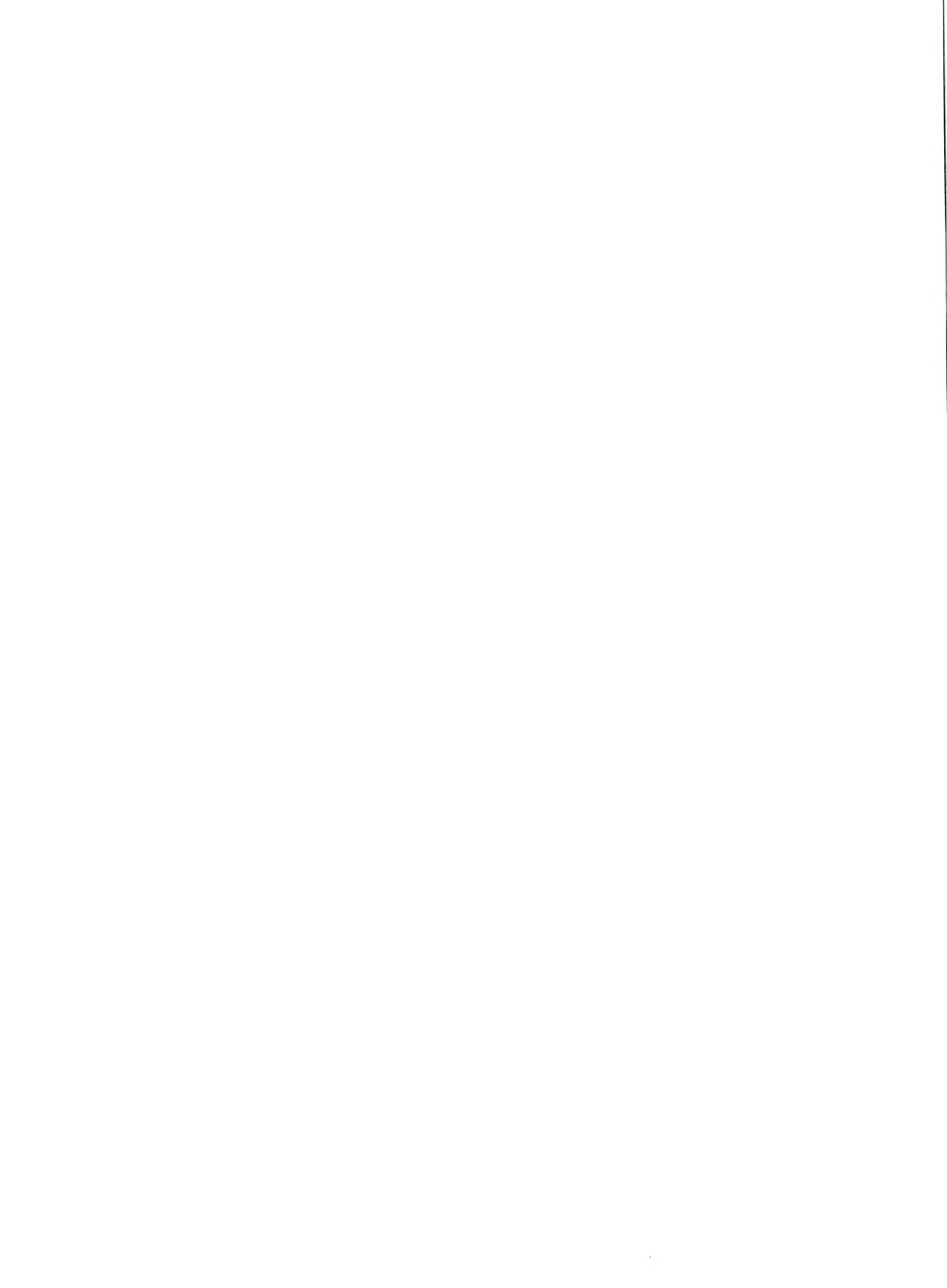
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PREFACE

This report is a presentation of the oceanographic data collected by scientists from the University of Washington and the Coast Guard Oceanographic Unit during cruises on the U.S. Coast Guard icebreakers CGC SOUTHWIND and CGC WESTWIND in Baffin Bay and from a station on the ice in Kane Basin. These cruises and this report are part of the U.S. Coast Guard support of the Baffin Bay-North Water project of the Arctic Institute of North America. The area surveyed consisted of Kane Basin and northern and northeastern Baffin Bay. Data discussed in this report include physical and chemical observations in these areas.

OCEANOGRAPHIC CONDITIONS AT A FIXED LOCATION IN WESTERN KANE BASIN, MAY 1969

by

ROBIN D. MUENCH¹

From 3 to 20 May 1969 a three man scientific party carried out an oceanographic sampling program from a fixed position (79°16'N, 72°48' W) on the fast ice in western Kane Basin (fig. 1). Sampling was conducted by Eddy Carmack and James Overland, both from the University of Washington, and Gordon Tidmarsh from McGill University. The project was carried out under the auspices of the Arctic Institute of North America's Baffin Bay-North Water Project, with logistical support provided by the Canadian Polar Continental Shelf Project. The details of the field work have been discussed by Tidmarsh, *et al.* (1969).

Scientific features and problems in the Northern Baffin Bay region have been summarized by Muench (1971). The purpose of the Kane Basin field program was to:

a. Determine the vertical temperature and salinity structures of the water column at a time of year when late winter (i.e., premelt) conditions were prevalent;

b. Attempt detection of south-flowing Arctic Ocean Water of the proper type to contribute to Baffin Bay Bottom Water; and

c. Obtain a series of current measurements to define the flow through Kane Basin.

The sampling was conducted in approximately the deepest portion of the channel (fig. 1). Depth at the station position was determined by lead line to be 237 m. Three stations per day were taken at fixed hours; a fourth was taken at a random time to reduce the effects of periodic phenomena (e.g., tidal and inertial) on the samples. Water samples were acquired from seven depths except for two stations (32 and 42); samples at these two stations were taken at 10-m intervals to detect fine structure in the water column. Standard Nansen bottles were used in obtaining samples.

Temperatures were read from reversing thermometers supplied by the University of Washington. Strong ambient temperature gradients inside the tent (which served as a laboratory) made it difficult to obtain agreement between the two thermometers on any one bottle. The temperature accuracy is estimated to be $\pm 0.03^\circ\text{C}$. Salinity samples were decanted into polyethylene bottles and returned to the University of Washington for analysis. The salinities are accurate to $\pm 0.02\%$.

Two Braincon Model 381 recording current meters were suspended through the ice at 50 to 150 m depths from 5 to 20 May. The deeper meter malfunctioned and yielded no data, while the shallower meter yielded a complete record. Speeds are estimated to be accurate to $\pm 3\%$ of the measured values, while directions are accurate only to about $\pm 20^\circ$ due to the weak horizontal magnetic field in the survey area.

The hydrographic results (fig. 2) indicated that time-dependent changes in the water column were negligible over the measurement period. A nearly homogeneous layer, characterized by frequent 0.02 to 0.03°C supercooling, extended from the surface down to 50 m. Temperature was assumed to be a more reliable indicator of downward convection than salinity (Aagaard and Coachman, 1968) and suggested downward convection to 100 m, below which strong thermo- and haloclines occurred down to 200 m. No water of the proper type to contribute to Baffin Bay Bottom Water (-0.38 to -0.40°C , 34.48 to 34.50‰) was detected.

The measured currents are summarized in the form of speed and direction histograms (fig. 3). The complete set of current measurements was too long for inclusion in this report, but may be obtained from the Department of Oceanography, University of Washington.

The directions were bimodal, with a general southward (about 220° T) flow and less frequent

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northward (about 360° T) flow. Some northwestward (270 -to- 360° T) flow occurred, but little eastward (90° T) flow was evident. The individual data points indicated that flow reversals coincided with the diurnal tidal currents.

Speeds were generally below 25 cm/sec, and much of the record showed no detectable motion. A small peak on the speed histogram at about 8 cm/sec is of unknown cause. It is concluded that a sluggish net southward flow was occurring, with occasional reversals leading to northward flow.

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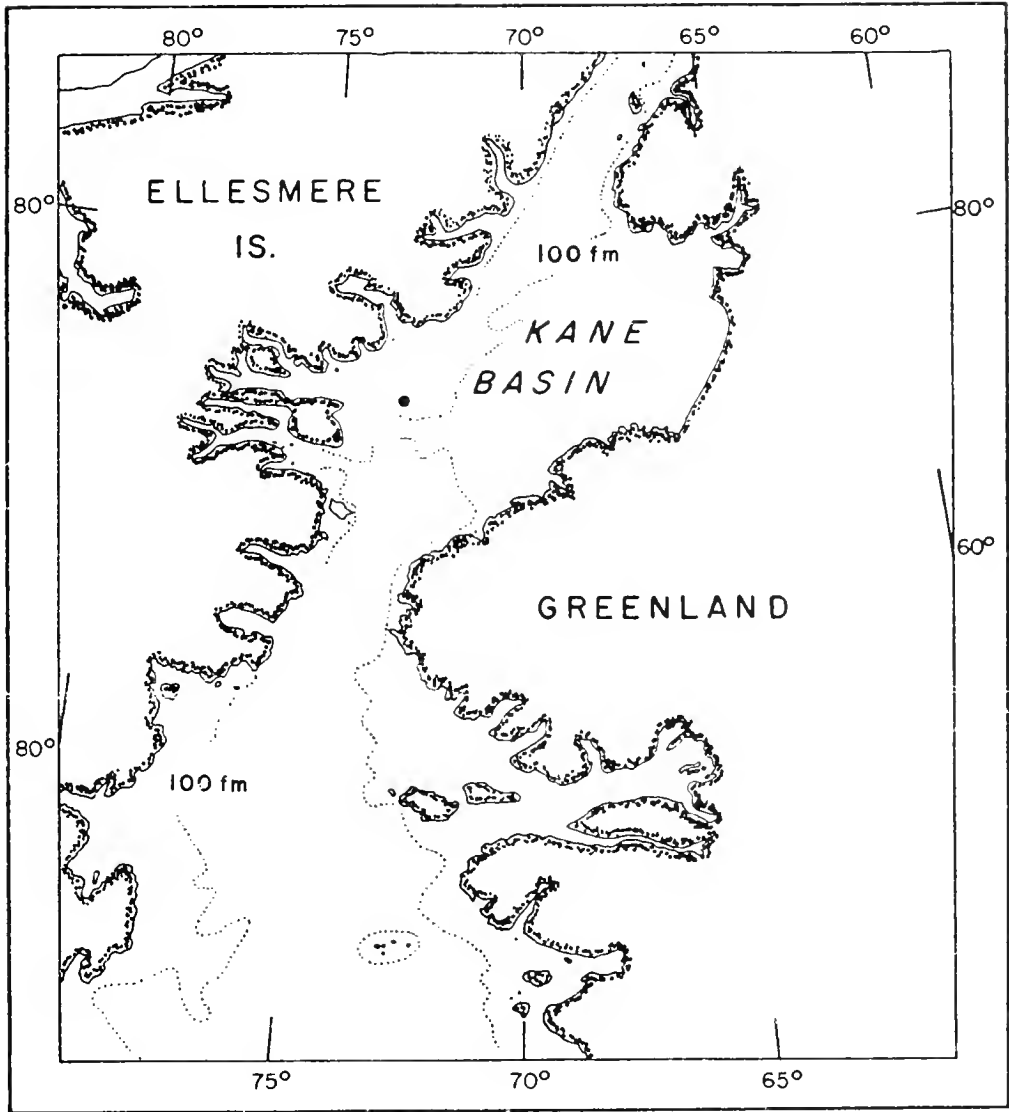


FIGURE 1. Geographical position of the ice camp from which oceanographic stations were occupied and current measurements made in May 1969. The dotted line indicates the 100 fm isobath (from Canadian Hydrographic Office Chart No. 7000).

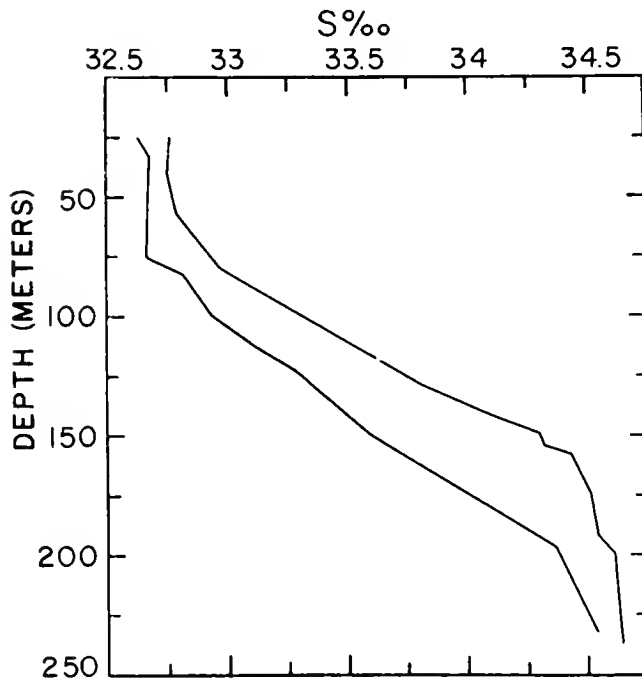
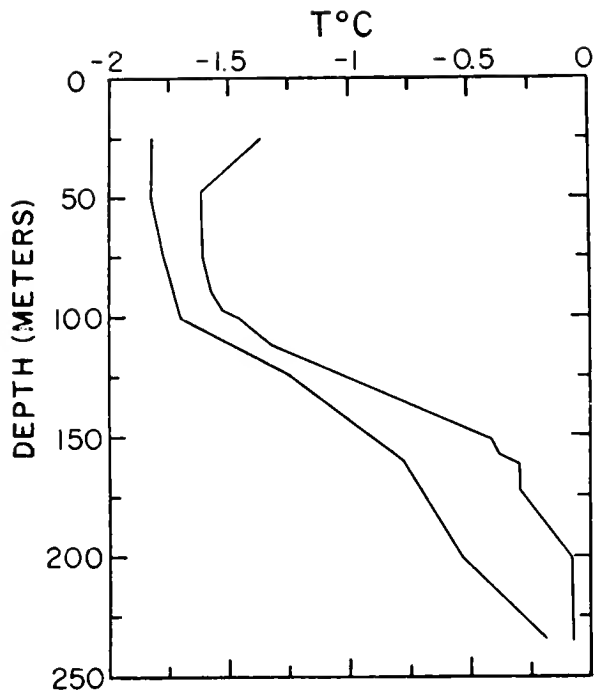


FIGURE 2. Envelopes of the vertical distributions of temperature and salinity observed in western Kane Basin during May 1969.

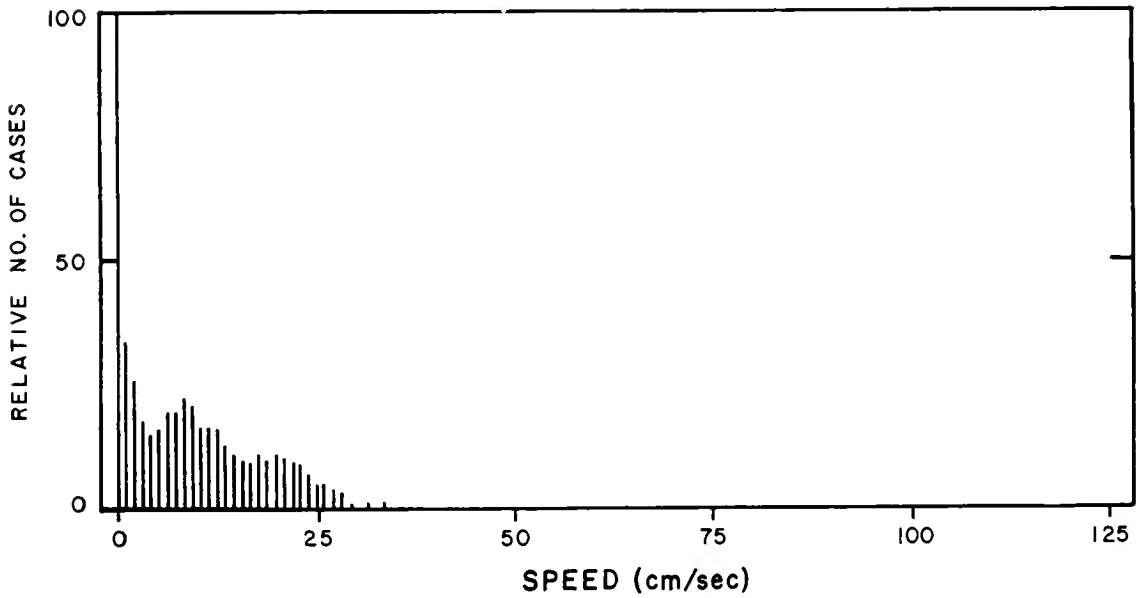
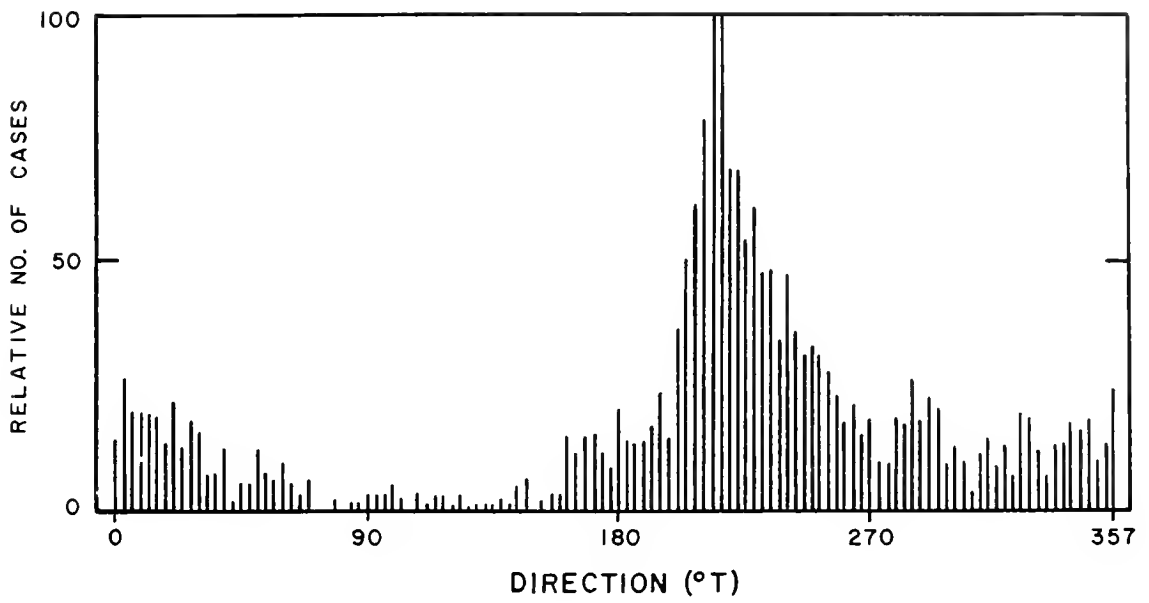


FIGURE 3. Histograms of current speed and direction at 50 m depth in western Kane Basin during May 1969.

OCEANOGRAPHIC CONDITIONS IN NORTHEASTERN BAFFIN BAY DURING AUGUST 1969

by

MARTIN J. MOYNIHAN¹

INTRODUCTION

The USCGC SOUTHWIND occupied thirty-six oceanographic stations in the waters of central and northeastern Baffin Bay from 14 to 28 August 1969 as part of the International Ice Patrol's West Greenland Glacier and Oceanographic Survey (fig. 1). This survey was part of a multiyear project to investigate the tidewater glaciers and oceanographic conditions along the western coast of Greenland to determine the differences between existing conditions and historical data as related to the origin and drift of icebergs (Moynihan, et al., 1970).

Temperature data and water samples were collected by Nansen casts. The resulting water samples were analyzed for salinity and oxygen concentrations on board the USCGC SOUTHWIND. Salinity was determined on board using an inductive salinometer. The conductivity values obtained were converted to salinity by use of the International Oceanographic Tables published jointly by UNESCO and the National Institute of Oceanography of Great Britain (1966). Dissolved oxygen concentrations were determined by the modified Winkler Method as described by Strickland and Parsons (1968). The resulting data were processed later at the Coast Guard Oceanographic Unit with a PDP-5 computer.

The data presented in the Tables of Oceanographic Data (Appendix A) are reproduced from computer listings from the National Oceanographic Data Center (Cruise Number 31-1529). Anomalies of dynamic height in the listings were computed by NODC; but all discussion of dynamic heights in this text are based on computations made at the Coast Guard Oceanographic Unit.

In addition, grab samples and cores of bottom sediments were obtained with an orange peel grab and Phleger corer at selected stations in the fjords seaward of glacier termini. The collection of these samples was supervised by U. S. Naval Oceanographic Office personnel. A preliminary analysis was conducted by Achstetter, et al. (1970), and the remaining material is presently held at the Geological Laboratory of the Naval Oceanographic Office.

DISCUSSION

The circulation of Baffin Bay plays an important role in the drift of icebergs from their parent glaciers on the western coast of Greenland to the North Atlantic shipping lanes off the Grand Banks. Smith (1931), Hawley, et al. (1941), and Dunbar (1951) described a cyclonic circulation of water in Baffin Bay and a similar drift of icebergs. West Greenland Current Water enters from the southeast through Davis Strait and water of polar origin enters from the northwest through Lancaster, Jones and Smith Sounds. The southward flowing Baffin Land Current along Baffin Island and recirculation of some West Greenland Current Water through the western side of Davis Strait account for the outflow of water from Baffin Bay.

Charts of dynamic topography (figs. 2 and 3) prepared from the USCGC SOUTHWIND's survey were used to depict the current patterns in this area. A weak northward flowing current was found near the Greenland coast and the general southeastward drift found offshore is believed to be the extreme eastern portion of the Baffin Land Current.

Remnants of the West Greenland Current were found in the warm, saline ($>1.0^{\circ}\text{C}$, $>34.4\%$) layer between 250 and 800 meters on all sections. A core of warm, high salinity water ($>2.0^{\circ}\text{C}$, $>34.5\%$) between stations 27 and 32 (figs. 6 and 7)

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appears to be part of a pool of West Greenland Current Water over the wide shelf in northeastern Baffin Bay. It was larger than a similar core found to the south at stations 18 and 19 (figs. 4 and 5). The core of West Greenland Current Water also was associated with high concentrations of dissolved oxygen (5.8 to 6.5 ml/l, fig. 7).

Water of polar origin ($>0^{\circ}\text{C}$, 32.0–34.0‰), found in the upper 250 meters of stations 18 through 26 (figs. 4, 5, 9 and 10), made up the southeastward drift detected in the dynamic topography. Baffin Bay Deep Water ($<-0.5^{\circ}\text{C}$, 34.40–34.45‰), was found below 1250 meters on these stations. Bailey (1956) concluded that this water originates in the Arctic Ocean at depths of about 250 meters, flows into the Baffin Bay through Smith Sound and sinks to depths between 1250 and 2100 meters.

The effect of solar heating and melting of sea ice was noticeable during this summer survey as indicated by temperatures of $>0.0^{\circ}\text{C}$ and salinities of $<32.0\%$ found in the near surface water (figs. 11 and 13). The influence of runoff is evidenced by the low salinities ($<30.0\%$) and high dissolved oxygen (>9 ml/l, Appendix A) found at the surface along the coast.

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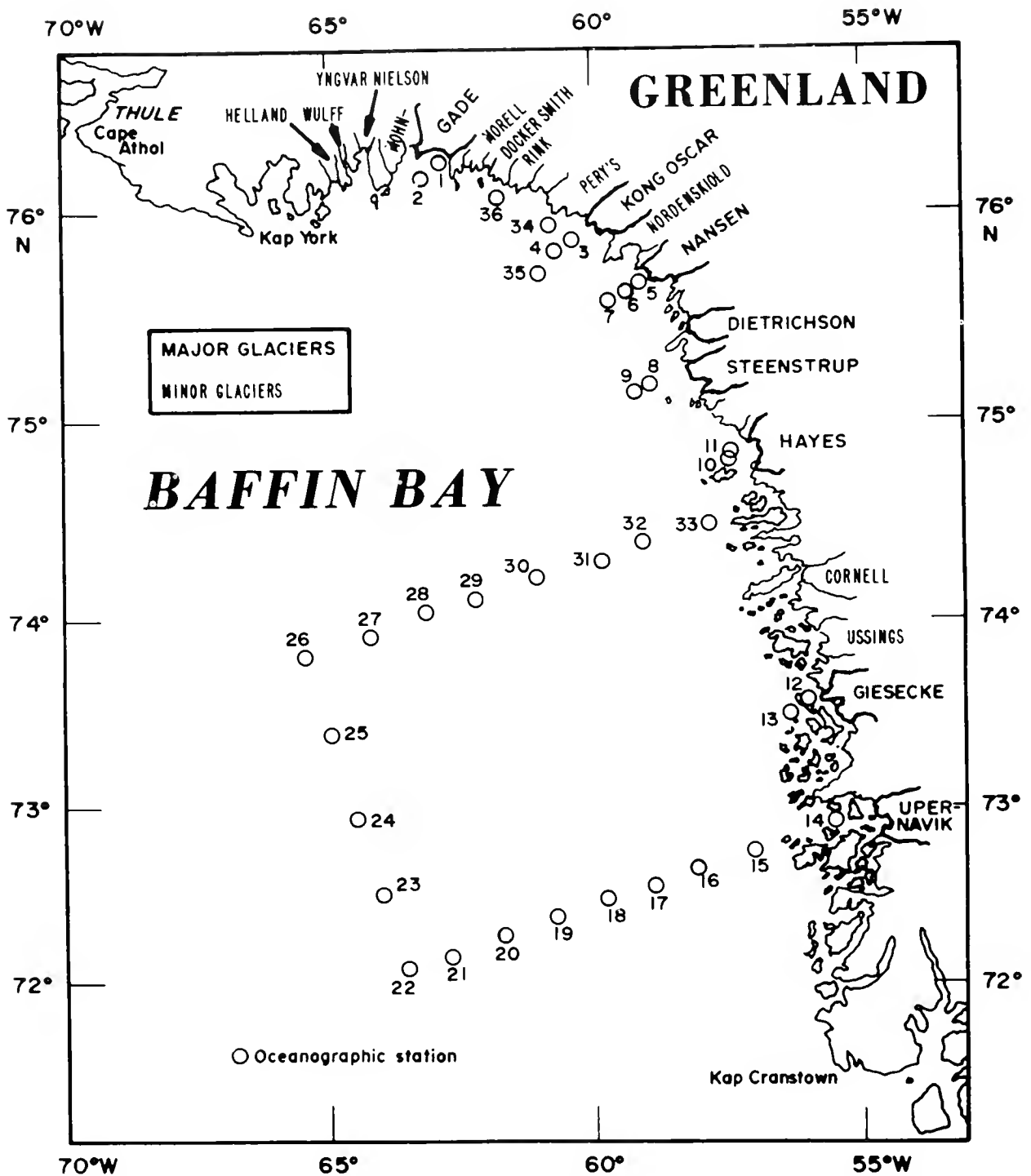


FIGURE 1. Positions of CGC SOUTHWIND stations 1-36, 14-28 August 1969 and locations of tidewater glaciers in Northeastern Baffin Bay.

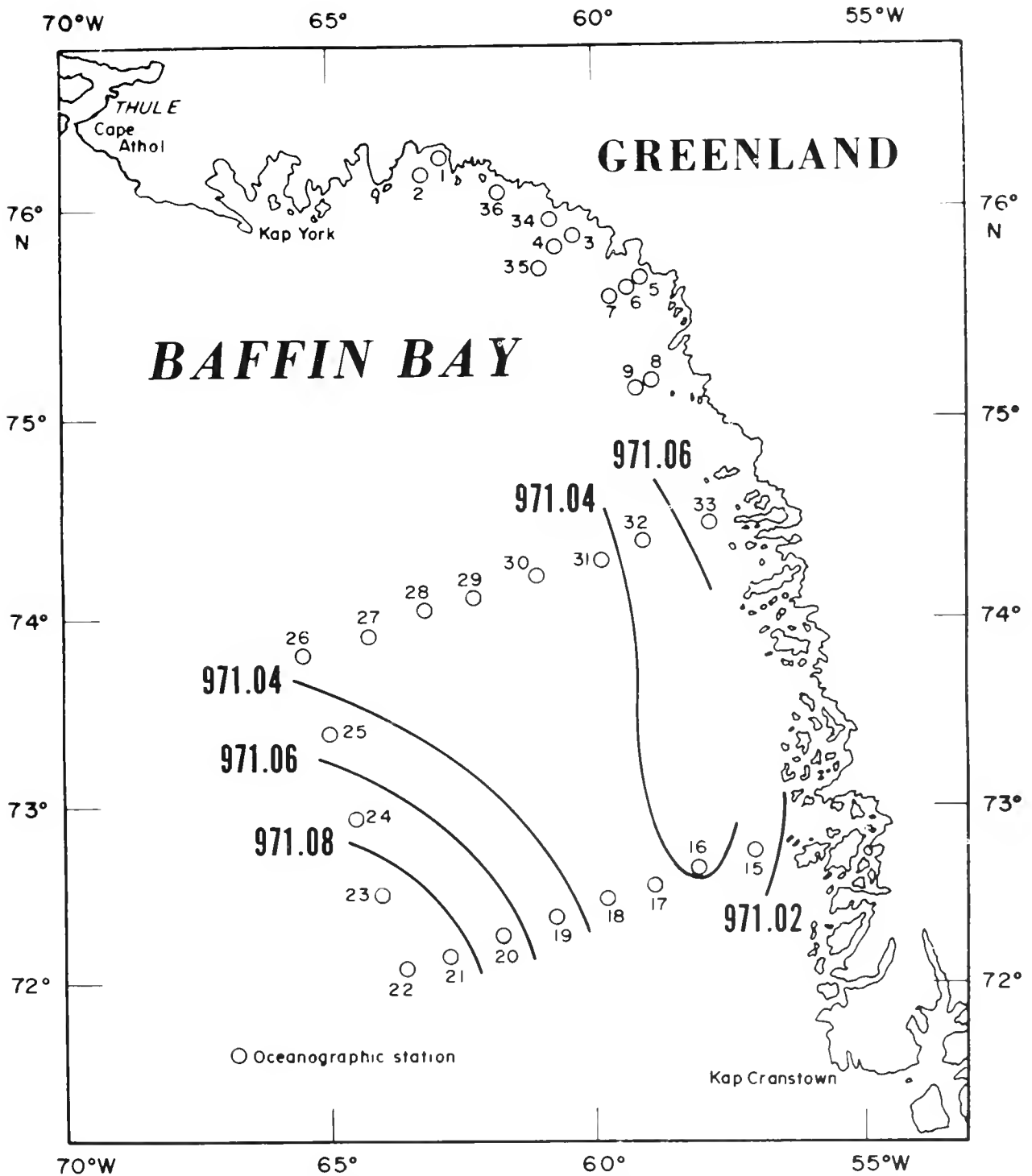


FIGURE 2. Dynamic topography (dynamic meters) of the sea surface with reference to the 1000 decibar surface, CGC SOUTHWIND survey 14-28 August 1969.

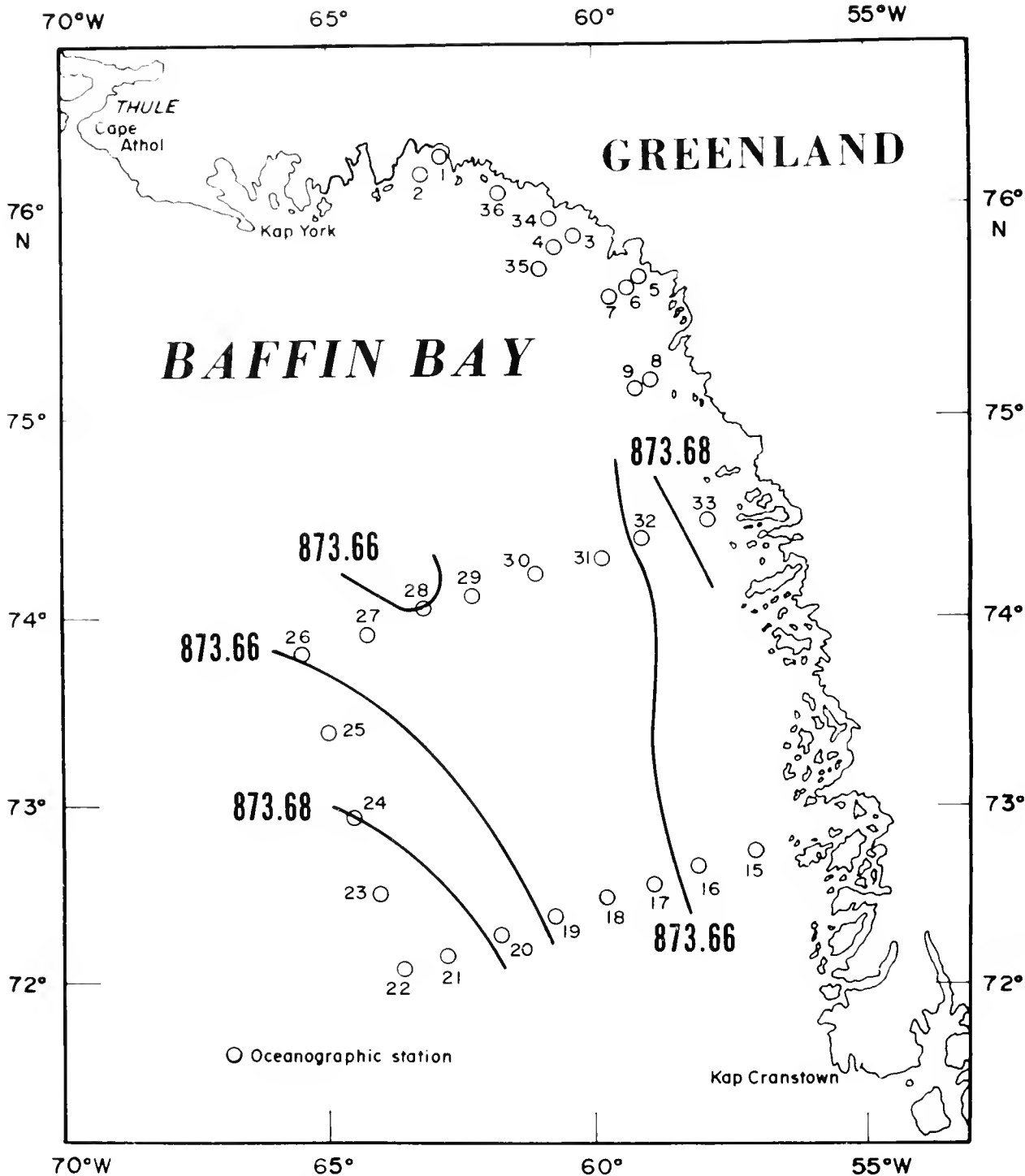


FIGURE 3. Dynamic topography (dynamic meters) of the 100 decibar surface with reference to the 1000 decibar surface, CGC SOUTHWIND survey 14-28 August 1969.

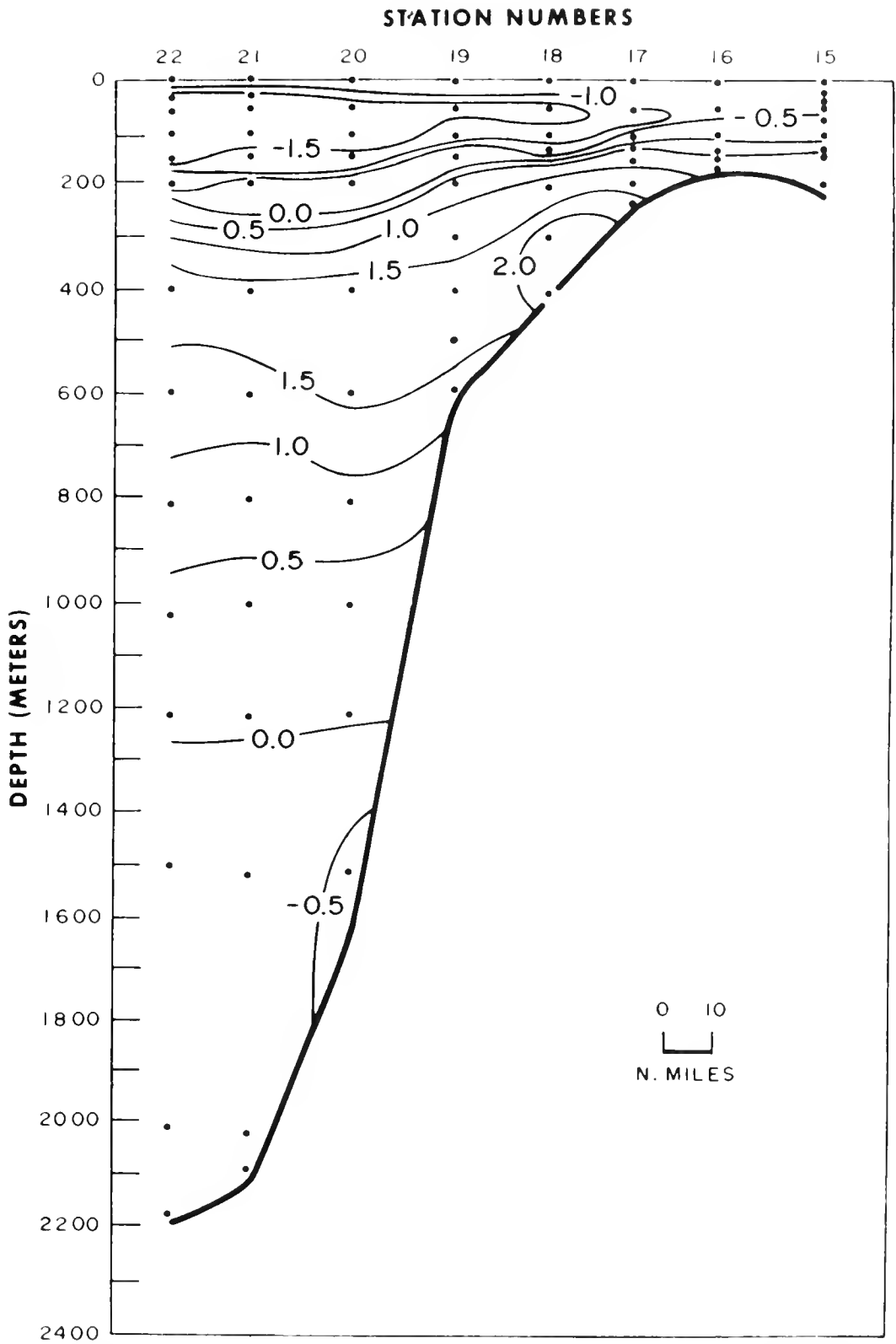


FIGURE 4. Vertical distribution of temperature ($^{\circ}\text{C}$), CGC SOUTHWIND stations 15 to 22, 24-25 August 1969.

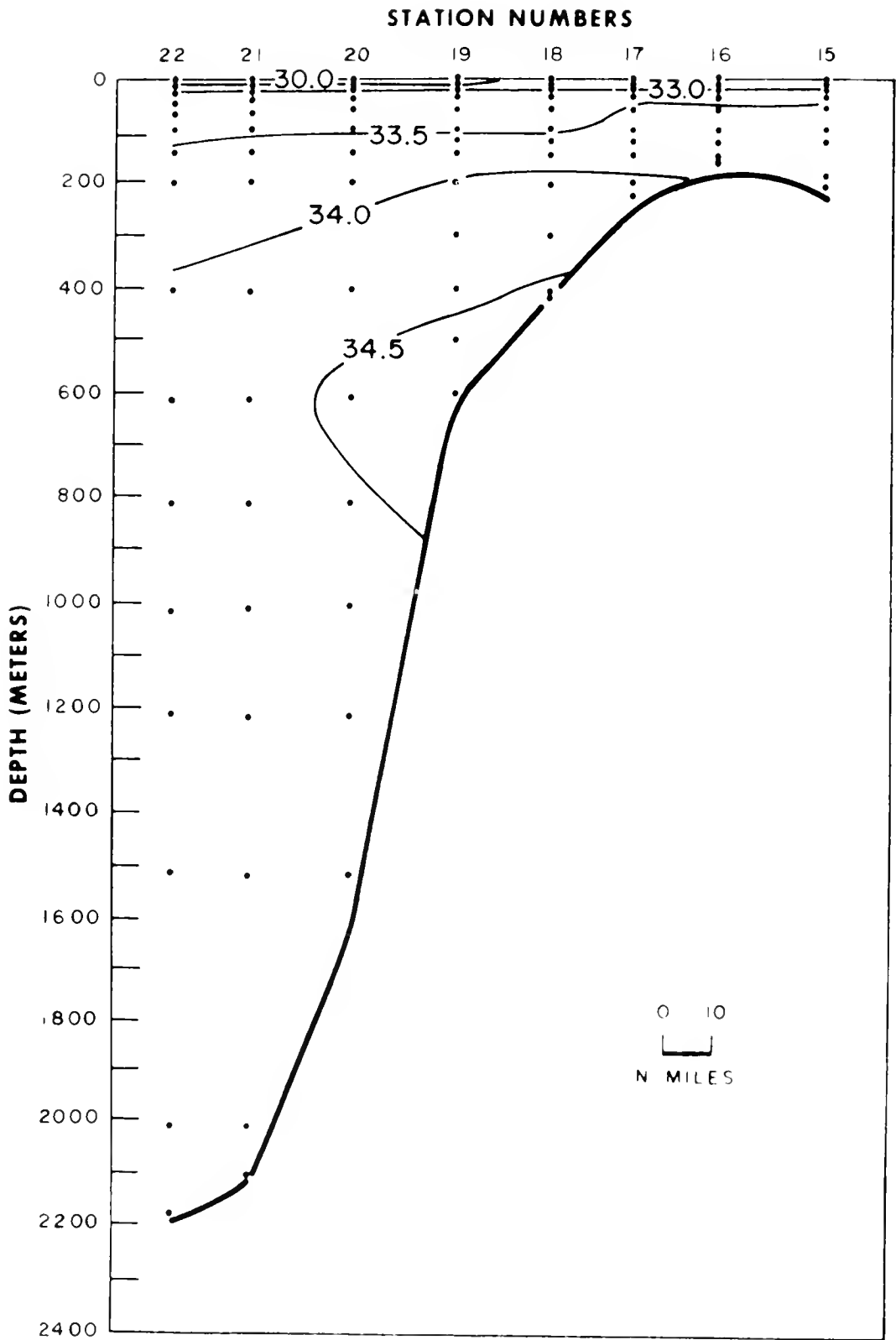


FIGURE 5. Vertical distribution of salinity (‰), CGC SOUTHWIND stations 15 to 22, 24-25 August 1969. Contour interval 0.5‰ above 33‰ and 3‰ below 33‰.

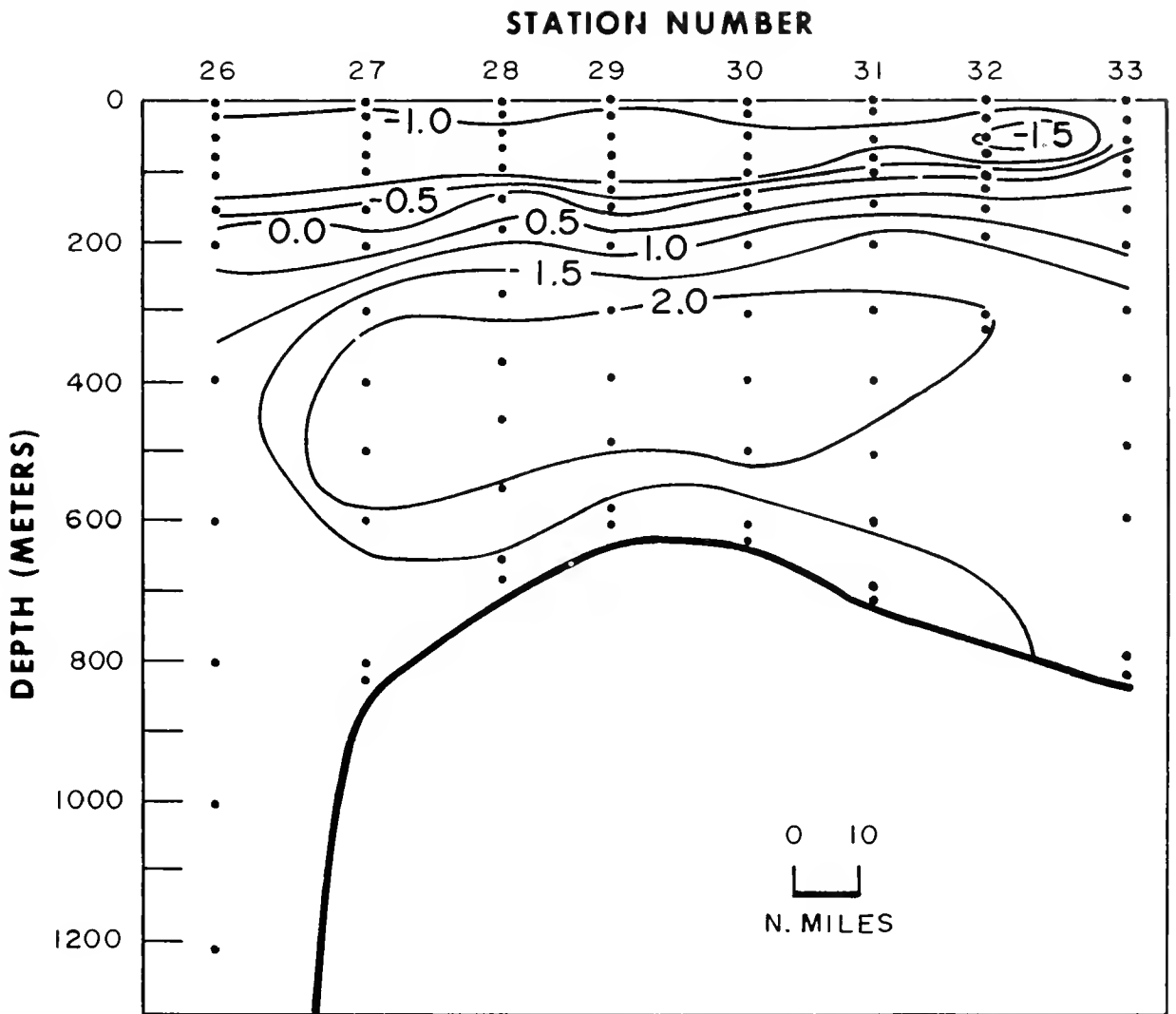


FIGURE 6. Vertical distribution of temperature ($^{\circ}\text{C}$), CGC SOUTHWIND stations 26 to 33, 26 August 1969.

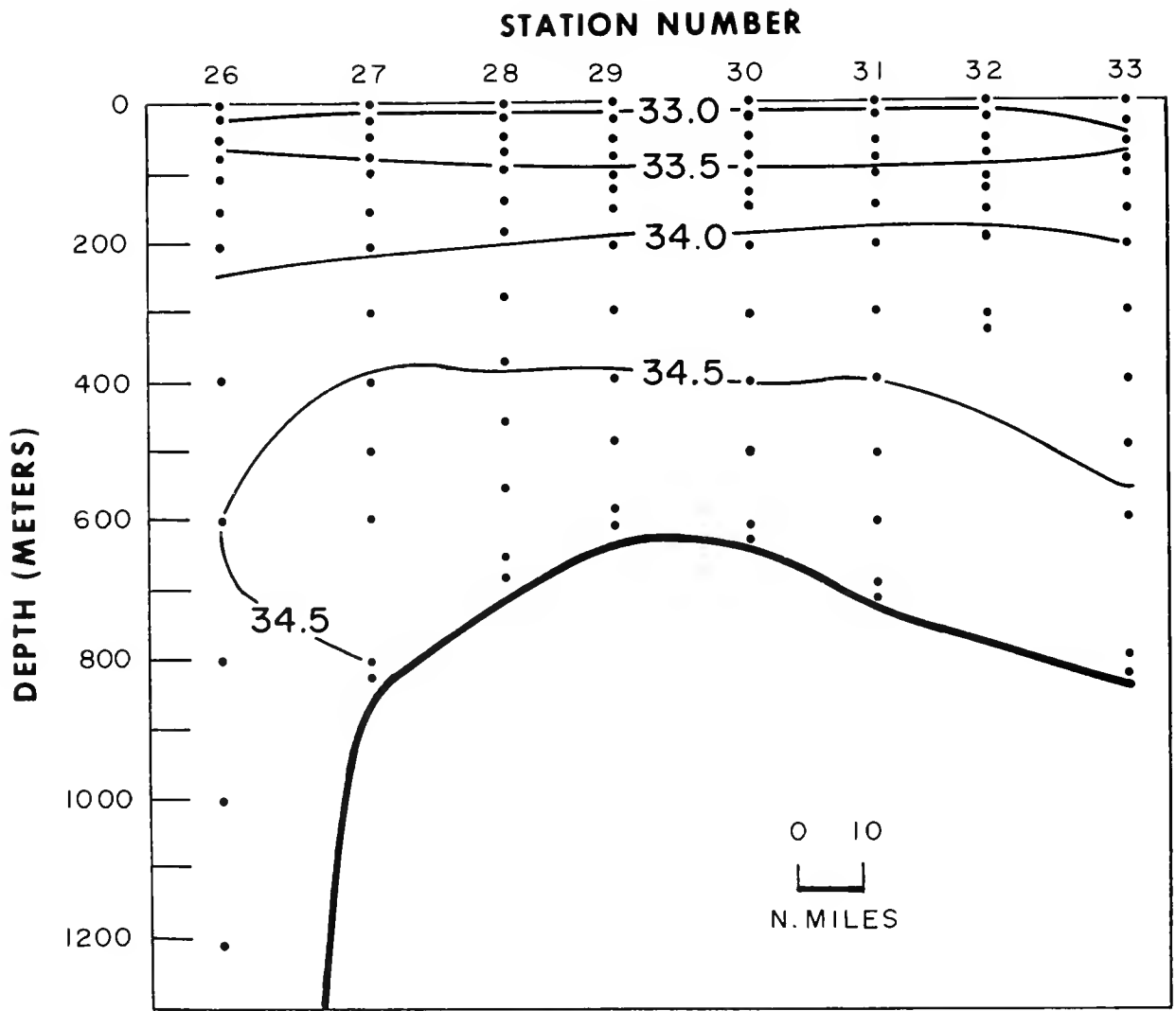


FIGURE 7. Vertical distribution of salinity (‰), CGC SOUTHWIND stations 26 to 33, 26 August 1969.

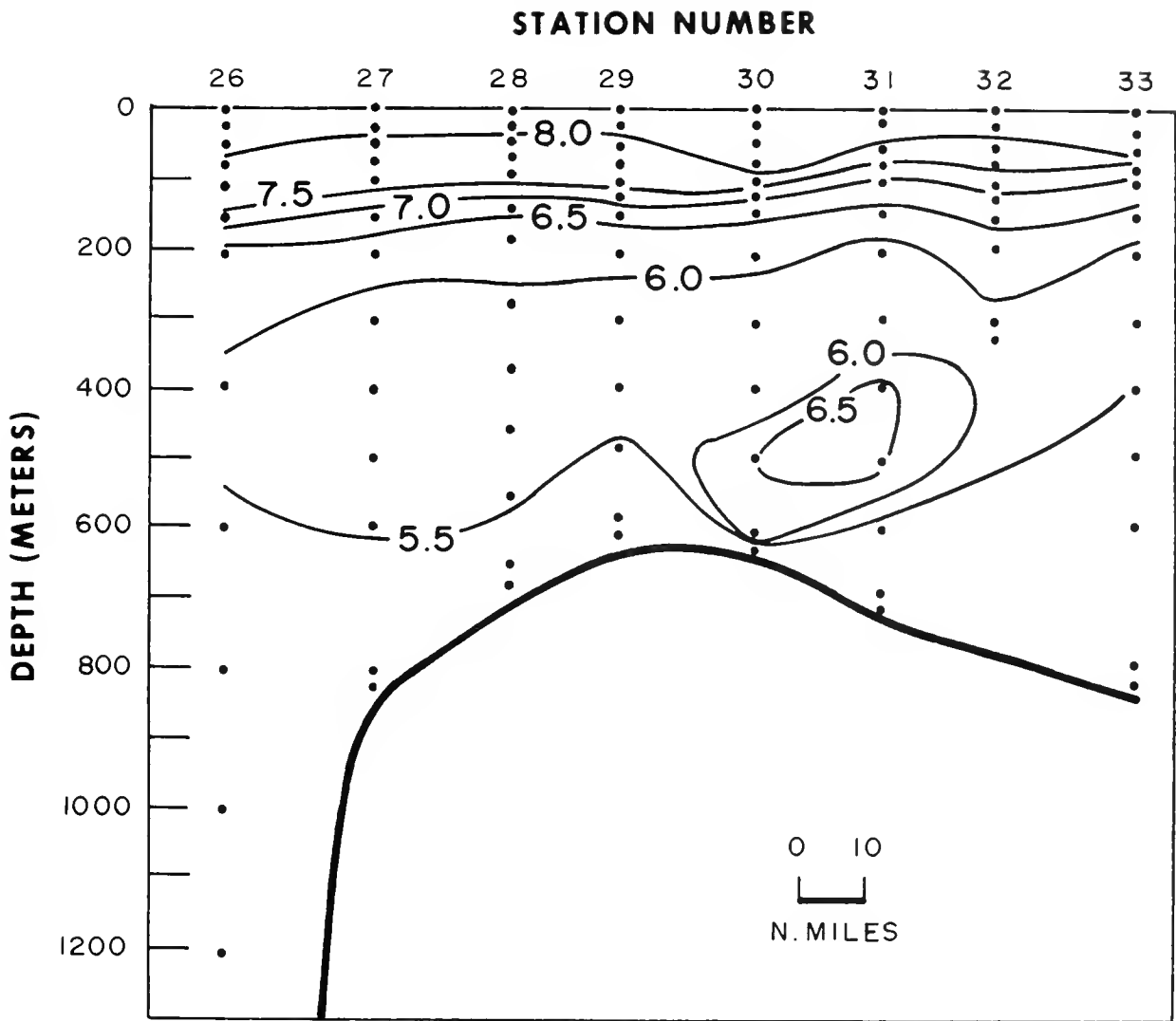


FIGURE 8. Vertical distribution of dissolved oxygen (ml/l), CGC SOUTHWIND stations 26 to 33, 26 August 1969.

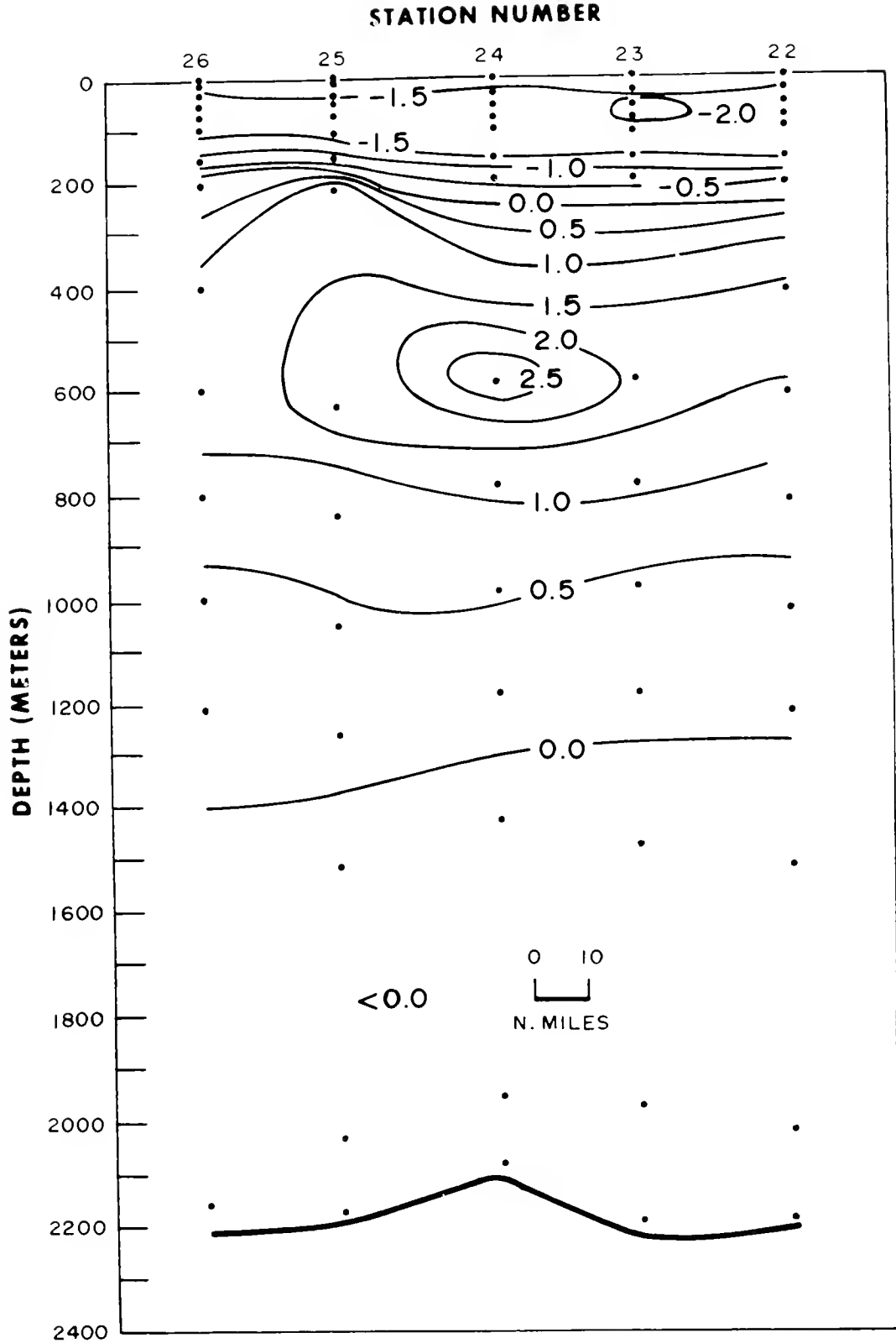


FIGURE 9. Vertical distribution of temperature ($^{\circ}\text{C}$), CGC SOUTHWIND stations 22 to 26, 25-26 August 1969.

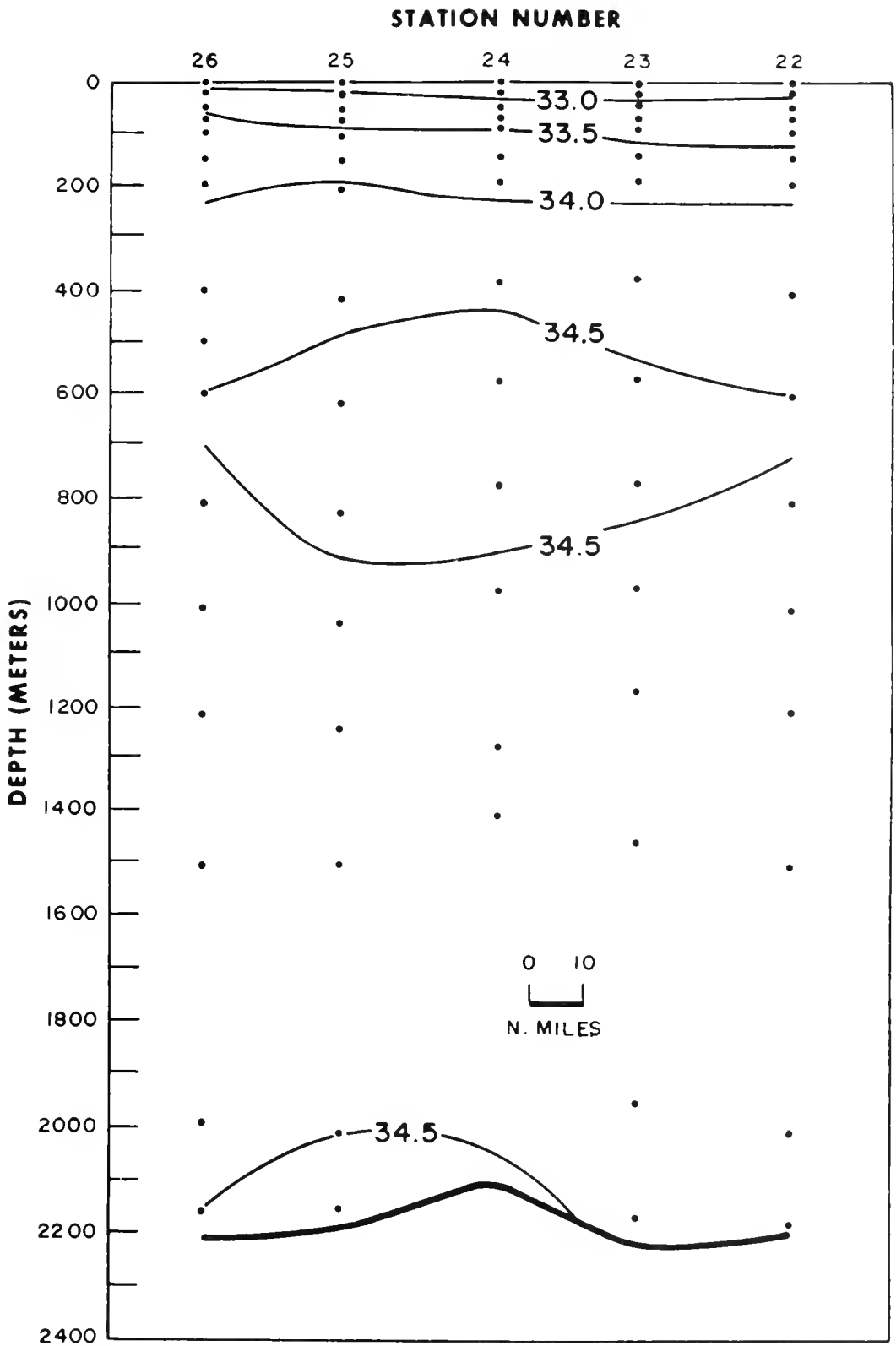


FIGURE 10. Vertical distribution of salinity (‰), CGC SOUTHWIND stations 22 to 26, 25-26 August 1969.

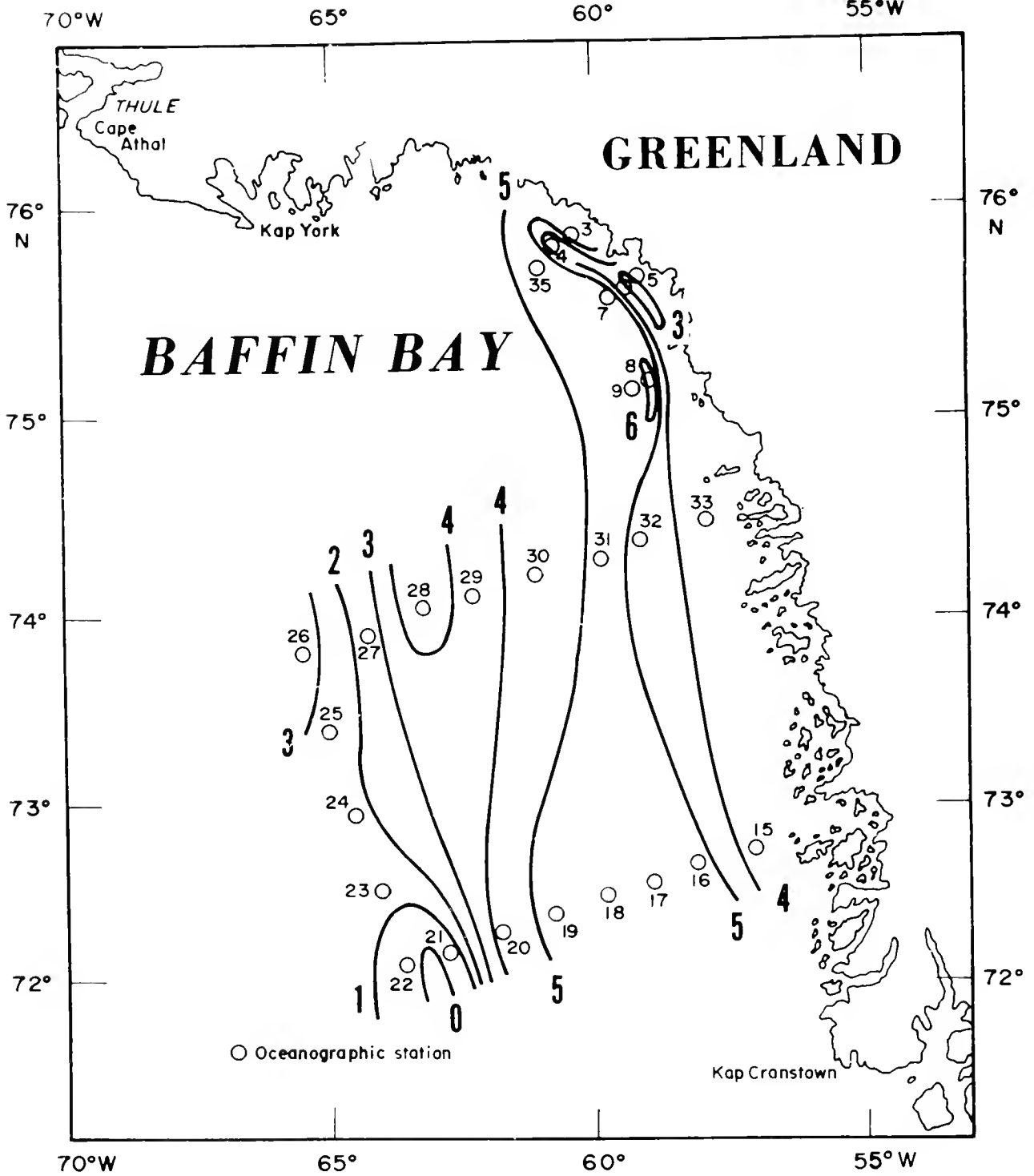


FIGURE 11. Horizontal distribution of temperature ($^{\circ}\text{C}$) at the sea surface, CGC SOUTHWIND survey 14–28 August 1969.

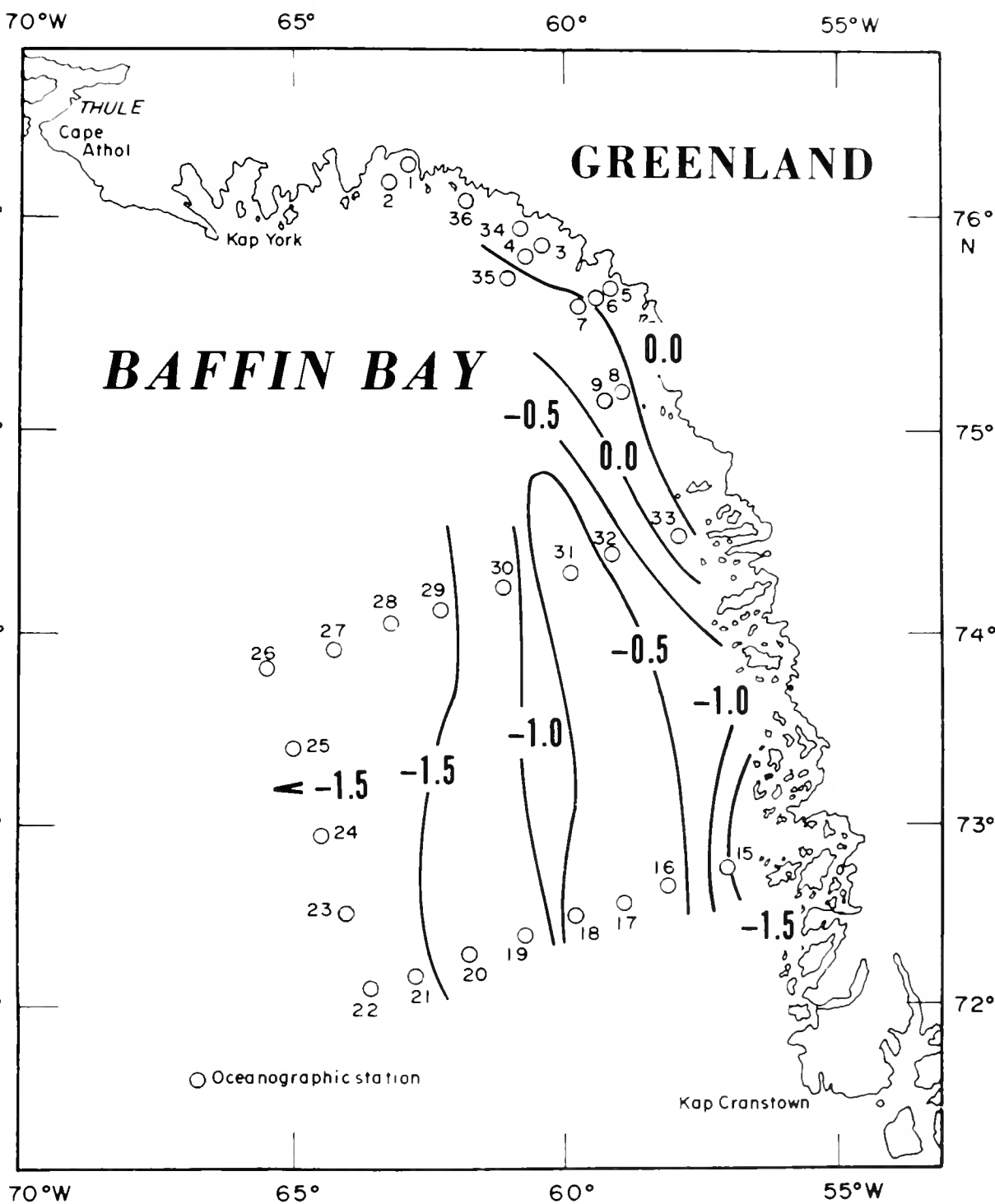


FIGURE 12. Horizontal distribution of temperature ($^{\circ}$ C) at the 100 meter level, CGC SOUTHWIND survey 14-28 August 1969.

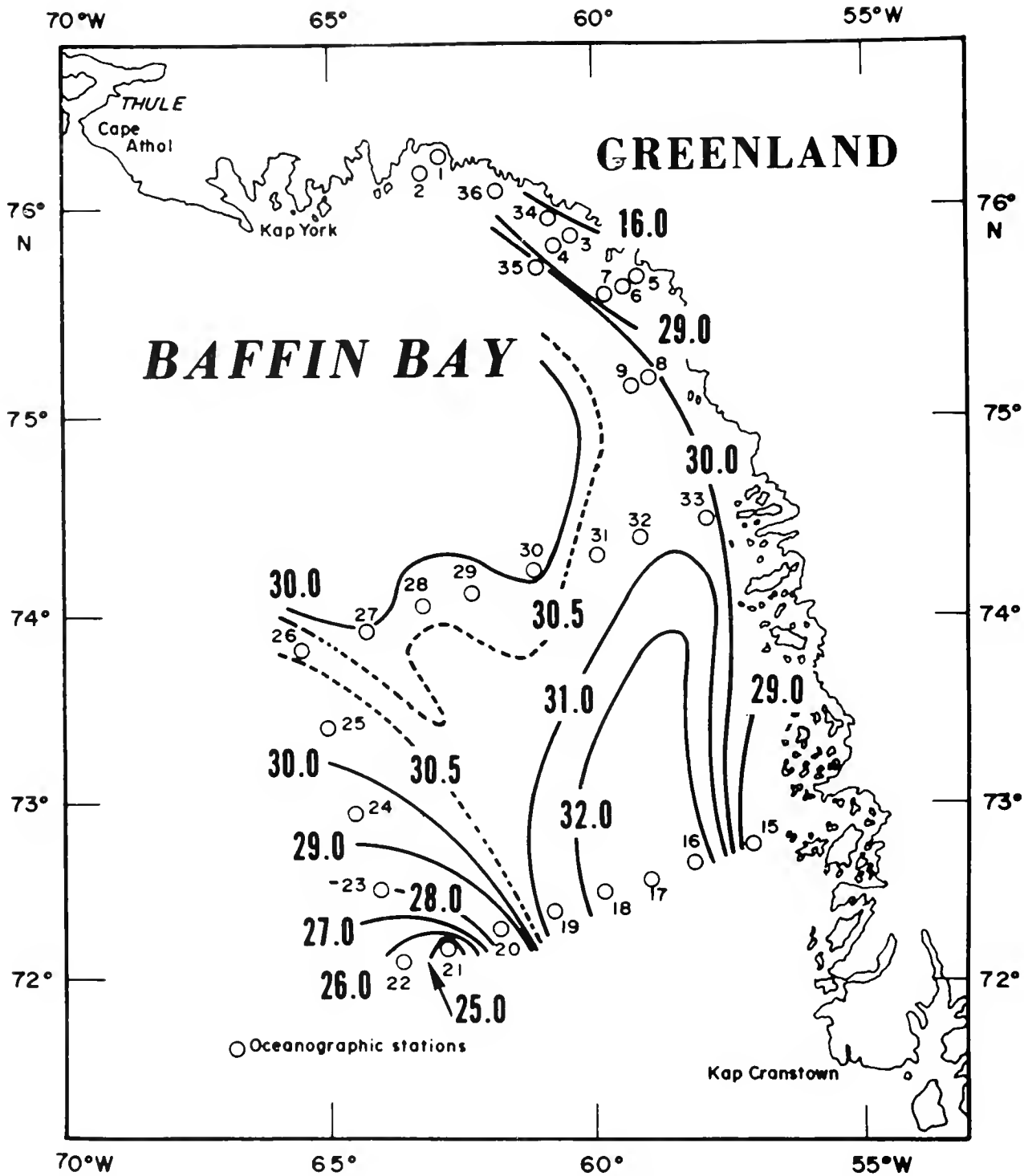


FIGURE 13. Horizontal distribution of salinity (‰) at the sea surface, CGC SOUTHWIND survey 14-28 August 1969.

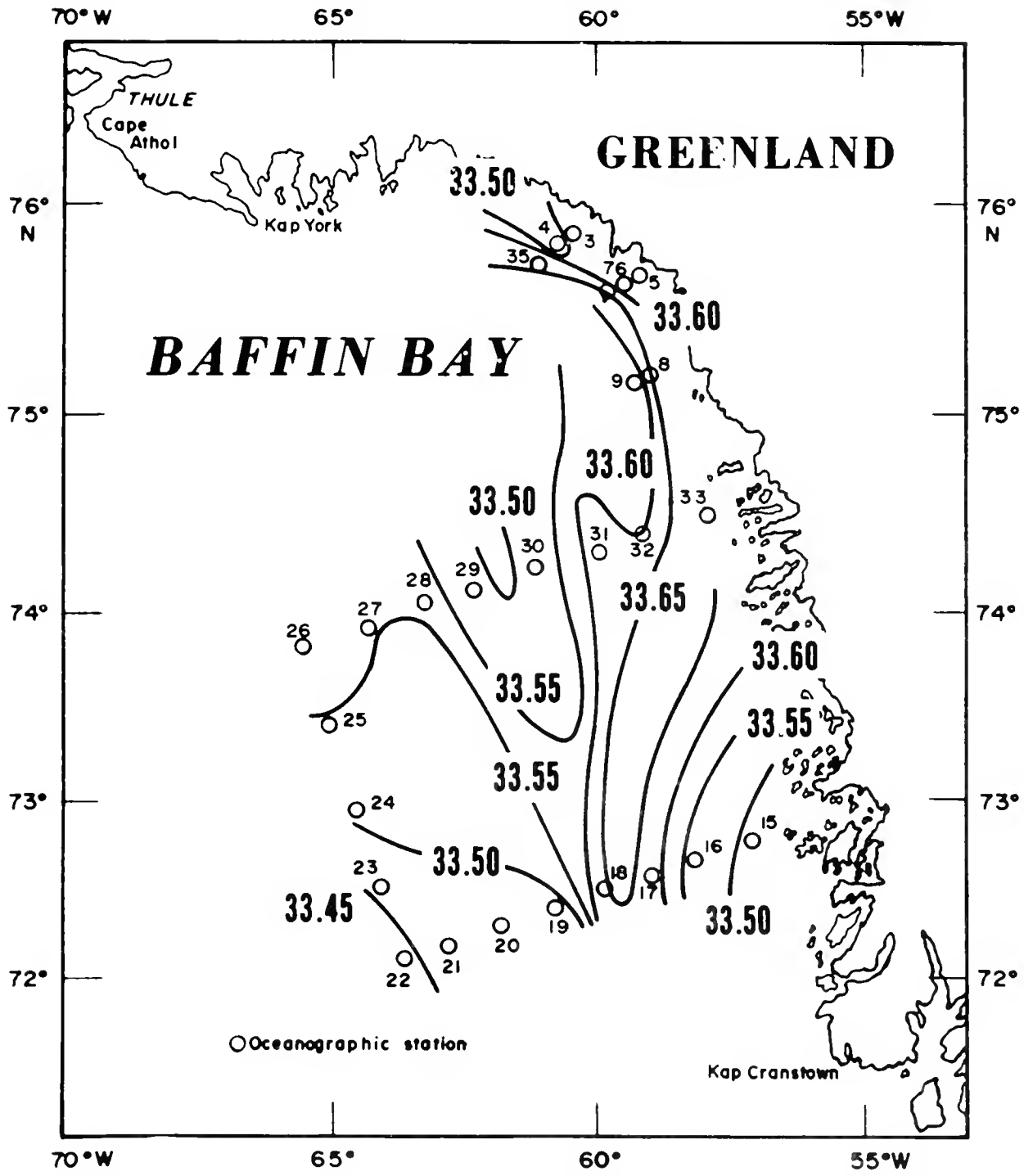


FIGURE 14. Horizontal distribution of salinity (‰) at the 100 meter surface, CGC SOUTHWIND survey 14-28 August 1969.

OCEANOGRAPHIC CONDITIONS IN THE MELVILLE BAY-CAREY ISLANDS REGION, NORTHERN BAFFIN BAY, 17 SEPTEMBER-2 OCTOBER 1969

by

ROBIN D. MUENCH¹

INTRODUCTION

An oceanographic survey was carried out from the CGC WESTWIND in the Melville Bay-Carey Islands region of northern Baffin Bay from 17 September-2 October 1969 (figs. 1 and 2). This survey was carried out under the auspices of the Baffin Bay-North Water Project, coordinated by the Arctic Institute of North America and cooperative among groups from the University of Washington, the United States Coast Guard, McGill University and Dartmouth College.

The oceanography of northern Baffin Bay has been discussed by Muench (1971). The 1969 survey was designed to investigate this region by continuing, to the southeast, the detailed survey carried out farther north in 1968 (Muench, et al., 1971). The placement of current meters, designed to be retrieved the following summer, in Smith Sound was an attempt to obtain winter current data.

SAMPLING PROGRAM

On 17 September 1969 the scientific field party boarded the CGC WESTWIND at Thule, Greenland. These personnel included Robin D. Muench, Jerry A. Galt, Rick Avis and Joseph Karpen, all from the University of Washington, and Gordon Tidmarsh from McGill University. The CGC WESTWIND was commanded by Capt. J. S. Thuma, United States Coast Guard.

Two Geodyne Model 850 recording current meters were moored in north central Smith Sound (78°30.6'N, 73°51.0'W) on 20 September. This array was designed to be retrieved by means of an acoustic release during summer 1970. Two recording current meters were moored later on the same date at each of the indicated locations south

of Cape York (fig. 1) and were retrieved on 2 October.

On 21-25 September, stations 1-48 and 00A-00D were occupied, after which foul weather dictated a retreat into Thule. A loss of LORAN coverage necessitated determining the positions of stations 00A-00D by dead reckoning, so that the positions of these stations are considered less reliable than those of other stations. Stations 49-90 were occupied on 27 September-2 October.

DATA ANALYSIS

The oceanographic data were obtained using a Bissett-Berman Model 9060 self-contained salinity/temperature/depth recording unit (STD). The instrument was used as supplied directly from the factory, where it had been calibrated. It had been intended to place two Nansen bottles on every cast to check temperatures, salinities and depths from the STD, but lack of a shipboard salinometer precluded this. Twenty samples were obtained, using Nansen bottles, for calibration purposes. The temperatures were read using reversing thermometers, and samples were returned to the University of Washington for salinity determination.

The advertised accuracy and resolution, in that order, of the STD were:

Salinity:	$\pm 0.05\text{‰}$ and $\pm 0.02\text{‰}$
Temperature:	$\pm 0.05^{\circ}\text{C}$ and $\pm 0.05^{\circ}\text{C}$
Depth:	$\pm 0.25\%$ full scale and $\pm 0.10\%$ half scale

The STD used (serial number 5418) had a tendency to record salinities 0.05 to 0.10‰ too high at depths between 500 and 1000 m, the error increasing with depth. Shallower than 500 m, the salinity accuracy was within the advertised specifications. No errors were detected in temperature or depth readings.

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The oceanographic station data were compiled by visual digitization of the analog chart output from the STD at standard depths. Salinities below 500 m were corrected with the aid of a calibration curve constructed using salinities from the Nansen bottle samples. The final data are accurate to within the advertised specifications.

Two Braincon Model 381 and two Geodyne Model 850 recording current meters were moored south of Cape York using the mooring configuration and method described previously (Muench, et al., 1971). None of these meters yielded reliable data. Two of them (one of each type) yielded no data at all, while the other two suffered malfunctions which destroyed the time base for the recorded data.

OCEANOGRAPHIC RESULTS

The oceanographic results are presented as:

- a. Vertical sections showing temperature and salinity distributions (figs. 3-32), constructed directly from the STD vertical profiles;
- b. Temperature-salinity curves (fig. 33);
- c. Isentropic diagrams (fig. 34);
- d. Dynamic topographies (fig. 35); and
- e. Station data listed in standard format (Appendix A).

The region from Melville Bay to the section southwest of Cape Dudley Digges (figs. 3-18; areas 1 and 3, fig. 33) contained a warm ($>0^{\circ}\text{C}$), saline ($>34.4\%$) layer at 300-400 m depth and a colder ($<0^{\circ}\text{C}$), less saline ($<33.7\%$) layer 50-100 m deep. The warm layer cannot have originated in the Arctic Ocean, due to its low salinity relative to that of Arctic Ocean Water of the same temperature (Muench, 1971), and therefore is Baffin Bay Atlantic Water which originated south of Davis Strait. The cold, shallow layer is a remnant of the preceding winter's convective layer within Baffin Bay, and is part of the Baffin Bay Arctic Water (Muench, 1971).

Water in southwestern Smith Sound (stations 54-55, figs. 31-32; area 2, fig. 33) was characterized by uniformly low temperatures ($<0^{\circ}\text{C}$) and salinities ($<34.3\%$). These low temperatures and salinities, coupled with a known net southward transport through Smith Sound (Muench, 1971), suggest that this water originated in the Arctic Ocean.

The water masses in the remaining areas (figs. 19-30; areas 4-5, fig. 33) had temperatures and salinities intermediate between those of the Baffin

Bay Atlantic and Arctic waters and the water of Arctic Ocean origin from Smith Sound and therefore were mixtures of the three masses. Data from other years also suggest that the northern Baffin Bay region is a primary site of mixing between these water masses (Muench, 1971).

A restricted area west of Cape York (stations 44 and 76, figs. 19-22) exhibited a breakdown in vertical temperature structure. This area was also characterized by relatively high surface salinities ($>33\%$). These anomalous features of the temperature and salinity distribution were not observed during other years.

The temperature distribution on the $\sigma_t=27.5$ surface (fig. 34) corroborated the contention that water from the relatively warm Baffin Bay Atlantic Water layer was the cause of the temperature maximum ($>2^{\circ}\text{C}$) in Melville Bay. This warm water extended westward past Cape York and then northward as a tongue east of the Carey Islands. The Baffin Bay Atlantic Water, which had been modified by admixture of Arctic Ocean Water from Smith Sound, was characterized by lower temperatures ($<1.5^{\circ}\text{C}$). This occurred on 21-25 September as a southeasterly-trending tongue south of the Carey Islands which appeared, by 27 September-2 October, to be detaching to form a "blob" (fig. 34).

The baroclinic circulation may be estimated from the slopes of the isohalines on vertical salinity distributions, because they indicate the internal mass distribution in cold water, but this circulation is more clearly indicated by dynamic topographies (fig. 35). Prominent features observed in the circulation were the westward to northward coastal current from off Cape York to east of the Carey Islands, and the southward flow west of the islands. This general circulation pattern appears to be common here (Muench, 1971). The complex cyclonic circulation shown south of the Carey Islands may not be real, because of the relative inaccuracy of the temperature and salinity measurements on which the dynamic computations were based. The countercurrent between the two westernmost stations west of the Carey Islands was defined only by those two stations; since such a feature has never before been observed there, it should be regarded with skepticism.

A high concentration of icebergs along the coast northwest of Cape York during the observation period suggested the presence there of a northwestward coastal surface current. A southward extend-

ing "plume" of icebergs south of Cape York also suggested a southward surface current there coincident with the southern arm of the anticyclonic meander indicated by the 34 dyn cm isoline (fig. 35, upper). The westward tongue-like extension of Baffin Bay Atlantic Water south of Cape York (fig. 34, upper) suggested a westward current at that depth (400 m).

The westward and northward coastal currents off Cape York appeared to be related to the presence of an overlying near-surface wedge of relatively low salinity (generally $<32.5\%$, but occasionally $<30\%$) water (figs. 4, 6, 8, 10, 14, 19, 26, 30, and 32). This wedge has been suggested by Muench (1971) to be due to runoff from the western Greenland near-coastal ablation zone. The southward current west of the Carey Islands was part of the well documented net southward flow through Smith Sound, farther to the north.

The 1969 data clarified the temperature and salinity distributions and circulation in northern Baffin Bay from the Carey Islands to Melville Bay. The features observed were similar to those observed in previous years. Failure of the moored current meters precluded comparisons between baroclonic and total currents.

REFERENCES

- Muench, R. D. (1971) The physical oceanography of the northern Baffin Bay region. The Baffin Bay—North Water Project Scientific Report No. 1. Arctic Institute of North America, Washington, D.C., 150 pp.
- Muench, R. D., M. J. Moynihan, E. J. Tennyson, Jr., W. G. Tidmarsh, and R. B. Theroux (1971) Oceanographic conditions in Smith Sound and northern Baffin Bay, September 1968 in *Oceanographic Observations in Baffin Bay during July–September 1968*. U. S. Coast Guard Oceanographic Report, CG-373-37.

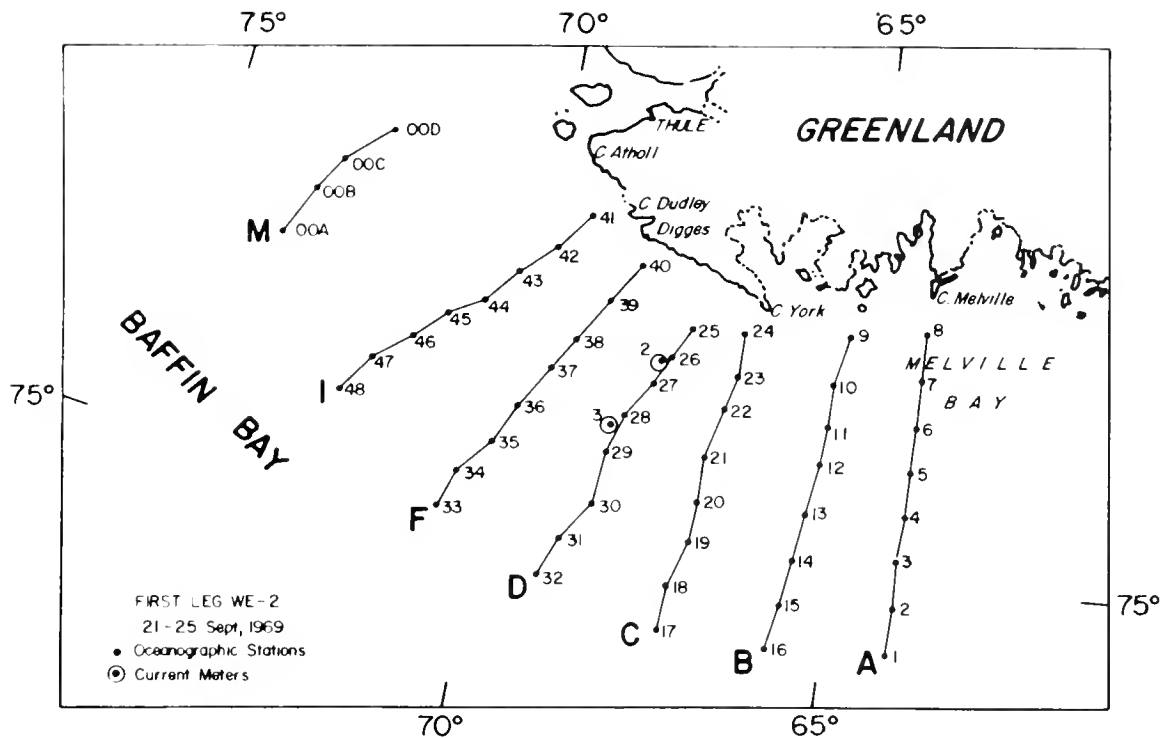


FIGURE 1. Cruise track of CGC WESTWIND. First leg, showing stations and sections.

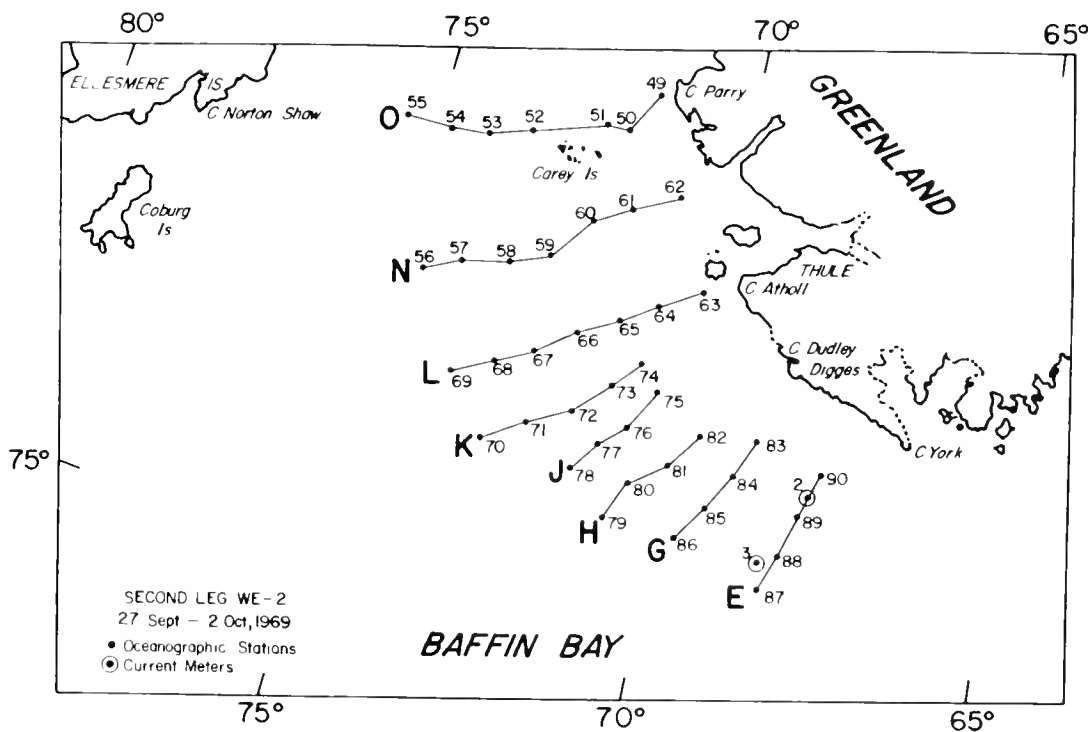


FIGURE 2. Cruise track of CGC WESTWIND. Second leg, showing stations and sections.

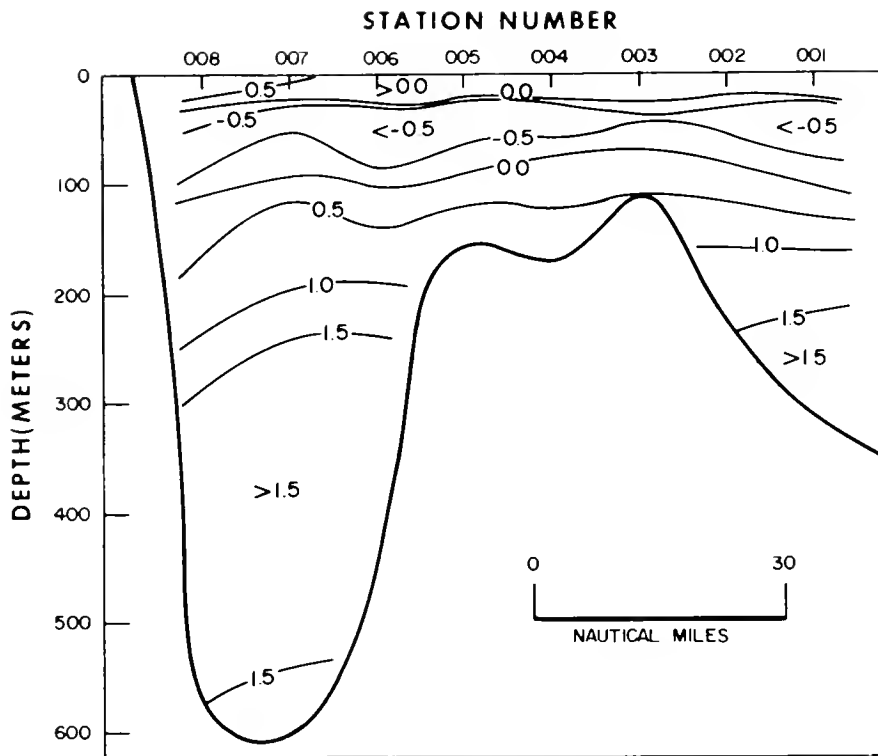


FIGURE 3. Vertical distribution of temperature ($^{\circ}\text{C}$), Section A.

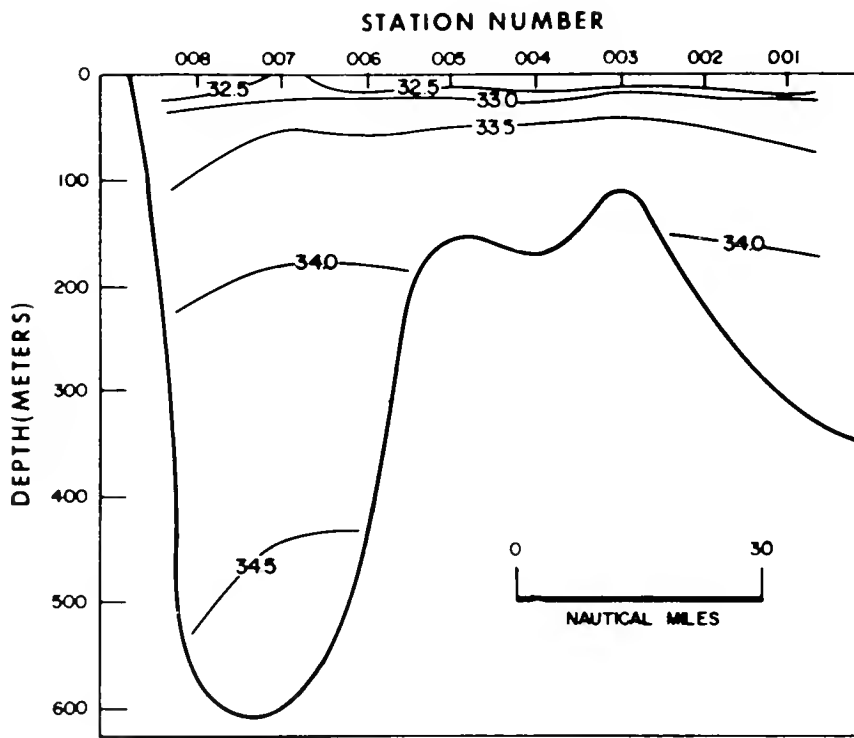


FIGURE 4. Vertical distribution of salinity (‰), Section A.

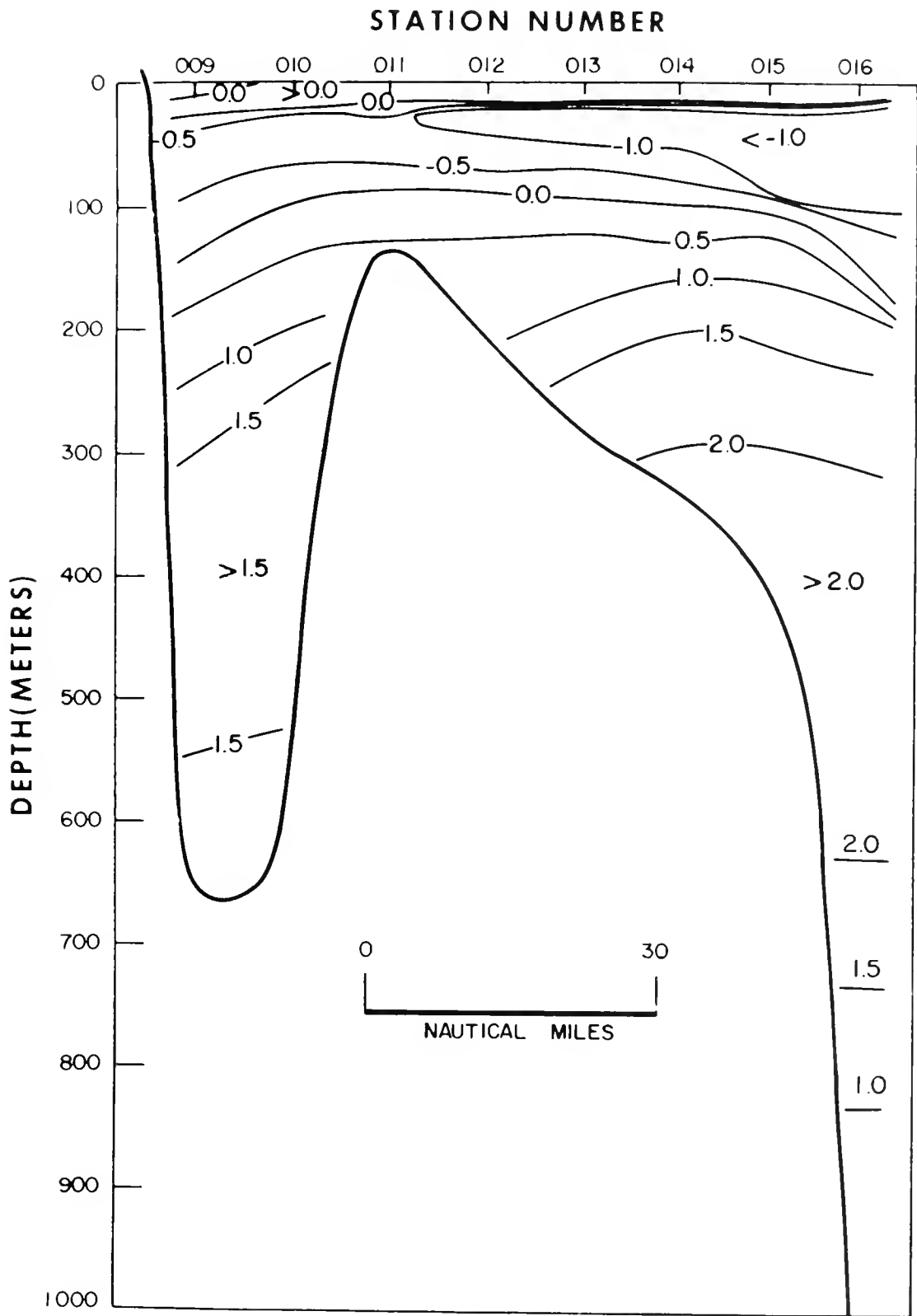


FIGURE 5. Vertical distribution of temperature ($^{\circ}\text{C}$), Section B.

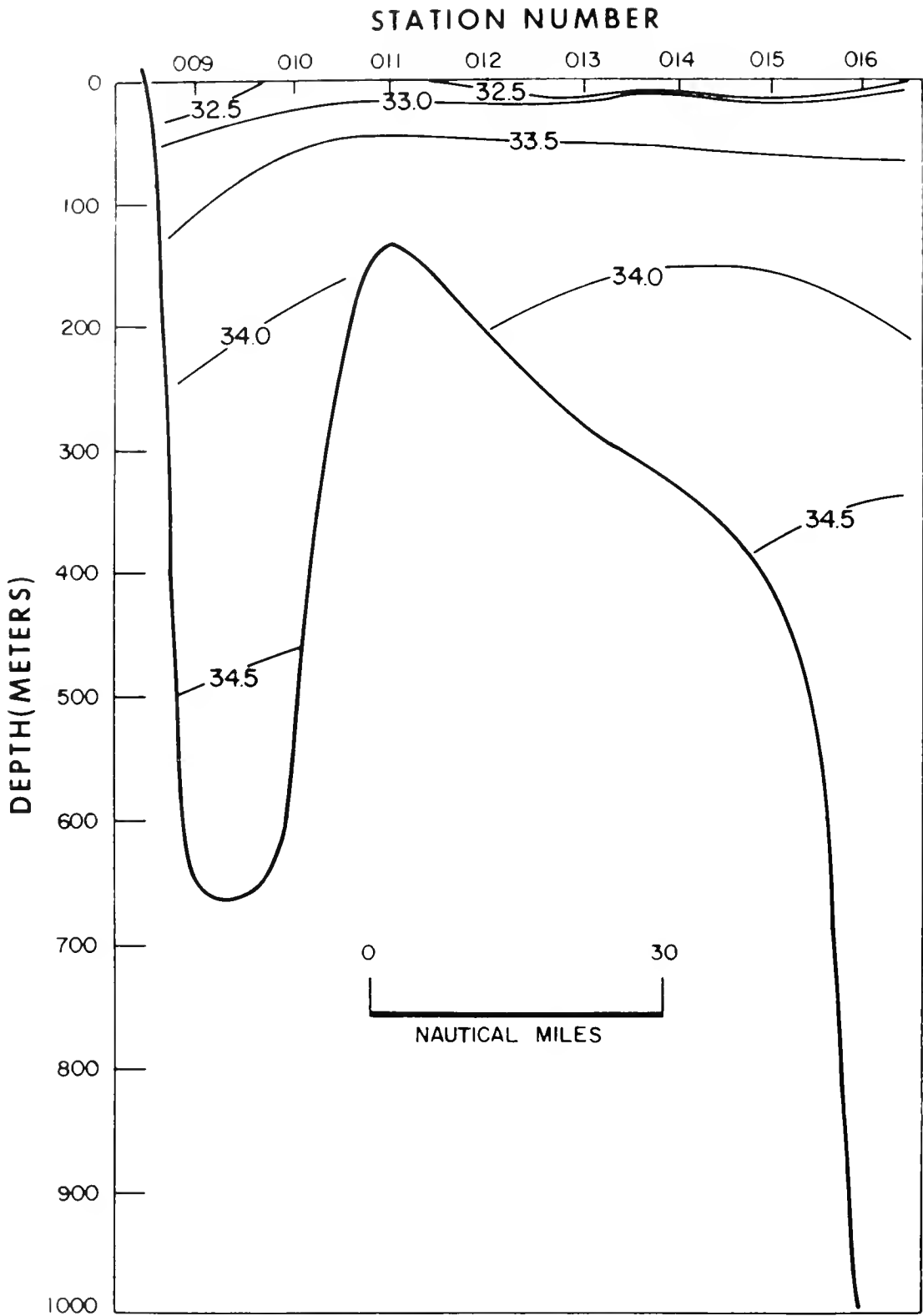


FIGURE 6. Vertical distribution of salinity (‰), Section B.

STATION NUMBER

024 023 022 021 020 019 018 017

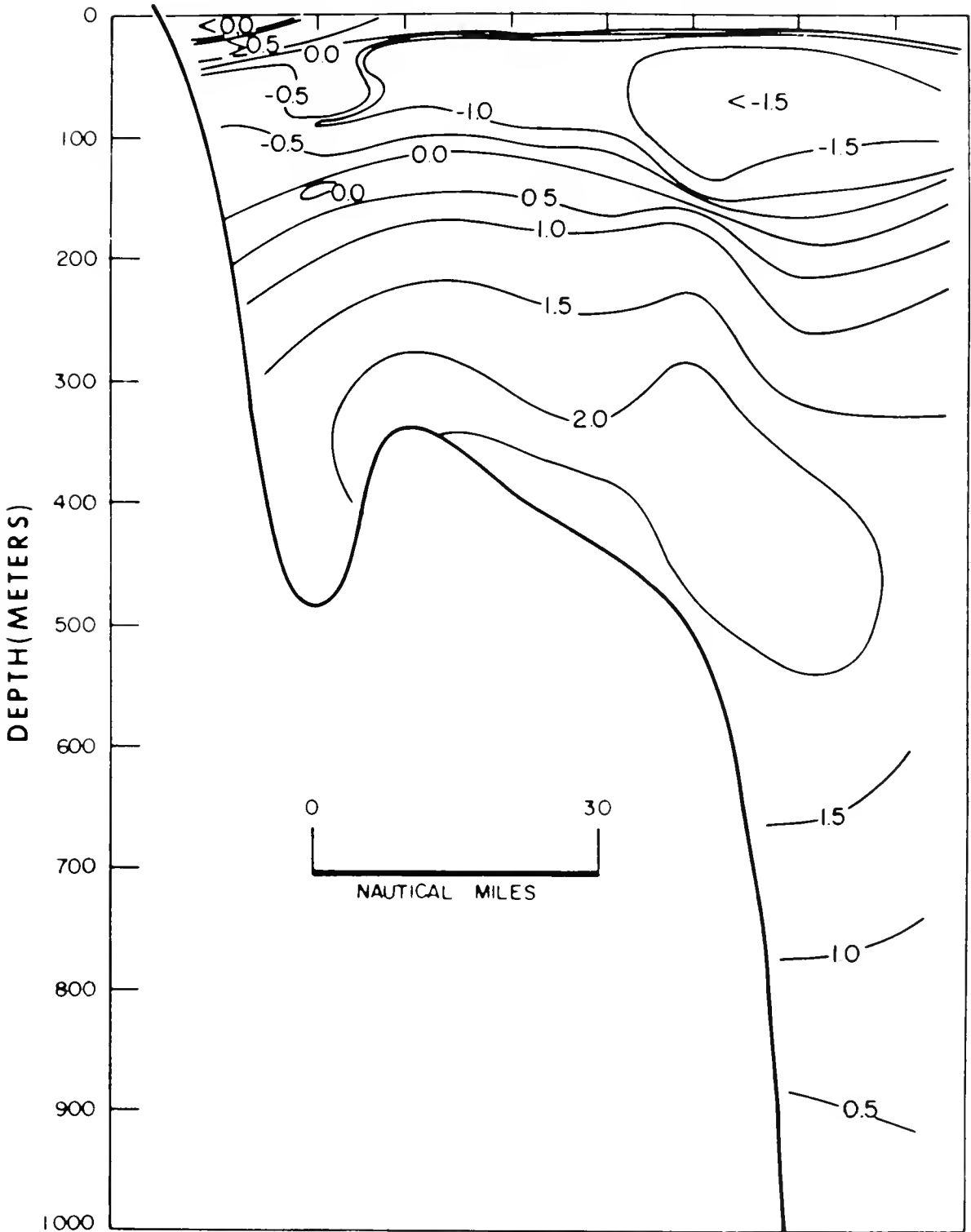


FIGURE 7. Vertical distribution of temperature ($^{\circ}$ C), Section C.

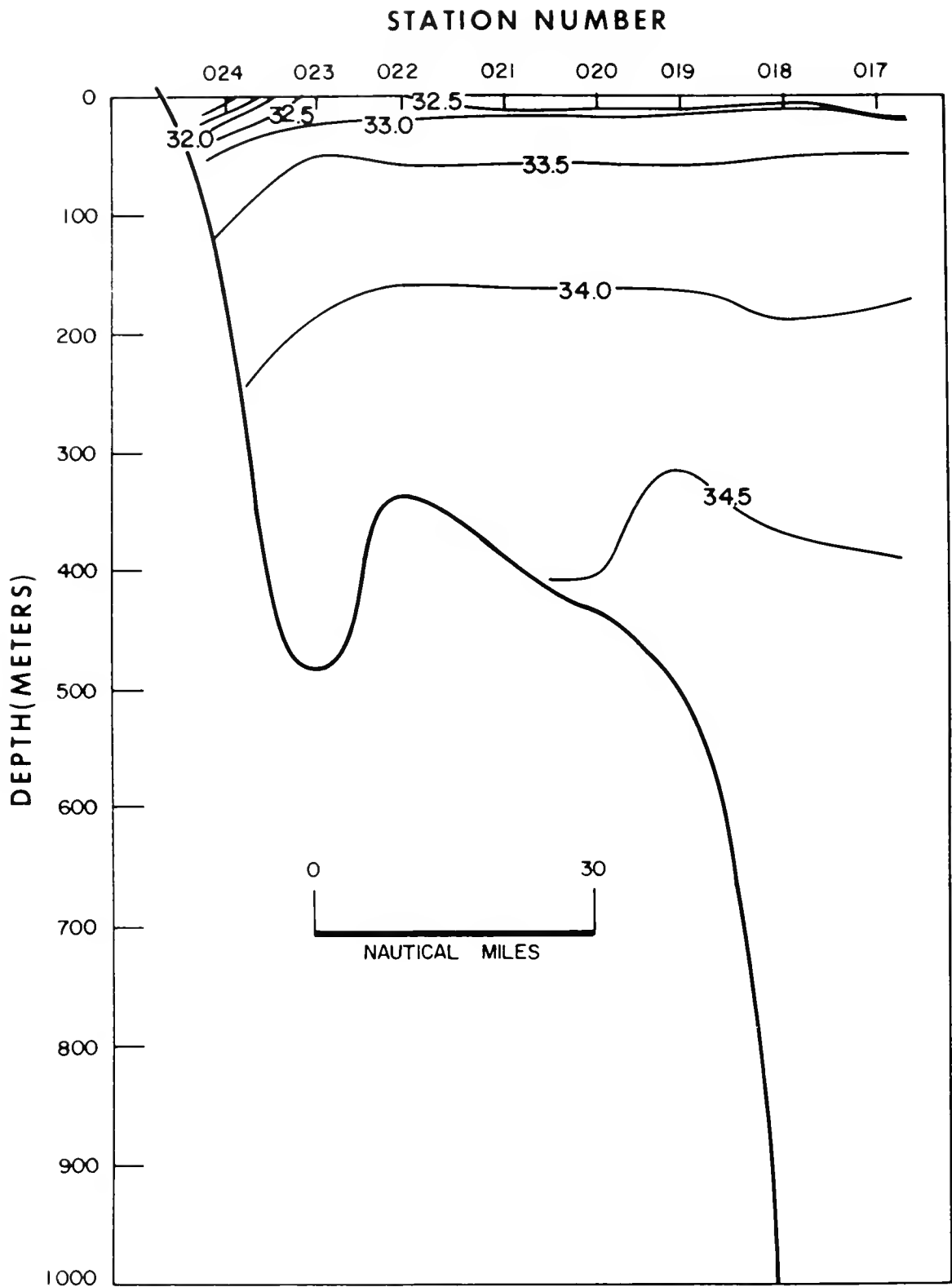


FIGURE 8. Vertical distribution of salinity (‰), Section C.

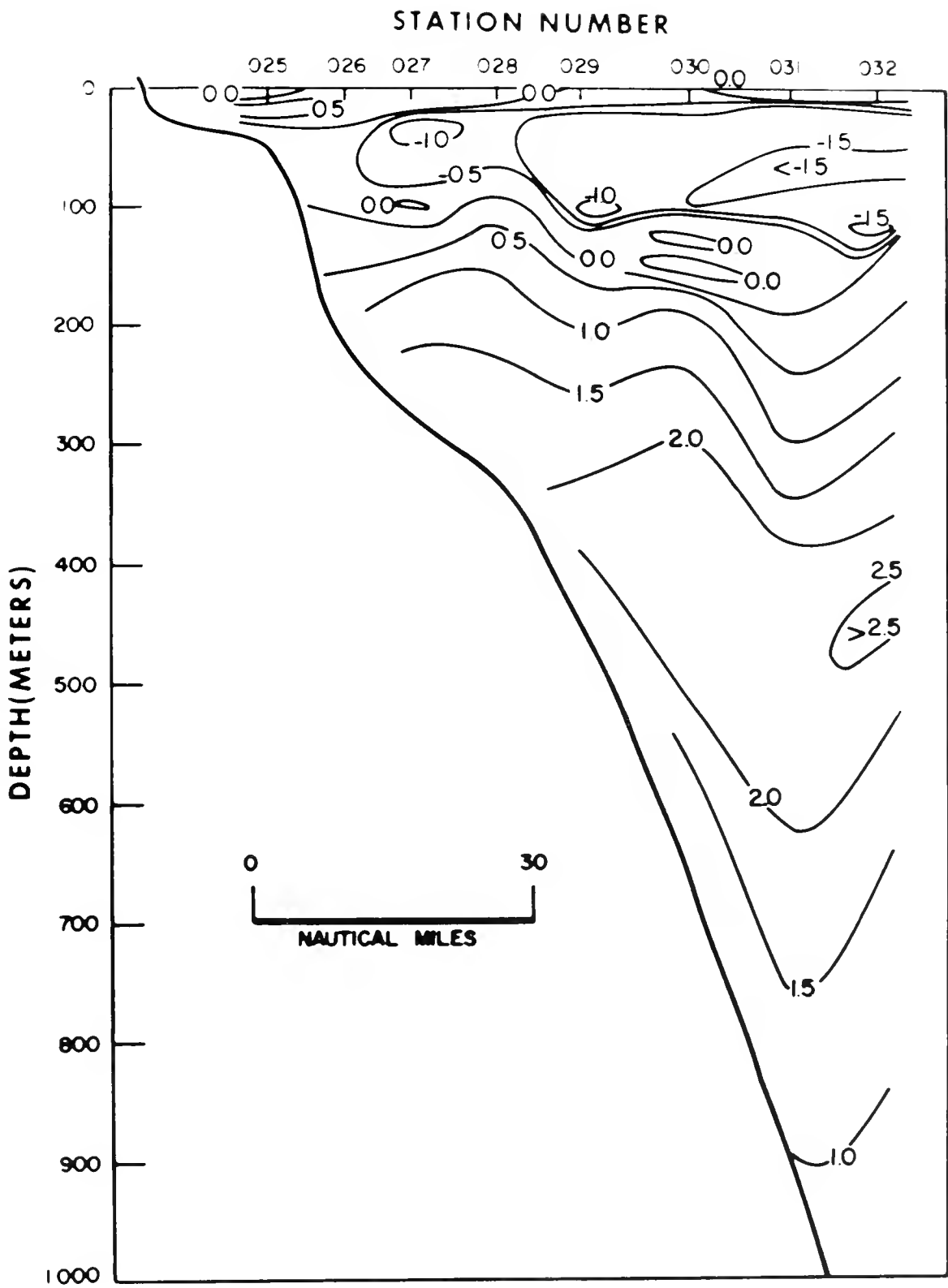


FIGURE 9. Vertical distribution of temperature (°C), Section D.

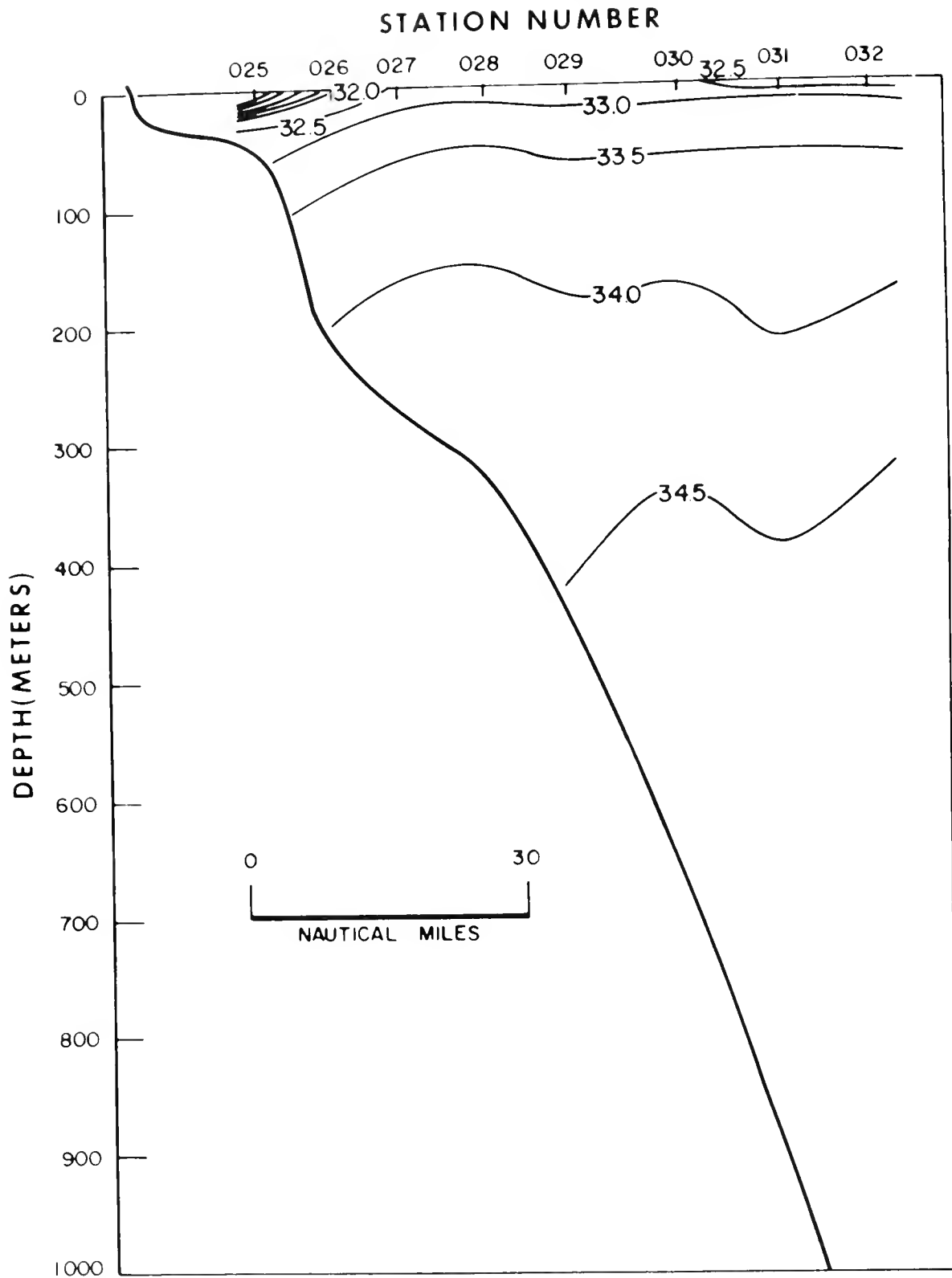


FIGURE 10. Vertical distribution of salinity (‰), Section D.

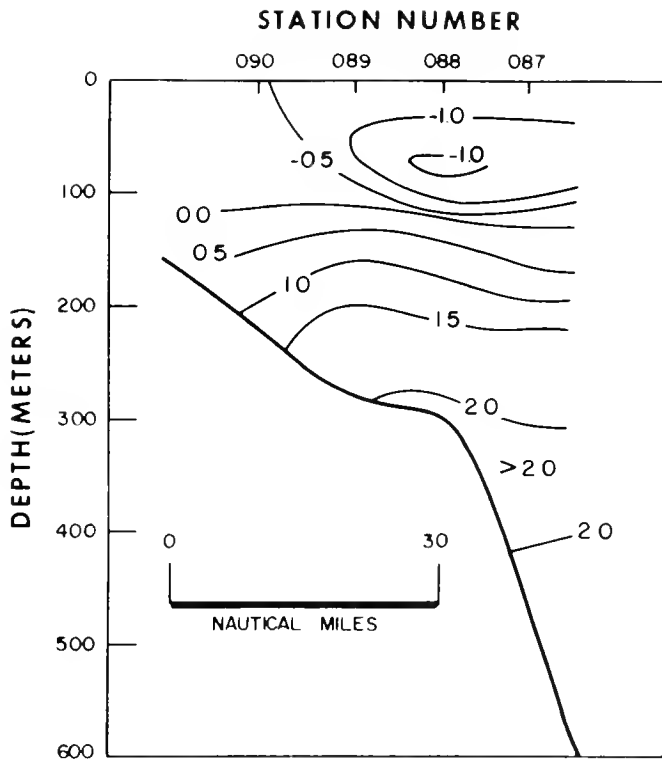


FIGURE 11. Vertical distribution of temperature ($^{\circ}\text{C}$), Section E.

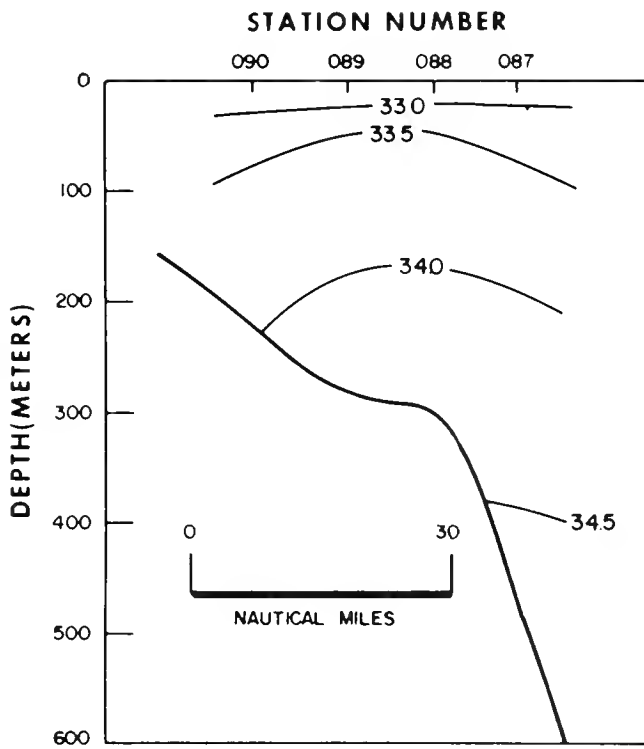


FIGURE 12. Vertical distribution of salinity (‰), Section E.

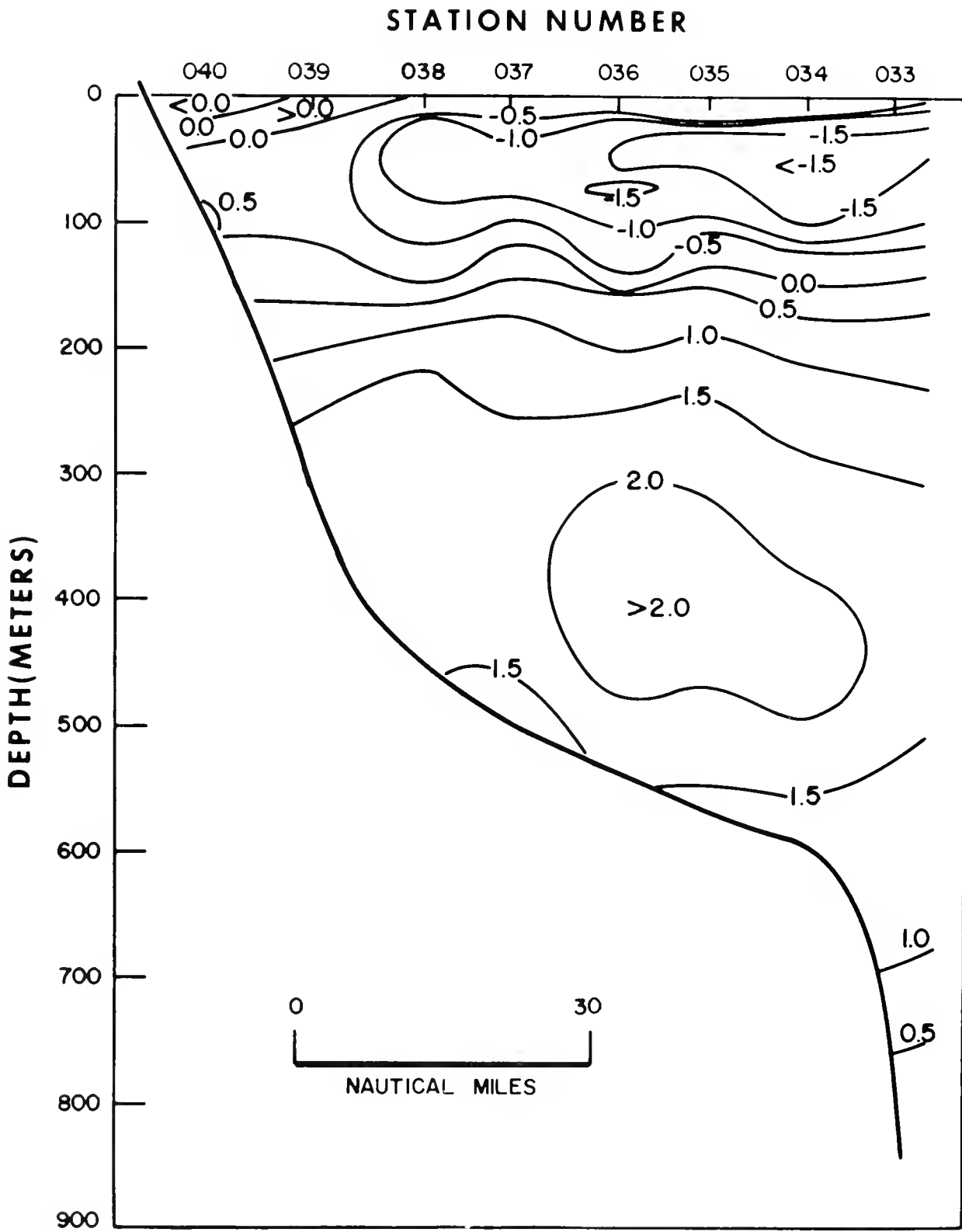


FIGURE 13. Vertical distribution of temperature ($^{\circ}\text{C}$), Section F.

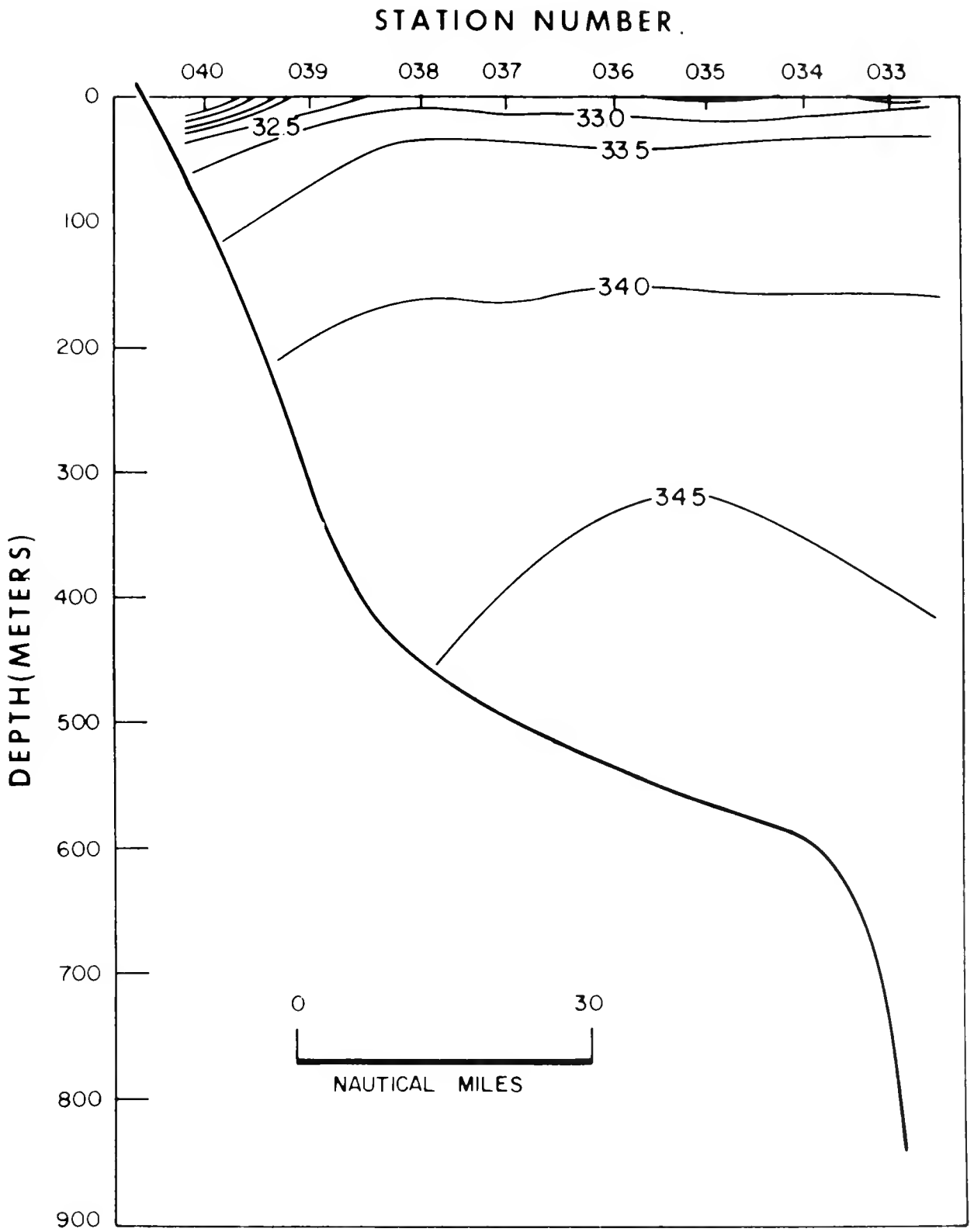


FIGURE 14. Vertical distribution of salinity (‰), Section F.

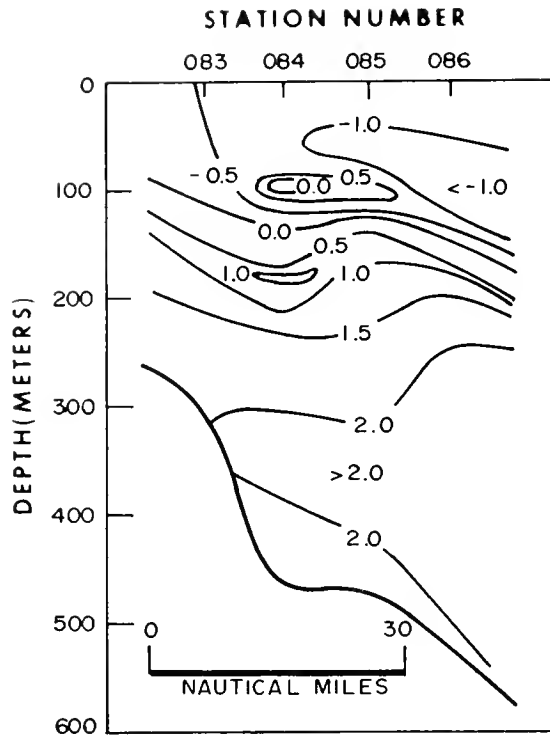


FIGURE 15. Vertical distribution of temperature ($^{\circ}\text{C}$), Section G.

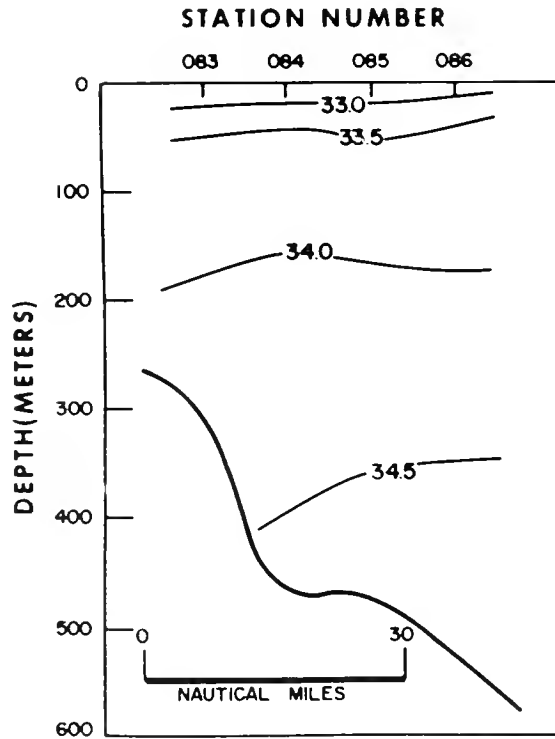


FIGURE 16. Vertical distribution of salinity (‰), Section G.

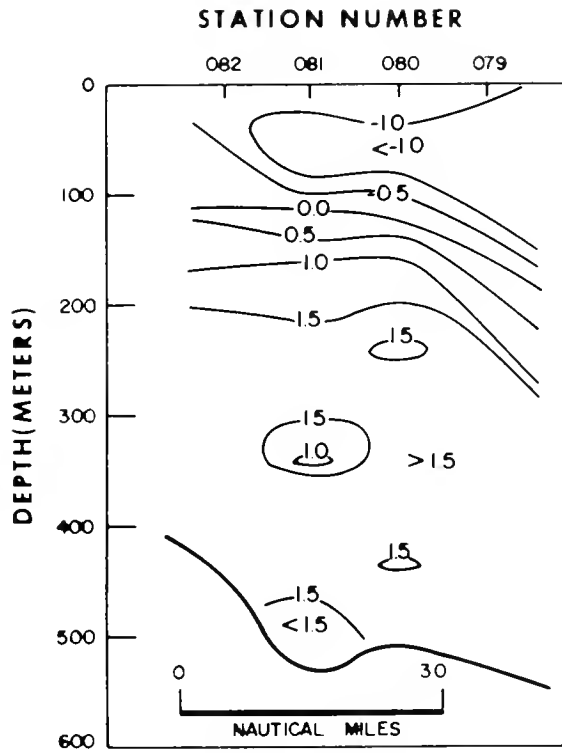


FIGURE 17. Vertical distribution of temperature ($^{\circ}\text{C}$), Section H.

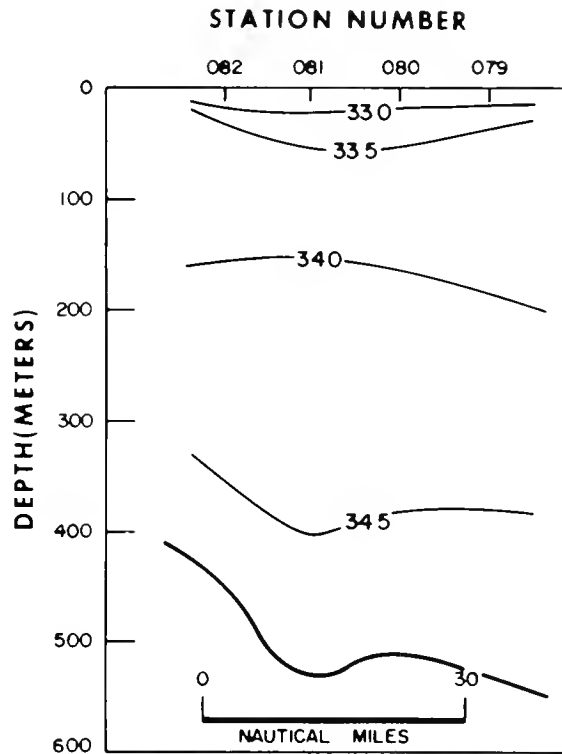


FIGURE 18. Vertical distribution of salinity (‰), Section H.

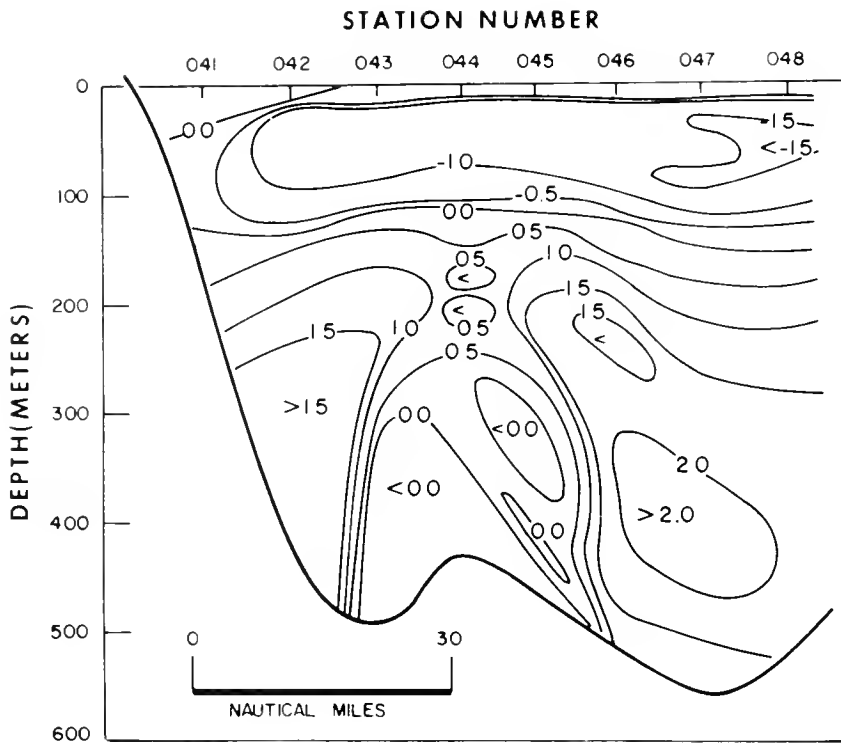


FIGURE 19. Vertical distribution of temperature ($^{\circ}\text{C}$), Section I.

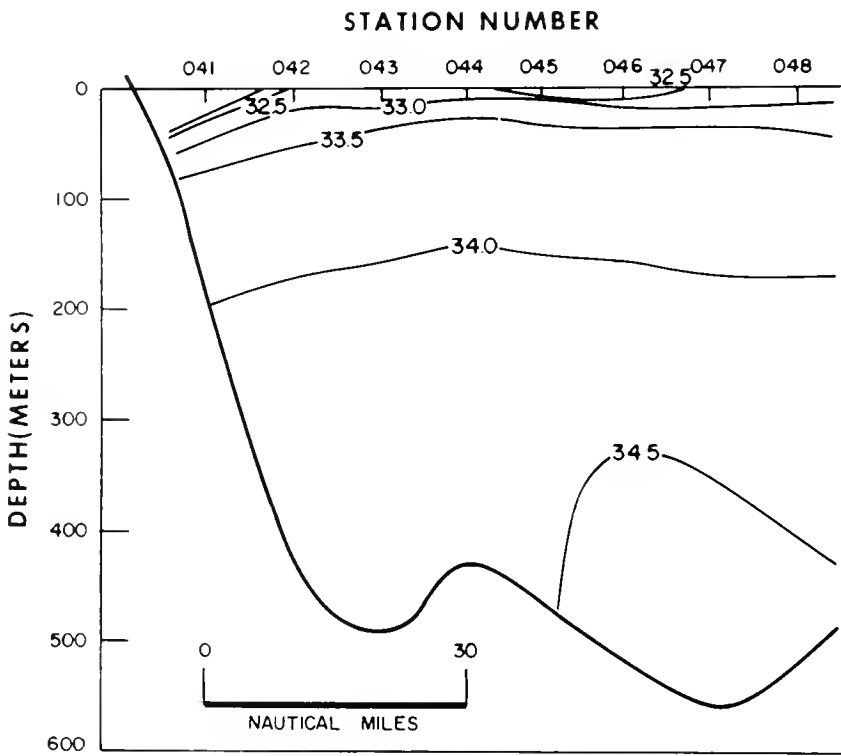


FIGURE 20. Vertical distribution of salinity (‰), Section I.

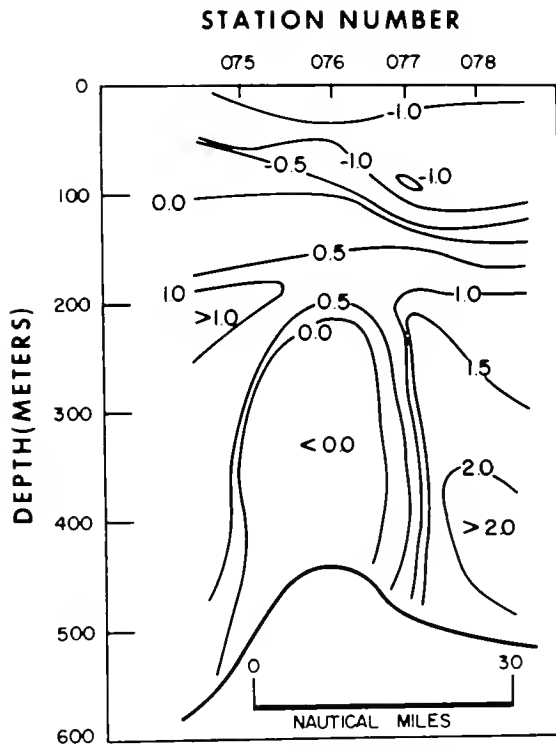


FIGURE 21. Vertical distribution of temperature ($^{\circ}\text{C}$), Section J.

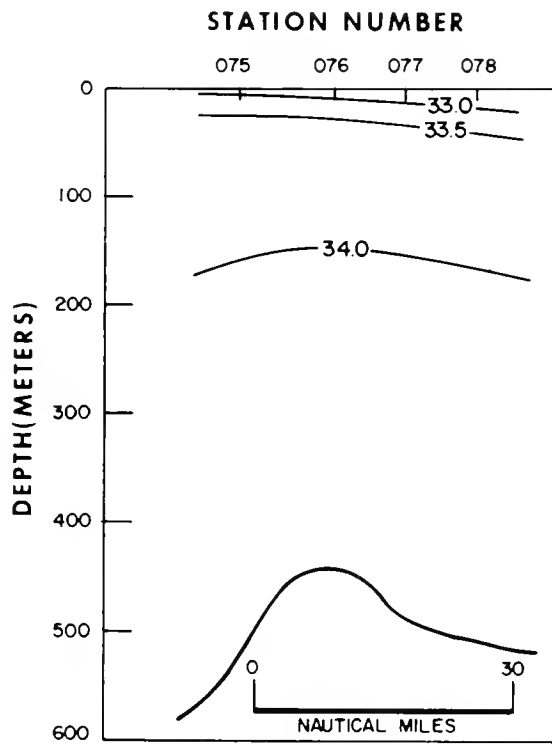


FIGURE 22. Vertical distribution of salinity (‰), Section J.

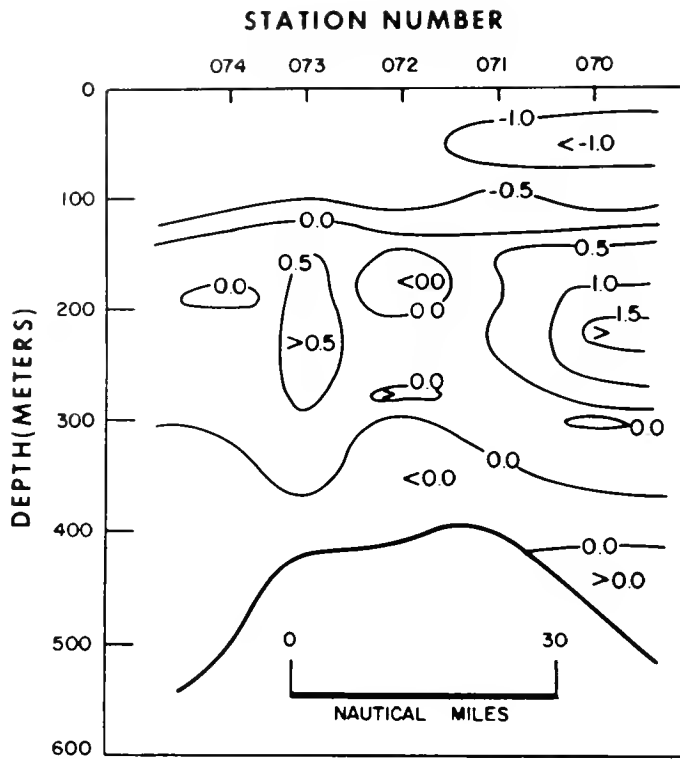


FIGURE 23. Vertical distribution of temperature ($^{\circ}\text{C}$), Section K.

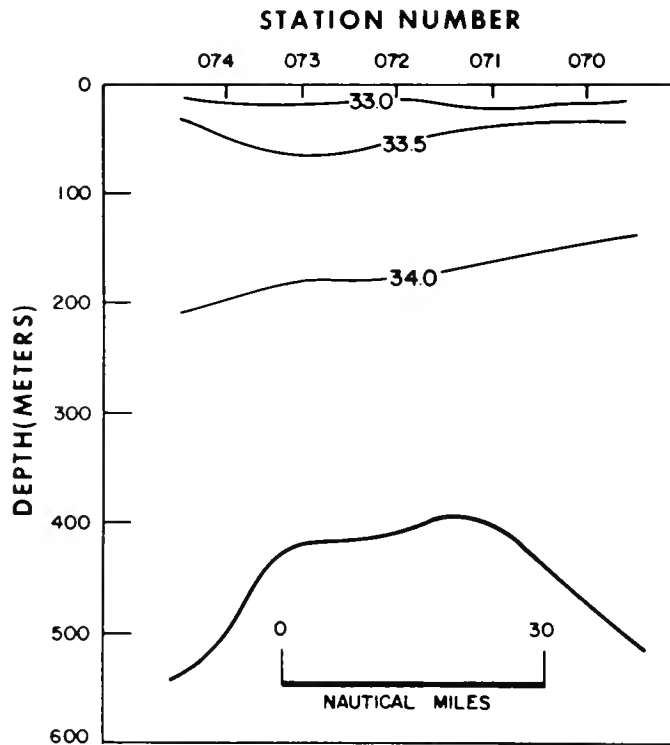


FIGURE 24. Vertical distribution of salinity (‰), Section K.

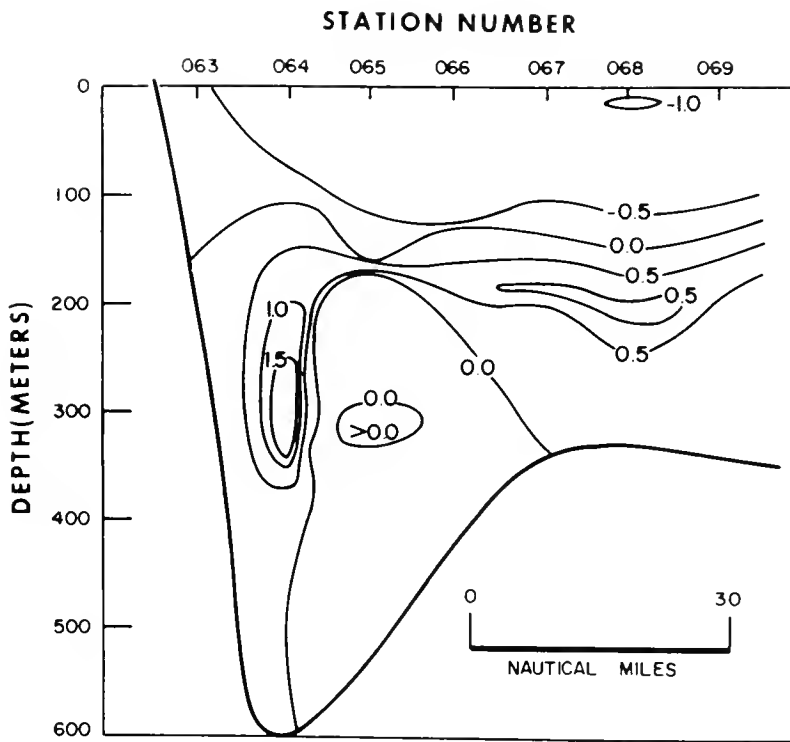


FIGURE 25. Vertical distribution of temperature ($^{\circ}\text{C}$), Section L.

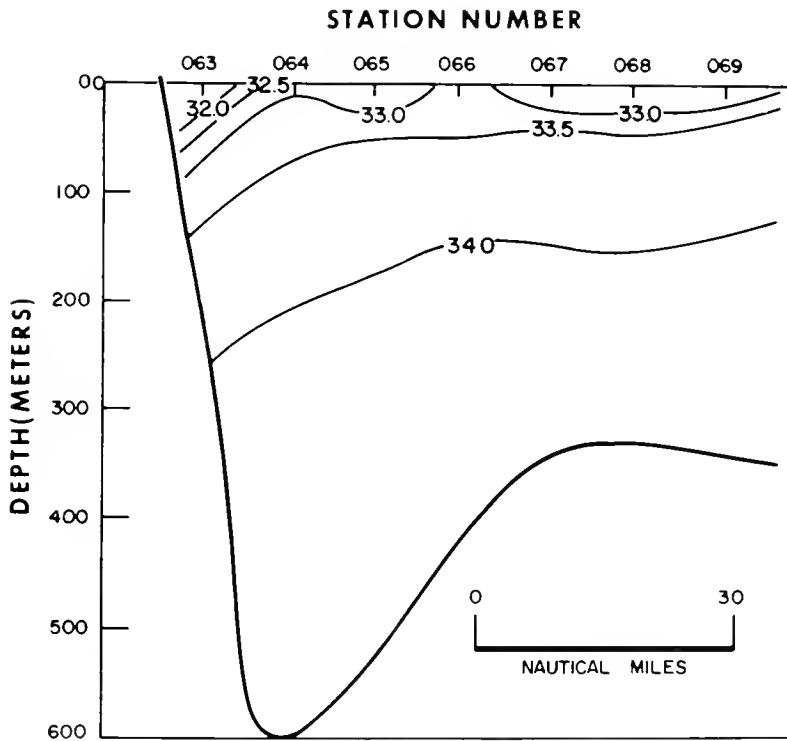


FIGURE 26. Vertical distribution of salinity (‰), Section L.

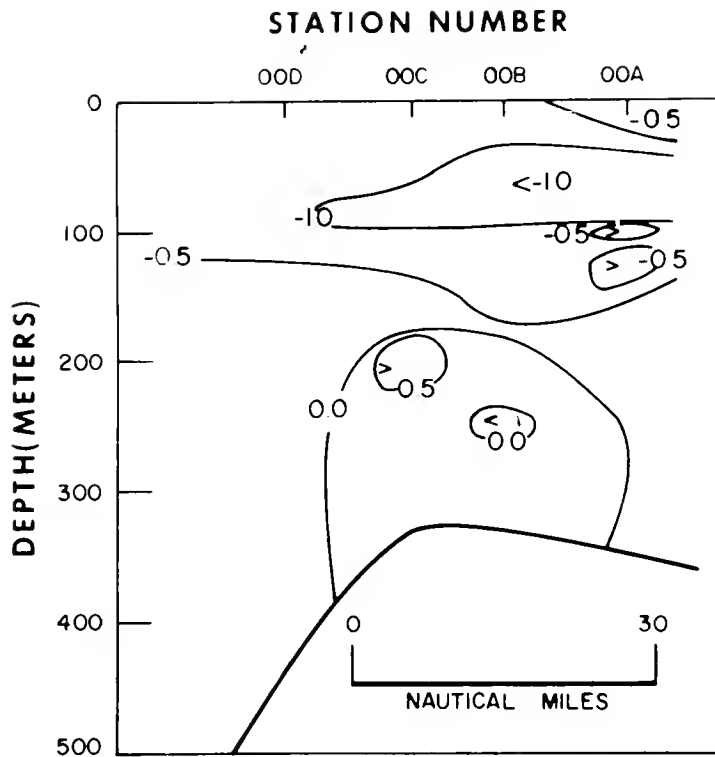


FIGURE 27. Vertical distribution of temperature ($^{\circ}\text{C}$), Section M.

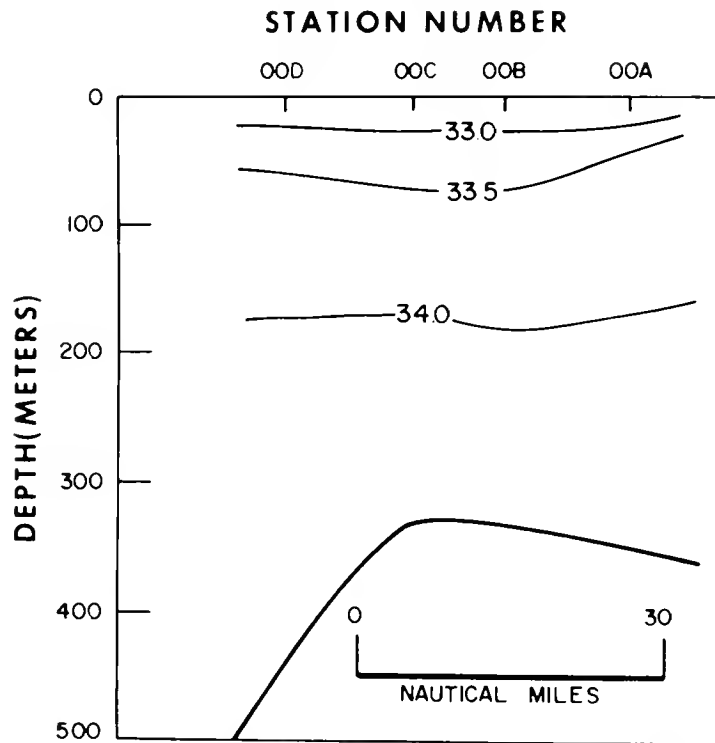


FIGURE 28. Vertical distribution of salinity (‰), Section M.

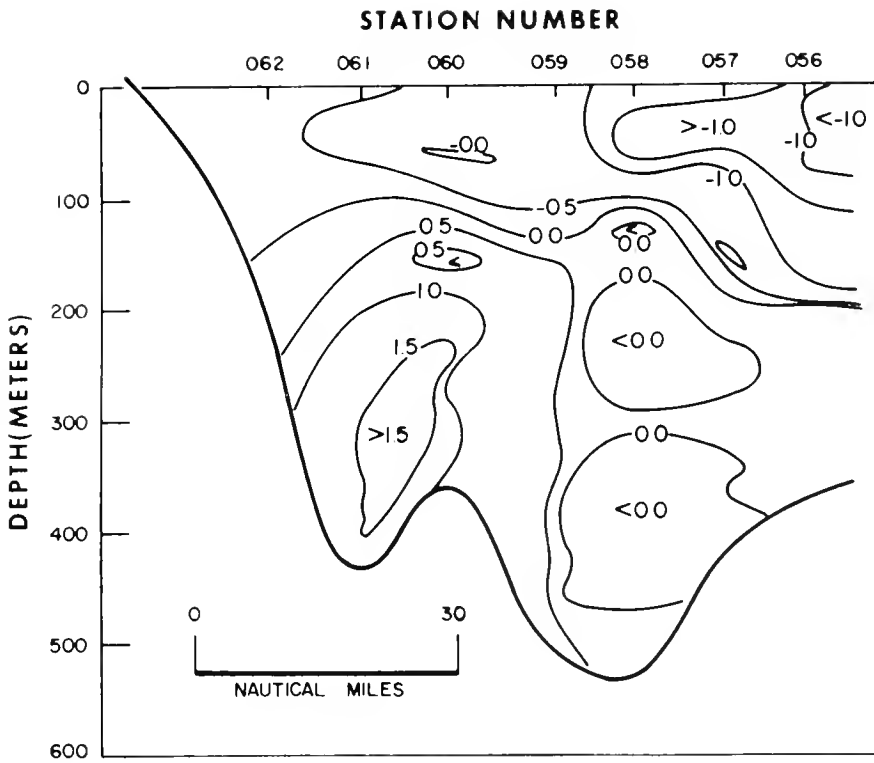


FIGURE 29. Vertical distribution of temperature ($^{\circ}\text{C}$), Section N.

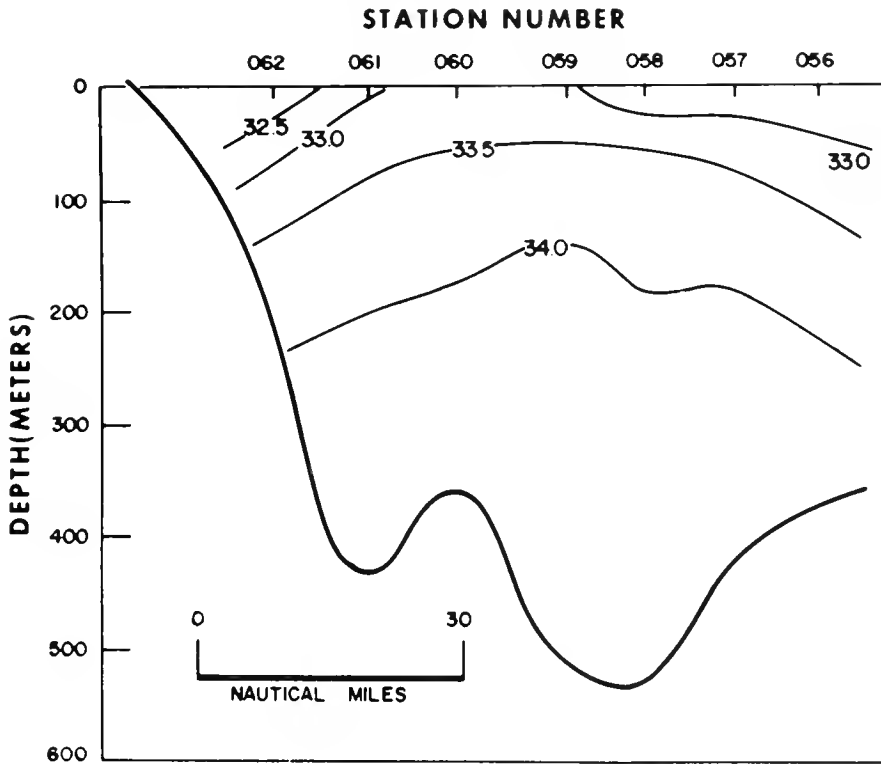


FIGURE 30. Vertical distribution of salinity (‰), Section N.

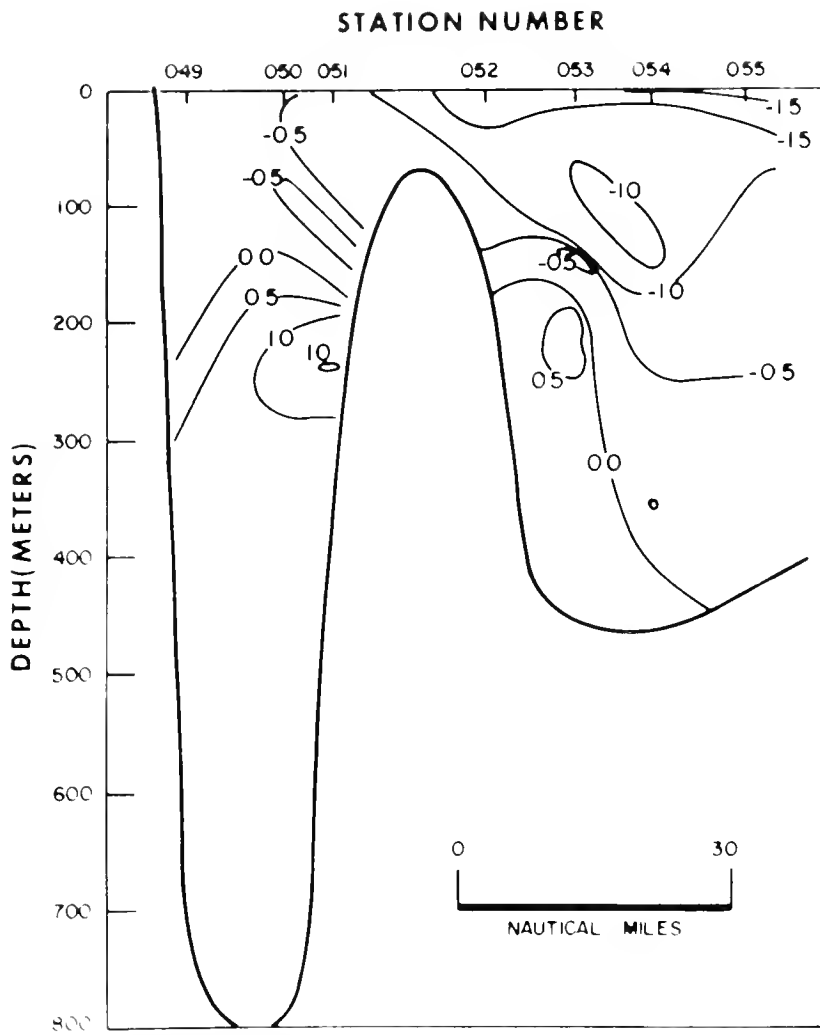


FIGURE 31. Vertical distribution of temperature ($^{\circ}\text{C}$), Section O.

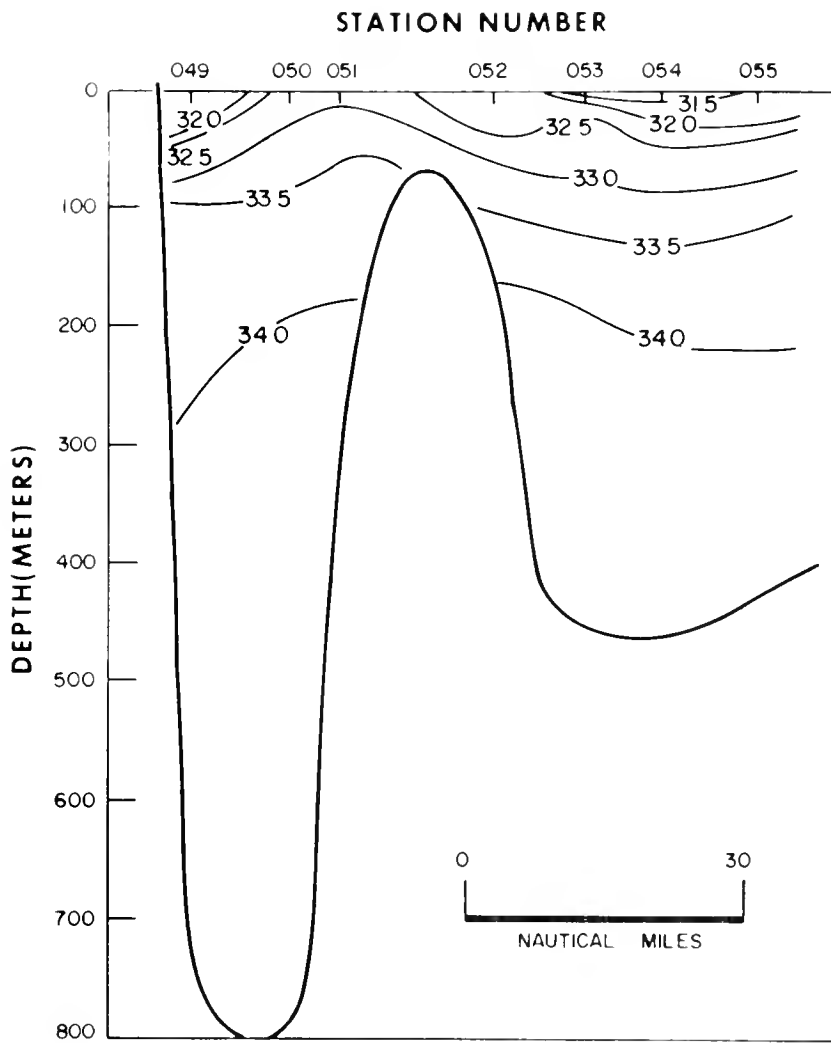


FIGURE 32. Vertical distribution of salinity (‰), Section O.

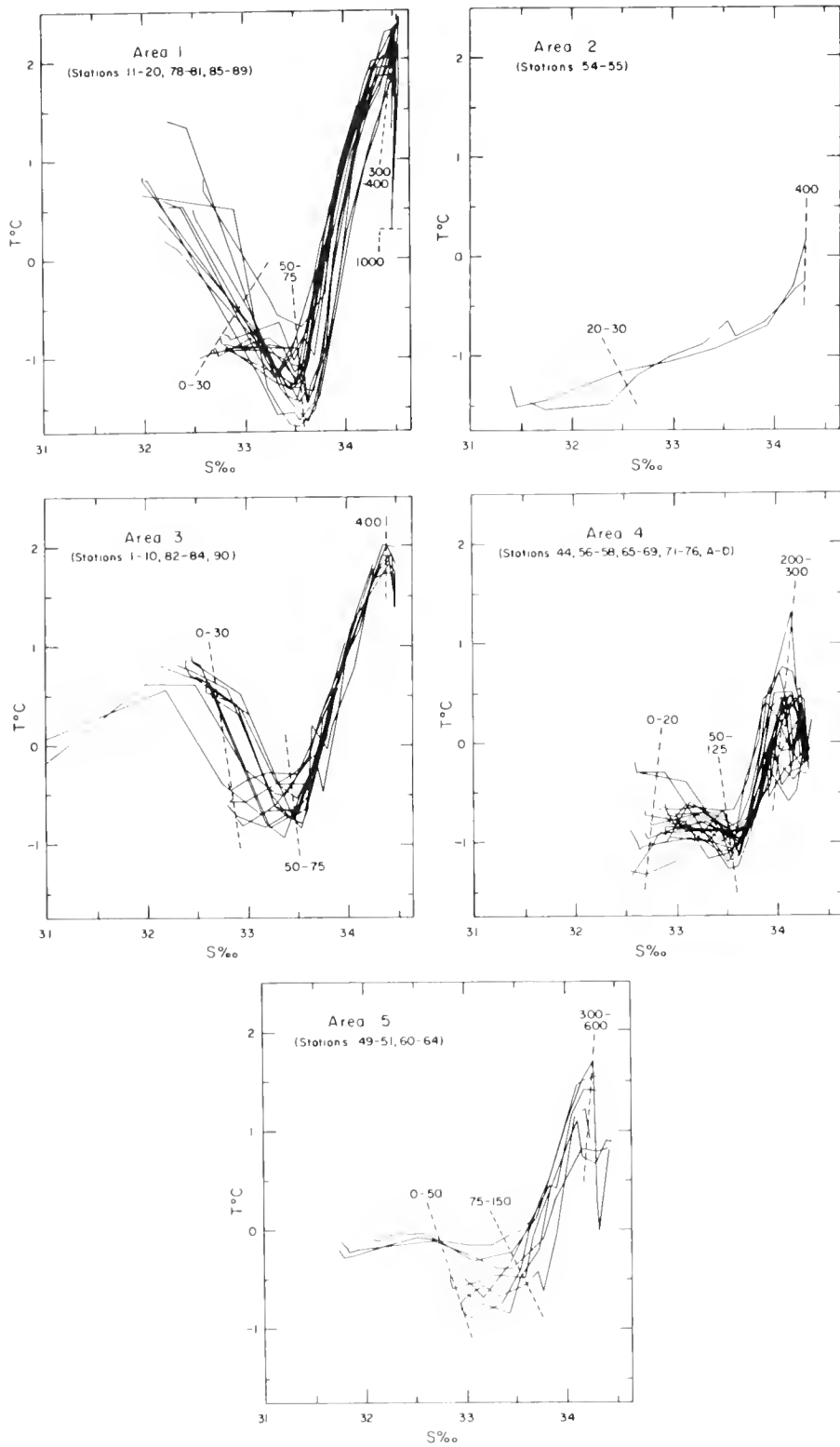


FIGURE 33. Temperature-salinity curves for the areas indicated on Figure 34.

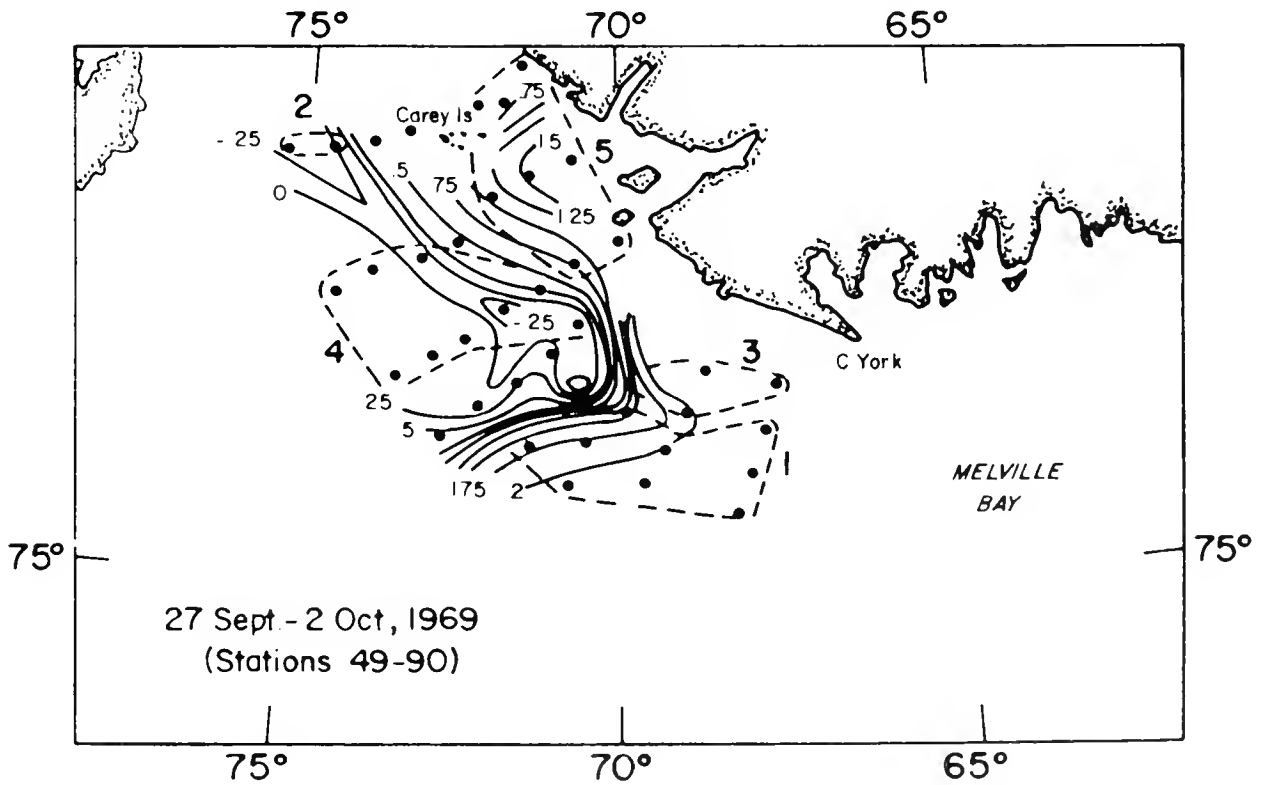
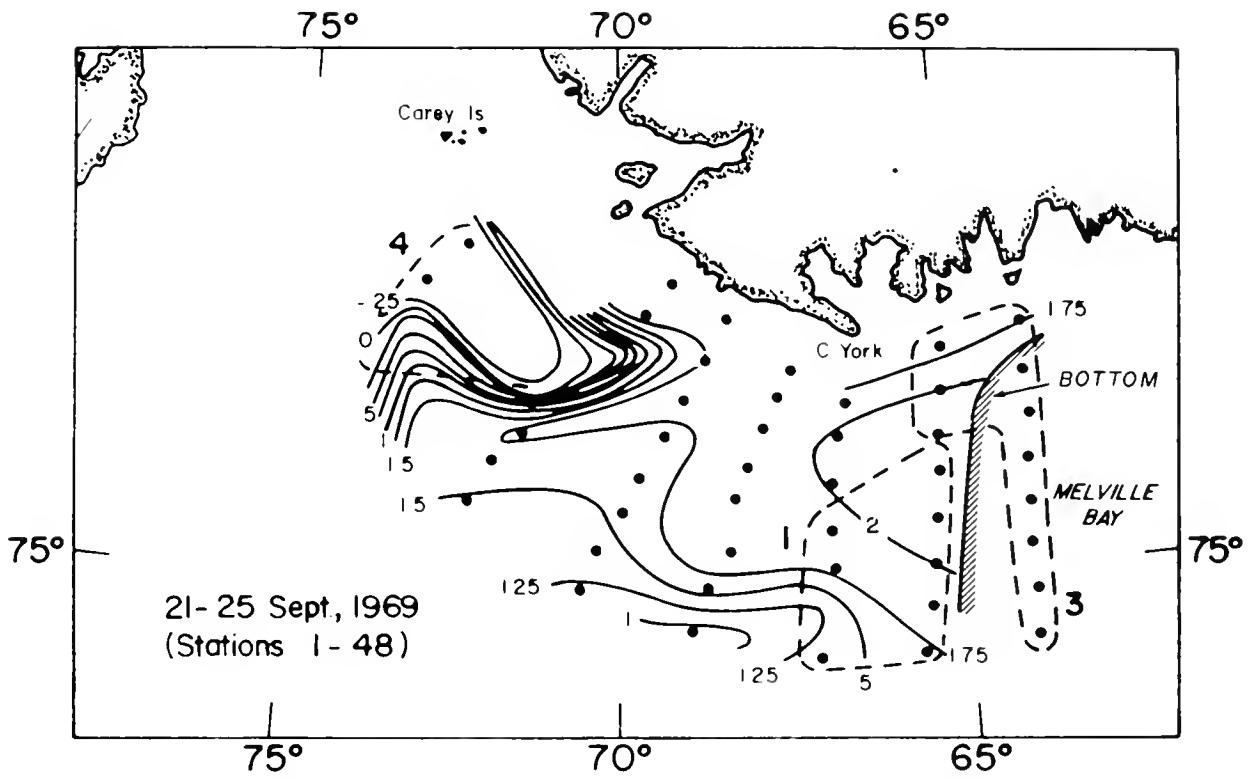


FIGURE 34. Temperature on the 27.5 sigma-t surface, with contour interval of 0.25°C. Numbered areas delineated by dashed lines are represented by correspondingly numbered temperature-salinity curves in Figure 33. Shaded area represents intersection of sigma-t surface with the bottom.

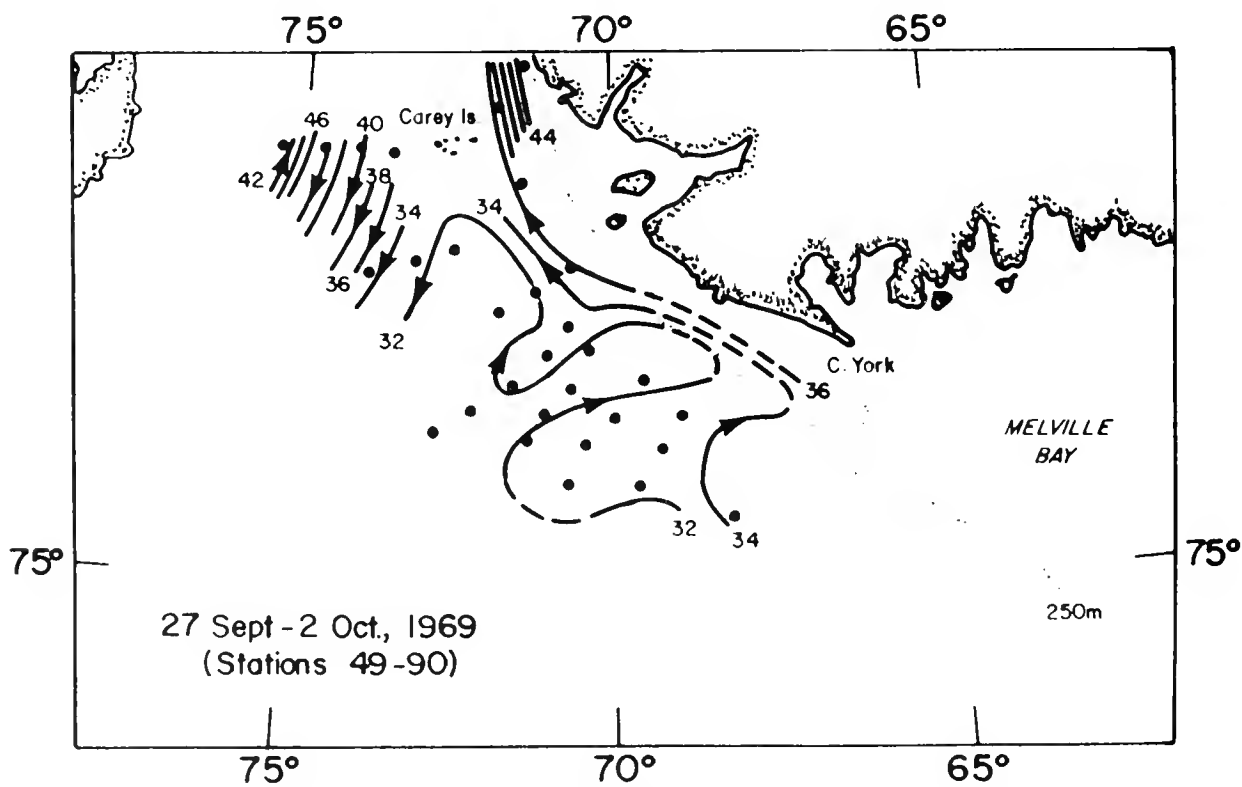
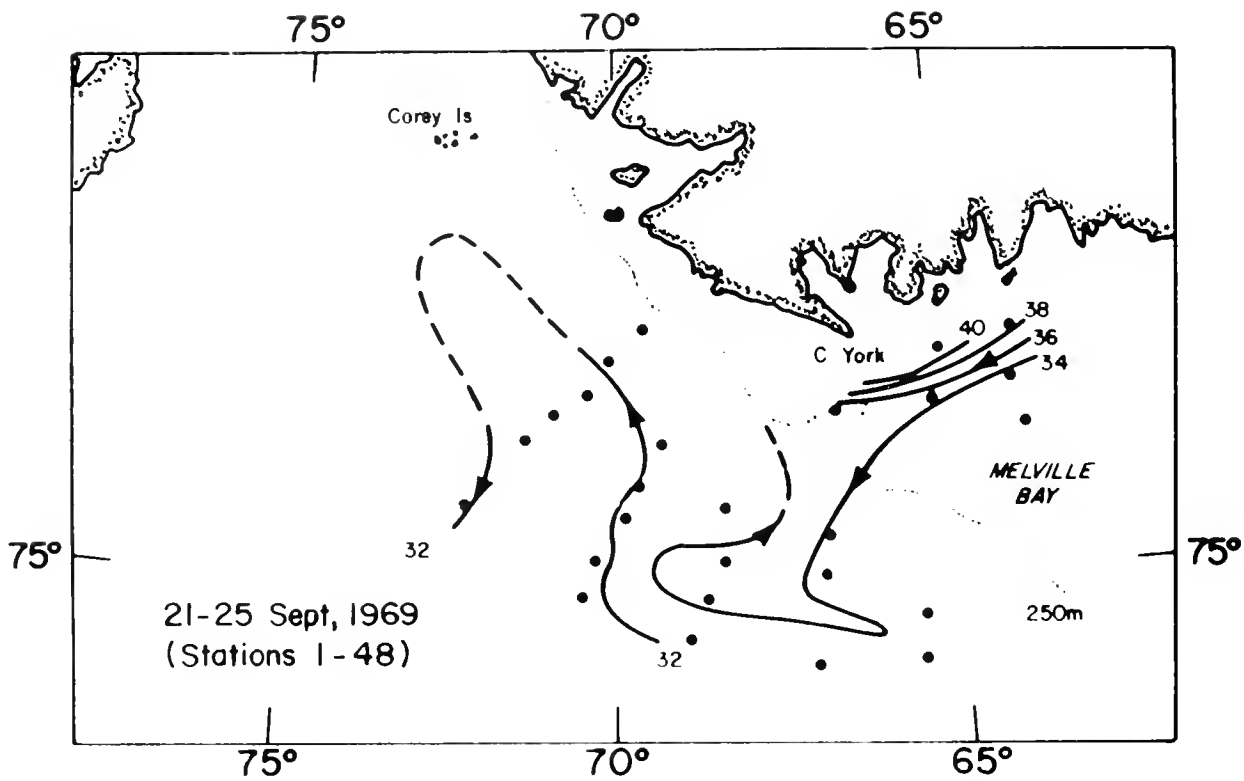


FIGURE 35. Dynamic topographies of the surface relative to 400 db, with contour interval of 2 dyn cm. Dotted line is the 250 m isobath.

APPENDIX A

OCEANOGRAPHIC DATA

Cruises Listed

- Table I—University of Washington, May 1969
 Table II—USCGC SOUTHWIND, August 1969
 Table III—USCGC WESTWIND, September–October 1969

Codes Utilized

A complete description of the codes utilized in the tabulation of oceanographic station data can be found in National Oceanographic Data Center publication M-2, *Processing Physical and Chemical Data from Oceanographic Stations*. (Rev. August 1964, supplement issued May 1966.)

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

Depth to bottom.....	Corrected or uncorrected sounding in meters.
Max. depth of samples.....	Depth of deepest sample to nearest multiple of one hundred meters.
Wave observations:	
DIR.....	Rounded to nearest multiple of ten degrees.
HGT.....	In increments of ½ m. Sum of 5 meters plus increments of ½ m if 50 is added to direction.
PER.....	If numerals 2 through 9 are entered, period in seconds is twice the numeric entry or 2 × (numeric entry) + 1. For other entries see WMO Code 3155.
SEA.....	Sea state according to WMO Code 3700.
Weather code.....	If preceded by X, weather according to WMO Code 4501. If a two-digit entry, weather according to WMO Code 4677.
Cloud code:	
Type.....	Cloud type according to WMO Code 0500.
Amount.....	Cloud amount in eighths. Entry of the numeral 9 indicates cloud amount could not be estimated.
Water:	
Color code.....	Color according to Forel-Ule scale.
Trans.....	Transparency in whole meters as determined by Secchi disc.
Wind:	
Dir.....	Rounded to nearest multiple of ten degrees.
Speed or force.....	If preceded by letter S, wind speed in knots; if preceded by letter F, wind force according to Beaufort scale.
Barometer.....	Barometric pressure given in tens, units and tenths of millibars.
Air temp., °C.....	Air temperature to tenths of a degree centigrade.
Vis. code.....	Visibility according to WMO Code 4300.
No. obs, depths.....	Number of observed levels associated with the station.
Messenger time.....	Entered in hours and tenths of an hour GMT. For Nansen casts, indicates time of release of messenger applicable to the observational level. For STD casts, indicates the starting time of lowering the sensor.
Card type.....	OBS designates observed levels. STD indicates the values at this standard level were interpolated by a modified 3-point LaGrange formula.
Depth (m).....	Depth to nearest meter. A postscript T indicates depth was obtained thermometrically; Z indicates uncorrected "wire out" depth. Postscript Q indicates value was marked doubtful by originator; P indicates value was considered doubtful by NODC. Postscripts P and Q retain this meaning throughout the following entries.
T °C.....	Temperature to hundredths of a degree Centigrade.
S ‰.....	Salinity in parts-per-thousand.
SIGMA-T.....	Entered to hundredths.
Specific-volume.....	Multiply entry by 10 ⁻⁷ to obtain specific-volume anomaly in cubic centimeters per gram.

Anomaly—X 10 ⁷	
ΣΔD Dyn. M. X 10 ³ -----	Multiply entry by 10 ⁻³ to obtain anomaly of dynamic height in dynamic meters referenced to the sea surface.
Sound velocity-----	Sound velocity according to Wilson's formula entered to tenths of a meter persecond.
O ₂ ml/l-----	Dissolved oxygen in milliliters per liter entered to hundredths.
PO ₄ —P μg-at/l-----	Inorganic phosphate in microgram-atoms per liter entered to hundredths.
Total-P μg-at/l-----	Total phosphorus in microgram-atoms per liter entered to hundredths.
NO ₂ -N μg-at/l-----	Nitrite-nitrogen in microgram-atoms pre liter entered to hundredths.
NO ₃ -N μg-at/l-----	Nitrate-nitrogen in microgram-atoms per liter entered to tenths.
SiO ₄ -Si μg-at/l-----	Silicate-silicon in microgram-atoms per liter entered to whole units.
pH-----	Entered to hundredths.

TABLE I. Observed and interpolated oceanographic data from stations taken from an ice camp in Kane Basin, 7-20 May 1969, prepared from NODC Listing No. 31-1506.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	WATER INDICATOR	STATION TIME (GMT)					YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
311506			79160N	072480W	260	92	05	07	208	1969	KB2	001	0237					0	0001		
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB									
						00	500		230					8	07						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	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				
208	OBS	0025	-0176	32751	2637				14384												
	STD	0030	-0178	3275	2637		0016575		14383												
	STD	0050	-0180	3275	2638		0016539		14386												
208	OBS	0050	-0180	32754	2638				14386												
	STD	0075	-0174	3290	2649		0015447		14395												
208	OBS	0075	-0174	32895	2649				14395												
	STD	0100	-0160	3304	2661		0014324		14408												
208	OBS	0100	-0160	33043	2661				14408												
	STD	0125	-0102	3331	2681		0012438		14443												
	STD	0150	-0062	3362	2704		0010197		14470												
208	OBS	0150	-0062	33622	2704				14470												
	STD	0200	-0037	3442	2768		0004232		14501												
208	OBS	0200	-0037	34418	2768				14501												
208	OBS	0230	-0015	34563	2778				14518												
311506			79160N	072480W	260	92	05	08	042	1969	KB2	002	0237				28	8	0002		
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB									
						00	500		224	-170				2	07						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	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				
042	OBS	0025	-0175	32751	2637				14384												
	STD	0030	-0176	3275	2637		0016618		14384												
	STD	0050	-0177	3273	2636		0016729		14387												
042	OBS	0050	-0177	32730	2636				14387												
	STD	0075	-0171	3289	2648		0015523		14396												
042	OBS	0075	-0171	32886	2648				14396												
	STD	0100	-0156	3286	2646		0015715		14407												
042	OBS	0100	-0156	32863	2646				14407												
	STD	0125	-0106	3364	2707		0009900		14446												
	STD	0150	-0069	3417	2749		0005979		14474												
042	OBS	0150	-0069	34171	2749				14474												
	STD	0200	-0032	3447	2771		0003899		14504												
042	OBS	0200	-0032	34465	2771				14504												
042	OBS	0230	-0016	34523	2775				14517												
311506			79160N	072480W	260	92	05	08	129	1969	KB2	003	0237				9		0003		
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB									
						00	500		230	-110				5	07						
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	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				
129	OBS	0025	-0160	32731	2635				14391												
	STD	0030	-0161	3273	2635		0016780		14391												
	STD	0050	-0162	3273	2635		0016792		14394												
129	OBS	0050	-0162	32726	2635				14394												
	STD	0075	-0160	3283	2644		0015948		14401												
129	OBS	0075	-0160	32834	2644				14401												
	STD	0100	-0155	3303	2660		0014414		14410												
129	OBS	0100	-0155	33033	2660				14410												
	STD	0125	-0094	3376	2717		0009027		14453												
	STD	0150	-0052	3424	2754		0005535		14483												
129	OBS	0150	-0052	34239	2754				14483												
	STD	0200	-0029	3446	2771		0003921		14505												
129	OBS	0200	-0029	34464	2771				14505												
129	OBS	0230	-0003	34538	2776				14523												

TABLE I.—Continued

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	% ASDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10'	1"	MO	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506		79160N	072480W	260	92	05	08	201	1969		KB2	004	0237						3		0004
					WATER		WIND		AIR TEMP. °C			NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE (m/s)	BARO-METER (mbs)	DRY BULB	WET BULB	VIS. CODE									
							28	502	220	-040			07								
MESSAGE 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	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	SIC				
201		OBS	0025	-0180	32743	2637			14382												
		STD	0030	-0180	3275	2638	0016571		14382												
		STD	0050	-0181	3279	2640	0016275		14386												
201		OBS	0050	-0181																	
		STD	0075	-0175	3283	2644	0015921		14393												
201		OBS	0075	-0175	32833	2644			14393												
		STD	0100	-0169	3302	2659	0014486		14403												
201		OBS	0100	-0169	33019	2659			14403												
		STD	0125	-0116	3372	2714	0009253		14442												
		STD	0150	-0074	3421	2752	0005698		14473												
201		OBS	0150	-0074	34205	2752			14473												
		STD	0200	-0025	3450	2774	0003675		14508												
201		OBS	0200	-0025	34499	2774			14508												
201		OBS	0230	-0018	34560	2778			14517												

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	% ASDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10'	1"	MO	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506		79160N	072480W	260	92	05	09	025	1969		KB2	005	0237						1		0005
					WATER		WIND		AIR TEMP. °C			NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE (m/s)	BARO-METER (mbs)	DRY BULB	WET BULB	VIS. CODE									
							30	501	224	-122		8	07								
MESSAGE 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	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	SIC				
025		OBS	0025	-0181	32730	2636			14381												
		STD	0030	-0181	3273	2636	0016761		14382												
		STD	0050	-0181	3272	2635	0016829		14385												
025		OBS	0050	-0181	32716	2635			14385												
		STD	0075	-0173	3287	2647	0015626		14395												
		STD	0075	-0173	32872	2647			14395												
		STD	0100	-0169	3298	2656	0014770		14403												
025		OBS	0100	-0169	32982	2656			14403												
		STD	0125	-0099	3377	2718	0008932		14451												
		STD	0150	-0052	3424	2754	0005558		14483												
025		OBS	0150	-0052	34236	2754			14483												
		STD	0200	-0027	3421	2750	0005894		14503												
025		OBS	0200	-0027	34206	2750			14503												
025		OBS	0230	-0011	34571	2779			14520												

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	% ASDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10'	1"	MO	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506		79160N	072480W	260	92	05	09	041	1969		KB2	006	0237					28	1		0006
					WATER		WIND		AIR TEMP. °C			NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE (m/s)	BARO-METER (mbs)	DRY BULB	WET BULB	VIS. CODE									
							30	501	224	-122		2	07								
MESSAGE 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	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	SIC				
042		OBS	0025	-0182	32700	2633			14380												
		STD	0030	-0182	3271	2634	0016929		14381												
		STD	0050	-0182	3273	2636	0016742		14384												
042		OBS	0050	-0182	32727	2636			14384												
		STD	0075	-0175	3289	2649	0015452		14394												
042		OBS	0075	-0175	32894	2649			14394												
		STD	0100	-0170	3298	2656	0014799		14402												
042		OBS	0100	-0170	32978	2656			14402												
		STD	0125	-0101	3377	2718	0008924		14450												
		STD	0150	-0054	3428	2757	0005221		14483												
042		OBS	0150	-0054	34279	2757			14483												
		STD	0200	-0027	3446	2770	0003969		14506												
042		OBS	0200	-0027	34459	2770			14506												
042		OBS	0230	-0016	34540	2776			14517												

TABLE I.—Continued

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
						10'	1"		MO	DAY			HR.1/10	CRUISE NO.	STATION NUMBER			
311506			79160N	072480W		260	92 05 09 128	1969	KB2	007	0237					43	X 19	0007
						WATER		WIND		BARO- METER		AIR TEMP. °C		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (ml)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS					
						00	500		237	-081		5	07					

MESSAGE TIME HR 1/10	CAST 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	SiO ₄ -Si μg - at/l	pH	S C C
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128	OBS	0025	-0182	32727	2636				14380								
	STD	0030	-0182	3272	2635	0016783			14381								
	STD	0050	-0181	3271	2634	0016875			14385								
128	OBS	0050	-0181	32710	2634				14385								
	STD	0075	-0173	3281	2642	0016125			14394								
128	OBS	0075	-0173	32807	2642				14394								
	STD	0100	-0151	3303	2659	0014463			14412								
128	OBS	0100	-0151	33028	2659				14412								
	STD	0125	-0110	3358	2703	0010345			14443								
	STD	0150	-0076	3400	2735	0007285			14469								
128	OBS	0150	-0076	33996	2735				14469								
	STD	0200	-0027	3442	2767	0004274			14506								
128	OBS	0200	-0027	34419	2767				14506								
128	OBS	0230	-0017	34561	2778				14517								

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
						10'	1"		MO	DAY			HR.1/10	CRUISE NO.	STATION NUMBER			
311506			79160N	072480W		260	92 05 09 200	1969	KB2	008	0237						1	0008
						WATER		WIND		BARO- METER		AIR TEMP. °C		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (ml)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS					
						00	500		230	060		8	07					

MESSAGE TIME HR 1/10	CAST 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	SiO ₄ -Si μg - at/l	pH	S C C
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200	OBS	0025	-0176	32733	2636				14383								
	STD	0030	-0176	3273	2636	0016718			14384								
	STD	0050	-0176	3274	2636	0016685			14387								
200	OBS	0050	-0176	32736	2636				14387								
	STD	0075	-0173	3282	2643	0016048			14394								
200	OBS	0075	-0173	32817	2643				14394								
	STD	0100	-0160	3298	2655	0014815			14407								
200	OBS	0100	-0160	32979	2655				14407								
	STD	0125	-0119	3362	2706	0010008			14439								
	STD	0150	-0083	3409	2743	0006508			14467								
200	OBS	0150	-0083	34094	2743				14467								
	STD	0200	-0024	3452	2775	0003506			14508								
200	OBS	0200	-0024	34522	2775				14508								
200	OBS	0235	-0014	34566	2778				14519								

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
						10'	1"		MO	DAY			HR.1/10	CRUISE NO.	STATION NUMBER			
311506			79160N	072480W		260	92 05 09 221	1969	KB2	009	0237						4	0009
						WATER		WIND		BARO- METER		AIR TEMP. °C		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (ml)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS					
						00	500		261	-067		8	07					

MESSAGE TIME HR 1/10	CAST 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	SiO ₄ -Si μg - at/l	pH	S C C
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221	OBS	0025	-0182	32723	2635				14380								
	STD	0030	-0182	3272	2635	0016799			14381								
	STD	0050	-0180	3272	2635	0016800			14385								
221	OBS	0050	-0180	32720	2635				14385								
	STD	0075	-0172	3277	2639	0016411			14394								
221	OBS	0075	-0172														
	STD	0100	-0157	3301	2658	0014554			14409								
221	OBS	0100	-0157	33014	2658				14409								
	STD	0125	-0118	3364	2708	0009859			14440								
	STD	0150	-0082	3409	2743	0006520			14467								
221	OBS	0150	-0082	34093	2743				14467								
	STD	0200	-0022	3449	2773	0003759			14509								
221	OBS	0200	-0022	34490	2773				14509								
221	OBS	0235	-0013	34580	2779				14520								

TABLE I.—Continued

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	% SOEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER		
					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT				PER	SEA
311506		79160N	072480W	260	92	05	10	044	1969	KB2	010	0237					28	X	9	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							
								00	500				2	07							

MESSNGR TIME OF HR 1/10	CASID NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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
044		OBS	0025	-0179	32737	2636			14382								
		STD	0030	-0179	3274	2636	0016696		14383								
		STD	0050	-0179	3273	2636	0016725		14386								
044		OBS	0050	-0179	32730	2636			14386								
		STD	0075	-0169	3286	2646	0015727		14397								
044		OBS	0075	-0169	32860	2646			14397								
		STD	0100	-0161	3296	2654	0014959		14406								
044		OBS	0100	-0161	32960	2654			14406								
		STD	0125	-0094	3371	2713	0009409		14452								
		STD	0150	-0047	3423	2753	0005649		14485								
044		OBS	0150	-0047	34227	2753			14485								
		STD	0200	-0014	3457	2779	0003170		14514								
044		OBS	0200	-0014	34573	2779			14514								
044		OBS	0235	-0008	34611	2782			14523								

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	% SOEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT				PER
311506		79160N	072480W	260	92	05	10	126	1969	KB2	011	0237						0011		
					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						
								00	500	288	-090	7	07							

MESSNGR TIME OF HR 1/10	CASID NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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
124		OBS	0025	-0186	32712	2634			14378								
		STD	0030	-0184	3264	2629	0017425		14379								
		STD	0050	-0178	3254	2620	0018180		14384								
124		OBS	0050	-0178	32541	2620			14384								
		STD	0075	-0172	3280	2642	0016150		14394								
124		OBS	0075	-0172	32804	2642			14394								
		STD	0100	-0160	3294	2653	0015092		14406								
124		OBS	0100	-0160	32943	2653			14406								
		STD	0125	-0091	3369	2711	0009573		14453								
		STD	0150	-0043	3421	2751	0005767		14487								
124		OBS	0150	-0043	34214	2751			14487								
		STD	0200	-0009	3462	2782	0002861		14517								
124		OBS	0200	-0009	34617	2782			14517								
124		OBS	0235	-0007	34615	2782			14523								

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	% SOEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT				PER
311506		79160N	072480W	260	92	05	10	166	1969	KB2	012	0237					2	0012		
					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						
								00	504	288	-100	8	07							

MESSNGR TIME OF HR 1/10	CASID NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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
166		OBS	0025	-0173	32714	2634			14384								
		STD	0030	-0176	3272	2634	0016864		14384								
		STD	0050	-0179	3272	2635	0016802		14386								
166		OBS	0050	-0179	32720	2635			14386								
		STD	0075	-0168	3281	2642	0016129		14396								
166		OBS	0075	-0168	32808	2642			14396								
		STD	0100	-0164	3294	2652	0015105		14404								
166		OBS	0100	-0164	32940	2652			14404								
		STD	0125	-0095	3365	2708	0009864		14451								
		STD	0150	-0046	3417	2748	0006081		14485								
166		OBS	0150	-0046	34171	2748			14485								
		STD	0200	-0007	3462	2783	0002819		14518								
166		OBS	0200	-0007	34624	2783			14518								
166		OBS	0235	-0007	34620	2782			14523								

TABLE I.—Continued

REFERENCE CITY NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	SQUEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES (FR) (AMT)	NOOC STATION NUMBER						
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA					
311506		79160N	072480W	260	92	05	10	199	1969	KB2	013	0237					42	5	0013							
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE		TRANS. (m)		DIR.		SPEED OF FORCE		BARO- METER (mb)		DRY BULB		WET BULB		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS			
							06		505		288		-096		7		07									
MESSNGR TIME HR 1/10	CARD 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 $\mu\text{g} - \text{dl/l}$	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 C									
199	OBS	0025	-0181	32728	2636				14381																	
	STD	0030	-0180	3273	2636		0016755		14382																	
	STD	0050	-0178	3273	2636		0016727		14386																	
199	OBS	0050	-0178	32730	2636				14386																	
	STD	0075	-0168	3280	2641		0016205		14396																	
199	OBS	0075	-0168	32798	2641				14396																	
	STD	0100	-0162	3294	2652		0015133		14405																	
199	OBS	0100	-0162	32937	2652				14405																	
	STD	0125	-0094	3367	2709		0009714		14452																	
	STD	0150	-0046	3419	2749		0005944		14485																	
199	OBS	0150	-0046	34189	2749				14485																	
	STD	0200	-0008	3461	2782		0002897		14517																	
199	OBS	0200	-0008	34613	2782				14517																	
199	OBS	0235	-0006	34625	2783				14524																	

REFERENCE CITY NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	SQUEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES (FR) (AMT)	NOOC STATION NUMBER						
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA					
311506		79160N	072480W	260	92	05	11	199	1969	KB2	014	0237					42		0014							
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE		TRANS. (m)		DIR.		SPEED OF FORCE		BARO- METER (mb)		DRY BULB		WET BULB		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS			
									288				4		07											
MESSNGR TIME HR 1/10	CARD 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 $\mu\text{g} - \text{dl/l}$	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 C									
042	OBS	0025	-0178	32721	2635				14382																	
	STD	0030	-0179	3272	2635		0016788		14383																	
	STD	0050	-0180	3274	2636		0016669		14386																	
042	OBS	0050	-0180	32737	2636				14386																	
	STD	0075	-0171	3285	2645		0015807		14396																	
042	OBS	0075	-0171	32849	2645				14396																	
	STD	0100	-0152	3304	2660		0014360		14411																	
042	OBS	0100	-0152	33041	2660				14411																	
	STD	0125	-0100	3378	2719		0008851		14450																	
	STD	0150	-0060	3428	2758		0005172		14480																	
042	OBS	0150	-0060	34282	2758				14480																	
	STD	0200	-0015	3456	2778		0003233		14513																	
042	OBS	0200	-0015	34564	2778				14513																	
042	OBS	0235	-0008	34619	2782				14523																	

REFERENCE CITY NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	SQUEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES (FR) (AMT)	NOOC STATION NUMBER						
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA					
311506		79160N	072480W	260	92	05	11	121	1969	KB2	015	0237					43	8	0015							
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
					COLOR CODE		TRANS. (m)		DIR.		SPEED OF FORCE		BARO- METER (mb)		DRY BULB		WET BULB		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS			
							33		504		268		-110		5		07									
MESSNGR TIME HR 1/10	CARD 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 $\mu\text{g} - \text{dl/l}$	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 C									
121	OBS	0025	-0179	32721	2635				14382																	
	STD	0030	-0180	3272	2635		0016810		14382																	
	STD	0050	-0181	3272	2635		0016775		14385																	
121	OBS	0050	-0181	32723	2635				14385																	
	STD	0075	-0173	3280	2641		0016171		14394																	
121	OBS	0075	-0173	32801	2641				14394																	
	STD	0100	-0167	3295	2653		0015021		14403																	
121	OBS	0100	-0167	32950	2653				14403																	
	STD	0125	-0100	3363	2706		0009998		14448																	
	STD	0150	-0052	3413	2745		0006381		14482																	
121	OBS	0150	-0052	34128	2745				14482																	
	STD	0200	-0011	3460	2781		0003011		14515																	
121	OBS	0200	-0011	34596	2781				14515																	
121	OBS	0235	-0007	34628	2783				14523																	

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	W/2 SQ. AREA		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	11	200	1969	KB2	016	0237					48	5		0016	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB										
									33	S04	257	-116			07							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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 C					
200	OBS	0025	-0178	32711	2634				14382													
	STD	0030	-0180	3271	2634		0016879		14382													
	STD	0050	-0182	3272	2635		0016835		14384													
200	OBS	0050	-0182	32715	2635				14384													
	STD	0075	-0171	3284	2645		0015853		14395													
200	OBS	0075	-0171	3284.3	2645				14395													
	STD	0100	-0160	3303	2659		0014447		14407													
200	OBS	0100	-0160	33027	2659				14407													
	STD	0125	-0108	3360	2704		0010199		14444													
	STD	0150	-0066	3405	2739		0006923		14474													
200	OBS	0150	-0066	34049	2739				14474													
	STD	0200	-0010	3461	2781		0002947		14516													
200	OBS	0200	-0010	34605	2781				14516													
200	OBS	0235	-0007	34622	2783				14523													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	W/2 SQ. AREA		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	11	222	1969	KB2	017	0237					73	8		0017	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB										
									33	S07	251	-110		4	07							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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 C					
222	OBS	0025	-0178	32716	2635				14382													
	STD	0030	-0180	3272	2635		0016825		14382													
	STD	0050	-0182	3273	2636		0016719		14385													
222	OBS	0050	-0182	32730	2636				14385													
	STD	0075	-0172	3280	2642		0016150		14394													
222	OBS	0075	-0172	32804	2642				14394													
	STD	0100	-0159	3305	2661		0014296		14408													
222	OBS	0100	-0159	33047	2661				14408													
	STD	0125	-0107	3358	2703		0010356		14444													
	STD	0150	-0064	3403	2737		0007106		14475													
222	OBS	0150	-0064	34026	2737				14475													
	STD	0200	-0009	3462	2782		0002846		14517													
222	OBS	0200	-0009	34619	2782				14517													
222	OBS	0235	-0007	34633	2783				14524													

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH METER	W/2 SQ. AREA		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	12	041	1969	KB2	018	0237					44	8		0018	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB										
									03	S02	234	-166		5	07							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	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 C					
041	OBS	0025	-0175	32716	2634				14384													
	STD	0030	-0177	3272	2635		0016846		14383													
	STD	0050	-0181	3272	2635		0016775		14385													
041	OBS	0050	-0181	32723	2635				14385													
	STD	0075	-0173	3282	2643		0016056		14394													
041	OBS	0075	-0173	32816	2643				14394													
	STD	0100	-0163	3299	2656		0014739		14405													
041	OBS	0100	-0163	32988	2656				14405													
	STD	0125	-0109	3362	2706		0010043		14444													
	STD	0150	-0065	3409	2743		0006591		14475													
041	OBS	0150	-0065	34093	2743				14475													
	STD	0200	-0009	3459	2780		0003059		14516													
041	OBS	0200	-0009	34591	2780				14516													
041	OBS	0235	-0007	34614	2782				14523													

TABLE I.—Continued

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDIC.	W/2SDEN 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	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	12	123	1969	KB2	019	0237								0019	
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE				07					
								00		500	224	-110										
MESSNGR TIME HR 1/10	CAS1 NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta D$ 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 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 C C					
123		OBS	0025	-0149	32721	2634			14396													
		STD	0030	-0156	3272	2634	0016876		14393													
		STD	0050	-0173	3271	2634	0016876		14389													
123		OBS	0050	-0173	32712	2634			14389													
		STD	0075	-0175	3278	2640	0016343		14393													
123		OBS	0075	-0175	32778	2640			14393													
		STD	0100	-0165	3294	2653	0015087		14404													
123		OBS	0100	-0165	32942	2653			14404													
		STD	0125	-0109	3357	2702	0010425		14443													
		STD	0150	-0065	3406	2740	0006828		14475													
123		OBS	0150	-0065	34062	2740			14475													
		STD	0200	-0012	3461	2782	0002899		14515													
123		OBS	0200	-0012	34610	2782			14515													
123		OBS	0235	-0008	34613	2782			14523													

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDIC.	W/2SDEN 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	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	12	200	1969	KB2	020	0237							0	0020	
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE				07					
								36		502	210	-120										
MESSNGR TIME HR 1/10	CAS1 NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta D$ 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 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 C C					
200		OBS	0025	-0176	32058	2581			14374													
		STD	0030	-0177	3224	2596	0020516		14377													
		STD	0050	-0178	3272	2635	0016819		14386													
200		OBS	0050	-0178	32718	2635			14386													
		STD	0075	-0173	3281	2642	0016133		14394													
200		OBS	0075	-0173	32806	2642			14394													
		STD	0100	-0160	3295	2653	0015053		14406													
200		OBS	0100	-0160	32948	2653			14406													
		STD	0125	-0103	3365	2708	0009834		14447													
		STD	0150	-0059	3416	2747	0006144		14479													
200		OBS	0150	-0059	34155	2747			14479													
		STD	0200	-0011	3461	2781	0002942		14516													
200		OBS	0200	-0011	34605	2781			14516													
200		OBS	0235	-0008	34620	2782			14523													

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDIC.	W/2SDEN 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	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311506			79160N	072480W	260	92	05	12	225	1969	KB2	021	0237							0	0021	
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE				07					
								36		505	200	-140										
MESSNGR TIME HR 1/10	CAS1 NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta D$ 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 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 C C					
225		OBS	0025	-0174	32715	2634			14384													
		STD	0030	-0171	3272	2634	0016874		14386													
		STD	0050	-0165	3272	2634	0016862		14392													
225		OBS	0050	-0165	32716	2634			14392													
		STD	0075	-0175	3278	2639	0016359		14393													
225		OBS	0075	-0175	32776	2639			14393													
		STD	0100	-0164	3294	2652	0015120		14404													
225		OBS	0100	-0164	32938	2652			14404													
		STD	0125	-0100	3397	2734	0007399		14453													
		STD	0150	-0053	3459	2782	0002848		14488													
225		OBS	0150	-0053	34591	2782			14488													
		STD	0200	-0010	3459	2780	0003031		14516													
225		OBS	0200	-0010	34594	2780			14516													
225		OBS	0235	-0007	34619	2782			14523													

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	M/250FN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
311506			79160N	072480W		260	92	05	13	042	1969	KB2	022	0237						1	0022
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE								
									20	S02	186	-200	8	07							
MESSAGE TIME HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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		
042	OBS		0025	-0178	32711	2634				14382											
	STD		0030	-0178	3271	2634	0016882			14383											
	STD		0050	-0179	3272	2635	0016833			14386											
042	OBS		0050	-0179	32716	2635				14386											
	STD		0075	-0173	3282	2643	0015994			14394											
042	OBS		0075	-0173	32824	2643				14394											
	STD		0100	-0161	3293	2651	0015204			14406											
042	OBS		0100	-0161	32928	2651				14406											
	STD		0125	-0103	3363	2707	0009987			14447											
	STD		0150	-0059	3414	2746	0006266			14479											
042	OBS		0150	-0059	34139	2746				14479											
	STD		0200	-0013	3459	2780	0003076			14514											
042	OBS		0200	-0013	34586	2780				14514											
042	OBS		0235	-0007	34603	2781				14523											

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	M/250FN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
311506			79160N	072480W		260	92	05	13	125	1969	KB2	023	0237						1	0023
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE								
									06	S10	186	-130	7	07							
MESSAGE TIME HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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		
125	OBS		0025	-0177	32716	2635				14383											
	STD		0030	-0178	3272	2635	0016852			14383											
	STD		0050	-0179	3272	2634	0016840			14386											
125	OBS		0050	-0179	32715	2634				14386											
	STD		0075	-0172	3278	2639	0016373			14394											
125	OBS		0075	-0172	32775	2639				14394											
	STD		0100	-0163	3297	2655	0014862			14405											
125	OBS		0100	-0163	32972	2655				14405											
	STD		0125	-0099	3366	2709	0009772			14449											
	STD		0150	-0052	3416	2748	0006115			14482											
125	OBS		0150	-0052	34163	2748				14482											
	STD		0200	-0012	3460	2781	0002998			14515											
125	OBS		0200	-0012	34597	2781				14515											
125	OBS		0235	-0007	34618	2782				14523											

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	M/250FN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
311506			79160N	072480W		260	92	05	13	183	1969	KB2	024	0237						8	0024
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE								
									08	S15	186	-150	8	07							
MESSAGE TIME HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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		
183	OBS		0025	-0174	32718	2635				14384											
	STD		0030	-0176	3271	2634	0016902			14384											
	STD		0050	-0179	3271	2634	0016910			14386											
183	OBS		0050	-0179	32706	2634				14386											
	STD		0075	-0171	3280	2641	0016191			14395											
183	OBS		0075	-0171	32799	2641				14395											
	STD		0100	-0161	3294	2652	0015135			14406											
183	OBS		0100	-0161	32937	2652				14406											
	STD		0125	-0099	3357	2702	0010461			14448											
	STD		0150	-0054	3406	2739	0006891			14480											
183	OBS		0150	-0054																	
	STD		0200	-0013	3460	2781	0002992			14515											
183	OBS		0200	-0013	34597	2781				14515											
183	OBS		0235	-0006	34622	2782				14524											

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INCHES	W/2SDEN 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					
311506			79160N	072480W	260	92	05	13	199	1969	KB2	025	0237								8	0025
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB	VIS. CODE									
								08	S10	139	-120		7	07								
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C					
199		OBS	0025	-0175	32721	2635			14384													
		STD	0030	-0176	3271	2634	0016902		14384													
		STD	0050	-0178	3271	2634	0016889		14386													
199		OBS	0050	-0178	32709	2634			14386													
		STD	0075	-0171	3282	2643	0016022		14395													
199		OBS	0075	-0171	32821	2643			14395													
		STD	0100	-0157	3299	2656	0014746		14408													
199		OBS	0100	-0157	32989	2656			14408													
		STD	0125	-0087	3371	2712	0009435		14455													
		STD	0150	-0040	3421	2751	0005804		14488													
199		OBS	0150	-0040	34211	2751			14488													
		STD	0200	-0012	3458	2780	0003096		14515													
199		OBS	0200	-0012	34584	2780			14515													
199		OBS	0235	-0006	34627	2783			14524													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INCHES	W/2SDEN 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						
311506			79160N	072480W	260	92	05	14	042	1969	KB2	026	0237								73	X 8	0026
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB	VIS. CODE										
								08	S15	112	-130		3	07									
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C						
042		OBS	0025	-0178	32707	2634			14382														
		STD	0030	-0178	3271	2634	0016898		14383														
		STD	0050	-0179	3273	2636	0016726		14386														
042		OBS	0055	-0179	32736	2636			14387														
		STD	0075	-0174	3279	2640	0016269		14393														
042		OBS	0075	-0174	32788	2640			14393														
		STD	0100	-0157	3297	2655	0014884		14408														
042		OBS	0100	-0157	32971	2655			14408														
		STD	0125	-0110	3373	2715	0009198		14445														
		STD	0150	-0070	3424	2755	0005418		14475														
042		OBS	0150	-0070	34244	2755			14475														
		STD	0200	-0013	3458	2779	0003144		14514														
042		OBS	0200	-0013	34577	2779			14514														
042		OBS	0235	-0007	34624	2783			14523														

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INCHES	W/2SDEN 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						
311506			79160N	072480W	260	92	05	14	124	1969	KB2	027	0237								73	X 8	0027
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB	VIS. CODE										
								07	S05	085	-120		4	07									
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C						
124		OBS	0025	-0176	32741	2637			14383														
		STD	0030	-0177	3275	2637	0016623		14384														
		STD	0050	-0178	3276	2638	0016466		14387														
124		OBS	0050	-0178	32764	2638			14387														
		STD	0075	-0172	3282	2643	0016043		14395														
124		OBS	0075	-0172	32818	2643			14395														
		STD	0100	-0157	3299	2656	0014746		14408														
124		OBS	0100	-0157	32989	2656			14408														
		STD	0125	-0100	3372	2714	0009310		14450														
		STD	0150	-0057	3423	2753	0005581		14481														
124		OBS	0150	-0057	34230	2753			14481														
		STD	0200	-0014	3458	2780	0003101		14514														
124		OBS	0200	-0014	34582	2780			14514														
124		OBS	0235	-0007	34618	2782			14523														

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	1/2 DEGREE SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																																									
CITY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																																							
311506		79160N	072480W	260	92	05	14	159	1969	KB2	028	0237						70	X	8	0028																																									
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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>UMBAL</th> <th>DRY BULB</th> <th>WET BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>00</td> <td>500</td> <td>085</td> <td>-085</td> <td></td> <td></td> <td>7</td> <td>07</td> <td></td> </tr> </tbody> </table>																						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB														00	500	085	-085			7	07	
WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																				
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB																																																							
		00	500	085	-085			7	07																																																					
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C																																													
159		OBS	0025	-0136	32718	2634			14402																																																					
		STD	0030	-0143	3272	2634	0016922		14400																																																					
		STD	0050	-0163	3271	2634	0016882		14393																																																					
159		OBS	0050	-0163	32714	2634			14393																																																					
		STD	0075	-0173	3281	2642	0016125		14394																																																					
159		OBS	0075	-0173	32807	2642			14394																																																					
		STD	0100	-0161	3303	2660	0014422		14407																																																					
159		OBS	0100	-0161	33030	2660			14407																																																					
		STD	0125	-0101	3379	2719	0008771		14450																																																					
		STD	0150	-0057	3430	2759	0005048		14482																																																					
159		OBS	0150	-0057	34300	2759			14482																																																					
		STD	0200	-0014	3457	2779	0003177		14514																																																					
159		OBS	0200	-0014	34572	2779			14514																																																					
159		OBS	0235	-0007	34671	2786			14524																																																					

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	1/2 DEGREE SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																																									
CITY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																																							
311506		79160N	072480W	260	92	05	14	201	1969	KB2	029	0237								0	0029																																									
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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>UMBAL</th> <th>DRY BULB</th> <th>WET BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>04</td> <td>503</td> <td>088</td> <td>-092</td> <td></td> <td></td> <td>8</td> <td>07</td> <td></td> </tr> </tbody> </table>																						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB														04	503	088	-092			8	07	
WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																				
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB																																																							
		04	503	088	-092			8	07																																																					
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C																																													
201		OBS	0025	-0171	32730	2636			14386																																																					
		STD	0030	-0173	3272	2635	0016831		14385																																																					
		STD	0050	-0178	3272	2635	0016827		14386																																																					
201		OBS	0050	-0178	32717	2635			14386																																																					
		STD	0075	-0172	3282	2643	0016050		14395																																																					
201		OBS	0075	-0172	32817	2643			14395																																																					
		STD	0100	-0151	3299	2656	0014747		14411																																																					
201		OBS	0100	-0151	32991	2656			14411																																																					
		STD	0125	-0091	3371	2713	0009420		14454																																																					
		STD	0150	-0048	3422	2752	0005729		14485																																																					
201		OBS	0150	-0048	34216	2752			14485																																																					
		STD	0200	-0013	3457	2779	0003175		14514																																																					
201		OBS	0200	-0013	34573	2779			14514																																																					
201		OBS	0235	-0006	34609	2781			14524																																																					

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	1/2 DEGREE SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NOOC STATION NUMBER																																									
CITY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA		TYPE	AMT																																							
311506		79160N	072480W	260	92	05	15	041	1969	KB2	030	0237							4	0030																																										
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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>UMBAL</th> <th>DRY BULB</th> <th>WET BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>00</td> <td>500</td> <td>081</td> <td>-108</td> <td></td> <td></td> <td>8</td> <td>07</td> <td></td> </tr> </tbody> </table>																						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB														00	500	081	-108			8	07	
WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																																				
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	UMBAL	DRY BULB	WET BULB	WET BULB																																																							
		00	500	081	-108			8	07																																																					
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 C																																													
042		OBS	0025	-0170	32721	2635			14386																																																					
		STD	0030	-0172	3272	2635	0016841		14386																																																					
		STD	0050	-0175	3271	2634	0016887		14388																																																					
042		OBS	0050	-0175	32710	2634			14388																																																					
		STD	0075	-0170	3282	2643	0016024		14396																																																					
042		OBS	0075	-0170	32821	2643			14396																																																					
		STD	0100	-0153	3300	2657	0014680		14410																																																					
042		OBS	0100	-0153	32999	2657			14410																																																					
		STD	0125	-0092	3372	2713	0009340		14453																																																					
		STD	0150	-0048	3422	2752	0005668		14485																																																					
042		OBS	0150	-0048	34224	2752			14485																																																					
		STD	0200	-0011	3458	2779	0003155		14515																																																					
042		OBS	0200	-0011	34577	2779			14515																																																					
042		OBS	0235	-0008	34686	2788			14524																																																					

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	1/2 350M SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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	
						260	92	05	15	122	1969													
311506		79160N	072480W	260	92	05	15	122	1969	KB2	031	0237					4					0031		
					WATER		WIND		BARO-METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
					COLOR CODE	TRANS. (M)	DIR.	SPEED OR FORCE	DRY RULR	WET RULR	8			07										
							03	S05	098	-088														
MESSENGR 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 μ g - dl/l	TOTAL-P μ g - dl/l	NO ₂ -N μ g - dl/l	NO ₃ -N μ g - dl/l	SiO ₄ -Si μ g - dl/l	pH	S C C							
																		122	OBS	0025	-0178	32722	2635	
			STD	0030	-0178	3272	2635	0016798									14383							
			STD	0050	-0178	3273	2635	0016766									14386							
	122	OBS	0050	-0178	32725	2635											14386							
			STD	0075	-0173	3281	2642	0016087									14394							
	122	OBS	0075	-0173	3281.2	2642											14394							
			STD	0100	-0155	3304	2660	0014383									14410							
	122	OBS	0100	-0155	33037	2660											14410							
			STD	0125	-0097	3371	2713	0009398									14451							
			STD	0150	-0053	3419	2750	0005919									14482							
	122	OBS	0150	-0053	34188	2750											14482							
			STD	0200	-0011	3459	2780	0003026									14515							
	122	OBS	0200	-0011	34594	2780											14515							
	122	OBS	0235	-0007	34623	2783											14523							

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	1/2 350M SQUARE		STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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	
						260	92	05	15	191	1969													
311506		79160N	072480W	260	92	05	15	191	1969	KB2	032	0237					72	X	8			0032		
					WATER		WIND		BARO-METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS										
					COLOR CODE	TRANS. (M)	DIR.	SPEED OR FORCE	DRY RULR	WET RULR	5			27										
							08	S08	098	-090														
MESSENGR 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 μ g - dl/l	TOTAL-P μ g - dl/l	NO ₂ -N μ g - dl/l	NO ₃ -N μ g - dl/l	SiO ₄ -Si μ g - dl/l	pH	S C C							
																		191	OBS	0010	-0153	3274	2636	0016768
			OBS	0010	-0153	32736	2636										14392							
			STD	0020	-0165	3271	2634	0016933									14387							
	191	OBS	0020	-0165	32710	2634											14387							
			STD	0030	-0176	3272	2635	0016848									14384							
	191	OBS	0030	-0176	32717	2635											14384							
	191	OBS	0040	-0181	32720	2635											14383							
			STD	0050	-0177	3272	2635	0016791									14387							
	191	OBS	0050	-0177	32722	2635											14387							
	191	OBS	0060	-0176	32710	2634											14389							
	191	OBS	0070	-0173	32798	2641											14393							
	208	OBS	0071	-0172	32784	2640											14394							
			STD	0075	-0171	3282	2643	0016030									14395							
	208	OBS	0080	-0169	32856	2646											14397							
	208	OBS	0090	-0165	32930	2652											14402							
			STD	0100	-0163	3300	2657	0014624									14406							
	208	OBS	0100	-0163	33003	2657											14406							
	208	OBS	0110	-0124	33303	2681											14430							
	208	OBS	0120	-0123	33571	2702											14436							
			STD	0125	-0100	3383	2723	0008469									14451							
	208	OBS	0130	-0095	33843	2723											14454							
	215	OBS	0131	-0096	33817	2721											14454							
	215	OBS	0140	-0080	34012	2737											14465							
			STD	0150	-0056	3424	2754	0005540									14481							
	215	OBS	0150	-0056	34236	2754											14481							
	215	OBS	0160	-0028	34448	2770											14499							
	215	OBS	0170	-0029	34488	2773											14501							
	215	OBS	0180	-0022	34530	2776											14506							
	215	OBS	0190	-0018	34565	2778											14510							
	234	OBS	0191	-0018	34543	2777											14510							
			STD	0200	-0011	3457	2779	0003178									14515							
	234	OBS	0200	-0011	34574	2779											14515							
	234	OBS	0210	-0011	34600	2781											14517							
	234	OBS	0220	-0007	34607	2781											14521							
	234	OBS	0230	-0005	34625	2783											14524							
	234	OBS	0240	-0005	34618	2782											14525							

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	W. S. DEN. SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER 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	
311506			79160N	072480W	260	92	05	15	199	1969	KB2	033	0237					72	X	8		0033
						WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS								
								07	S02	119	-059		7	07								
MESSNGR TIME OF HR 1/10	CAS. NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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					
199		OBS	0025	-0172	32709	2634			14385													
		STD	0030	-0174	32711	2634	0016906		14385													
		STD	0050	-0176	3273	2636	0016701		14387													
199		OBS	0050	-0176	32734	2636			14387													
		STD	0075	-0169	3285	2645	0015796		14397													
199		OBS	0075	-0169	32851	2645			14397													
		STD	0100	-0159	3305	2661	0014296		14408													
199		OBS	0100	-0159	33047	2661			14408													
		STD	0125	-0101	3373	2715	0009230		14449													
		STD	0150	-0058	3422	2752	0005661		14480													
199		OBS	0150	-0058	34219	2752			14480													
		STD	0200	-0014	3458	2780	0003109		14514													
199		OBS	0200	-0014	34581	2780			14514													
199		OBS	0235	-0008	34625	2783			14523													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	W. S. DEN. SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER 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	
311506			79160N	072480W	260	92	05	16	004	1969	KB2	034	0237					72	X	7		0034
						WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS								
										166				07								
MESSNGR TIME OF HR 1/10	CAS. NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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					
004		OBS	0025	-0175	32691	2632			14383													
		STD	0030	-0175	3269	2632	0017073		14384													
		STD	0050	-0176	3268	2631	0017131		14387													
004		OBS	0050	-0176	3170P	2552P																
		STD	0075	-0171	3266	2630	0017228		14393													
004		OBS	0075	-0171	32664	2630			14393													
		STD	0100	-0159	3334	2685	0012049		14412													
004		OBS	0100	-0159	2605P	2095P																
		STD	0125	-0096	3387	2726	0008178		14454													
		STD	0150	-0051	3425	2755	0005425		14484													
004		OBS	0150	-0051	34254	2755			14484													
		STD	0200	-0013	3460	2781	0002947		14515													
004		OBS	0200	-0013	34603	2781			14515													
004		OBS	0235	-0007	34654	2785			14524													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	W. S. DEN. SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER 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	
311506			79160N	072480W	260	92	05	16	041	1969	KB2	035	0237							0		0035
						WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS								
								18	S15	186	-052		9	07								
MESSNGR TIME OF HR 1/10	CAS. NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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					
041		OBS	0025	-0177	32641	2628			14382													
		STD	0030	-0177	3267	2631	0017207		14383													
		STD	0050	-0178	3277	2639	0016435		14387													
041		OBS	0050	-0178	32768	2639			14387													
		STD	0075	-0171	3289	2648	0015515		14396													
041		OBS	0075	-0171	32887	2648			14396													
		STD	0100	-0163	3300	2657	0014662		14406													
041		OBS	0100	-0163	32998	2657			14406													
		STD	0125	-0098	3343	2690	0011535		14446													
		STD	0150	-0051	3419	2750	0005906		14483													
041		OBS	0150	-0051	34191	2750			14483													
		STD	0200	-0013																		
041		OBS	0200	-0013	3370P	2709P																
041		OBS	0235	-0008	3406P	2737P																

TABLE I.—Continued

REFERENCE CTRY ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	SQUARED SQUARE			STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER																										
					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR			HGT	PER	SEA				TYPE	AMT																								
311506		79160N	072480W	260	92	05	16	125	1969	K82	036	0237							0		0036																										
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">AIR TEMP. °C</th> <th colspan="2">SPECIAL OBSERVATIONS</th> </tr> <tr> <th>COLOR CODE</th> <th>TRANS. (m)</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> <th>NO. OBS. DEPTHS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>06</td> <td>S01</td> <td>227</td> <td>-110</td> <td></td> <td>9</td> <td>07</td> </tr> </tbody> </table>																						WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS			06	S01	227	-110		9	07
WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS																																									
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS																																							
		06	S01	227	-110		9	07																																							
MESSAGE TIME HR 1/10	CAST 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 ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	3 C C																														
125		OBS	0025	-0178	32685	2632			14382																																						
		STD	0030	-0178	3270	2633	0016975		14383																																						
		STD	0050	-0177	3275	2637	0016560		14387																																						
125		OBS	0050	-0177	32752	2637			14387																																						
		STD	0075	-0173	3275	2638	0016532		14393																																						
125		OBS	0075	-0173	32754	2638			14393																																						
		STD	0100	-0161	3341	2690	0011507		14412																																						
125		OBS	0100	-0161	3180P	2560P																																									
		STD	0125	-0100	3390	2728	0007934		14452																																						
		STD	0150	-0055	3422	2752	0005667		14482																																						
125		OBS	0150	-0055	34220	2752			14482																																						
		STD	0200	-0016	3438	2763	0004649		14510																																						
125		OBS	0200	-0016	34377	2763			14510																																						
125		OBS	0235	-0007	3401P	2733P																																									

REFERENCE CTRY ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	SQUARED SQUARE			STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER																										
					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR			HGT	PER	SEA				TYPE	AMT																								
311506		79160N	072480W	260	92	05	16	180	1969	K82	037	0237							X	5	0037																										
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">AIR TEMP. °C</th> <th colspan="2">SPECIAL OBSERVATIONS</th> </tr> <tr> <th>COLOR CODE</th> <th>TRANS. (m)</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> <th>NO. OBS. DEPTHS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>36</td> <td>S02</td> <td>224</td> <td>-040</td> <td></td> <td>8</td> <td>07</td> </tr> </tbody> </table>																						WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS			36	S02	224	-040		8	07
WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS																																									
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS																																							
		36	S02	224	-040		8	07																																							
MESSAGE TIME HR 1/10	CAST 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 ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	3 C C																														
180		OBS	0025	-0176	32735	2636			14383																																						
		STD	0030	-0177	3274	2636	0016708		14384																																						
		STD	0050	-0178	3274	2636	0016673		14387																																						
180		OBS	0050	-0178	32737	2636			14387																																						
		STD	0075	-0172	3283	2644	0015958		14395																																						
180		OBS	0075	-0172	32829	2644			14395																																						
		STD	0100	-0160	3308	2664	0014040		14408																																						
180		OBS	0100	-0160	33080	2664			14408																																						
		STD	0125	-0107	3358	2703	0010356		14444																																						
		STD	0150	-0065	3391	2727	0008025		14473																																						
180		OBS	0150	-0065	33905	2727			14473																																						
		STD	0200	-0015	3405	2737	0007111		14506																																						
180		OBS	0200	-0015	34054	2737			14506																																						
180		OBS	0235	-0007	34124	2742			14516																																						

REFERENCE CTRY ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	SQUARED SQUARE			STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER																										
					10"	1"	MO	DAY	HR.1/10	CRUISE NO.		STATION NUMBER	DIR			HGT	PER	SEA				TYPE	AMT																								
311506		79160N	072480W	260	92	05	16	201	1969	K82	038	0237							8		0038																										
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">AIR TEMP. °C</th> <th colspan="2">SPECIAL OBSERVATIONS</th> </tr> <tr> <th>COLOR CODE</th> <th>TRANS. (m)</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> <th>NO. OBS. DEPTHS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>29</td> <td>S04</td> <td>227</td> <td>-020</td> <td></td> <td>8</td> <td>07</td> </tr> </tbody> </table>																						WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS			29	S04	227	-020		8	07
WATER		WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS																																									
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS																																							
		29	S04	227	-020		8	07																																							
MESSAGE TIME HR 1/10	CAST 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 ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	3 C C																														
201		OBS	0025	-0177	32708	2634			14382																																						
		STD	0030	-0177	3272	2635	0016801		14384																																						
		STD	0050	-0176	3278	2640	0016324		14388																																						
201		OBS	0050	-0176	3233P	2603P																																									
		STD	0075	-0170	3286	2646	0015740		14396																																						
201		OBS	0075	-0170	32858	2646			14396																																						
		STD	0100	-0156	3311	2666	0013790		14411																																						
201		OBS	0100	-0156	33114	2666			14411																																						
		STD	0125	-0102	3338	2686	0011903		14444																																						
		STD	0150	-0060	3365	2707	0009992		14471																																						
201		OBS	0150	-0060	3308P	2661P																																									
		STD	0200	-0015	3422	2751	0005848		14508																																						
201		OBS	0200	-0015	3357P	2698P																																									
201		OBS	0235	-0006	34643	2784			14524																																						

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	W/2SDEN SQUARE				STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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				
311506			79160N	072480W	260	92	05	17	039	1969	KB2	039	0237										8		0039
						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	VS. CODE	NO. OBS. DEPTHS												
									28	S04	220	-068	8	07											
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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.C.								
039		OBS	0025	-0178	32644	2629			14381																
		STD	0030	-0178	3266	2630	0017282		14382																
		STD	0050	-0179	3275	2637	0016594		14386																
039		OBS	0050	-0179	32747	2637			14386																
		STD	0075	-0173	3287	2647	0015672		14395																
039		OBS	0075	-0173	32866	2647			14395																
		STD	0100	-0164	3305	2661	0014299		14406																
039		OBS	0100	-0164	33045	2661			14406																
		STD	0125	-0103	3306	2660	0014347		14439																
		STD	0150	-0057	3332	2680	0012538		14468																
039		OBS	0150	-0057	33318	2680			14468																
		STD	0200	-0013	3455	2777	0003334		14514																
039		OBS	0200	-0013	34552	2777			14514																
039		OBS	0235	-0008																					

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	W/2SDEN SQUARE				STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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				
311506			79160N	072480W	260	92	05	17	122	1969	KB2	040	0237											7	0040
						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	VS. CODE	NO. OBS. DEPTHS												
									02	S04	230	-050	07												
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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.C.								
122		OBS	0025	-0176	32345	2604			14378																
		STD	0030	-0176	3241	2610	0019209		14379																
		STD	0050	-0177	3264	2628	0017452		14386																
122		OBS	0050	-0177	32636	2628			14386																
		STD	0075	-0171	3281	2642	0016145		14395																
122		OBS	0075	-0171	32805	2642			14395																
		STD	0100	-0156	3304	2660	0014350		14410																
122		OBS	0100	-0156	33041	2660			14410																
		STD	0125	-0094	3375	2716	0009103		14453																
		STD	0150	-0050	3425	2754	0005499		14484																
122		OBS	0150	-0050	34245	2754			14484																
		STD	0200	-0015	3459	2780	0003058		14513																
122		OBS	0200	-0015	34587	2780			14513																
122		OBS	0235	-0009	34652	2785			14523																

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	W/2SDEN SQUARE				STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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				
311506			79160N	072480W	260	92	05	17	198	1969	KB2	041	0237											1	0041
						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	VS. CODE	NO. OBS. DEPTHS												
									03	S08	227	-050	8	07											
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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.C.								
199		OBS	0025	-0176	32753	2638			14384																
		STD	0030	-0176	3275	2637	0016579		14384																
		STD	0050	-0177	3275	2637	0016599		14387																
199		OBS	0050	-0177	32747	2637			14387																
		STD	0075	-0171	3287	2647	0015653		14396																
199		OBS	0075	-0171	32869	2647			14396																
199		OBS	0099	-0153	33098	2665			14412																
		STD	0100	-0151	3312	2667	0013757		14413																
		STD	0125	-0102	3371	2713	0009379		14448																
199		OBS	0149	-0064	34138	2746			14476																
		STD	0150	-0063	3415	2747	0006165		14477																
199		OBS	0199	-0015	34592	2781			14513																
		STD	0200	-0014	3460	2781	0002964		14514																
199		OBS	0235	-0008	34651	2785			14523																

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MUN. NO.	M. SQUARED	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES	NODC STATION NUMBER					
CTRY CODE	ID. NO.						10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER				SEA	TYP	AMT		
																										03	505
311506			79160N	072480W	260	92	05	17	208	1969	KB2	042	0237							1		0042					
		WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS																	
		COLOR CODE		TRANS. (m)		DIR.		SPEED OF FORCE		DRY BULB		WET BULB		VIS. CODE		NO. OBS. DEPTHS											
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 - 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.C.										
		STD	0010	-0178	3272	2635	0016854		14380																		
208	OBS	0010	-0178	32718	2635			14380																			
		STD	0020	-0178	3277	2639	0016476		14382																		
208	OBS	0020	-0178	32766	2639			14382																			
		STD	0030	-0179	3272	2635	0016835		14381																		
208	OBS	0030	-0179	32718	2635			14382																			
208	OBS	0040	-0179	32715	2634			14384																			
		STD	0050	-0176	3271	2634	0016862		14387																		
208	OBS	0050	-0176	32713	2634			14387																			
208	OBS	0060	-0176	32722	2635			14389																			
208	OBS	0070	-0174	32820	2643			14393																			
216	OBS	0071	-0169	32874	2647			14396																			
		STD	0075	-0165	3291	2650	0015352		14399																		
216	OBS	0080	-0162	32953	2653			14402																			
216	OBS	0090	-0166	33006	2658			14403																			
		STD	0100	-0141	3311	2665	0013900		14418																		
216	OBS	0100	-0141	33105	2665			14418																			
216	OBS	0110	-0136	33286	2680			14424																			
216	OBS	0120	-0109	33504	2697			14441																			
		STD	0125	-0106	3365	2708	0009841		14446																		
216	OBS	0130	-0102	33792	2720			14450																			
224	OBS	0131	-0097	33884	2727			14454																			
224	OBS	0140	-0082	34032	2738			14465																			
		STD	0150	-0050	3426	2755	0005377		14485																		
224	OBS	0150	-0050	34261	2755			14485																			
224	OBS	0160	-0028	34414	2767			14498																			
224	OBS	0170	-0027	34490	2773			14502																			
224	OBS	0180	-0024	34510	2774			14505																			
224	OBS	0190	-0024	34501	2774			14506																			
243	OBS	0191	-0026	34515	2775			14506																			
		STD	0200	-0023	3453	2776	0003419		14509																		
243	OBS	0200	-0023	34534	2776			14509																			
243	OBS	0210	-0022	34539	2777			14511																			
243	OBS	0220	-0016	34558	2778			14516																			
243	OBS	0230	-0008	34592	2780			14522																			
243	OBS	0240	-0010	34611	2782			14523																			

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MUN. NO.	M. SQUARED	STATION TIME (GMT)				YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES	NODC STATION NUMBER					
CTRY CODE	ID. NO.						10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER				SEA	TYP	AMT		
																										02	507
311506			79160N	072480W	260	92	05	18	011	1969	KB2	043	0237							1		0043					
		WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS																	
		COLOR CODE		TRANS. (m)		DIR.		SPEED OF FORCE		DRY BULB		WET BULB		VIS. CODE		NO. OBS. DEPTHS											
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 - 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.C.										
		OBS	0025	-0178	32753	2638			14383																		
		STD	0030	-0178	3276	2638	0016552		14383																		
		STD	0050	-0179	3276	2638	0016479		14386																		
011	OBS	0050	-0179	32762	2638			14386																			
		STD	0075	-0172	3292	2651	0015298		14396																		
011	OBS	0075	-0172	32915	2651			14396																			
		STD	0100	-0160	3310	2665	0013879		14408																		
011	OBS	0100	-0160	33101	2665			14408																			
		STD	0125	-0108	3379	2720	0008746		14447																		
		STD	0150	-0067	3426	2756	0005301		14477																		
011	OBS	0150	-0067	34261	2756			14477																			
		STD	0200	-0022	3456	2778	0003242		14510																		
011	OBS	0200	-0022	34558	2778			14510																			
011	OBS	0235	-0010	34636	2784			14522																			

TABLE I.—Continued

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	W. SQ. AREA		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		1/10
311506			79160N	072480W	260	92	05	18	039	1969	K82	044	0237							0		0044	
						WATER		WIND		AIR TEMP. °C													
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
								03	S10	193	-082		8	07									

MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C
	039	OBS	0025	-0181	32733	2636			14381								
		STD	0030	-0181	3274	2636	0016677		14382								
		STD	0050	-0181	3276	2638	0016521		14385								
	039	OBS	0050	-0181	32756	2638			14385								
		STD	0075	-0170	3292	2651	0015248		14397								
	039	OBS	0075	-0170	32922	2651			14397								
		STD	0100	-0155	3313	2667	0013701		14411								
	039	OBS	0100	-0155	33126	2667			14411								
		STD	0125	-0111	3375	2717	0009041		14445								
		STD	0150	-0075	3419	2751	0005793		14472								
	039	OBS	0150	-0075	34192	2751			14472								
		STD	0200	-0025	3453	2776	0003409		14508								
	039	OBS	0200	-0025	34534	2776			14508								
	039	OBS	0235	-0015	34603	2781			14519								

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	W. SQ. AREA		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		1/10
311506			79160N	072480W	260	92	05	18	121	1969	K82	045	0237							1		0045	
						WATER		WIND		AIR TEMP. °C													
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
									02	S17	176	-040		07									

MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C
	121	OBS	0025	-0175	32756	2638			14384								
		STD	0030	-0175	3276	2638	0016557		14385								
		STD	0050	-0177	3275	2638	0016552		14387								
	121	OBS	0050	-0177	32753	2638			14387								
		STD	0075	-0165	3296	2654	0014953		14400								
	121	OBS	0075	-0165	32962	2654			14400								
		STD	0100	-0149	3317	2671	0013356		14415								
	121	OBS	0100	-0149	33173	2671			14415								
		STD	0125	-0116	3377	2718	0008871		14443								
		STD	0150	-0085	3420	2752	0005729		14467								
	121	OBS	0150	-0085	34195	2752			14467								
		STD	0200	-0031	3455	2778	0003249		14506								
	121	OBS	0200	-0031	34551	2778			14506								
	121	OBS	0235	-0015	34563	2778			14519								

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	W. SQ. AREA		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		1/10
311506			79160N	072480W	260	92	05	18	178	1969	K82	046	0237							1		0046	
						WATER		WIND		AIR TEMP. °C													
						COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
									02	S20	166	-065		7	07								

MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C
	178	OBS	0025	-0180	32750	2637			14382								
		STD	0030	-0180	3275	2637	0016580		14383								
		STD	0050	-0178	3276	2638	0016527		14387								
	178	OBS	0050	-0178	32756	2638			14387								
		STD	0075	-0168	3296	2654	0015000		14398								
	178	OBS	0075	-0168	32955	2654			14398								
		STD	0100	-0148	3317	2671	0013351		14415								
	178	OBS	0100	-0148	33174	2671			14415								
		STD	0125	-0111	3375	2717	0009041		14445								
		STD	0150	-0080	3416	2749	0006002		14469								
	178	OBS	0150	-0080	34162	2749			14469								
		STD	0200	-0036	3447	2772	0003833		14502								
	178	OBS	0200	-0036	34471	2772			14502								
	178	OBS	0235	-0020	34552	2778			14516								

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARS DEN SQUARE		STATION TIME IGMTI		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NOCC STATION NUMBER																														
CTRY CODE	IO. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DUR.	HGT				PER	SEA																												
311506			79160N	072480W	260	92	05	18	199	1969	KB2	047	0237					0		0047																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>03</td> <td>S15</td> <td>156</td> <td>-076</td> <td></td> <td>7</td> <td>07</td> </tr> </tbody> </table>																					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					03	S15	156	-076		7	07
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																																											
				03	S15	156	-076		7	07																																								
MESSNGR TIME HR 1/10	CAS- T 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 $\mu\text{g} - \text{at/l}$	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																																	
199		OBS	0025	-0181	32753	2638			14381																																									
		STD	0030	-0181	3275	2638	0016562		14382																																									
199		OBS	0049	-0181	32754	2638			14385																																									
		STD	0050	-0181	3276	2638	0016492		14386																																									
199		OBS	0074	-0169	32919	2651			14397																																									
		STD	0075	-0168	3293	2652	0015191		14398																																									
199		OBS	0099	-0154	33159	2670			14412																																									
		STD	0100	-0152	3319	2672	0013218		14414																																									
		STD	0125	-0111	3378	2719	0008812		14445																																									
199		OBS	0148	-0083	34158	2748			14467																																									
		STD	0150	-0082	3417	2749	0005932		14468																																									
199		OBS	0198	-0054	34386	2766			14492																																									
		STD	0200	-0052	3440	2767	0004296		14494																																									
199		OBS	0232	-0019	34550	2777			14516																																									
311506			79160N	072480W	260	92	05	19	041	1969	KB2	048	0237					8		0048																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>03</td> <td>S40</td> <td>150</td> <td>-070</td> <td></td> <td>5</td> <td>07</td> </tr> </tbody> </table>																					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					03	S40	150	-070		5	07
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																																											
				03	S40	150	-070		5	07																																								
MESSNGR TIME HR 1/10	CAS- T 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 $\mu\text{g} - \text{at/l}$	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																																	
040		OBS	0025	-0181	32762	2638			14381																																									
		STD	0030	-0181	3276	2638	0016493		14382																																									
		STD	0050	-0179	3276	2638	0016487		14386																																									
040		OBS	0050	-0179	32761	2638			14386																																									
		STD	0075	-0167	3294	2652	0015132		14399																																									
040		OBS	0075	-0167	32938	2652			14399																																									
		STD	0100	-0154	3311	2666	0013857		14411																																									
040		OBS	0100	-0154	33106	2666			14411																																									
		STD	0125	-0117	3367	2710	0009633		14441																																									
		STD	0150	-0085	3410	2744	0006424		14466																																									
040		OBS	0150	-0085	34104	2744			14466																																									
		STD	0200	-0034	3455	2778	0003212		14504																																									
040		OBS	0200	-0034	34554	2778			14504																																									
040		OBS	0235	-0024	3447P	2771P																																												
311506			79160N	072480W	260	92	05	19	125	1969	KB2	049	0237					8		0049																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>34</td> <td>S10</td> <td>091</td> <td>-070</td> <td></td> <td>6</td> <td>07</td> </tr> </tbody> </table>																					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					34	S10	091	-070		6	07
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																																											
				34	S10	091	-070		6	07																																								
MESSNGR TIME HR 1/10	CAS- T 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 $\mu\text{g} - \text{at/l}$	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																																	
124		OBS	0025	-0181	32769	2639			14381																																									
		STD	0030	-0180	3277	2639	0016433		14383																																									
		STD	0050	-0177	3282	2643	0016030		14388																																									
124		OBS	0050	-0177	32821	2643			14388																																									
		STD	0075	-0170	3293	2652	0015172		14397																																									
124		OBS	0075	-0170	32932	2652			14397																																									
		STD	0100	-0158	3304	2661	0014329		14409																																									
124		OBS	0100	-0158	33043	2661			14409																																									
		STD	0125	-0120	3362	2706	0010005		14439																																									
		STD	0150	-0085	3406	2741	0006760		14465																																									
124		OBS	0150	-0085	34060	2741			14465																																									
		STD	0200	-0027	3452	2775	0003528		14507																																									
124		OBS	0200	-0027	34517	2775			14507																																									
124		OBS	0235	-0016	34589	2780			14519																																									

TABLE I.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER	
CTRY CODE	IO. NO.					10"	1"	MO		DAY	HR./10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER		SEA
311506			79160N	072480W	260	92	05	19	160	1969	KB2	050		0237					2	0050	
					WATER		WIND		AIR TEMP. °C												
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
								02	S15	085	-080	6	07								

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	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	CTRY CODE
160		OBS	0025	-0179	32779	2640			14382								
		STD	0030	-0178	3278	2640	0016360		14384								
		STD	0050	-0175	3282	2643	0016065		14389								
160		OBS	0050	-0175	32817	2643			14389								
		STD	0075	-0170	3293	2651	0015225		14397								
160		OBS	0075	-0170	32925	2651			14397								
		STD	0100	-0157	3307	2663	0014133		14409								
160		OBS	0100	-0157	33069	2663			14409								
		STD	0125	-0122	3361	2706	0010075		14438								
		STD	0150	-0089	3402	2738	0007026		14463								
160		OBS	0150	-0089	34023	2738			14463								
		STD	0200	-0028	3450	2774	0003653		14506								
160		OBS	0200	-0028	34500	2774			14506								
160		OBS	0235	-0017	34589	2780			14518								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO		DAY	HR./10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER	
311506			79160N	072480W	260	92	05	19	205	1969	KB2	051		0237					0051	
					WATER		WIND		AIR TEMP. °C											
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
								36	S30	078	-090	6	07							

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	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	CTRY CODE
205		OBS	0025	-0179	32746	2637			14382								
		STD	0030	-0178	3275	2637	0016620		14383								
		STD	0050	-0176	3275	2637	0016601		14388								
205		OBS	0050	-0176	32747	2637			14388								
		STD	0075	-0168	3290	2649	0015430		14398								
205		OBS	0075	-0168	32899	2649			14398								
205		OBS	0099	-0154	33048	2661			14410								
		STD	0100	-0152	3307	2663	0014138		14412								
		STD	0125	-0115	3353	2699	0010710		14440								
205		OBS	0149	-0085	33892	2727			14463								
		STD	0150	-0084	3391	2728	0007909		14464								
205		OBS	0199	-0045	34405	2767			14497								
		STD	0200	-0044	3441	2767	0004258		14498								
205		OBS	0234	-0016	34558	2778			14518								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER
CTRY CODE	IO. NO.					10"	1"	MO		DAY	HR./10			CRUISE NO.	STATION NUMBER	DIR.		HGT	PER	
311506			79160N	072480W	260	92	05	20	043	1969	KB2	052		0237					0052	
					WATER		WIND		AIR TEMP. °C											
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS						
								03	S30	105	-112	7	07							

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210°	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	CTRY CODE
043		OBS	0025	-0181	32776	2639			14382								
		STD	0030	-0181	3276	2638	0016508		14382								
		STD	0050	-0179	3273	2636	0016710		14386								
043		OBS	0050	-0179	32732	2636			14386								
		STD	0075	-0172	3283	2644	0015920		14395								
043		OBS	0075	-0172	32834	2644			14395								
		STD	0100	-0152	3309	2664	0014008		14412								
043		OBS	0100	-0152	33087	2664			14412								
		STD	0125	-0111	3369	2712	0009500		14444								
		STD	0150	-0079	3412	2745	0006357		14469								
043		OBS	0150	-0079	34116	2745			14469								
		STD	0200	-0040	3444	2769	0004049		14500								
043		OBS	0200	-0040	34440	2769			14500								
043		OBS	0235	-0025	34525	2776			14514								

TABLE I.—Continued

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER				SEA
311506			79160N	072480W		260	92	05	20	065	1969	KB2	053	0237						X	9	0053
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB	VIS. CODE									
									36	S20	105	-132	6	07								

MESSAGE TIME HR. 1/10	CAS 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	SiO ₄ -Si μg - at/l	pH	S C C
065		OBS	0025	-0180	32728	2636			14381								
		STD	0030	-0180	3273	2636	0016748		14382								
		STD	0050	-0179	3273	2636	0016717		14386								
065		OBS	0050	-0179	32731	2636			14386								
		STD	0075	-0170	3286	2646	0015709		14396								
065		OBS	0075	-0170	32862	2646			14396								
		STD	0100	-0151	3307	2663	0014110		14412								
065		OBS	0100	-0151	33074	2663			14412								
		STD	0125	-0113	3367	2710	0009646		14443								
		STD	0150	-0080	3410	2744	0006444		14468								
065		OBS	0150	-0080	34104	2744			14468								
		STD	0200	-0033	3446	2771	0003932		14503								
065		OBS	0200	-0033	34460	2771			14503								
065		OBS	0235	-0027	34509	2774			14513								

REFERENCE CTRY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER				SEA
311506			79160N	072480W		260	92	05	20	145	1969	KB2	054	0237							2	0054
						WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB	VIS. CODE									
									02	S15	122	-110	6	07								

MESSAGE TIME HR. 1/10	CAS 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	SiO ₄ -Si μg - at/l	pH	S C C
145		OBS	0025	-0169	32733	2636			14387								
		STD	0030	-0171	3273	2636	0016728		14386								
		STD	0050	-0175	3274	2636	0016687		14388								
145		OBS	0050	-0175	32736	2636			14388								
		STD	0075	-0169	3282	2643	0016003		14396								
145		OBS	0075	-0169	32824	2643			14396								
		STD	0100	-0148	3335	2685	0012002		14418								
145		OBS	0100	-0148													
		STD	0125	-0109	3377	2718	0008896		14446								
		STD	0150	-0077	3409	2743	0006556		14470								
145		OBS	0150	-0077	34091	2743			14470								
		STD	0200	-0034	3444	2769	0004109		14503								
145		OBS	0200	-0034	34436	2769			14503								
145		OBS	0235	-0015	34558	2778			14519								

TABLE II. Observed and interpolated oceanographic data from stations taken by USCGC SOUTHWIND, 14-28 August 1969, prepared from NODC Listing No. 31-1529.

REFERENCE		SHIP CODE	LATITUDE 1°/10'	LONGITUDE 1°/10'	DEPTH INDEX	MARDEN 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	ID. NO.					10"	1'	MO	DAY	HR./10'		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
311529	15	76142N	062593W	259	62	08 14 161	1969	WGS	001			0413	00	0	X		X1	4	6		0001	
				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												
						05	507	178	061	059	7	14										
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ O GYN. 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.C.					
		STD	0000	0023	1242	0997	0174835	0000	14197	883												
161		OBS	0000	0023	12422	0997			14197	883												
161		OBS	0005	0006	31292	2514			14445	15520												
		STD	0010	-0105	3240	2607	0019472	0097	14410	1014												
161		OBS	0010	-0105	32400	2607			14410	1014												
		STD	0020	-0129	3287	2646	0015791	0115	14407	790												
161		OBS	0021	-0130	32900	2648			14407	774												
		STD	0030	-0123	3299	2655	0014880	0130	14413	687												
161		OBS	0031	-0122	33003	2656			14414	680												
		STD	0050	-0075	3321	2672	0013338	0158	14442	634												
161		OBS	0051	-0072	33224	2673			14443	632												
		STD	0075	-0009	3341	2685	0012074	0190	14479	579												
163		OBS	0077	-0006	33425	2686			14481	577												
		STD	0100	-0006	3357	2698	0010862	0219	14487	582												
163		OBS	0102	-0006	33577	2698			14487	582												
		STD	0125	0014	3368	2706	0010118	0245	14502	566												
163		OBS	T0126	0015	33686	2706			14502	565												
		STD	0150	0040	3377	2711	0009571	0270	14519	581												
163		OBS	0152	0042	33775	2712			14520	582												
		STD	0200	0066	3388	2719	0008863	0316	14541	559												
163		OBS	T0200	0066	33883	2719			14541	559												
		STD	0250	0086	3399	2726	0008196	0358	14559	540												
163		OBS	T0251	0087	33990	2726			14560	540												
		STD	0300	0165	3425	2742	0006788	0396	14606	524												
163		OBS	0302	0167	34263	2743			14608	523												
		STD	0400	0161																		
163		OBS	T0401	0160																		

REFERENCE		SHIP CODE	LATITUDE 1°/10'	LONGITUDE 1°/10'	DEPTH INDEX	MARDEN 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	ID. NO.					10"	1'	MO	DAY	HR./10'		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
311529	15	76050N	063100W	259	63	08 14 224	1969	WGS	002			0465	00	0	X		X3	6	8		0002	
				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												
						00	500	156	033	017	7	14										
MESSAGE TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ O GYN. 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.C.					
		STD	0000	0213	2042	1636	0112642	0000	14392	848												
		OBS	0000	0213	20421	1636			14392	848												
224		OBS	0005	0040	31488	2528			14463	1195												
		STD	0010	-0040	3251	2613	0018883	0066	14441	936												
224		OBS	0010	-0040	32505	2613			14441	936												
		STD	0020	-0093	3289	2646	0015759	0083	14424	810												
224		OBS	0020	-0093	32888	2646			14424	810												
		STD	0030	-0096	3300	2655	0014886	0098	14426	754												
		STD	0050	-0101	3320	2672	0013326	0127	14430	674												
224		OBS	0051	-0101	33214	2673			14430	671												
		STD	0075	-0057	3341	2687	0011866	0158	14457	634												
224		OBS	0076	-0055	33413	2687			14458	633												
		STD	0100	-0019	3358	2699	0010724	0186	14481	599												
224		OBS	0101	-0018	33581	2699			14482	598												
		STD	0125	0014	3368	2706	0010118	0212	14502	581												
		STD	0150	0038	3377	2712	0009560	0237	14518	567												
224		OBS	T0152	0040	33775	2712			14519	566												
		STD	0200	0059	3391	2722	0008616	0282	14538	549												
224		OBS	T0203	0061	33923	2723			14539	548												
		STD	0250	0098	3404	2730	0007882	0324	14565	541												
224		OBS	T0253	0100	34045	2730			14567	541												
		STD	0300	0136	3416	2737	0007257	0362	14592	538												
224		OBS	T0300	0136	34159	2737			14592	538												
224		OBS	0353	0174	34263	2742			14619	528												
		STD	0400	0167	3436	2751	0006008	0428	14625	510												
224		OBS	0447	0156	34411	2756			14629	498												
224		OBS	0457	0153	34414	2756			14629	496												

TABLE II.—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			WEATHER 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
311529	1S		75536N	060195W	259	50	08	15	183	1969	WGS	003	0393		00	0	X		X6	5	8	0003
		WATER		WIND		BARO-METER		AIR TEMP. °C				SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS													
		00	S00	143	044	039	14															
MESSENGER TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-R10?	$\Sigma \Delta D$ DYN. M. X 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 ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S.C.C.					
		STD	0000	0512	1665	1321	0143181	0000	14475	801												
	183	OBS	0000	0512	16653	1321			14475	801												
		STD	0010	0139	3249	2602	0019928	0082	14523	1092												
	183	OBS	0010	0139	32485	2602			14523	1092												
		STD	0020	-0063	3291	2647	0015677	0099	14438	959												
	183	OBS	0020	-0063	32912	2647			14438	959												
		STD	0030	-0123	3304	2659	0014519	0114	14413	699												
	183	OBS	0030	-0123	33037	2659			14413	699												
		STD	0050	-0091	3325	2675	0012975	0142	14435	628												
	183	OBS	0051	-0089	33257	2676			14436	625												
		STD	0075	-0039	3346	2690	0011558	0173	14466	591												
	183	OBS	0076	-0038	33468	2691			14467	589												
		STD	0100	-0019	3356	2698	0010876	0201	14481	513												
	183	OBS	0101	-0018	33564	2698			14481	512												
		STD	0125	0011	3365	2703	0010331	0227	14500	551												
	183	OBS	0126	0012	33659	2704			14501	552												
		STD	0150	0027	3377	2712	0009499	0252	14513	537												
	183	OBS	T0152	0028	33782	2713			14514	536												
		STD	0200	0061	3395	2724	0008355	0297	14539	523												
	183	OBS	T0201	0062	33949	2725			14540	523												
		STD	0250	0088	3405	2731	0007740	0337	14561	512												
	183	OBS	T0251	0089	34051	2731			14562	512												
		STD	0300	0144	3419	2739	0007082	0374	14596	521												
	183	OBS	T0301	0145	34195	2739			14597	521												
	183	OBS	T0366	0178	34329	2747			14624	509												
	183	OBS	T0376	0182	34373	2751			14628	508												

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			WEATHER 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
311529	1S		75500N	060375W	259	50	08	15	213	1969	WGS	004	0703		00	0	X		X2	5	8	0004
		WATER		WIND		BARO-METER		AIR TEMP. °C				SPECIAL OBSERVATIONS										
		COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS													
		00	S00	150	034	028	7	13														
MESSENGER TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-R10?	$\Sigma \Delta D$ DYN. M. X 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 ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	pH	S.C.C.					
		STD	0000	0384	2154	1716	0104910	0000	14483	796												
	213	OBS	0000	0384	21539	1716			14483	796												
		STD	0010	0081	3216	2580	0022047	0063	14492	1276												
	213	OBS	0010	0081	32163	2580			14492	1276												
		STD	0020	-0062	3290	2646	0015811	0082	14438	964												
	213	OBS	0020	-0062	32895	2646			14438	964												
		STD	0030	-0064	3303	2657	0014742	0098	14441	846												
	213	OBS	0030	-0064	33033	2657			14441													
		STD	0050	-0073	3328	2677	0012840	0125	14444	675												
	213	OBS	0050	-0073	33276	2677			14444	675												
		STD	0075	-0052	3338	2684	0012146	0156	14459	650												
	213	OBS	0075	-0052	3338	2684			14459	650												
		STD	0100	-0035	3348	2691	0011445	0186	14472	627												
	213	OBS	0101	-0034	33480	2692			14473	626												
		STD	0125	-0024	3352	2695	0011129	0214	14482	608												
	213	OBS	0151	-0013	33570	2698			14492													
		STD	0200	0092	3396	2724	0008443	0290	14553	560												
	213	OBS	T0203	0097	33975	2725			14556	558												
		STD	0250	0143	3414	2735	0007440	0330	14587	532												
	213	OBS	T0298	0174	34269	2743			14610	513												
		STD	0300	0174	3427	2743	0006709	0365	14611	513												
	213	OBS	0401	0182	34392	2752			14633	496												
		STD	0500	0176	3444	2756	0005517	0485	14647	492												
	213	OBS	T0503	0176	34443	2757			14648	492												
		STD	0600	0175	3445	2757	0005476	0540	14663	502												
	213	OBS	T0602	0175	34449	2757			14664	502												
	213	OBS	T0682	0177	34458	2758			14678	500												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLDUD CODES TYPE (AMT)	NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311529	1S	75410N	059080W	258	59	08	18	155	1969	WGS	005	0371	00	0	X		X2	4	8	0005		
				WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		DRY RULR		WET RULR		VIS. CODE						
						24		S03		200		029		025		8						

MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-x10 ³	Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - 01/l	TOTAL-P μg - 01/l	NO ₂ -N μg - 01/l	NO ₃ -N μg - 01/l	SiO ₄ -Si μg - 01/l	pH	3 C C
		STD	0000	0319	2418	1929	0084303	0000	14489	794							
155		OBS	0000	0319	24182	1929			14489	794							
155		OBS	0005	0170	30832	2468			14513	1125							
		STD	0010	0046	3212	2579	0022190	0053	14476	1100							
155		OBS	0010	0046	32121	2579			14476	1100							
		STD	0020	0006	3280	2635	0016784	0073	14468	1065							
155		OBS	0020	0006	32804	2635			14468	1065							
		STD	0030	-0059	3301	2655	0014952	0089	14443	887							
155		OBS	0030	-0059	33008	2655			14443	887							
155		OBS	0049	-0050	33258	2675			14454	648							
		STD	0050	-0050	3327	2675	0012976	0117	14454	649							
155		OBS	0074	-0039	33420	2687			14465	651							
		STD	0075	-0038	3343	2688	0011792	0147	14466	650							
155		OBS	0098	-0016	33544	2696			14482	620							
		STD	0100	-0013	3355	2696	0010981	0176	14483	617							
		STD	0125	0021	3360	2699	0010764	0203	14504	589							
155		OBS	0147	0048	33677	2704			14521	572							
		STD	0150	0052	3370	2705	0010171	0229	14523	571							
155		OBS	0196	0096	33937	2722			14554	560							
		STD	0200	0097	3394	2722	0008627	0276	14555	559							
155		OBS	T0243	0114	34038	2729			14571	544							
		STD	0250	0121	3407	2731	0007812	0317	14576	540							
155		OBS	T0294	0148	34209	2740			14597	518							
		STD	0300	0148	3422	2741	0006885	0354	14599	516							
165		OBS	T0343	0148	34288	2746			14607	498							
165		OBS	0354	0148	34312	2748			14609	492							

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLDUD CODES TYPE (AMT)	NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
311529	1S	75390N	059140W	258	59	08	18	182	1969	WGS	006	0172	00	0	X		X2	4	8	0006		
				WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		DRY RULR		WET RULR		VIS. CODE						
						24		S03		200		029		025		8						

MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-x10 ³	Σ Δ ρ DYN. M. x 10 ³	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P μg - 01/l	TOTAL-P μg - 01/l	NO ₂ -N μg - 01/l	NO ₃ -N μg - 01/l	SiO ₄ -Si μg - 01/l	pH	3 C C
		STD	0000	0254	2531	2023	0075278	0000	14475	755							
182		OBS	0000	0254	25313	2023			14475	755							
182		OBS	0005	0202	30881	2470			14528	1023							
		STD	0010	0092	3206	2571	0022891	0049	14496	1110							
182		OBS	0011	0074	32237	2586			14490	1111							
		STD	0020	-0025	3272	2630	0017293	0069	14453	807							
182		OBS	0022	-0038	32802	2637			14449	766							
		STD	0030	-0049	3298	2652	0015204	0085	14447	730							
182		OBS	0033	-0052	33031	2656			14447	715							
		STD	0050	-0055	3325	2674	0013106	0114	14451	613							
182		OBS	0054	-0056	33287	2677			14452	598							
		STD	0075	-0037	3341	2686	0011949	0145	14466	580							
182		OBS	0081	-0031	33450	2689			14471	578							
		STD	0100	-0014	3356	2697	0010900	0174	14483	580							
182		OBS	T0108	-0006	33601	2700			14489	581							
		STD	0125	0003	3362	2701	0010519	0200	14496	578							
		STD	0150	0035	3373	2709	0009847	0226	14516	570							
182		OBS	0158	0051	33780	2712			14525	566							
182		OBS	T0168	0074	33860	2717			14539	561							
182		OBS	T0172		33885					584							

TABLE II.—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'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES	NDDC STATION NUMBER	
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIL	HGT	PER	SEA				TYPE
311529	1S	75360N	059450W	258	59	08	18	230	1969	WGS	007	0630	00	0	X		X1	5	3		0007		
						WATER		WIND			AIR TEMP. °C		SPECIAL OBSERVATIONS										
				COLOR CODE		TRANS. (m)	DIR.	SPEED OF FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS										
							00	S00	209	088	066	8	15										
MESSAGE TIME HR / 10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta \sigma_t$ DYN. M. $\times 10^3$	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	0566	2885	2277	0050958	0000	14656	728													
230		OBS	0000	0566	2885	2277	0050958	0000	14656	728													
230		OBS	0005	0681	3054	2396			14725	730													
		STD	0010	0405	3187	2532	0026658	0039	14630	928													
230		OBS	0010	0405	3186	2532			14630	928													
		STD	0020	0151	3278	2625	0017800	0061	14534	1012													
230		OBS	0020	0151	3277	2625			14534	1012													
		STD	0030	0009	3311	2660	0014443	0077	14476	928													
230		OBS	0030	0009	3312	2660			14476	928													
		STD	0050	-0064	3336	2683	0012269	0104	14449	679													
230		OBS	0050	-0064	3335	2683			14449	679													
230		OBS	0074	-0026	3350	2694			14473	620													
		STD	0075	-0023	3351	2694	0011247	0133	14474	620													
234		OBS	0099	0043	3364	2701			14510	607													
		STD	0100	0044	3365	2702	0010510	0160	14511	606													
		STD	0125	0064	3377	2710	0009710	0186	14526	578													
234		OBS	0149	0085	3387	2717			14541	560													
		STD	0150	0086	3388	2718	0009008	0209	14541	560													
234		OBS	0198	0131	3403	2727			14572	553													
		STD	0200	0132	3404	2727	0008106	0252	14572	553													
		STD	0250	0149	3413	2734	0007559	0291	14589	540													
234		OBS	0298	0161	3421	2739			14604	527													
		STD	0300	0161	3422	2740	0006985	0327	14604	526													
238		OBS	T0399	0169	3435	2750			14626	496													
		STD	0400	0169	3436	2750	0006025	0392	14626	496													
238		OBS	T0493	0178	3441	2754			14647	486													
		STD	0500	0178	3442	2755	0005682	0451	14648	488													
238		OBS	T0537	0178	3442	2755			14654	496													
238		OBS	0548		3442				504														

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'MPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES	NDDC STATION NUMBER	
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIL	HGT	PER	SEA				TYPE
311529	1S	75108N	059105W	258	59	08	19	160	1969	WGS	009	0795	00	0	X		X0		0		0008		
						WATER		WIND			AIR TEMP. °C		SPECIAL OBSERVATIONS										
				COLOR CODE		TRANS. (m)	DIR.	SPEED OF FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS										
							04	S11	200	050	033	8	14										
MESSAGE TIME HR / 10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta \sigma_t$ DYN. M. $\times 10^3$	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	0609	3075	2421	0037169	0000	14698	755													
160		OBS	0000	0609	3074	2421			14698	755													
		STD	0010	0252	3187	2545	0025395	0031	14564	924													
160		OBS	0010	0252	3186	2545			14564	924													
		STD	0020	0054	3295	2645	0015889	0052	14492	975													
160		OBS	0020	0054	3295	2645			14492	975													
		STD	0030	-0004	3315	2663	0014132	0067	14470	866													
160		OBS	0030	-0004	3315	2663			14470	866													
		STD	0050	-0061	3333	2681	0012487	0094	14450	697													
160		OBS	0050	-0061	3332	2681			14450	697													
		STD	0075	-0058	3349	2693	0011258	0123	14458	662													
160		OBS	0075	-0058	3348	2693			14458	662													
		STD	0100	0010	3366	2704	0010293	0150	14495	610													
160		OBS	T0100	0010	3365	2704			14495	610													
		STD	0125	0041	3374	2709	0009822	0175	14515	604													
		STD	0150	0069	3382	2714	0009352	0199	14533	598													
		STD	0200	0114	3399	2724	0008384	0244	14564	585													
160		OBS	0201	0115	3399	2725			14564	585													
		STD	0250	0143	3411	2732	0007666	0284	14587	562													
		STD	0300	0163	3421	2739	0007074	0321	14605	543													
160		OBS	T0302	0164	3421	2739			14606	542													
		STD	0400	0178	3438	2751	0005943	0386	14630	516													
160		OBS	T0403	0178	3438	2752			14631	515													
167		OBS	T0499	0167	3444	2758			14643	510													
		STD	0500	0167	3445	2758	0005365	0442	14643	510													
167		OBS	T0593	0166	3447	2760			14659	500													
		STD	0600	0166	3448	2760	0005178	0495	14660	500													
		STD	0700	0160	3449	2761	0005089	0546	14674	500													
167		OBS	T0701	0160	3448	2761			14674	500													
167		OBS	T0777	0048	3449	2769			14637	504													

TABLE II.—Continued

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	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	NODC STATION NUMBER			
						10"	1"	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER				SEA	TYPE	AMT
311529	1S		75110N	058530W	258	58	08	19	181	1969	WGS	008	0274		00	0	X		X0	0		0009
					WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB	VIS. CODE										
							35		S07	186	050	037	8	11								
MESSAGE TIME HR. 1/10	CASST 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 $\mu\text{g} - \text{ol/l}$	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	ST CC					
		STD	0000	0563	3056	2412	0038095	0000	14677	773												
181		OBS	0000	0563	30558	2412			14677	773												
181		OBS	0005	0550	30495	2408			14672	784												
		STD	0010	0246	3212	2565	0023448	0031	14565	1029												
181		OBS	0010	0246	32117	2565			14565	1029												
		STD	0020	0087	3288	2637	0016631	0051	14506	1022												
181		OBS	0020	0087	32878	2637			14506	1022												
		STD	0030	-0014	3309	2659	0014507	0066	14465	892												
181		OBS	0030	-0014	33090	2659			14465	892												
		STD	0050	-0054	3328	2677	0012851	0094	14452	691												
181		OBS	0050	-0054	33284	2677			14452	691												
		STD	0075	-0043	3346	2691	0011541	0124	14464	637												
181		OBS	0076	-0042	33464	2691			14465	636												
		STD	0100	0016	3358	2698	0010879	0152	14497	622												
181		OBS	T0100	0016	33582	2698			14497	622												
		STD	0125	0041	3371	2707	0010035	0178	14514	606												
		STD	0150	0064	3383	2715	0009254	0203	14531	589												
181		OBS	T0152	0066	33834	2715			14532	588												
		STD	0200	0102	3400	2726	0008205	0246	14558	557												
181		OBS	0201	0103	34007	2727			14559	556												
181		OBS	T0210	0109	34025	2728			14564	554												

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	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	NODC STATION NUMBER				
						10"	1"	MO DAY HR.1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER				SEA	TYPE	AMT	
311529	1S		74504N	057211W	258	47	08	20	146	1969	WGS	010	0366		00	0	X		X1	5	2		0010
					WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbs)	DRY BULB	WET BULB	VIS. CODE											
							21		S07	185	050	042	8	12									
MESSAGE TIME HR. 1/10	CASST 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 $\mu\text{g} - \text{ol/l}$	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	ST CC						
		STD	0000	0374	2679	2132	0064805	0000	14548	798													
146		OBS	0000	0374	26792	2132			14548	798													
		STD	0010	0178	3244	2596	0020520	0043	14539	1074													
146		OBS	0010	0178	32440	2596			14539	1074													
		STD	0020	-0034	3285	2641	0016239	0061	14451	811													
146		OBS	0020	-0034	32853	2641			14451	811													
		STD	0030	-0053	3307	2660	0014493	0076	14447	628													
146		OBS	0030	-0053	33071	2660			14447	628													
146		OBS	0049	-0068	33271	2676			14446	561													
		STD	0050	-0067	3328	2677	0012832	0104	14446	561													
146		OBS	0074	-0043	33447	2689			14464	566													
		STD	0075	-0043	3345	2690	0011620	0134	14464	566													
146		OBS	0098	-0031	33564	2698			14475	560													
		STD	0100	-0030	3357	2699	0010750	0162	14476	559													
		STD	0125	-0013	3366	2705	0010136	0188	14489	547													
146		OBS	T0149	0003	33746	2711			14502	539													
		STD	0150	0004	3375	2712	0009530	0213	14502	539													
146		OBS	T0196	0033	33900	2722			14525	531													
		STD	0200	0035	3391	2723	0008475	0258	14527	530													
		STD	0250	0061	3400	2729	0007946	0299	14548	517													
146		OBS	T0290	0078	34099	2736			14564	515													
		STD	0300		3413					516													
146		OBS	0317		34184					517													
146		OBS	0327		34216					511													

TABLE II.—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	NDDC STATION NUMBER	
CTRY CODE	ID. ND.					10"	1"	MO	DAY	HR./10		CRUISE ND.	STATION NUMBER			DIR.	HGT	PER				SEA
311529	1S		7448 N	05748 W		258	47	08	20	220	1969	WGS 011	0934		00	0	X		X1	5	2	0011
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIL CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						CDLOR CODE	TRANS (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB											
							00	500	226	056	044	8	16									
MESSENGR TIME HR 1/10	CST ND.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta \sigma$ DYN. M. $\times 10^2$	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 C					
		STD	0000	0343	2701	2152	0062911	0000	14537	797												
		OBS	0000	0343	27011	2152			14537	797												
		STD	0010	0072	3223	2586	0021520	0042	14489	1084												
220		OBS	0010	0072	32226	2586			14489	1084												
		STD	0020	0014	3286	2640	0016393	0061	14473	1088												
220		OBS	0021	0007	32903	2643			14470	1088												
		STD	0030	-0067	3309	2662	0014295	0077	14440	771												
220		OBS	0031	-0073	33109	2663			14438	746												
		STD	0050	-0070	3326	2675	0012973	0104	14445	656												
220		OBS	0051	-0069	33268	2676			14445	653												
		STD	0075	-0039	3344	2689	0011711	0135	14466	630												
220		OBS	0077	-0036	33455	2690			14468	629												
		STD	0100	-0005	3359	2699	0010714	0163	14488	618												
220		OBS	0102	-0003	33597	2700			14489	617												
		STD	0125	0021	3368	2705	0010155	0189	14505	595												
		STD	0150	0044	3376	2710	0009669	0214	14521	573												
220		OBS	0153	0047	33772	2711			14523	571												
		STD	0200	0081	3393	2722	0008600	0259	14548	541												
220		OBS	T0204	0083	33940	2723			14550													
		STD	0250	0080	3402	2729	0007916	0301	14557	517												
		STD	0300	0077	3412	2737	0007143	0338	14565	501												
220		OBS	T0304	0077	34124	2738			14566	500												
		STD	0400	0123	3430	2749	0006120	0404	14605	493												
220		OBS	T0406	0125	34313	2750			14607	492												
		STD	0500	0133	3445	2760	0005093	0461	14628	470												
220		OBS	T0508	0134	34454	2761			14630	469												
		STD	0600	0128	3448	2763	0004852	0510	14643	469												
226		OBS	0602	0128	34481	2763			14643	469												
		STD	0700	0127	3449	2764	0004793	0558	14659	468												
226		OBS	T0703	0127	34493	2764			14660	468												
		STD	0800	0128	3450	2764	0004774	0606	14677	469												
		STD	0900	0130	3450	2764	0004794	0654	14694	471												
226		OBS	T0923	0131	34501	2764			14699	471												
226		OBS	0934		34498					451												

TABLE II.—Continued

REFERENCE		SNIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	L. D. REF. P.	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYR	
311529	15	72554N	055272W	258	25	08	23	147	1969	WGS	014	0980	03	1	X	X	X	X	4	X	9	0014
		WATER		WIND		BARO-METER (mba)		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS										
		COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE			DRY BULB	WET BULB	VIS. CODE												
				01	5	11	004	017	017	2	15											
MESSAGE TIME HB 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANDWALT-310°	Σ Δ D GYN. 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	0219	3004	2402	0039007	0000	14523	912												
147		OBS	0000	0219	3004.3	2402			14523	912												
		STD	0010	0136	3278	2626	0017674	0028	14525	869												
147		OBS	0010	0136	32779	2626			14525	869												
		STD	0020	0143	3300	2643	0016039	0045	14533	817												
147		OBS	0020	0143	33000	2643			14533	817												
		STD	0030	0078	3319	2662	0014235	0060	14508	686												
147		OBS	0030	0078	33186	2662			14508	686												
		STD	0050	0079	3334	2675	0013052	0088	14514	695												
147		OBS	0050	0079	33342	2675			14514	695												
		STD	0075	0075	3342	2682	0012412	0119	14518	690												
147		OBS	0075	0075	33423	2682			14518	690												
		STD	0100	0074	3355	2692	0011440	0149	14523	668												
147		OBS	0101	0074	33555	2692			14523	667												
		STD	0125	0079	3369	2703	0010406	0177	14531	634												
		STD	0150	0085	3380	2711	0009609	0202	14540	608												
147		OBS	T0152	0086	33812	2712			14541	606												
		STD	0200	0101	3397	2724	0008426	0247	14558	583												
147		OBS	T0202	0102	33976	2724			14558	582												
		STD	0250	0132	3415	2736	0007285	0286	14582	552												
		STD	0300	0159	3430	2746	0006403	0320	14604	532												
153		OBS	0300		34295					532												
		STD	0400	0204	3448	2758	0005395	0379	14643	524												
153		OBS	0400		34482					524												
		STD	0500	0233	3454	2760	0005263	0432	14674	541												
		STD	0600	0249	3458	2762	0005166	0485	14698	549												
153		OBS	0600	0249	34580	2762			14698	549												
		STD	0700	0241	3458	2762	0005144	0536	14711	543												
		STD	0800	0237	3457	2762	0005203	0588	14726	538												
153		OBS	T0800	0237	34574	2762			14726	538												
		STD	0900	0236	3457	2762	0005245	0640	14742	534												
153		OBS	T0951	0236	34574	2762			14751	532												
153		OBS	0961		34570					504												

TABLE II.—Continued

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH IN 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
						10"	1"	MO	DAY	HR./1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
311529	15		72170N	061465W	259	21	08	24	022	1969	WGS	020	1836		00	0	X		X1	8	7	0015
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		ND. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. IMT	DIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET RULE	VIS. CODE	ND. OBS. DEPTHS	SPECIAL OBSERVATIONS							
								00	500	050	016	011	6	16								
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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					
		STD	0000	0397	2868	2280	0050664	0000	14583													
	022	OBS	0000	0397	28681	2280			14583													
		STD	0010	-0025	3205	2576	0022416	0037	14442													
	022	OBS	0010	-0025	32051	2576			14442													
		STD	0020	-0118	3304	2659	0014509	0055	14414													
	022	OBS	0020	-0118	33041	2659			14414													
		STD	0030	-0153	3323	2676	0012965	0069	14402													
	022	OBS	0030	-0153	33229	2676			14402													
		STD	0050	-0171	3337	2687	0011855	0094	14399													
	022	OBS	0050	-0171	33366	2687			14399													
		STD	0075	-0176	3342	2691	0011426	0123	14401													
	022	OBS	0076	-0176	33420	2692			14401													
		STD	0100	-0164	3349	2697	0010908	0151	14412													
	022	OBS	0101	-0163	33490	2697			14413													
		STD	0125	-0141	3358	2704	0010244	0177	14428													
		STD	0150	-0111	3368	2711	0009564	0202	14448													
	022	OBS	0151	-0110	33683	2711			14449													
		STD	0200	-0030	3387	2723	0008436	0247	14497													
	022	OBS	0202	-0027	33878	2724			14498													
		STD	0250	0040	3406	2735	0007364	0286	14540													
		STD	0300	0097	3421	2743	0006595	0321	14576													
		STD	0400	0173	3444	2757	0005454	0381	14629													
	022	OBS	T0403	0174	34442	2757			14630													
		STD	0500	0171	3449	2761	0005110	0434	14645													
		STD	0600	0167	3454	2765	0004756	0484	14661													
	022	OBS	T0603	0167	34537	2765			14662													
		STD	0700	0125	3452	2766	0004552	0530	14659													
		STD	0800	0089	3450	2767	0004427	0575	14659													
	022	OBS	T0805	0087	34499	2767			14659													
		STD	0900	0063	3449	2768	0004307	0619	14664													
		STD	1000	0039	3448	2769	0004188	0661	14670													
	022	OBS	T1002	0038	34476	2768			14670													
		STD	1100	0026	3448	2769	0004126	0703	14681													
		STD	1200	0009	3447	2770	0004000	0743	14690													
	022	OBS	T1208	0007	34473	2770			14691													
		STD	1300	-0015	3448	2771	0003782	0782	14696													
		STD	1400	-0044	3448	2773	0003518	0819	14700													
		STD	1500	-0078	3448	2774	0003211	0852	14701													
	032	OBS	T1505	-0080	34479	2774			14701													
	032	OBS	1635		34474																	

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBT. INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEATHER 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		
311529	15		72450N	057000W		258	27	08	24	135	1969	WGS	015	0218		00	0	X		X2	6	8		0016
						WATER		WIND		BARO-METER			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											
						00	S00	014	027	022	7	11												

MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-2107	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	0528	3270	2584	0021645	0000	14691								
135		OBS	0000	0528	32698	2584			14691								
		STD	0010	0524	3274	2588	0021273	0021	14692								
135		OBS	0010	0524	32743	2588			14692								
		STD	0020	0356	3298	2625	0017815	0041	14626								
135		OBS	0020	0356	32982	2625			14626								
		STD	0030	0058	3329	2672	0013363	0057	14501								
135		OBS	0030	0058	33286	2672			14501								
		STD	0050	-0046	3342	2688	0011821	0082	14458								
135		OBS	0050	-0046	33423	2688			14458								
135		OBS	0074	-0048	33505	2694			14462								
		STD	0075	-0048	3351	2695	0011163	0111	14463								
135		OBS	0098	-0041	33554	2698			14470								
		STD	0100	-0034	3357	2699	0010732	0138	14474								
135		OBS	0123	0031	33765	2712			14510								
		STD	0125	0036	3378	2712	0009475	0163	14513								
135		OBS	0147	0080	33901	2720			14538								
		STD	0150	0082	3391	2720	0008755	0186	14540								
135		OBS	T0195	0097	33946	2722			14555								
		STD	0200	0097	3395	2722	0008582	0229	14555								
135		OBS	T0207	0096	33947	2722			14556								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBT. INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS				WEATHER 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		
311529	15		72385N	05804 W		258	28	08	24	160	1969	WGS	016	0172		00	0	X		X2	6	8		0017
						WATER		WIND		BARO-METER			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											
						00	S00	250	037	030	7	10												

MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-2107	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	0521	3237	2559	0024055	0000	14684								
160		OBS	0000	0521	32367	2559			14684								
		STD	0010	0431	3260	2587	0021367	0023	14651								
160		OBS	0010	0431	32603	2587			14651								
		STD	0020	0163	3298	2640	0016336	0042	14542								
160		OBS	0020	0163	32978	2640			14542								
		STD	0030	0017	3325	2671	0013436	0056	14481								
160		OBS	0030	0017	33249	2671			14481								
		STD	0050	-0070	3341	2687	0011864	0082	14447								
160		OBS	0050	-0070	33405	2687			14447								
		STD	0075	-0045	3355	2698	0010876	0110	14464								
160		OBS	0075	-0045	33546	2698			14464								
		STD	0100	-0026	3362	2703	0010387	0137	14478								
160		OBS	0101	-0025	33621	2703			14479								
		STD	0125	0020	3374	2710	0009693	0162	14505								
160		OBS	0126	0022	33742	2710			14506								
		STD	0150	0065	3385	2716	0009108	0185	14531								
160		OBS	T0152	0067	33856	2717			14533								
160		OBS	T0161	0072	33858	2717			14536								

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSHEN 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	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER		SEA	TYPE	

311529	15	72329N	058555W	258	28	08	24	182	1969	WGS	017	0245	00	0	X	X1	6	7	0018
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WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. M	DIR.	SPED OR FORCE		DRY BULB	WET BULB			

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	$\frac{\Delta \sigma}{\sigma}$ DYN. M. $\times 10^3$	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	0567	3252	2566	0023434	0000	14705								
182		OBS	0000	0567	32517	2566			14705								
		STD	0010	0557	3255	2569	0023100	0023	14703								
182		OBS	0010	0557	32548	2569			14703								
		STD	0020	0125	3307	2650	0015379	0043	14526								
182		OBS	0020	0125	33072	2650			14526								
		STD	0030	0003	3322	2669	0013591	0057	14475								
182		OBS	0031	-0007	33237	2671			14470								
		STD	0050	-0108	3338	2686	0011923	0083	14429								
182		OBS	0052	-0113	33391	2688			14427								
		STD	0075	-0082	3351	2696	0011005	0111	14447								
182		OBS	0077	-0078	33518	2697			14449								
		STD	0100	-0027	3365	2705	0010153	0138	14478								
182		OBS	0102	-0022	33667	2706			14481								
		STD	0125	0046	3382	2715	0009226	0162	14518								
182		OBS	0128	0053	33837	2716			14522								
		STD	0150	0089	3393	2721	0008647	0184	14543								
182		OBS	T0154	0095	33945	2722			14547								
		STD	0200	0148	3408	2729	0007924	0226	14580								
182		OBS	T0200	0148	34079	2729			14580								
182		OBS	T0237	0158	34094	2730			14591								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSHEN 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	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DR.	HGT	PER		SEA	TYPE	

311529	15	72280N	059480W	258	29	08	24	213	1969	WGS	018	0420	00	0	X	X1	6	7	0019
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WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. M	DIR.	SPED OR FORCE		DRY BULB	WET BULB			

MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-30°	$\frac{\Delta \sigma}{\sigma}$ DYN. M. $\times 10^3$	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	0563	3157	2492	0030465	0000	14690								
213		OBS	0000	0563	31574	2492			14690								
		STD	0010	0132	3238	2595	0020654	0026	14518								
213		OBS	0010	0132	32384	2595			14518								
		STD	0020	-0099	3321	2673	0013248	0043	14426								
213		OBS	0020	-0099	33213	2673			14426								
		STD	0030	-0146	3330	2681	0012438	0055	14406								
213		OBS	0031	-0149	33306	2682			14405								
		STD	0050	-0168	3338	2688	0011755	0080	14400								
213		OBS	0051	-0169	33388	2689			14400								
		STD	0075	-0168	3343	2692	0011353	0108	14405								
213		OBS	0076	-0167	33435	2693			14406								
		STD	0100	-0134	3347	2695	0011123	0137	14426								
213		OBS	0102	-0131	33475	2695			14428								
		STD	0125	-0096	3364	2707	0009936	0163	14450								
213		OBS	0127	-0091	33655	2708			14453								
		STD	0150	-0020	3377	2714	0009258	0187	14491								
213		OBS	T0151	-0017	33780	2715			14493								
		STD	0200	0109	3404	2729	0007949	0230	14562								
213		OBS	T0204	0117	34062	2730			14567								
		STD	0250	0183	3426	2741	0006835	0267	14606								
213		OBS	0300	0235	3442	2750	0006078	0299	14640								
		STD	T0301	0236	34423	2750			14640								
213		OBS	0400	0273	3455	2757	0005499	0357	14674								
213		OBS	T0405	0275	34551	2757			14676								
213		OBS	0415	0275	34556	2758			14678								

TABLE II.—Continued

REFERENCE	SNIP CODE	LATITUDE 1/10	LONGITUDE 1/10	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		NODC STATION NUMBER
					10'	1'	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE	
311529	1S	72230N	060450W	259	20	08	24	1234	1969	WGS	019	0610	00	0	X		X8	6	6	0020	
					WATER		WIND		BARO-METER (mbs)	AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE										
								01	S04	061	016	007	7	14							
MESSENGER TIME OF HR 1/10	CAST NO.	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	SS CC				
		STO	0000	0418	2881	2288	0049881	0000	14593												
	234	OBS	0000	0418	28808	2288			14593												
		STD	0010	0198	3199	2559	0024041	0037	14542												
	234	OBS	0010	0198	31994	2559			14542												
		STD	0020	0012	3299	2650	0015361	0057	14474												
	234	OBS	0020	0012	32994	2650			14474												
		STD	0030	-0105	3323	2674	0013070	0071	14425												
	234	OBS	0030	-0105	33233	2674			14425												
		STD	0050	-0161	3336	2686	0011941	0096	14403												
	234	OBS	0050	-0161	33358	2686			14403												
		STD	0075	-0160	3340	2690	0011603	0125	14409												
	234	OBS	0076	-0160	33407	2690			14409												
		STD	0100	-0122	3349	2696	0011007	0154	14432												
	234	OBS	0101	-0120	33500	2697			14433												
		STD	0125	-0040	3366	2707	0010011	0180	14477												
	234	OBS	0126	-0037	33670	2707			14478												
		STD	0150	0004	3379	2715	0009225	0204	14503												
	234	OBS	0151	0006	33794	2715			14504												
		STD	0200	0083	3401	2728	0008006	0247	14550												
	234	OBS	T0203	0087	34020	2729			14552												
		STD	0250	0111	3416	2739	0007062	0285	14573												
		STD	0300	0136	3429	2747	0006260	0318	14594												
	234	OBS	T0300	0136	34291	2747			14594												
		STD	0400	0181	3446	2758	0005346	0376	14633												
	234	OBS	T0404	0182	34470	2758			14634												
		STD	0500	0181	3451	2762	0005032	0428	14650												
	234	OBS	T0501	0181	34515	2762			14651												
		STD	0600	0121	3452	2767	0004495	0476	14641												
	234	OBS	T0602	0119	34521	2767			14640												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DIAL NO.	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES TYPE AMT	NOOC STATION NUMBER
CTRY CODE	ID. NO.					10'	1'	MO	DAY	HR.		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA			
MESSAGES		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	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S C C				
HR	1/10																					
			STO	0000	0001	2466	1981	0079356	0000	14351												
057			OBS	0000	0001	24656	1981			14351												
			STD	0010	-0076	3218	2589	0021240	0050	14420												
057			OBS	0010	-0076	32181	2589			14420												
			STD	0020	-0153	3300	2657	0014708	0068	14397												
057			OBS	0020	-0153	33003	2657			14397												
			STD	0030	-0149	3324	2676	0012883	0082	14404												
057			OBS	0030	-0149	33241	2676			14404												
			STD	0050	-0173	3336	2687	0011897	0107	14398												
057			OBS	0050	-0173	33360	2687			14398												
			STD	0075	-0175	3342	2691	0011429	0136	14402												
057			OBS	0076	-0175	33420	2692			14402												
			STD	0100	-0160	3349	2697	0010896	0164	14414												
057			OBS	0101	-0159	33492	2697			14415												
			STD	0125	-0150	3357	2703	0010295	0190	14424												
			STD	0150	-0140	3365	2709	0009697	0215	14434												
057			OBS	0152	-0139	33658	2710			14435												
			STD	0200	-0035	3382	2719	0008793	0262	14494												
057			OBS	0202	-0031	33825	2719			14496												
			STD	0250	0036	3402	2732	0007643	0303	14537												
			STD	0300	0092	3418	2741	0006788	0339	14573												
			STD	0400	0163	3441	2755	0005599	0401	14624												
057			OBS	T0404	0165	34418	2755			14626												
			STD	0500	0159	3443	2757	0005450	0456	14639												
			STD	0600	0142	3445	2760	0005190	0509	14649												
057			OBS	T0604	0141	34453	2760			14649												
			STD	0700	0105	3448	2765	0004688	0559	14649												
			STD	0800	0073	3449	2767	0004374	0604	14652												
057			OBS	0805	0072	34491	2768			14652												
			STD	0900	0051	3448	2768	0004276	0647	14659												
			STD	1000	0032	3447	2768	0004204	0690	14667												
057			OBS	T1006	0031	34470	2768			14667												
			STD	1100	0018	3447	2769	0004084	0731	14677												
			STD	1200	0005	3447	2770	0003960	0771	14688												
057			OBS	T1211	0004	34474	2770			14690												
			STD	1300	-0008	3447	2771	0003846	0810	14699												
			STD	1400	-0020	3447	2771	0003744	0848	14711												
			STD	1500	-0029	3447	2772	0003662	0885	14724												
066			OBS	T1510	-0030	34472	2772			14725												
			STD	1750	-0036	3449	2773	0003432	0974	14763												
			STD	2000	-0042	3449	2774	0003337	1058	14803												
066			OBS	T2018	-0042	34492	2774			14806												
066			OBS	T2120	-0040	34490	2773			14825												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	MARSOEN 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	ID. NO.					10"	1"	MO	DAY		HR.	1/10			CRUISE NO.	STATION NUMBER	DIR.	HGT		PER	SEA		TYPE
311529		15	72050N	063300W		259	23 08	25 095	1969	WGS	022	2200		00	0	X		X2	6	8		0022	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						CDLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mba)	DRY BULB	WET BULB											
									34	508	045	009	-006	7	17								
MESSNGR TIME HR 1/10	CST NO.	CARO TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ OYN. 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 $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S/C						
		STD	0000	0080	2594	2082	0069647	0000	14405														
095		OBS	0000	0080	25944	2082			14405														
		STD	0010	-0051	3230	2597	0020397	0045	14434														
095		OBS	0010	-0051	32302	2597			14434														
		STD	0020	-0154	3289	2648	0015605	0063	14395														
095		OBS	0020	-0154	32886	2648			14395														
		STD	0030	-0165	3309	2665	0013989	0078	14394														
095		OBS	0030	-0165	33092	2665			14394														
		STD	0050	-0174	3330	2681	0012394	0104	14396														
095		OBS	0050	-0174	33295	2681			14396														
		STD	0075	-0176	3339	2689	0011626	0134	14401														
095		OBS	0075	-0176	33392	2689			14401														
		STD	0100	-0170	3344	2693	0011238	0163	14409														
095		OBS	0100	-0170	33442	2693			14409														
		STD	0125	-0161	3354	2701	0010494	0190	14419														
		STD	0150	-0151	3363	2708	0009823	0215	14428														
095		OBS	0150	-0151	33629	2708			14428														
		STD	0200	-0053	3381	2719	0008778	0262	14485														
095		OBS	0200	-0053	33811	2719			14485														
		STD	0250	0018	3400	2731	0007691	0303	14529														
		STD	0300	0076	3415	2740	0006908	0340	14565														
		STD	0400	0152	3438	2753	0005738	0403	14619														
095		OBS	T0402	0153	34384	2754			14620														
		STD	0500	0150	3444	2758	0005306	0458	14635														
		STD	0600	0146	3450	2763	0004887	0509	14651														
095		OBS	T0603	0146	34497	2763			14652														
		STD	0700	0113	3449	2765	0004678	0557	14653														
		STD	0800	0083	3448	2766	0004528	0603	14656														
095		OBS	T0806	0081	34475	2766			14656														
		STD	0900	0056	3447	2767	0004398	0647	14661														
		STD	1000	0036	3446	2767	0004318	0691	14668														
095		OBS	T1010	0034	34458	2767			14669														
		STD	1100	0024	3446	2768	0004251	0734	14680														
		STD	1200	0012	3445	2768	0004166	0776	14691														
095		OBS	T1206	0011	34454	2768			14692														
		STD	1300	-0000	3446	2769	0004013	0817	14703														
		STD	1400	-0012	3446	2770	0003904	0856	14714														
		STD	1500	-0025	3446	2770	0003789	0895	14725														
104		OBS	T1504	-0025	34462	2771			14726														
		STD	1750	-0031	3447	2771	0003620	0988	14765														
		STD	2000	-0038	3447	2772	0003520	1077	14805														
104		OBS	T2008	-0038	34473	2772			14806														
104		OBS	T2193	-0039	34473	2772			14838														

TABLE II.—Continued

REFERENCE	SHIP CODE	LATITUDE	LONGITUDE	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER	
					10'	1'	MO DAY HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT		
311529	1S	72315N	063595W	259	23	08	25 140	1969	WGS	023	2220		36	0	2		X7	6	8	0023	
					WATER		WIND		BARO-METER (mbs)		AIR TEMP. °C			VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
					COLOR CODE	TRANS (M)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB										
					36	S11		030		015	010	7	17								
MESSENGER 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	D ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{ml}^{-1}$	TOTAL-P $\mu\text{g} - \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} - \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} - \text{ml}^{-1}$	SiO ₄ -Si $\mu\text{g} - \text{ml}^{-1}$	pH	STATION NUMBER				
		STD	0000	0256	2796	2233	0055105	0000	14512												
140		OBS	0000	0256	27959	2233			14512												
		STD	0010	-0083	3212	2584	0021670	0038	14416												
140		OBS	0010	-0083	32122	2584			14416												
140		OBS	0019	-0122	32560	2621			14405												
		STD	0020	-0127	3259	2623	0017946	0058	14404												
140		OBS	0029	-0164	32818	2643			14391												
		STD	0030	-0169	3284	2644	0015917	0075	14389												
140		OBS	0048	-0222	33181	2673			14372												
		STD	0050	-0215	3320	2674	0013044	0104	14375												
140		OBS	0072	-0167	33333	2684			14404												
		STD	0075	-0167	3335	2686	0011971	0135	14405												
140		OBS	0096	-0163	33439	2693			14411												
		STD	0100	-0162	3345	2694	0011198	0164	14413												
		STD	0125	-0155	3355	2702	0010434	0191	14421												
140		OBS	0145	-0149	33625	2708			14429												
		STD	0150	-0140	3364	2708	0009773	0217	14434												
140		OBS	0192	-0067	33798	2719			14477												
		STD	0200	-0056	3383	2721	0008620	0263	14484												
		STD	0250	0008	3400	2732	0007636	0303	14524												
		STD	0300	0063	3415	2741	0006824	0339	14559												
140		OBS	0384		34349																
		STD	0400	0143	3438	2754	0005669	0402	14615												
		STD	0500	0185	3450	2760	0005141	0456	14652												
140		OBS	T0576	0192	34555	2764			14668												
		STD	0600	0180	3455	2765	0004762	0505	14667												
		STD	0700	0134	3453	2767	0004552	0552	14663												
140		OBS	T0776	0104	34518	2768			14662												
		STD	0800	0095	3451	2768	0004401	0597	14662												
		STD	0900	0064	3449	2768	0004312	0640	14665												
140		OBS	T0970	0046	34483	2768			14668												
		STD	1000	0041	3449	2769	0004133	0683	14671												
		STD	1100	0025	3449	2770	0004006	0723	14681												
140		OBS	T1171	0014	34497	2771			14688												
		STD	1200	0010	3450	2772	0003836	0762	14691												
		STD	1300	-0004	3449	2772	0003760	0800	14701												
		STD	1400	-0016	3448	2772	0003695	0838	14713												
150		OBS	T1461	-0022	34481	2772			14720												
		STD	1500	-0024	3448	2772	0003638	0874	14726												
		STD	1750	-0034	3448	2773	0003492	0963	14764												
150		OBS	T1958	-0038	34487	2773			14798												
		STD	2000	-0038	3449	2773	0003371	1049	14805												
150		OBS	T2175	-0039	34493	2774			14835												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT DIRECTION	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TTL AMT	NODC STATION NUMBER				
CTRY CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA			
311529	1S		72570N	064285W		259	24	08	25	190	1969	WGS 024		2100		00	0	X		X7	6	8		0024	
						WATER		WIND		BARO-METER		AIR TEMP. °C													
						COLOR CODE	TRANSL (m)	DIR.	SPEED OR FORCE		METER (mb)	DRY BULB	WET BULB	VIC. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
											34	S15	034	016	015	7	17								
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-10 ³	Σ Δ O OYN. 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 C								
		STD	0000	0223	2988	2389	0040288	0000	14523																
190		OBS	0000	0223	29878	2389			14523																
		STD	0010	-0057	3242	2607	0019510	0030	14432																
190		OBS	0010	-0057	32415	2607			14432																
		STD	0020	-0151	3299	2656	0014836	0047	14398																
190		OBS	0020	-0151	32987	2656			14398																
190		OBS	0029	-0168	33234	2676			14395																
		STD	0030	-0168	3325	2678	0012768	0061	14395																
		STD	0050	-0173	3341	2691	0011490	0085	14398																
190		OBS	0050	-0173	33413	2691			14398																
190		OBS	0070	-0176	33468	2695			14401																
		STD	0075	-0176	3347	2696	0011027	0113	14402																
190		OBS	0098	-0176	33501	2698			14406																
		STD	0100	-0175	3351	2699	0010704	0140	14407																
		STD	0125	-0162	3358	2704	0010184	0167	14419																
190		OBS	0147	-0150	33650	2710			14429																
		STD	0150	-0144	3366	2710	0009607	0191	14432																
190		OBS	0196	-0056	33817	2720			14483																
		STD	0200	-0053	3383	2721	0008635	0237	14486																
		STD	0250	-0011	3404	2736	0007231	0277	14516																
		STD	0300	0031	3421	2747	0006174	0310	14546																
190		OBS	0389		34448																				
		STD	0400	0115	3447	2763	0004782	0365	14604																
		STD	0500	0199	3459	2767	0004589	0412	14660																
190		OBS	T0584	0270	34641	2765			14705																
		STD	0600	0252	3463	2765	0004821	0459	14700																
		STD	0700	0157	3457	2768	0004449	0505	14674																
190		OBS	0778	0104	34533	2769			14663																
		STD	0800	0098	3453	2769	0004276	0549	14664																
		STD	0900	0071	3450	2768	0004294	0592	14668																
190		OBS	T0979	0053	34484	2768			14673																
		STD	1000	0049	3448	2768	0004273	0634	14675																
		STD	1100	0031	3448	2769	0004129	0676	14683																
190		OBS	T1187	0017	34475	2769			14692																
		STD	1200	0015	3448	2770	0004034	0717	14693																
		STD	1300	-0001	3448	2770	0003896	0757	14702																
		STD	1400	-0015	3448	2771	0003770	0795	14713																
199		OBS	T1417	-0017	34475	2771			14715																
		STD	1500	-0026	3448	2772	0003628	0832	14725																
		STD	1750	-0043	3448	2773	0003441	0921	14760																
199		OBS	T1932	-0045	34484	2773			14790																
		STD	2000	-0043																					
199		OBS	T2078	-0040																					

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DRIFT DIRECTION	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER	
CRUISE CODE	IO. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA		TYPE	AMT		
311529	15	73245N	064580W	259	34	08	25	237	1969	WGS	025	2185	00	0	X	X8	6	9	0025				
		WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS											
		COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		METER (mba)		DRY BULB		WET BULB		VIS. CODE							
				34		S06		590		031		025		7		17							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	S	D	D	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	0261	3015	2408	0038478	0000			14543												
237		OBS	0000	0261	30150	2408					14543												
		STD	0010	-0048	3246	2610	0019167	0029			14437												
237		OBS	0010	-0048	32464	2610					14437												
		STD	0020	-0138	3309	2664	0014078	0045			14405												
237		OBS	0021	-0143	33132	2667					14404												
		STD	0030	-0152	3330	2681	0012423	0059			14403												
237		OBS	0031	-0153	33317	2683					14403												
		STD	0050	-0168	3342	2691	0011448	0083			14401												
237		OBS	0052	-0169	33425	2692					14401												
		STD	0075	-0166	3347	2695	0011051	0111			14407												
237		OBS	0078	-0165	33480	2696					14408												
		STD	0100	-0161	3354	2701	0010510	0138			14414												
237		OBS	0104	-0158	33554	2702					14416												
		STD	0125	-0126	3364	2708	0009832	0163			14436												
		STD	0150	-0071	3375	2715	0009183	0187			14468												
237		OBS	0155	-0058	33775	2717					14475												
		STD	0200	0103	3402	2728	0008060	0230			14559												
237		OBS	0207	0125	34048	2729					14571												
		STD	0250	0130	3415	2736	0007268	0268			14581												
		STD	0300	0135	3426	2745	0006488	0303			14593												
		STD	0400	0146	3442	2757	0005390	0362			14617												
237		OBS	0415		34442																		
		STD	0500	0157	3451	2763	0004831	0413			14640												
		STD	0600	0168	3455	2766	0004655	0461			14662												
237		OBS	T0622	0170	34553	2766					14666												
		STD	0700	0141	3454	2767	0004536	0507			14666												
		STD	0800	0106	3452	2768	0004417	0551			14667												
237		OBS	0832	0095	34516	2768					14668												
		STD	0900	0072	3450	2769	0004272	0595			14669												
		STD	1000	0043	3449	2769	0004172	0637			14672												
237		OBS	T1040	0034	34480	2769					14675												
		STD	1100	0025	3448	2769	0004080	0678			14681												
		STD	1200	0011	3448	2770	0003964	0718			14691												
237		OBS	T1248	0005	34480	2770					14697												
		STD	1300	-0001	3448	2771	0003845	0757			14703												
		STD	1400	-0012	3449	2772	0003719	0795			14714												
		STD	1500	-0024	3449	2773	0003588	0832			14726												
244		OBS	T1503	-0024	34488	2773					14727												
		STD	1750	-0033	3449	2773	0003429	0920			14765												
		STD	2000	-0042	3450	2774	0003262	1003			14804												
244		OBS	T2009	-0042	34500	2774					14805												
244		OBS	T2162	-0039	34500	2774					14833												

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	WIND DIRECTION	MARSDEN 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
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
MESSENGER TIME OF HR 1/10		CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\frac{\Delta \sigma}{\sigma}$ OYN. AL. $\times 10^3$	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 $\mu\text{g} \cdot \text{at/l}$	SiO ₄ -S $\mu\text{g} \cdot \text{at/l}$	pH	S CDS					
HR 1/10	HR 1/10																						
			STD	0000	0338	3049	2429	0036461	0000	14581	827												
	043		OBS	0000	0338	30493	2429				14581	827											
			STD	0010	-0052	3266	2626	0017682	0027	14438	1041												
	043		OBS	0010	-0052	32656	2626				14438	1041											
			STD	0020	-0102	3322	2673	0013216	0043	14424	970												
	043		OBS	0020	-0102	33216	2673				14424	970											
			STD	0030	-0161	3337	2687	0011901	0055	14400	818												
	043		OBS	0030	-0161	33365	2687				14400	818											
			STD	0050	-0165	3348	2696	0011017	0078	14403	803												
	043		OBS	0050	-0165	33477	2696				14403	803											
			STD	0075	-0174	3352	2700	0010655	0105	14404	798												
	043		OBS	0075	-0174	33519	2700				14404	798											
			STD	0100	-0158	3357	2703	0010303	0131	14416	791												
	043		OBS	0100	-0158	33568	2703				14416	791											
			STD	0125	-0128	3364	2708	0009826	0156	14435	744												
			STD	0150	-0087	3374	2715	0009226	0180	14460	704												
	043		OBS	0150	-0087	33736	2715				14460	704											
			STD	0200	0024	3397	2728	0007988	0223	14523	649												
	043		OBS	0200	0024	33966	2728				14523	649											
			STD	0250	0063	3411	2737	0007125	0261	14551	629												
			STD	0300	0095	3423	2745	0006431	0295	14575	611												
			STD	0400	0135	3441	2757	0005389	0354	14612	582												
	043		OBS	T0400	0135	34409	2757				14612	582											
			STD	0500	0133	3447	2762	0004941	0406	14629	564												
			STD	0600	0122	3450	2765	0004661	0454	14641	548												
	043		OBS	T0600	0122	34499	2765				14641	548											
			STD	0700	0096	3450	2766	0004497	0500	14646	534												
			STD	0800	0073	3449	2768	0004359	0544	14652	520												
	043		OBS	T0803	0072	34492	2768				14652	520											
			STD	0900	0054	3448	2768	0004306	0587	14660	515												
			STD	1000	0035	3448	2769	0004162	0629	14668	510												
	043		OBS	T1001	0035	34476	2769				14668	510											
			STD	1100	0021	3447	2769	0004093	0671	14679	471												
			STD	1200	0009	3447	2770	0004014	0711	14690	441												
	043		OBS	T1206	0008	34471	2770				14691	439											
			STD	1300	0003	3448	2771	0003896	0751	14705	427												
			STD	1400	-0002	3448	2771	0003847	0790	14719	415												
			STD	1500	-0006	3448	2771	0003797	0828	14734	402												
	051		OBS	1503		34484					402												
			STD	1750	-0019	3449	2772	0003616	0920	14771	366												
	051		OBS	1997		34489					344												
			STD	2000	-0031	3449	2773	0003439	1009	14808	344												
	051		OBS	T2165	-0039	34500	2774				14833	337											

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. DATE	MARDEN SQUARE			STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER 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	
311529	1S		73555N	064150W	259	34	08	26	080	1969	WGS	027	0850		25	1	2		X2	6	8	0027	
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OR FORCE	(mba)		DAY BULB	WET BULB	VIS. CODE									
							22	505	079			028	018	7	15								
MESSAGE TIME HR. 1/10	CASST 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 $\mu\text{g} \cdot \text{dl/l}$	TOTAL-P $\mu\text{g} \cdot \text{dl/l}$	NO ₂ -N $\mu\text{g} \cdot \text{dl/l}$	NO ₃ -N $\mu\text{g} \cdot \text{dl/l}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl/l}$	PH	S. CON.						
		STD	0000	0266	3001	2396	0039569	0000	14544	854													
080		OBS	0000	0266	30011	2396			14544	854													
		STD	0010	-0018	3289	2644	0015995	0028	14457	1017													
080		OBS	0010	-0018	32894	2644			14457	1017													
		STD	0020	-0106	3323	2675	0013073	0042	14423	949													
080		OBS	0020	-0106	33233	2675			14423	949													
		STD	0030	-0130	3324	2676	0012957	0055	14413	848													
080		OBS	0030	-0130	33238	2676			14413	848													
		STD	0050	-0119	3344	2692	0011429	0080	14424	773													
080		OBS	0050	-0119	33440	2692			14424	773													
		STD	0075	-0163	3350	2698	0010844	0108	14409	770													
080		OBS	0075	-0163	33498	2698			14409	770													
		STD	0100	-0168	3355	2702	0010415	0134	14411	765													
080		OBS	0100	-0168	33550	2702			14411	765													
		STD	0125	-0090	3366	2709	0009806	0159	14453	715													
		STD	0150	-0028	3377	2715	0009220	0183	14488	674													
080		OBS	0151	-0026	33774	2715			14489	673													
		STD	0200	0046	3398	2728	0008008	0226	14533	624													
080		OBS	0201	0047	33987	2729			14534	623													
		STD	0250	0123	3418	2739	0006994	0264	14579	598													
		STD	0300	0182	3434	2748	0006212	0297	14615	583													
080		OBS	T0300	0182	34344	2748			14615	583													
		STD	0400	0240	3455	2760	0005201	0354	14660	582													
080		OBS	T0401	0241	34554	2760			14661	582													
		STD	0500	0227	3458	2763	0004939	0405	14671	567													
080		OBS	T0503	0226	34577	2763			14671	566													
		STD	0600	0188	3457	2766	0004682	0453	14671	556													
080		OBS	T0605	0186	34570	2766			14671	555													
		STD	0700	0137	3454	2767	0004502	0499	14665	530													
		STD	0800	0070	3450	2768	0004275	0542	14651	503													
080		OBS	T0806	0065	34498	2769			14650	501													
080		OBS	T0825	0050	34490	2769			14646	481													

TABLE II.—Continued

REFERENCE CTRY CODE ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	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		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		WGS	028			0723	25	1		2	X2		6	8	0028
				WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS																
				WATER		BARO- METER (mb)		DRY BULB		WET BULB		VIS. CODE												
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	22	S08	103	028	018	7	15										
MESSING TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210?	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	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	CLD							
		STD	0000	0464	3045	2413	0037938	0000	14634	768														
106		OBS	0000	0464	30445	2413			14634	768														
		STD	0010	0029	3288	2640	0016314	0027	14478	988														
106		OBS	0010	0029	32880	2640			14478	988														
106		OBS	0019	-0065	33199	2670			14441	968														
		STD	0020	-0073	3321	2672	0013359	0042	14438	957														
106		OBS	0028	-0127	33304	2681			14415	882														
		STD	0030	-0131	3331	2682	0012402	0055	14414	870														
106		OBS	0047	-0154	33391	2689			14407	794														
		STD	0050	-0154	3340	2689	0011636	0079	14407	792														
106		OBS	0070	-0154	33464	2695			14411	775														
		STD	0075	-0151	3347	2695	0011090	0107	14414	771														
106		OBS	0093	-0127	33518	2698			14429	750														
		STD	0100	-0102	3356	2701	0010539	0134	14442	732														
		STD	0125	-0025	3370	2709	0009774	0160	14484	680														
106		OBS	T0136	0002	33753	2712			14499	663														
		STD	0150	0026	3382	2716	0009114	0183	14513	650														
106		OBS	0181	0075	33957	2724			14543	626														
		STD	0200	0099	3403	2729	0007958	0226	14557	617														
		STD	0250	0154	3419	2738	0007143	0264	14593	598														
106		OBS	0274	0177	34264	2742			14608	591														
		STD	0300	0206	3434	2746	0006436	0298	14626	588														
106		OBS	0369	0247	34490	2755			14657	578														
		STD	0400	0237	3452	2758	0005396	0357	14658	570														
106		OBS	T0463	0220	34551	2762			14662	559														
		STD	0500	0218	3455	2762	0005023	0409	14667	559														
106		OBS	T0559	0198	34560	2764			14668	553														
		STD	0600	0166	3455	2766	0004642	0457	14661	543														
106		OBS	T0658	0121	34526	2767			14650	524														
106		OBS	T0678	0106	34516	2767			14667	516														

REFERENCE CTRY CODE ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	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		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		WGS	029			0625	26	0		2	X2		6	8	0029
				WIND		AIR TEMP. °C		SPECIAL OBSERVATIONS																
				WATER		BARO- METER (mb)		DRY BULB		WET BULB		VIS. CODE												
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	22	S10	098	028	021	7	15										
MESSING TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-210?	$\Sigma \Delta \sigma$ DYN. M. $\times 10^3$	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	CLD							
		STD	0000	0377	3026	2407	0038525	0000	14595	796														
128		OBS	0000	0377	30263	2407			14595	796														
		STD	0010	-0037	3293	2648	0015642	0027	14449	977														
128		OBS	0011	-0061	33064	2659			14440	995														
		STD	0020	-0134	3323	2675	0013029	0041	14409	804														
128		OBS	0020	-0134	33228	2675			14409	804														
		STD	0030	-0134	3328	2679	0012624	0054	14412	792														
128		OBS	0031	-0134	33285	2680			14412	791														
		STD	0050	-0156	3339	2689	0011677	0079	14406	798														
128		OBS	0050	-0156	33394	2689			14406	798														
		STD	0075	-0151	3348	2696	0011036	0107	14414	789														
128		OBS	0076	-0151	33480	2696			14414	788														
		STD	0100	-0154	3353	2700	0010606	0134	14417	756														
128		OBS	0101	-0154	33533	2700			14418	754														
		STD	0125	-0084	3364	2707	0009981	0160	14456	709														
128		OBS	T0127	-0078	33647	2707			14459	705														
		STD	0150	-0007	3379	2715	0009170	0184	14498	662														
128		OBS	0152	-0002	33804	2716			14501	659														
		STD	0200	0085	3402	2729	0007943	0226	14551	616														
128		OBS	0203	0090	34029	2729			14554	614														
		STD	0250	0151	3419	2738	0007136	0264	14591	599														
		STD	0300	0199	3436	2748	0006251	0298	14623	582														
128		OBS	T0301	0200	34360	2748			14624	582														
128		OBS	T0399	0245	34538	2759			14662	581														
		STD	0400	0245	3454	2759	0005317	0355	14662	581														
128		OBS	T0491	0203	34548	2763			14659	548														
		STD	0500	0193																				
128		OBS	T0585	0148																				
128		OBS	0596	0149																				

TABLE II.—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 S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES		NODC STATION NUMBER
CTRY CODE	ID. ND.					10"	1"	MO		DAY	HR.1/10			CRUISE NO.	STATION NUMBER	DIR		HGT	PER	
3	11529	15	74140N	061010W	259	41	08	26	152	1969	WGS	030	0642	21	1	2	X2	6	8	0030
WATER		WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS											
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB														
				22	S06	129	032	024	7	15										
MESSENGER TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-x10 ³	$\Sigma \Delta D$ 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 CLC			
		STD	0000	0444	2983	2367	0042382	0000	14618	784										
	152	OBS	0000	0444	29831	2367			14618	784										
		STD	0010	0121	3265	2617	0018541	0030	14517	988										
	152	OBS	0010	0121	32653	2617			14517	988										
		STD	0020	-0063	3314	2665	0013947	0047	14441	1001										
	152	OBS	0020	-0063	33138	2665			14441	1001										
		STD	0030	-0137	3328	2680	0012592	0060	14410	840										
	152	OBS	0030	-0137	33283	2680			14410	840										
		STD	0050	-0145	3336	2686	0011951	0085	14411	806										
	152	OBS	0050	-0145	33362	2686			14411	806										
		STD	0075	-0151	3342	2691	0011474	0114	14413	884										
	152	OBS	0076	-0151	33425	2691			14413	887										
		STD	0100	-0114	3351	2697	0010880	0142	14436	754										
	152	OBS	0101	-0111	33512	2697			14438	750										
		STD	0125	-0013	3366	2705	0010136	0168	14489	676										
	152	OBS	0126	-0010	33667	2706			14491	674										
		STD	0150	0034	3381	2715	0009234	0192	14517	657										
	152	OBS	0152	0038	33823	2716			14519	656										
		STD	0200	0132	3407	2730	0007879	0235	14573	618										
	152	OBS	0202	0135	34080	2730			14575	617										
		STD	0250	0189	3425	2740	0006957	0272	14609	598										
		STD	0300	0222	3438	2748	0006268	0305	14633	581										
	152	OBS	0304	0223	34388	2749			14635	580										
		STD	0400	0209	3450	2758	0005336	0363	14646	555										
	152	OBS	T0403	0209	34499	2759			14646	554										
		STD	0500	0217	3457	2764	0004891	0414	14667	651										
	152	OBS	T0504	0217	34572	2764			14668	653										
		STD	0600	0152	3455	2767	0004523	0461	14655	649										
	152	OBS	T0608	0149	34549	2767			14655	649										
	152	OBS	T0633	0141	34546	2767			14655	544										

TABLE II.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER 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
311529	15		74180N	059550W	258	49	08	26	175	1969	WGS	031	0732		22	1	X		X2	6	8	0031	
						WATER		WIND		BARO-METER		AIR TEMP. °C											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
									14	S05	149	041	033	7	15								
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-X10 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	SiO ₄ -Si μg-at/l	pH	S.C.C.						
		STD	0000	0504	3068	2428	0036547	0000	14654	746													
175		OBS	0000	0504	30682	2428			14654	746													
		STD	0010	0100	3254	2609	0019287	0028	14506	949													
175		OBS	0010	0100	32539	2609			14506	949													
		STD	0020	-0046	3309	2660	0014417	0045	14448	990													
175		OBS	0020	-0046	33085	2660			14448	990													
		STD	0030	-0118	3324	2675	0013007	0058	14419	833													
175		OBS	0030	-0118	33236	2675			14419	833													
		STD	0050	-0137	3334	2684	0012142	0084	14414	779													
175		OBS	0051	-0138	33342	2684			14414	777													
		STD	0075	-0099	3346	2693	0011327	0113	14438	746													
175		OBS	0076	-0097	33468	2693			14439	744													
		STD	0100	-0016	3362	2702	0010433	0140	14483	682													
175		OBS	0102	-0010	33628	2703			14486	678													
		STD	0125	0035	3375	2710	0009697	0165	14512	662													
		STD	0150	0080	3387	2717	0009047	0189	14538	642													
175		OBS	T0152	0083	33884	2718			14540	640													
		STD	0200	0156	3411	2731	0007748	0231	14584	595													
175		OBS	0204	0161	34128	2732			14587	592													
		STD	0250	0191	3426	2741	0006898	0267	14610	579													
		STD	0300	0212	3437	2748	0006260	0300	14629	565													
175		OBS	T0305	0213	34383	2749			14630	564													
		STD	0400	0214	3450	2758	0005344	0358	14648	655													
175		OBS	T0406	0214	34504	2759			14649	658													
		STD	0500	0190	3453	2762	0004958	0410	14655	657													
175		OBS	T0505	0189	34534	2763			14655	654													
		STD	0600	0166	3454	2765	0004717	0458	14661	534													
175		OBS	T0606	0164	34545	2766			14661	530													
		STD	0700	0139	3454	2767	0004519	0504	14665	519													
175		OBS	T0706	0138	34540	2767			14666	517													
175		OBS	T0721	0135	34539	2767			14667	511													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER 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
311529	15		74290N	058470W	258	48	08	26	198	1969	WGS	032	0342		00	0	X		X2	6	8	0032	
						WATER		WIND		BARO-METER		AIR TEMP. °C											
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
									14	S05	149	041	033	7	12								
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME AND MALT-X10 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	SiO ₄ -Si μg-at/l	pH	S.C.C.						
		STD	0000	0469	3091	2449	0034505	0000	14643	791													
198		OBS	0000	0469	30907	2449			14643	791													
		STD	0010	0006	3287	2641	0016306	0025	14468	993													
198		OBS	0010	0006	32867	2641			14468	993													
		STD	0020	-0117	3322	2674	0013139	0040	14417	878													
198		OBS	0021	-0124	33242	2676			14414	870													
		STD	0030	-0142	3329	2680	0012525	0053	14408	836													
198		OBS	0031	-0143	33292	2680			14408	833													
		STD	0050	-0151	3336	2686	0011951	0077	14408	789													
198		OBS	0052	-0152	33361	2686			14408	786													
		STD	0075	-0134	3342	2691	0011522	0107	14421	766													
198		OBS	0077	-0130	33426	2691			14423	763													
		STD	0100	-0056	3360	2702	0010409	0134	14464	716													
198		OBS	0103	-0046	33622	2704			14470	711													
		STD	0125	0031	3369	2706	0010132	0160	14510	690													
198		OBS	T0130	0044	33714	2707			14517	684													
		STD	0150	0081	3388	2718	0008977	0184	14539	658													
198		OBS	0154	0087	33909	2720			14543	654													
		STD	0200	0138	3406	2729	0007997	0226	14575	632													
198		OBS	T0207	0145	34077	2730			14580	629													
		STD	0250	0166	3416	2735	0007459	0265	14597	618													
		STD	0300	0196	3428	2742	0006807	0300	14621	601													
198		OBS	T0306	0200	34292	2743			14623	599													
198		OBS	T0319	0209	34328	2745			14630	594													

TABLE II.—Continued

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER		
						10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA	
311529	1S		74298N	057470W		258	47	08	26	225	1969	WGS	033	0850		00	0	X		X2	6	8	0033
						WATER		WIND		AIR TEMP. °C		BARO- METER		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
							00	500	169	044	029	B	15										
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D CYN. 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	0362	3081	2452	0034269	0000	14596	863													
	225	OBS	0000	0362	30809	2452			14596	863													
		STD	0010	0340	3205	2552	0024736	0030	14605	977													
	225	OBS	0010	0340	32046	2552			14605	977													
		STD	0020	0067	3283	2635	0016872	0050	14497	1046													
	225	OBS	0020	0067	32832	2635			14497	1046													
		STD	0030	0099	3308	2652	0015177	0066	14516	951													
	225	OBS	0030	0099	33078	2652			14516	951													
		STD	0050	-0005	3335	2680	0012526	0094	14476	806													
	225	OBS	0050	-0005	33354	2680			14476	806													
		STD	0075	0002	3359	2699	0010752	0123	14487	723													
	225	OBS	0075	0002	33594	2699			14487	723													
		STD	0100	0017	3369	2706	0010062	0149	14499	694													
	225	OBS	0100	0018	33697	2707			14500	693													
		STD	0125	0049	3378	2712	0009547	0174	14519	662													
	225	OBS	0125	0071	3385	2716	0009144	0197	14534	634													
		STD	0150	0073	33863	2717			14536	631													
	225	OBS	T0153	0086	3400	2727	0008101	0240	14551	590													
		STD	0200	0087	34005	2728			14552	589													
	225	OBS	0200	0087	34005	2728			14552	589													
		STD	0250	0125	3412	2734	0007462	0279	14579	585													
	225	OBS	0250	0151	3422	2741	0006908	0315	14600	578													
		STD	0300	0152	34224	2741			14601	577													
	225	OBS	T0304	0161	3435	2750	0006033	0380	14623	551													
		STD	0400	0161	34355	2751			14623	550													
	225	OBS	T0403	0180	3447	2758	0005359	0437	14649	545													
		STD	0500	0180	34466	2758			14649	545													
	225	OBS	T0501	0191	3452	2762	0005081	0489	14671	544													
		STD	0600	0191	34524	2762			14672	544													
	225	OBS	T0602	0195	3454	2763	0005011	0539	14690	546													
		STD	0700	0195	3454	2763			14690	546													
	225	OBS	T0799	0198	34554	2764			14708	548													
		STD	0800	0198	3455	2764	0004977	0589	14708	548													
	225	OBS	T0831	0199	34555	2764			14714	550													

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER		
						10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA	
311529	1S		75570N	060470W		259	50	08	27	149	1969	WGS	034	0164		00	0	X		X2	4	8	0034
						WATER		WIND		AIR TEMP. °C		BARO- METER		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
							00	500	168	028	021	7	10										
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D CYN. 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	0192	2661	2130	0065005	0000	14465	841													
	149	OBS	0000	0192	26613	2130			14465	841													
		STD	0010	0218	3177	2540	0025871	0045	14548	1072													
	149	OBS	0010	0218	31771	2540			14548	1072													
		STD	0020	0044	3269	2624	0017874	0067	14484	1028													
	149	OBS	0020	0044	32685	2624			14484	1028													
		STD	0030	-0030	3293	2647	0015655	0084	14455	927													
	149	OBS	0030	-0030	32931	2647			14455	927													
		STD	0050	-0055	3320	2670	0013474	0113	14451	722													
	149	OBS	0050	-0055	33202	2670			14451	722													
		STD	0075	-0038	3343	2688	0011776	0145	14466	611													
	149	OBS	0075	-0038	33432	2688			14466	611													
		STD	0100	-0012	3357	2698	0010856	0173	14484	604													
	149	OBS	0100	-0012	33567	2698			14484	604													
		STD	0125	0017	3368	2705	0010157	0199	14503	594													
	149	OBS	0125	0017	33677	2705			14503	594													
		STD	0150		3375					589													
	149	OBS	0150		33750					589													
		STD	0155		33774					585													

TABLE II.—Continued

REFERENCE CITY CODE	IO. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES	NOOC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA				TYPE
311529	15		75450N	061020W	259	51	08	27	198	1969	WGS	035	0439		00	0	X		X1	6	7	0035
						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									
									00	S00	149	043	033	7	14							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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	0527	3058	2417	0037557	0000	14662	750												
198		OBS	0000	0527	30579	2417			14662	750												
		STD	0010	0479	3183	2521	0027684	0033	14661	886												
198		OBS	0010	0479	31827	2521			14661	886												
		STD	0020	0107	3284	2633	0017066	0055	14515	1023												
198		OBS	0020	0107	32836	2633			14515	1023												
		STD	0030	-0011	3310	2660	0014421	0071	14466	943												
198		OBS	0030	-0011	33103	2660			14466	943												
		STD	0050	-0053	3335	2682	0012350	0098	14454	652												
198		OBS	0051	-0054	33363	2683			14454	644												
		STD	0075	-0021	3353	2695	0011103	0127	14475	629												
198		OBS	0076	-0019	33536	2696			14476	628												
		STD	0100	0021	3367	2704	0010235	0153	14501	608												
198		OBS	0101	0023	33671	2704			14502	607												
		STD	0125	0054	3378	2711	0009576	0178	14521	601												
198		OBS	0127	0057	33786	2712			14523	600												
		STD	0150	0085	3388	2718	0009001	0201	14541	593												
198		OBS	0152	0087	33892	2719			14542	592												
		STD	0200	0122	3405	2729	0007961	0244	14568	584												
198		OBS	T0202	0123	34059	2730			14569	583												
		STD	0250	0158	3419	2738	0007172	0282	14594	566												
198		OBS	T0254	0160	34200	2738			14596	564												
		STD	0300	0176	3432	2747	0006346	0316	14612	540												
198		OBS	T0304	0177	34331	2748			14614	538												
		STD	0400	0197	3442	2753	0005802	0376	14640	529												
198		OBS	T0404	0197	34422	2753			14640	528												
198		OBS	0429		34424				523													

REFERENCE CITY CODE	IO. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLE'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES	NOOC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT PER	SEA				TYPE
311529	15		76050N	061500W	259	61	08	28	156	1969	WGS	036	0512		00	0	X		X1	6	7	0036
						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									
									08	S05	105	027	006	7	14							
MESSAGE TIME HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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	0127	2322	1862	0090790	0000	14390													
156		OBS	0000	0127	23217	1862			14390													
		STD	0010	0077	3218	2582	0021881	0056	14491													
156		OBS	0010	0077	32182	2582			14491													
		STD	0020	-0048	3283	2640	0016399	0075	14444													
156		OBS	0020	-0048	32825	2640			14444													
		STD	0030	-0098	3300	2656	0014855	0091	14425													
156		OBS	0030	-0098	33003	2656			14425													
		STD	0050	-0065	3325	2675	0013053	0119	14447													
156		OBS	0050	-0065	33252	2675			14447													
		STD	0075	-0044	3343	2688	0011789	0150	14463													
156		OBS	0075	-0044	33427	2688			14463													
		STD	0100	-0024	3355	2697	0010945	0178	14478													
156		OBS	0100	-0024	33548	2697			14478													
		STD	0125	0020	3368	2705	0010180	0205	14504													
156		OBS	0125	0020	33676	2705			14504													
		STD	0150	0041	3378	2712	0009485	0229	14520													
156		OBS	0150	0041	33782	2712			14520													
		STD	0200	0069	3391	2721	0008677	0275	14542													
156		OBS	T0203	0071	33922	2722			14544													
		STD	0250	0104	3405	2730	0007869	0316	14568													
156		OBS	T0250	0104	34047	2730			14568													
		STD	0300	0135	3418	2738	0007114	0354	14592													
156		OBS	T0300	0135	34177	2738			14592													
		STD	0400	0172	3442	2755	0005566	0417	14629													
156		OBS	T0400	0172	34424	2755			14629													
		STD	0500		3445																	
156		OBS	0500		34449																	

TABLE III. Observed and interpolated oceanographic data from stations taken by USCGC WEST-WIND, 21 September to 2 October 1969, prepared from NODC Listing No. 31-8160.

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARSOEN SQUARE		STATION TIME IGMT1		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'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
318160		WE	74440N	064050W	259	44	09	21	109	1969	WE2	001	0320		00	0	0		20		6		0001
						WATER		WIND			AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					CDLDR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB												
					DT	S	16	S10	012	000	-006	7	11										
MESSNGR 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 $\mu\text{g} - \text{dl/l}$	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 C						
	109	STD	0000	0085	3240	2599	0020264	0000	14496														
		OBS	0000	0085	32400	2599			14496														
		STD	0010	0085	3245	2603	0019881	0020	14498														
		OBS	0010	0085	32450	2603			14498														
		STD	0020	0080	3255	2611	0019091	0040	14499														
		OBS	0020	0080	32550	2611			14499														
		STD	0030	-0080	3318	2669	0013559	0056	14436														
		OBS	0030	-0080	33180	2669			14436														
		STD	0050	-0095	3336	2684	0012119	0082	14434														
		OBS	0050	-0095	33360	2684			14434														
		STD	0075	-0050	3353	2696	0010977	0110	14462														
		OBS	0075	-0050	33530	2696			14462														
		STD	0100	-0005	3375	2712	0009494	0136	14490														
		OBS	0100	-0005	33750	2712			14490														
		STD	0125	0040	3386	2719	0008888	0159	14516														
		OBS	0125	0040	33860	2719			14516														
		STD	0150	0075	3394	2723	0008485	0181	14537														
		OBS	0150	0075	33940	2723			14537														
		STD	0200	0134	3413	2735	0007439	0221	14575														
		OBS	0200	0134	34130	2735			14575														
		STD	0250	0175	3427	2743	0006698	0256	14603														
		OBS	0250	0175	34270	2743			14603														

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARSOEN SQUARE		STATION TIME IGMT1		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'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
318160		WE	74540N	064030W	259	44	09	21	124	1969	WE2	002	0230		00	2	0		26		6		0002
						WATER		WIND			AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					CDLDR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB												
					DT	S	32	S08	010	003	-003	7	10										
MESSNGR 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 $\mu\text{g} - \text{dl/l}$	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 C						
	124	STD	0000	0068	3250	2608	0019411	0000	14489														
		OBS	0000	0068	32500	2608			14489														
		STD	0010	0066	3255	2612	0019018	0019	14491														
		OBS	0010	0066	32550	2612			14491														
		STD	0020	0035	3295	2646	0015807	0037	14484														
		OBS	0020	0035	32950	2646			14484														
		STD	0030	-0041	3330	2678	0012789	0051	14455														
		OBS	0030	-0041	33300	2678			14455														
		STD	0050	-0056	3350	2694	0011192	0075	14455														
		OBS	0050	-0056	33500	2694			14455														
		STD	0075	-0018	3370	2709	0009820	0101	14479														
		OBS	0075	-0018	33700	2709			14479														
		STD	0100	0028	3377	2712	0009510	0125	14505														
		OBS	0100	0028	33770	2712			14505														
		STD	0125	0053	3389	2720	0008734	0148	14522														
		OBS	0125	0053	33890	2720			14522														
		STD	0150	0091	3399	2726	0008205	0169	14545														
		OBS	0150	0091	33990	2726			14545														
		STD	0200	0120	3406	2730	0007872	0210	14567														
		OBS	0200	0120	34060	2730			14567														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE NO.	STATION NUMBER					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
318160		WE	75049N	064040W	259	54	09	21	141	1969	WE2	003	0120		32	1	10		01		3		0003
						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	S	32	S10	000	008	-006	6	07										
					MESSNGR TIME OF HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \theta$ 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 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	0080	3240	2599	0020237	0000	14493										
							OBS 0000	0080	32400	2599			14493										
							STD 0010	0071	3244	2603	0019883	0020	14491										
							OBS 0010	0071	32440	2603			14491										
							STD 0020	0030	3303	2652	0015172	0038	14483										
							OBS 0020	0030	33030	2652			14483										
							STD 0030	-0040	3332	2679	0012640	0051	14456										
							OBS 0030	-0040	33320	2679			14456										
							STD 0050	-0040	3361	2702	0010417	0075	14463										
							OBS 0050	-0040	33610	2702			14463										
							STD 0075	0010	3376	2712	0009497	0099	14493										
							OBS 0075	0010	33760	2712			14493										
							STD 0100	0047	3385	2718	0009005	0123	14515										
							OBS 0100	0047	33850	2718			14515										
318160		WE	75140N	064040W	259	54	09	21	158	1969	WE2	004	0160		00	0	0	00	6	6		0004	
						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	S	32	S10	000	008	-006	7	08										
					MESSNGR TIME OF HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \theta$ 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 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	0080	3215	2579	0022143	0000	14490										
							OBS 0000	0080	32150	2579			14490										
							STD 0010	0070	3239	2599	0020259	0021	14490										
							OBS 0010	0070	32390	2599			14490										
							STD 0020	0063	3263	2619	0018390	0041	14492										
							OBS 0020	0063	32630	2619			14492										
							STD 0030	-0084	3322	2673	0013239	0056	14434										
							OBS 0030	-0084	33220	2673			14434										
							STD 0050	-0068	3351	2696	0011069	0081	14449										
							OBS 0050	-0068	33510	2696			14449										
							STD 0075	0002	3373	2710	0009686	0107	14489										
							OBS 0075	0002	33730	2710			14489										
							STD 0100	0028	3380	2715	0009282	0130	14506										
							OBS 0100	0028	33800	2715			14506										
							STD 0125	0055	3391	2722	0008593	0153	14524										
							OBS 0125	0055	33910	2722			14524										
318160		WE	75240N	064070W	259	54	09	21	171	1969	WE2	005	0150		00	0	0	00	6	6		0005	
						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	S	32	S10	993	008	-006	7	08										
					MESSNGR TIME OF HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \theta$ 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 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	0090	3246	2603	0019834	0000	14499										
							OBS 0000	0090	32460	2603			14499										
							STD 0010	0083	3247	2605	0019718	0020	14497										
							OBS 0010	0083	32470	2605			14497										
							STD 0020	0050	3295	2645	0015883	0038	14491										
							OBS 0020	0050	32950	2645			14491										
							STD 0030	-0076	3346	2692	0011430	0051	14441										
							OBS 0030	-0076	33460	2692			14441										
							STD 0050	-0086	3354	2699	0010773	0073	14441										
							OBS 0050	-0086	33540	2699			14441										
							STD 0075	-0022	3371	2710	0009725	0099	14477										
							OBS 0075	-0022	33710	2710			14477										
							STD 0100	0025	3384	2718	0008961	0122	14505										
							OBS 0100	0025	33840	2718			14505										
							STD 0125	0055	3390	2721	0008669	0144	14523										
							OBS 0125	0055	33900	2721			14523										

TABLE III.—Continued

REFERENCE CITY CODE	SHIP ID. NO. CODE	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		NODC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
318160	WE		75330N	064040W		259	54	09	21	190	1969	WE2	006	0450		00	0	0		00	6	7	0006
						WATER		WIND		BARO-		AIR TEMP. °C		VIS.		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS									
						DT	S	32	505	986	010	-003	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 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
	190	STD	0000	0080	3230	2591	0020999	0000	14492								
		OBS	0000	0080	32300	2591			14492								
		STD	0010	0073	3247	2605	0019664	0020	14493								
		OBS	0010	0073	32470	2605			14493								
		STD	0020	0055	3281	2633	0016976	0039	14491								
		OBS	0020	0055	32810	2633			14491								
		STD	0030	-0052	3324	2673	0013204	0054	14449								
		OBS	0030	-0052	33240	2673			14449								
		STD	0050	-0076	3343	2689	0011651	0079	14444								
		OBS	0050	-0076	33430	2689			14444								
		STD	0075	-0067	3358	2701	0010527	0106	14455								
		OBS	0075	-0067	33580	2701			14455								
		STD	0100	-0003	3373	2710	0009657	0132	14490								
		OBS	0100	-0003	33730	2710			14490								
		STD	0125	0041	3382	2715	0009198	0155	14516								
		OBS	0125	0041	33820	2715			14516								
		STD	0150	0064	3392	2722	0008570	0177	14532								
		OBS	0150	0064	33920	2722			14532								
		STD	0200	0103	3407	2732	0007682	0218	14560								
		OBS	0200	0103	34070	2732			14560								
		STD	0250	0152	3424	2742	0006750	0254	14592								
		OBS	0250	0152	34240	2742			14592								
		STD	0300	0175	3434	2748	0006187	0286	14612								
		OBS	0300	0175	34340	2748			14612								
		STD	0400	0184	3444	2756	0005544	0345	14634								
		OBS	0400	0184	34440	2756			14634								

REFERENCE CITY CODE	SHIP ID. NO. CODE	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		NODC STATION NUMBER	
						10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT
318160	WE		75440N	064040W		259	54	09	21	202	1969	WE2	007	0610		00	0	0		70	X	9	0007
						WATER		WIND		BARO-		AIR TEMP. °C		VIS.		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mba)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS									
						DT	S	00	500	991	010	-003	6	15									

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 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
	202	STD	0000	0060	3260	2616	0018607	0000	14487								
		OBS	0000	0060	32600	2616			14487								
		STD	0010	0052	3260	2617	0018564	0019	14485								
		OBS	0010	0052	32600	2617			14485								
		STD	0020	0040	3290	2642	0016214	0036	14485								
		OBS	0020	0040	32900	2642			14485								
		STD	0030	-0063	3327	2676	0012932	0051	14445								
		OBS	0030	-0063	33270	2676			14445								
		STD	0050	-0071	3348	2693	0011287	0075	14447								
		OBS	0050	-0071	33480	2693			14447								
		STD	0075	-0025	3365	2705	0010169	0102	14475								
		OBS	0075	-0025	33650	2705			14475								
		STD	0100	0007	3380	2716	0009173	0126	14496								
		OBS	0100	0007	33800	2716			14496								
		STD	0125	0053	3386	2718	0008962	0148	14522								
		OBS	0125	0053	33860	2718			14522								
		STD	0150	0062	3393	2723	0008482	0170	14531								
		OBS	0150	0062	33930	2723			14531								
		STD	0200	0103	3405	2730	0007833	0211	14560								
		OBS	0200	0103	34050	2730			14560								
		STD	0250	0154	3424	2742	0006765	0248	14593								
		OBS	0250	0154	34240	2742			14593								
		STD	0300	0180	3435	2749	0006151	0280	14615								
		OBS	0300	0180	34350	2749			14615								
		STD	0400	0190	3446	2757	0005443	0338	14637								
		OBS	0400	0190	34460	2757			14637								
		STD	0500	0164	3448	2760	0005115	0391	14642								
		OBS	0500	0164	34480	2760			14642								
		STD	0600	0137	3448	2762	0004924	0441	14647								
		OBS	0600	0137	34480	2762			14647								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METERS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
CTRY CODE	IQ. NO.					10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER			
318160	WE	75540N	064040W	259	54	09	21	215	1969	WE2	008	0600	06	0	2		71	7	8		0008
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE								
						DT	S	06	S16	983	-017		6	15							
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \sigma$ 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 $\mu\text{g} - \text{dl/l}$	Si O ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C				
215		STD	0000	-0018	3100	2491	0030498	0000	14429												
		OBS	0000	-0018	31000	2491			14429												
		STD	0010	0061	3200	2568	0023187	0027	14481												
		OBS	0010	0061	32000	2568			14481												
		STD	0020	0060	3250	2608	0019366	0048	14489												
		OBS	0020	0060	32500	2608			14489												
		STD	0030	-0025	3298	2651	0015301	0065	14458												
		OBS	0030	-0025	32980	2651			14458												
		STD	0050	-0050	3328	2676	0012898	0094	14454												
		OBS	0050	-0050	33280	2676			14454												
		STD	0075	-0052	3337	2684	0012192	0125	14459												
		OBS	0075	-0052	33370	2684			14459												
		STD	0100	-0018	3361	2702	0010500	0153	14482												
		OBS	0100	-0018	33610	2702			14482												
		STD	0125	0028	3374	2710	0009736	0179	14509												
		OBS	0125	0028	33740	2710			14509												
		STD	0150	0043	3380	2714	0009360	0203	14521												
		OBS	0150	0043	33800	2714			14521												
		STD	0200	0077	3395	2724	0008423	0247	14546												
		OBS	0200	0077	33950	2724			14546												
		STD	0250	0114	3413	2736	0007310	0286	14574												
		OBS	0250	0114	34130	2736			14574												
		STD	0300	0165	3428	2744	0006562	0321	14607												
		OBS	0300	0165	34280	2744			14607												
		STD	0400	0171	3441	2754	0005664	0382	14628												
		OBS	0400	0171	34410	2754			14628												
		STD	0500	0169	3448	2760	0005156	0436	14645												
		OBS	0500	0169	34480	2760			14645												
		STD	0600	0150	3448	2761	0005032	0487	14653												
		OBS	0600	0150	34480	2761			14653												

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METERS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CTRY CODE	IQ. NO.	10'	1'	MO	DAY	HR. 1/10	CRUISE NO.	STATION NUMBER	DIR		HGT	PER			SEA						
318160	WE	75530N	065150W	259	55	09	21	238	1969	WE2	009	0650	06	0	2		00	7	8		0009
						WATER		WIND		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OF FORCE	BARO-METER (mb)	DRY BULB	WET BULB	VIS. CODE								
						DT	S	06	S15	981	-021	-034	6	15							
MESSAGE TIME HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \sigma$ 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 $\mu\text{g} - \text{dl/l}$	Si O ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C				
238		STD	0000	-0010	3030	2435	0035893	0000	14423												
		OBS	0000	-0010	30300	2435			14423												
		STD	0010	-0010	3060	2459	0033586	0035	14429												
		OBS	0010	-0010	30600	2459			14429												
		STD	0020	0055	3220	2584	0021628	0062	14483												
		OBS	0020	0055	32200	2584			14483												
		STD	0030	-0040	3275	2633	0016999	0082	14448												
		OBS	0030	-0040	32750	2633			14448												
		STD	0050	-0072	3314	2666	0013884	0113	14442												
		OBS	0050	-0072	33140	2666			14442												
		STD	0075	-0061	3329	2678	0012767	0146	14453												
		OBS	0075	-0061	33290	2678			14453												
		STD	0100	-0039	3347	2691	0011473	0176	14470												
		OBS	0100	-0039	33470	2691			14470												
		STD	0125	-0003	3363	2702	0010413	0204	14493												
		OBS	0125	-0003	33630	2702			14493												
		STD	0150	0014	3371	2708	0009886	0229	14506												
		OBS	0150	0014	33710	2708			14506												
		STD	0200	0060	3391	2722	0008622	0275	14538												
		OBS	0200	0060	33910	2722			14538												
		STD	0250	0120	3406	2730	0007881	0316	14576												
		OBS	0250	0120	34060	2730			14576												
		STD	0300	0149	3424	2742	0006742	0353	14599												
		OBS	0300	0149	34240	2742			14599												
		STD	0400	0180	3443	2755	0005586	0415	14632												
		OBS	0400	0180	34430	2755			14632												
		STD	0500	0173	3449	2761	0005115	0468	14647												
		OBS	0500	0173	34490	2761			14647												
		STD	0600	0139	3449	2763	0004866	0518	14648												

TABLE III.—Continued

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS 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																																	
						10"	1"	MO		DAY	HR./1/10			CRUISE NO.	STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT																															
318160	WE		75420N	065200W	259	55	09	22	021	1969	WE2	010			06	0	2		00	7	8	0010																																
<table border="1"> <thead> <tr> <th colspan="3">WATER</th> <th colspan="3">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. IMI</th> <th>DIR.</th> <th>SPEED OR FORCE</th> <th>DRY BULB</th> <th>WET BULB</th> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>06</td> <td>S10</td> <td>972</td> <td>-006</td> <td>-011</td> <td>6</td> <td>14</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																							WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	DT	S	06	S10	972	-006	-011	6	14			
WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																											
COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	DRY BULB	WET BULB		DRY BULB	WET BULB																																														
DT	S	06	S10	972	-006	-011	6	14																																														
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ 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 C																																					
	021	STD	0000	0053	3265	2621	0018190	0000	14485																																													
		OBS	0000	0053	32650	2621			14485																																													
		STD	0010	0048	3266	2622	0018087	0018	14484																																													
		OBS	0010	0048	32660	2622			14484																																													
		STD	0020	0030	3292	2644	0016012	0035	14481																																													
		OBS	0020	0030	32920	2644			14481																																													
		STD	0030	-0063	3327	2676	0012932	0050	14445																																													
		OBS	0030	-0063	33270	2676			14445																																													
		STD	0050	-0076	3343	2689	0011651	0074	14444																																													
		OBS	0050	-0076	33430	2689			14444																																													
		STD	0075	-0036	3365	2706	0010120	0101	14470																																													
		OBS	0075	-0036	33650	2706			14470																																													
		STD	0100	0003	3375	2712	0009534	0126	14494																																													
		OBS	0100	0003	33750	2712			14494																																													
		STD	0125	0035	3385	2718	0008937	0149	14514																																													
		OBS	0125	0035	33850	2718			14514																																													
		STD	0150	0057	3389	2720	0008757	0171	14528																																													
		OBS	0150	0057	33890	2720			14528																																													
		STD	0200	0100	3405	2730	0007813	0213	14558																																													
		OBS	0200	0100	34050	2730			14558																																													
		STD	0250	0154	3424	2742	0006765	0249	14593																																													
		OBS	0250	0154	34240	2742			14593																																													
		STD	0300	0189	3436	2749	0006147	0281	14619																																													
		OBS	0300	0189	34360	2749			14619																																													
		STD	0400	0189	3443	2755	0005660	0340	14636																																													
		OBS	0400	0189	34430	2755			14636																																													
		STD	0500	0155	3447	2760	0005116	0394	14638																																													
		OBS	0500	0155	34470	2760			14638																																													

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS 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																																	
						10"	1"	MO		DAY	HR./1/10			CRUISE NO.	STATION NUMBER	DIR	HGT		PER	SEA		TYPE	AMT																															
318160	WE		75320N	065240W	259	55	09	22	038	1969	WE2	011			06	0	2		00	7	8	0011																																
<table border="1"> <thead> <tr> <th colspan="3">WATER</th> <th colspan="3">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. IMI</th> <th>DIR.</th> <th>SPEED OR FORCE</th> <th>DRY BULB</th> <th>WET BULB</th> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>06</td> <td>S10</td> <td>968</td> <td>-006</td> <td>-011</td> <td>6</td> <td>08</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																							WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DRY BULB	WET BULB	DT	S	06	S10	968	-006	-011	6	08			
WATER			WIND			BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																											
COLOR CODE	TRANS. IMI	DIR.	SPEED OR FORCE	DRY BULB	WET BULB		DRY BULB	WET BULB																																														
DT	S	06	S10	968	-006	-011	6	08																																														
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ 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 C																																					
	038	STD	0000	0080	3260	2615	0018713	0000	14496																																													
		OBS	0000	0080	32600	2615			14496																																													
		STD	0010	0068	3260	2616	0018647	0019	14492																																													
		OBS	0010	0068	32600	2616			14492																																													
		STD	0020	-0040	3325	2673	0013179	0035	14454																																													
		OBS	0020	-0040	33250	2673			14454																																													
		STD	0030	-0057	3333	2681	0012496	0047	14448																																													
		OBS	0030	-0057	33330	2681			14448																																													
		STD	0050	-0069	3357	2700	0010606	0071	14449																																													
		OBS	0050	-0069	33570	2700			14449																																													
		STD	0075	-0035	3381	2718	0008903	0095	14473																																													
		OBS	0075	-0035	33810	2718			14473																																													
		STD	0100	0030	3386	2719	0008836	0117	14507																																													
		OBS	0100	0030	33860	2719			14507																																													
		STD	0125	0045	3389	2721	0008688	0139	14519																																													
		OBS	0125	0045	33890	2721			14519																																													

TABLE III.—Continued

REFERENCE	SHIP CODE	SHIP NO.	LATITUDE 1/10	LONGITUDE 1/10	NODC NO. 1	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER		
						10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT PER	SEA					
318160	WE		75220N	065290W	259	55	09	22	054	1969	WE2	012	0200					85	7	9	0012		
						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	S	04	S11	961	-004	-011	6	10									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-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	Si O ₄ -Si μg - at/l	pH	S C C						
	054	STD	0000	0050	3250	2609	0019320	0000	14481														
		OBS	0000	0050	32500	2609			14481														
		STD	0010	0040	3253	2612	0019039	0019	14479														
		OBS	0010	0040	32530	2612			14479														
		STD	0020	-0060	3310	2662	0014249	0036	14442														
		OBS	0020	-0060	33100	2662			14442														
		STD	0030	-0115	3334	2683	0012219	0049	14421														
		OBS	0030	-0115	33340	2683			14421														
		STD	0050	-0081	3352	2697	0010944	0072	14443														
		OBS	0050	-0081	33520	2697			14443														
		STD	0075	-0019	3370	2709	0009815	0098	14479														
		OBS	0075	-0019	33700	2709			14479														
		STD	0100	0015	3377	2713	0009442	0122	14499														
		OBS	0100	0015	33770	2713			14499														
		STD	0125	0055	3390	2721	0008669	0145	14523														
		OBS	0125	0055	33900	2721			14523														
		STD	0150	0072	3394	2723	0008466	0166	14536														
		OBS	0150	0072	33940	2723			14536														
		STD	0200	0099	3400	2726	0008185	0208	14557														
		OBS	0200	0099	34000	2726			14557														

REFERENCE	SHIP CODE	SHIP NO.	LATITUDE 1/10	LONGITUDE 1/10	NODC NO. 1	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER		
						10'	1'	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT PER	SEA					
318160	WE		75110N	065340W	259	55	09	22	069	1969	WE2	013	0250					85	7	9	0013		
						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	S	04	S11	961	-004	-011	6	11									
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-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	Si O ₄ -Si μg - at/l	pH	S C C						
	069	STD	0000	0060	3220	2584	0021659	0000	14482														
		OBS	0000	0060	32200	2584			14482														
		STD	0010	0052	3238	2599	0020243	0021	14482														
		OBS	0010	0052	32380	2599			14482														
		STD	0020	-0100	3315	2668	0013728	0038	14424														
		OBS	0020	-0100	33150	2668			14424														
		STD	0030	-0121	3331	2681	0012431	0051	14418														
		OBS	0030	-0121	33310	2681			14418														
		STD	0050	-0096	3347	2693	0011273	0075	14436														
		OBS	0050	-0096	33470	2693			14436														
		STD	0075	-0028	3367	2707	0010003	0101	14474														
		OBS	0075	-0028	33670	2707			14474														
		STD	0100	0007	3382	2717	0009021	0125	14496														
		OBS	0100	0007	33820	2717			14496														
		STD	0125	0057	3391	2722	0008605	0147	14524														
		OBS	0125	0057	33910	2722			14524														
		STD	0150	0075	3397	2726	0008257	0168	14538														
		OBS	0150	0075	33970	2726			14538														
		STD	0200	0119	3408	2732	0007713	0208	14567														
		OBS	0200	0119	34080	2732			14567														
		STD	0250	0160	3421	2739	0007036	0245	14595														
		OBS	0250	0160	34210	2739			14595														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER 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	
318160	WE		75020N	065350W	259	55	09	22	084	1969	WE2	014	0310					85	8	7	0014	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbal)	DRY BULB	WET BULB										
						DT	S	05	S12	961	003	-002	12									
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 - 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	STATUS					
	084	STD	0000	0053	3226	2589	0021166	0000	14479													
		OBS	0000	0053	32260	2589			14479													
		STD	0010	0053	3240	2601	0020095	0021	14483													
		OBS	0010	0053	32400	2601			14483													
		STD	0020	-0100	3321	2672	0013268	0037	14425													
		OBS	0020	-0100	33210	2672			14425													
		STD	0030	-0120	3332	2682	0012357	0050	14419													
		OBS	0030	-0120	33320	2682			14419													
		STD	0050	-0102	3346	2693	0011330	0074	14433													
		OBS	0050	-0102	33460	2693			14433													
		STD	0075	-0071	3364	2706	0010053	0101	14454													
		OBS	0075	-0071	33640	2706			14454													
		STD	0100	0005	3379	2715	0009239	0125	14495													
		OBS	0100	0005	33790	2715			14495													
		STD	0125	0042	3390	2722	0008596	0147	14518													
		OBS	0125	0042	33900	2722			14518													
		STD	0150	0084	3398	2726	0008237	0168	14542													
		OBS	0150	0084	33980	2726			14542													
		STD	0200	0149	3418	2738	0007168	0206	14582													
		OBS	0200	0149	34180	2738			14582													
		STD	0250	0187	3430	2744	0006565	0241	14609													
		OBS	0250	0187	34300	2744			14609													
		STD	0300	0203	3440	2751	0005960	0272	14625													
		OBS	0300	0203	34400	2751			14625													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER 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	
318160	WE		74515N	065410W	259	45	09	22	100	1969	WE2	015	0410					85	7	7	0015	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbal)	DRY BULB	WET BULB										
						DT	S	05	S12	961	003	-002	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 - 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	STATUS					
	100	STD	0000	0045	3215	2581	0021967	0000	14474													
		OBS	0000	0045	32150	2581			14474													
		STD	0010	0044	3217	2583	0021806	0022	14475													
		OBS	0010	0044	32170	2583			14475													
		STD	0020	-0070	3310	2663	0014212	0040	14437													
		OBS	0020	-0070	33100	2663			14437													
		STD	0030	-0118	3335	2684	0012133	0053	14420													
		OBS	0030	-0118	33350	2684			14420													
		STD	0050	-0127	3350	2697	0010944	0076	14421													
		OBS	0050	-0127	33500	2697			14421													
		STD	0075	-0115	3358	2703	0010355	0103	14432													
		OBS	0075	-0115	33580	2703			14432													
		STD	0100	-0010	3375	2712	0009470	0128	14488													
		OBS	0100	-0010	33750	2712			14488													
		STD	0125	0052	3387	2719	0008880	0150	14522													
		OBS	0125	0052	33870	2719			14522													
		STD	0150	0086	3400	2727	0008097	0172	14543													
		OBS	0150	0086	34000	2727			14543													
		STD	0200	0140	3415	2736	0007330	0210	14577													
		OBS	0200	0140	34150	2736			14577													
		STD	0250	0185	3430	2744	0006549	0245	14608													
		OBS	0250	0185	34300	2744			14608													
		STD	0300	0204	3441	2752	0005893	0276	14626													
		OBS	0300	0204	34410	2752			14626													
		STD	0400	0203	3449	2758	0005326	0332	14643													
		OBS	0400	0203	34490	2758			14643													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	OBS. HOUR IN/OUT	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	ID. NO.					10'	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	1/10	
318160		WE	74415N	065490W		259	45	09	22	115	1969	WE2	016	0970					03	8	7	0016
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	S	10	S07	960	-006	-011	18															
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-1000	S 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	S C C					
115		STD	0000	0084	3200	2567	0023308	0000	14490													
		OBS	0000	0084	32000	2567			14490													
		STD	0010	0078	3200	2567	0023274	0023	14489													
		OBS	0010	0078	32000	2567			14489													
		STD	0020	-0098	3325	2676	0012968	0041	14427													
		OBS	0020	-0098	33250	2676			14427													
		STD	0030	-0117	3333	2683	0012289	0054	14420													
		OBS	0030	-0117	33330	2683			14420													
		STD	0050	-0139	3343	2691	0011446	0078	14415													
		OBS	0050	-0139	33430	2691			14415													
		STD	0075	-0143	3352	2699	0010729	0105	14418													
		OBS	0075	-0143	33520	2699			14418													
		STD	0100	-0100	3365	2708	0009857	0131	14444													
		OBS	0100	-0100	33650	2708			14444													
		STD	0125	-0017	3370	2709	0009812	0156	14488													
		OBS	0125	-0017	33700	2709			14488													
		STD	0150	0022	3388	2721	0008636	0179	14512													
		OBS	0150	0022	33880	2721			14512													
		STD	0200	0104	3406	2731	0007764	0220	14560													
		OBS	0200	0104	34060	2731			14560													
		STD	0250	0160	3428	2745	0006508	0256	14596													
		OBS	0250	0160	34280	2745			14596													
		STD	0300	0193	3445	2756	0005502	0286	14622													
		OBS	0300	0193	34450	2756			14622													
		STD	0400	0242	3455	2760	0005215	0339	14661													
		OBS	0400	0242	34550	2760			14661													
		STD	0500	0235	3455	2760	0005206	0391	14675													
		OBS	0500	0235	34550	2760			14675													
		STD	0600	0208	3453	2761	0005160	0443	14679													
		OBS	0600	0208	34530	2761			14679													
		STD	0700	0169	3451	2762	0005003	0494	14678													
		OBS	0700	0169	34510	2762			14678													
		STD	0800	0112	3449	2765	0004691	0542	14670													
		OBS	0800	0112	34490	2765			14670													
		STD	0900	0070	3448	2767	0004436	0588	14667													
		OBS	0900	0070	34480	2767			14667													

TABLE III.—Continued

REFERENCE CTRY CODE	SHIP COOE	LATITUDE 1°/10	LONGITUDE 1°/10	DRIFT INCLT	MARSGEN 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
					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER	SEA		TYPE	AMT	
318160	WE	74420N	067200W	259	47	09	22	159	1969	WE2	017	1010	32	1	2	00	6	8	0017			
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		SPECIAL OBSERVATIONS								
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		DRY BULB		WET BULB		VIS. CODE						
				DT		S		32		S10		968		-006		-011		7		19		
MESSNGR TIME HR. 1/10	CAST NO.	CARO 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 $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiD ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S C C					
159		STD	0000	0140	3224	2583	0021798	0000	14518													
		OBS	0000	0140	32240	2583			14518													
		STD	0010	0133	3244	2599	0020234	0021	14519													
		OBS	0010	0133	32440	2599			14519													
		STD	0020	-0063	3310	2662	0014238	0038	14441													
		OBS	0020	-0063	33100	2662			14441													
		STD	0030	-0130	3335	2685	0012098	0051	14415													
		OBS	0030	-0130	33350	2685			14415													
		STD	0050	-0150	3350	2697	0010879	0074	14411													
		OBS	0050	-0150	33500	2697			14411													
		STD	0075	-0164	3363	2708	0009828	0100	14410													
		OBS	0075	-0164	33630	2708			14410													
		STD	0100	-0152	3368	2712	0009461	0124	14420													
		OBS	0100	-0152	33680	2712			14420													
		STD	0125	-0139	3375	2717	0008949	0147	14432													
		OBS	0125	-0139	33750	2717			14432													
		STD	0150	-0060	3390	2727	0008085	0169	14475													
		OBS	0150	-0060	33900	2727			14475													
		STD	0200	0046	3410	2738	0007097	0207	14535													
		OBS	0200	0046	34100	2738			14535													
		STD	0250	0108	3424	2745	0006436	0240	14573													
		OBS	0250	0108	34240	2745			14573													
		STD	0300	0137	3433	2750	0005973	0272	14595													
		OBS	0300	0137	34330	2750			14595													
		STD	0400	0185	3450	2760	0005101	0327	14635													
		OBS	0400	0185	34500	2760			14635													
		STD	0500	0181	3453	2763	0004882	0377	14651													
		OBS	0500	0181	34530	2763			14651													
		STD	0600	0154	3452	2764	0004765	0425	14655													
		OBS	0600	0154	34520	2764			14655													
		STD	0700	0121	3450	2765	0004669	0472	14657													
		OBS	0700	0121	34500	2765			14657													
		STD	0800	0080	3449	2767	0004430	0518	14655													
		OBS	0800	0080	34490	2767			14655													
		STD	0900	0055	3447	2767	0004390	0562	14660													
		OBS	0900	0055	34470	2767			14660													
		STD	1000	0040	3447	2768	0004275	0605	14670													
		OBS	1000	0040	34470	2768			14670													

TABLE III.—Continued

REFERENCE	SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	MOON INDEX	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./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT																											
318160	WE	74520N	067150W	259	47	09	22	175	1969	WE2	018	1000	00	0	0	73	6	7	0018																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO- METER</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>METER</th> <th>(mbs)</th> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>00</td> <td>S00</td> <td>975</td> <td>-006</td> <td>-011</td> <td>7</td> <td>19</td> <td></td> <td></td> </tr> </tbody> </table>																				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	DT	S	00	S00	975	-006	-011	7	19		
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																																										
DT	S	00	S00	975	-006	-011	7	19																																									
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 $\mu g - at/l$	TOTAL-P $\mu g - at/l$	NO ₂ -N $\mu g - at/l$	NO ₃ -N $\mu g - at/l$	SI O ₄ -S $\mu g - at/l$	PH	S C C																																
175		STD	0000	0080	3202	2569	0023135	0000	14488																																								
		OBS	0000	0080	32020	2569			14488																																								
		STD	0010	0080	3205	2571	0022904	0023	14490																																								
		OBS	0010	0080	32050	2571			14490																																								
		STD	0020	-0120	3315	2668	0013667	0041	14415																																								
		OBS	0020	-0120	33150	2668			14415																																								
		STD	0030	-0157	3333	2684	0012180	0054	14402																																								
		OBS	0030	-0157	33330	2684			14402																																								
		STD	0050	-0155	3350	2698	0010866	0077	14408																																								
		OBS	0050	-0155	33500	2698			14408																																								
		STD	0075	-0163	3355	2702	0010445	0104	14409																																								
		OBS	0075	-0163	33550	2702			14409																																								
		STD	0100	-0152	3363	2708	0009845	0129	14420																																								
		OBS	0100	-0152	33630	2708			14420																																								
		STD	0125	-0145	3370	2713	0009313	0153	14428																																								
		OBS	0125	-0145	33700	2713			14428																																								
		STD	0150	-0087	3384	2723	0008431	0175	14461																																								
		OBS	0150	-0087	33840	2723			14461																																								
		STD	0200	0028	3403	2733	0007524	0215	14525																																								
		OBS	0200	0028	34030	2733			14525																																								
		STD	0250	0092	3421	2744	0006555	0250	14565																																								
		OBS	0250	0092	34210	2744			14565																																								
		STD	0300	0134	3435	2752	0005800	0281	14594																																								
		OBS	0300	0134	34350	2752			14594																																								
		STD	0400	0210	3450	2759	0005311	0337	14646																																								
		OBS	0400	0210	34500	2759			14646																																								
		STD	0500	0214	3455	2762	0005017	0389	14665																																								
		OBS	0500	0214	34550	2762			14665																																								
		STD	0600	0176	3455	2765	0004727	0437	14665																																								
		OBS	0600	0176	34550	2765			14665																																								
		STD	0700	0137	3453	2766	0004577	0484	14664																																								
		OBS	0700	0137	34530	2766			14664																																								
		STD	0800	0088	3450	2767	0004419	0529	14659																																								
		OBS	0800	0088	34500	2767			14659																																								
		STD	0900	0047	3448	2768	0004252	0572	14657																																								
		OBS	0900	0047	34480	2768			14657																																								
		STD	1000	0029	3448	2769	0004113	0614	14666																																								
		OBS	1000	0029	34480	2769			14666																																								

TABLE III.—Continued

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			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./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT	
318160	WE	75020N	067060W	259	57	09	22	1969	WE2	019		0510			32	1	2		00	6	7	0019		
						WATER		WIND		AIR TEMP. °C														
						COLOR	TRANS.	DIR.	SPEED	BARO-	DRY	WET	VIS.	NO.	SPECIAL									
						CODE	(m)		OR FORCE	METER	BULB	BULB	CODE	OBS.	OBSERVATIONS									
						DT	S	00	500	977	-006	-011	7	14										
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{10}^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 C							
	192	STD	0000	0065	3200	2568	0023210	0000	14481															
		OBS	0000	0065	32000	2568			14481															
		STD	0010	0050	3290	2641	0016266	0020	14488															
		OBS	0010	0050	32900	2641			14488															
		STD	0020	-0130	3323	2675	0013025	0034	14411															
		OBS	0020	-0130	33230	2675			14411															
		STD	0030	-0153	3336	2686	0011959	0047	14404															
		OBS	0030	-0153	33360	2686			14404															
		STD	0050	-0168	3346	2695	0011141	0070	14401															
		OBS	0050	-0168	33460	2695			14401															
		STD	0075	-0170	3354	2701	0010504	0097	14406															
		OBS	0075	-0170	33540	2701			14406															
		STD	0100	-0160	3365	2710	0009669	0122	14416															
		OBS	0100	-0160	33650	2710			14416															
		STD	0125	-0152	3371	2714	0009216	0146	14425															
		OBS	0125	-0152	33710	2714			14425															
		STD	0150	-0023	3395	2729	0007873	0167	14493															
		OBS	0150	-0023	33950	2729			14493															
		STD	0200	0123	3414	2736	0007287	0205	14570															
		OBS	0200	0123	34140	2736			14570															
		STD	0250	0174	3432	2747	0006313	0239	14603															
		OBS	0250	0174	34320	2747			14603															
		STD	0300	0208	3444	2754	0005700	0269	14628															
		OBS	0300	0208	34440	2754			14628															
		STD	0400	0230	3450	2757	0005484	0325	14655															
		OBS	0400	0230	34500	2757			14655															
		STD	0500	0195	3452	2761	0005076	0378	14657															
		OBS	0500	0195	34520	2761			14657															

REFERENCE CITY CODE	ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			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./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT	
318160	WE	75110N	067050W	259	57	09	22	1969	WE2	020		0440			00	0	0		01	6	6	0020		
						WATER		WIND		AIR TEMP. °C														
						COLOR	TRANS.	DIR.	SPEED	BARO-	DRY	WET	VIS.	NO.	SPECIAL									
						CODE	(m)		OR FORCE	METER	BULB	BULB	CODE	OBS.	OBSERVATIONS									
						DT	S	00	500	975	-022	-036	7	13										
MESSNGR TIME HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{10}^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 C							
	212	STD	0000	0020	3220	2586	0021469	0000	14463															
		OBS	0000	0020	32200	2586			14463															
		STD	0010	0010	3235	2599	0020274	0021	14462															
		OBS	0010	0010	32350	2599			14462															
		STD	0020	-0083	3312	2665	0014014	0038	14432															
		OBS	0020	-0083	33120	2665			14432															
		STD	0030	-0114	3336	2685	0012069	0051	14422															
		OBS	0030	-0114	33360	2685			14422															
		STD	0050	-0130	3343	2691	0011472	0075	14419															
		OBS	0050	-0130	33430	2691			14419															
		STD	0075	-0130	3357	2703	0010384	0102	14425															
		OBS	0075	-0130	33570	2703			14425															
		STD	0100	-0098	3365	2708	0009864	0127	14445															
		OBS	0100	-0098	33650	2708			14445															
		STD	0125	-0008	3377	2714	0009322	0151	14493															
		OBS	0125	-0008	33770	2714			14493															
		STD	0150	0010	3382	2717	0009028	0174	14506															
		OBS	0150	0010	33820	2717			14506															
		STD	0200	0127	3410	2733	0007617	0216	14571															
		OBS	0200	0127	34100	2733			14571															
		STD	0250	0160	3426	2743	0006659	0251	14596															
		OBS	0250	0160	34260	2743			14596															
		STD	0300	0192	3435	2748	0006247	0284	14620															
		OBS	0300	0192	34350	2748			14620															
		STD	0400	0193	3448	2758	0005318	0342	14639															
		OBS	0400	0193	34480	2758			14639															

TABLE III.—Continued

REFERENCE CTRY CODE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	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		NDDC STATION NUMBER			
					10"	1"	MD		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR		HGT	PER		SEA	TYPE	AMT
318160	WE	75220N	067020W	259	57	09	23	005	1969	WE2	021	0390		03	0	2		01	3	3	0021	
				WATER		WIND		BARO- METER		AIR TEMP. °C		SPECIAL OBSERVATIONS										
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	ND. OBS. DEPTHS										
				DT	S	03	S05	977	-022	-039	7	12										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ DYN. M. $\times 10^2$	SOUND VELOCITY	D ₂ ml/l	PD 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 CODE					
	005	STD	0000	0010	3238	2601	0020048	0000	14461													
		OBS	0000	0010	32380	2601			14461													
		STD	0010	0008	3242	2604	0019730	0020	14462													
		OBS	0010	0008	32420	2604			14462													
		STD	0020	-0102	3317	2669	0013568	0037	14424													
		OBS	0020	-0102	33170	2669			14424													
		STD	0030	-0121	3337	2686	0011971	0049	14419													
		OBS	0030	-0121	33370	2686			14419													
		STD	0050	-0114	3345	2692	0011367	0073	14427													
		OBS	0050	-0114	33450	2692			14427													
		STD	0075	-0126	3355	2701	0010550	0100	14427													
		OBS	0075	-0126	33550	2701			14427													
		STD	0100	-0066	3375	2715	0009222	0125	14462													
		OBS	0100	-0066	33750	2715			14462													
		STD	0125	0004	3384	2719	0008849	0147	14499													
		OBS	0125	0004	33840	2719			14499													
		STD	0150	0057	3396	2726	0008225	0169	14529													
		OBS	0150	0057	33960	2726			14529													
		STD	0200	0128	3411	2733	0007548	0208	14572													
		OBS	0200	0128	34110	2733			14572													
		STD	0250	0171	3425	2742	0006818	0244	14601													
		OBS	0250	0171	34250	2742			14601													
		STD	0300	0192	3435	2748	0006247	0277	14620													
		OBS	0300	0192	34350	2748			14620													

REFERENCE CTRY CODE	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	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		NDDC STATION NUMBER			
					10"	1"	MD		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR		HGT	PER		SEA	TYPE	AMT
318160	WE	75312N	065510W	259	55	09	23	021	1969	WE2	022	0350		03	0	2		01	X	2	0022	
				WATER		WIND		BARO- METER		AIR TEMP. °C		SPECIAL OBSERVATIONS										
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	ND. OBS. DEPTHS										
				DT	S	03	S10	988	-022	-039	7	12										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ DYN. M. $\times 10^2$	SOUND VELOCITY	D ₂ ml/l	PD 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 CODE					
	021	STD	0000	0025	3240	2602	0019963	0000	14468													
		OBS	0000	0025	32400	2602			14468													
		STD	0010	0020	3255	2614	0018791	0019	14470													
		OBS	0010	0020	32550	2614			14470													
		STD	0020	-0070	3302	2656	0014825	0036	14436													
		OBS	0020	-0070	33020	2656			14436													
		STD	0030	-0118	3334	2684	0012210	0050	14420													
		OBS	0030	-0118	33340	2684			14420													
		STD	0050	-0115	3346	2693	0011288	0073	14426													
		OBS	0050	-0115	33460	2693			14426													
		STD	0075	-0100	3359	2703	0010329	0100	14439													
		OBS	0075	-0100	33590	2703			14439													
		STD	0100	-0050	3375	2714	0009289	0125	14469													
		OBS	0100	-0050	33750	2714			14469													
		STD	0125	0027	3384	2718	0008969	0148	14510													
		OBS	0125	0027	33840	2718			14510													
		STD	0150	0062	3398	2727	0008103	0169	14532													
		OBS	0150	0062	33980	2727			14532													
		STD	0200	0138	3413	2734	0007467	0208	14576													
		OBS	0200	0138	34130	2734			14576													
		STD	0250	0181	3431	2746	0006442	0243	14606													
		OBS	0250	0181	34310	2746			14606													
		STD	0300	0210	3442	2752	0005867	0273	14629													
		OBS	0300	0210	34420	2752			14629													

TABLE III.—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 SAMPLES	WAVE OBSERVATIONS			WEATHER 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	
318160		WE	75390N	066460W	259	56	09	23	036	1969	WE 2	023	0500		04	0	2		00	3	3	0023	
						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	S	04	S08	984	-019	-031	7	14									
MESSNGR 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 $\mu\text{g} - \text{at/l}$	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	°C						
	036	STD	0000	0052	3254	2612	0019024	0000	14483														
		OBS	0000	0052	32540	2612			14483														
		STD	0010	0048	3257	2615	0018773	0019	14483														
		OBS	0010	0048	32570	2615			14483														
		STD	0020	-0028	3278	2635	0016821	0037	14453														
		OBS	0020	-0028	32780	2635			14453														
		STD	0030	-0049	3316	2667	0013827	0052	14450														
		OBS	0030	-0049	33160	2667			14450														
		STD	0050	-0049	3344	2689	0011678	0078	14457														
		OBS	0050	-0049	33440	2689			14457														
		STD	0075	-0021	3356	2698	0010874	0106	14476														
		OBS	0075	-0021	33560	2698			14476														
		STD	0100	-0060	3367	2708	0009858	0132	14463														
		OBS	0100	-0060	33670	2708			14463														
		STD	0125	-0014	3375	2713	0009445	0156	14490														
		OBS	0125	-0014	33750	2713			14490														
		STD	0150	0022	3385	2719	0008864	0179	14512														
		OBS	0150	0022	33850	2719			14512														
		STD	0200	0107	3405	2730	0007860	0220	14561														
		OBS	0200	0107	34050	2730			14561														
		STD	0250	0153	3422	2740	0006909	0257	14592														
		OBS	0250	0153	34220	2740			14592														
		STD	0300	0179	3433	2747	0006294	0290	14614														
		OBS	0300	0179	34330	2747			14614														
		STD	0400	0180	3445	2757	0005436	0349	14632														
		OBS	0400	0180	34450	2757			14632														
		STD	0500	0150	3447	2761	0005076	0402	14636														
		OBS	0500	0150	34470	2761			14636														

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 SAMPLES	WAVE OBSERVATIONS			WEATHER 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	
318160		WE	75495N	066452W	259	56	09	23	055	1969	WE 2	024	0190					00		0		0024	
						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	S	09	S01	984	-019	-031	09										
MESSNGR 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 $\mu\text{g} - \text{at/l}$	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	°C						
	055	STD	0000	-0035	3020	2427	0036576	0000	14410														
		OBS	0000	-0035	30200	2427			14410														
		STD	0010	-0015	3100	2491	0030502	0034	14432														
		OBS	0010	-0015	31000	2491			14432														
		STD	0020	0057	3202	2570	0023012	0060	14481														
		OBS	0020	0057	32020	2570			14481														
		STD	0030	0050	3247	2606	0019541	0082	14486														
		OBS	0030	0050	32470	2606			14486														
		STD	0050	-0055	3311	2663	0014178	0115	14450														
		OBS	0050	-0055	33110	2663			14450														
		STD	0075	-0059	3331	2679	0012622	0149	14455														
		OBS	0075	-0059	33310	2679			14455														
		STD	0100	-0046	3347	2691	0011443	0179	14467														
		OBS	0100	-0046	33470	2691			14467														
		STD	0125	-0027	3357	2699	0010756	0207	14481														
		OBS	0125	-0027	33570	2699			14481														
		STD	0150	-0010	3366	2705	0010145	0233	14495														
		OBS	0150	-0010	33660	2705			14495														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° ' 1/10	SOUNDING INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER 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
318160		WE	75484N	067240W		259	57	09	23	098	1969	WE2	025	0060					02	00		0025	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB											
						DT	S	04	S03	990	-039		05										
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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. CODE						
	098	STD	0000	-0020	3000	2411	0038160	0000	14414														
		OBS	0000	-0020	30000	2411			14414														
		STD	0010	0010	3075	2470	0032513	0035	14440														
		OBS	0010	0010	30750	2470			14440														
		STD	0020	0057	3195	2564	0023546	0063	14480														
		OBS	0020	0057	31950	2564			14480														
		STD	0030	0000	3257	2617	0018541	0084	14464														
		OBS	0030	0000	32570	2617			14464														
		STD	0050	-0055	3290	2646	0015784	0119	14447														
		OBS	0050	-0055	32900	2646			14447														

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° ' 1/10	SOUNDING INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER 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
318160		WE	75453N	067440W		259	57	09	23	105	1969	WE2	026	0210					02	00		0026	
						WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbars)	DRY BULB	WET BULB											
						DT	S	04	S03	996	000	-011	10										
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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. CODE						
	105	STD	0000	0030	3165	2542	0025717	0000	14460														
		OBS	0000	0030	31650	2542			14460														
		STD	0010	0046	3220	2585	0021587	0024	14477														
		OBS	0010	0046	32200	2585			14477														
		STD	0020	0046	3255	2613	0018913	0044	14483														
		OBS	0020	0046	32550	2613			14483														
		STD	0030	0015	3283	2637	0016624	0062	14475														
		OBS	0030	0015	32830	2637			14475														
		STD	0050	-0037	3324	2673	0013256	0092	14460														
		OBS	0050	-0037	33240	2673			14460														
		STD	0075	-0040	3345	2690	0011630	0123	14465														
		OBS	0075	-0040	33450	2690			14465														
		STD	0100	-0010	3366	2705	0010156	0150	14486														
		OBS	0100	-0010	33660	2705			14486														
		STD	0125	0027	3377	2712	0009502	0174	14509														
		OBS	0125	0027	33770	2712			14509														
		STD	0150	0049	3386	2718	0008938	0198	14524														
		OBS	0150	0049	33860	2718			14524														
		STD	0200	0068	3392	2722	0008595	0241	14542														
		OBS	0200	0068	33920	2722			14542														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER INDICATOR	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	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
318160		WE	75360N	067568W	259	57	09	23	121	1969	WE2	027	0260					03	27	0027	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						CDLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						OT	S	00	S00	995	-003	-019	11								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	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 ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C				
	121	STD	0000	0009	3253	2613	0018898	0000	14463												
		OBS	0000	0009	32530	2613			14463												
		STD	0010	0009	3253	2613	0018894	0019	14464												
		OBS	0010	0009	32530	2613			14464												
		STD	0020	-0050	3299	2653	0015128	0036	14445												
		OBS	0020	-0050	32990	2653			14445												
		STD	0030	-0110	3328	2678	0012694	0050	14423												
		OBS	0030	-0110	33280	2678			14423												
		STD	0050	-0080	3344	2690	0011559	0074	14443												
		OBS	0050	-0080	33440	2690			14443												
		STD	0075	-0050	3360	2702	0010443	0102	14463												
		OBS	0075	-0050	33600	2702			14463												
		STD	0100	0000	3374	2711	0009595	0127	14492												
		OBS	0100	0000	33740	2711			14492												
		STD	0125	0044	3384	2717	0009063	0150	14518												
		OBS	0125	0044	33840	2717			14518												
		STD	0150	0073	3397	2726	0008245	0172	14537												
		OBS	0150	0073	33970	2726			14537												
		STD	0200	0138	3414	2735	0007392	0211	14576												
		OBS	0200	0138	34140	2735			14576												
		STD	0250	0167	3426	2743	0006712	0246	14599												
		OBS	0250	0167	34260	2743			14599												

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER INDICATOR	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	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
318160		WE	75270N	068120W	259	58	09	23	135	1969	WE2	028	0310					02	27	0028	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						CDLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						DT	S	00	S00	995	-003	-019	12								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	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 ₂ -N μg - at/l	NO ₃ -N μg - at/l	SiO ₄ -Si μg - at/l	pH	S C C				
	135	STD	0000	0000	3268	2626	0017712	0000	14461												
		OBS	0000	0000	32680	2626			14461												
		STD	0010	0010	3275	2631	0017218	0017	14468												
		OBS	0010	0010	32750	2631			14468												
		STD	0020	-0056	3318	2668	0013652	0033	14445												
		OBS	0020	-0056	33180	2668			14445												
		STD	0030	-0090	3336	2684	0012146	0046	14433												
		OBS	0030	-0090	33360	2684			14433												
		STD	0050	-0090	3353	2698	0010835	0069	14439												
		OBS	0050	-0090	33530	2698			14439												
		STD	0075	-0037	3366	2706	0010040	0095	14470												
		OBS	0075	-0037	33660	2706			14470												
		STD	0100	0025	3373	2709	0009799	0120	14503												
		OBS	0100	0025	33730	2709			14503												
		STD	0125	0063	3393	2723	0008488	0143	14527												
		OBS	0125	0063	33930	2723			14527												
		STD	0150	0088	3400	2727	0008110	0163	14544												
		OBS	0150	0088	34000	2727			14544												
		STD	0200	0132	3414	2735	0007349	0202	14574												
		OBS	0200	0132	34140	2735			14574												
		STD	0250	0164	3427	2744	0006614	0237	14598												
		OBS	0250	0164	34270	2744			14598												
		STD	0300	0184	3436	2749	0006108	0269	14616												
		OBS	0300	0184	34360	2749			14616												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPLES	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
318160	WE		75170N	068240W	259	58	09	23	152	1969	WE2	029	0440					02	2	7		0029		
						WATER		WIND		BARD- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						CDLDR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB												
						DT	S	09	S02	994	-003	-039	13											
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	S Δ D DYN. M. $\times 10^3$	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	SiD ₄ -Si μg - at/l	pH	S C C							
	152	STD	0000	-0028	3270	2629	0017442	0000	14448															
		OBS	0000	-0028	32700	2629			14448															
		STD	0010	-0035	3274	2632	0017104	0017	14447															
		OBS	0010	-0035	32740	2632			14447															
		STD	0020	-0090	3320	2671	0013377	0033	14430															
		OBS	0020	-0090	33200	2671			14430															
		STD	0030	-0109	3336	2685	0012084	0045	14425															
		OBS	0030	-0109	33360	2685			14425															
		STD	0050	-0118	3344	2692	0011432	0069	14425															
		OBS	0050	-0118	33440	2692			14425															
		STD	0075	-0130	3355	2701	0010537	0096	14425															
		OBS	0075	-0130	33550	2701			14425															
		STD	0100	-0091	3366	2709	0009813	0122	14449															
		OBS	0100	-0091	33660	2709			14449															
		STD	0125	-0026	3378	2716	0009160	0145	14485															
		OBS	0125	-0026	33780	2716			14485															
		STD	0150	0022	3391	2724	0008408	0167	14513															
		OBS	0150	0022	33910	2724			14513															
		STD	0200	0088	3413	2738	0007129	0206	14554															
		OBS	0200	0088	34130	2738			14554															
		STD	0250	0140	3421	2741	0006889	0241	14587															
		OBS	0250	0140	34210	2741			14587															
		STD	0300	0187	3437	2750	0006056	0274	14618															
		OBS	0300	0187	34370	2750			14618															
		STD	0400	0192	3445	2756	0005535	0332	14638															
		OBS	0400	0192	34450	2756			14638															

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARS DEN SQUARE		STATION TIME (GMT)		YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPLES	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	
318160	WE		75070N	068350W	259	58	09	23	169	1969	WE2	030	0620					02	3	1		0030			
						WATER		WIND		BARD- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS									
						CDLDR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB													
						DT	S	17	S03	994	-019	-039	7	15											
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	S Δ D DYN. M. $\times 10^3$	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	SiD ₄ -Si μg - at/l	pH	S C C								
	169	STD	0000	-0030	3254	2616	0018658	0000	14445																
		OBS	0000	-0030	32540	2616			14445																
		STD	0010	-0035	3254	2616	0018634	0019	14444																
		OBS	0010	-0035	32540	2616			14444																
		STD	0020	-0085	3305	2659	0014543	0035	14430																
		OBS	0020	-0085	33050	2659			14430																
		STD	0030	-0119	3335	2684	0012130	0049	14420																
		OBS	0030	-0119	33350	2684			14420																
		STD	0050	-0119	3344	2692	0011429	0072	14424																
		OBS	0050	-0119	33440	2692			14424																
		STD	0075	-0123	3350	2697	0010942	0100	14427																
		OBS	0075	-0123	33500	2697			14427																
		STD	0100	-0148	3366	2710	0009626	0126	14422																
		OBS	0100	-0148	33660	2710			14422																
		STD	0125	0006	3375	2712	0009544	0150	14499																
		OBS	0125	0006	33750	2712			14499																
		STD	0150	0027	3380	2715	0009271	0173	14513																
		OBS	0150	0027	33800	2715			14513																
		STD	0200	0108	3410	2734	0007488	0215	14562																
		OBS	0200	0108	34100	2734			14562																
		STD	0250	0180	3431	2746	0006434	0250	14606																
		OBS	0250	0180	34310	2746			14606																
		STD	0300	0204	3440	2751	0005968	0281	14626																
		OBS	0300	0204	34400	2751			14626																
		STD	0400	0237	3452	2758	0005396	0338	14658																
		OBS	0400	0237	34520	2758			14658																
		STD	0500	0209	3455	2763	0004973	0390	14663																
		OBS	0500	0209	34550	2763			14663																
		STD	0600	0123	3454	2768	0004361	0436	14642																
		OBS	0600	0123	34540	2768			14642																

TABLE III.—Continued

REFERENCE		SHIP	LATITUDE	LONGITUDE	PACIFIC INDICATOR	MARSDEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAR. DEPTH OF SAMPLER	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES	NDOC 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		
318160		WE	74580N	068525W		259	48	09	23	188	1969	WE2	031		0930					02	3	3		0031
							WATER		WIND		BARO- METER		AIR TEMP. °C		VIS		ND. OBS. DEPTHS		SPECIAL OBSERVATIONS					
			COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		(mbs)		DRY BULB		WET BULB									
			DT		S		08		S05		996		-009		-028		7		18					
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ DYN. M. $\times 10^2$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} - \text{at/l}$	TOTAL-P $\mu\text{g} - \text{at/l}$	ND ₂ -N $\mu\text{g} - \text{at/l}$	ND ₃ -N $\mu\text{g} - \text{at/l}$	SI O ₂ -Si $\mu\text{g} - \text{at/l}$	pH								
	188	STD	0000	0002	3215	2583	0021772	0000	14454															
		OBS	0000	0002	32150	2583			14454															
		STD	0010	-0030	3268	2627	0017583	0020	14449															
		OBS	0010	-0030	32680	2627			14449															
		STD	0020	-0127	3324	2676	0012957	0035	14413															
		OBS	0020	-0127	33240	2676			14413															
		STD	0030	-0149	3344	2693	0011355	0047	14407															
		OBS	0030	-0149	33440	2693			14407															
		STD	0050	-0142	3345	2693	0011285	0070	14414															
		OBS	0050	-0142	33450	2693			14414															
		STD	0075	-0161	3355	2702	0010450	0097	14410															
		OBS	0075	-0161	33550	2702			14410															
		STD	0100	-0137	3363	2708	0009888	0122	14427															
		OBS	0100	-0137	33630	2708			14427															
		STD	0125	-0021	3377	2715	0009260	0146	14487															
		OBS	0125	-0021	33770	2715			14487															
		STD	0150	-0018	3381	2718	0008963	0169	14493															
		OBS	0150	-0018	33810	2718			14493															
		STD	0200	0027	3398	2729	0007898	0211	14524															
		OBS	0200	0027	33980	2729			14524															
		STD	0250	0072	3414	2739	0006955	0248	14555															
		OBS	0250	0072	34140	2739			14555															
		STD	0300	0100	3423	2745	0006465	0282	14577															
		OBS	0300	0100	34230	2745			14577															
		STD	0400	0219	3448	2756	0005539	0342	14650															
		OBS	0400	0219	34480	2756			14650															
		STD	0500	0226	3452	2759	0005349	0396	14670															
		OBS	0500	0226	34520	2759			14670															
		STD	0600	0207	3452	2760	0005226	0449	14679															
		OBS	0600	0207	34520	2760			14679															
		STD	0700	0170	3451	2762	0005011	0500	14679															
		OBS	0700	0170	34510	2762			14679															
		STD	0800	0132	3451	2765	0004711	0549	14679															
		OBS	0800	0132	34510	2765			14679															
		STD	0900	0100	3451	2767	0004460	0595	14681															
		OBS	0900	0100	34510	2767			14681															

TABLE III.—Continued

REFERENCE CITY CODE	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 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			
318160	WE	74480N	069060W	259	49	09	23	203	1969	WE2	032	1020						03	3 4		0032
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
				COLOR CODE	TRANS. (m)	DIR.	SPEED OF FDRCT	METER (mbars)		DRY BULB	WET BULB	VIS CODE									
				DT	S	00	S00	007	-009	-028	7	19									
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY-3107		$\Sigma \Delta \sigma$ DYN. M. x 10 ²	SOUND VELOCITY	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	SIO ₄ -Si µg - dl/l	pH	S C C			
203		STD	0000	0023	3217	2584	0021711		0000	14464											
		OBS	0000	0023	32170	2584				14464											
		STD	0010	0023	3270	2626	0017660		0020	14473											
		OBS	0010	0023	32700	2626				14473											
		STD	0020	-0085	3318	2670	0013547		0035	14432											
		OBS	0020	-0085	33180	2670				14432											
		STD	0030	-0127	3334	2684	0012183		0048	14416											
		OBS	0030	-0127	33340	2684				14416											
		STD	0050	-0155	3346	2694	0011173		0072	14408											
		OBS	0050	-0155	33460	2694				14408											
		STD	0075	-0142	3360	2705	0010119		0098	14420											
		OBS	0075	-0142	33600	2705				14420											
		STD	0100	-0128	3364	2708	0009840		0123	14431											
		OBS	0100	-0128	33640	2708				14431											
		STD	0125	-0126	3378	2719	0008761		0146	14438											
		OBS	0125	-0126	33780	2719				14438											
		STD	0150	0038	3391	2723	0008496		0168	14520											
		OBS	0150	0038	33910	2723				14520											
		STD	0200	0050	3405	2733	0007500		0208	14536											
		OBS	0200	0050	34050	2733				14536											
		STD	0250	0082	3425	2748	0006186		0242	14561											
		OBS	0250	0082	34250	2748				14561											
		STD	0300	0150	3440	2755	0005542		0271	14602											
		OBS	0300	0150	34400	2755				14602											
		STD	0400	0224	3454	2761	0005131		0325	14653											
		OBS	0400	0224	34540	2761				14653											
		STD	0500	0239	3455	2760	0005242		0377	14676											
		OBS	0500	0239	34550	2760				14676											
		STD	0600	0182	3455	2765	0004780		0427	14668											
		OBS	0600	0182	34550	2765				14668											
		STD	0700	0143	3452	2765	0004703		0474	14667											
		OBS	0700	0143	34520	2765				14667											
		STD	0800	0111	3450	2766	0004608		0521	14669											
		OBS	0800	0111	3455P	2770P															
		STD	0900	0088	3449	2766	0004509		0566	14676											
		OBS	0900	0088	34490	2766				14676											
		STD	1000	0070	3449	2768	0004371		0611	14684											
		OBS	1000	0070	34490	2768				14684											

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER 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		
318160		WE	74590N	070425W		260	40	09	24	002	1969	WE2	033	0820						70	6	8	0033	
						WATER		WIND		BARO-METER		AIR TEMP. °C				SPECIAL OBSERVATIONS								
						CDLR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS										
						DT	S	27	S12	004	-006	-006	7	17										
MESSNGR TIME OF 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	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	SCG							
	002	STD	0000	-0008	3250	2612	0019054	0000	14455															
		OBS	0000	-0008	32500	2612			14455															
		STD	0010	-0090	3300	2655	0014915	0017	14425															
		OBS	0010	-0090	33000	2655			14425															
		STD	0020	-0143	3337	2687	0011915	0030	14407															
		OBS	0020	-0143	33370	2687			14407															
		STD	0030	-0152	3348	2696	0011041	0042	14406															
		OBS	0030	-0152	33480	2696			14406															
		STD	0050	-0153	3360	2706	0010104	0063	14411															
		OBS	0050	-0153	33600	2706			14411															
		STD	0075	-0140	3366	2710	0009665	0088	14422															
		OBS	0075	-0140	33660	2710			14422															
		STD	0100	-0110	3376	2717	0008981	0111	14441															
		OBS	0100	-0110	33760	2717			14441															
		STD	0125	-0038	3387	2723	0008419	0133	14480															
		OBS	0125	-0038	33870	2723			14480															
		STD	0150	0027	3393	2725	0008283	0154	14515															
		OBS	0150	0027	33930	2725			14515															
		STD	0200	0075	3414	2739	0006970	0192	14548															
		OBS	0200	0075	34140	2739			14548															
		STD	0250	0115	3428	2748	0006182	0225	14576															
		OBS	0250	0115	34280	2748			14576															
		STD	0300	0149	3437	2753	0005761	0255	14601															
		OBS	0300	0149	34370	2753			14601															
		STD	0400	0168	3447	2759	0005188	0309	14627															
		OBS	0400	0168	34470	2759			14627															
		STD	0500	0156	3449	2762	0004974	0360	14639															
		OBS	0500	0156	34490	2762			14639															
		STD	0600	0133	3451	2765	0004667	0408	14646															
		OBS	0600	0133	34510	2765			14646															
		STD	0700	0090	3451	2768	0004344	0453	14643															
		OBS	0700	0090	34510	2768			14643															
		STD	0800	0034	3450	2771	0004000	0495	14635															
		OBS	0800	0034	34500	2771			14635															

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NOOC STATION NUMBER
CTRY CODE	IO. NO.					10'	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER			
318160	WE	75070N	070280W	260	50	09	24	1017	1969	WE2	034	0620						70	X	9	0034
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. UM	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						DT	S	00	S00	014	-006	-006	7					15			
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 $\mu\text{g} - \text{ml}^{-1}$	TOTAL-P $\mu\text{g} - \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} - \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} - \text{ml}^{-1}$	Si O ₄ -Si $\mu\text{g} - \text{ml}^{-1}$	pH	S C C			
		STD	0000	-0010	3255	2616	0018663		0000	14454											
	017	OBS	0000	-0010	32550	2616				14454											
		STD	0010	-0016	3264	2623	0017946		0018	14454											
		OBS	0010	-0016	32640	2623				14454											
		STD	0020	-0122	3323	2675	0013048		0034	14415											
		OBS	0020	-0122	33230	2675				14415											
		STD	0030	-0150	3349	2697	0010969		0046	14407											
		OBS	0030	-0150	33490	2697				14407											
		STD	0050	-0159	3357	2703	0010318		0067	14407											
		OBS	0050	-0159	33570	2703				14407											
		STD	0075	-0162	3366	2711	0009604		0092	14411											
		OBS	0075	-0162	33660	2711				14411											
		STD	0100	-0152	3372	2715	0009155		0115	14421											
		OBS	0100	-0152	33720	2715				14421											
		STD	0125	-0048	3386	2723	0008450		0137	14476											
		OBS	0125	-0048	33860	2723				14476											
		STD	0150	0007	3396	2728	0007947		0158	14507											
		OBS	0150	0007	33960	2728				14507											
		STD	0200	0083	3417	2741	0006794		0195	14552											
		OBS	0200	0083	34170	2741				14552											
		STD	0250	0128	3432	2750	0005971		0227	14583											
		OBS	0250	0128	34320	2750				14583											
		STD	0300	0155	3442	2756	0005429		0255	14604											
		OBS	0300	0155	34420	2756				14604											
		STD	0400	0206	3450	2759	0005277		0309	14645											
		OBS	0400	0206	34500	2759				14645											
		STD	0500	0193	3452	2761	0005059		0360	14656											
		OBS	0500	0193	34520	2761				14656											
		STD	0600	0128	3452	2766	0004551		0408	14644											
		OBS	0600	0128	34520	2766				14644											

REFERENCE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH IN METERS	MARS DEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NOOC STATION NUMBER	
CTRY CODE	IO. NO.	10'	1"	MO	DAY	HR.1/10	CRUISE NO.	STATION NUMBER	DIR		HGT	PER			SEA						
318160	WE	75160N	070070W	260	50	09	24	033	1969	WE2	035	0570						71	X	9	0035
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS					
						COLOR CODE	TRANS. UM	DIR.	SPEED OR FORCE	DRY BULB	WET BULB										
						DT	S	34	S10	005	-006	-006	14								
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 $\mu\text{g} - \text{ml}^{-1}$	TOTAL-P $\mu\text{g} - \text{ml}^{-1}$	NO ₂ -N $\mu\text{g} - \text{ml}^{-1}$	NO ₃ -N $\mu\text{g} - \text{ml}^{-1}$	Si O ₄ -Si $\mu\text{g} - \text{ml}^{-1}$	pH	S C C			
		STD	0000	-0010	3245	2608	0019428		0000	14453											
		OBS	0000	-0010	32450	2608				14453											
		STD	0010	-0013	3253	2614	0018799		0019	14454											
		OBS	0010	-0013	32530	2614				14454											
		STD	0020	-0024	3280	2636	0016685		0037	14455											
		OBS	0020	-0024	32800	2636				14455											
		STD	0030	-0147	3338	2688	0011821		0051	14407											
		OBS	0030	-0147	33380	2688				14407											
		STD	0050	-0158	3355	2702	0010475		0073	14407											
		OBS	0050	-0158	33550	2702				14407											
		STD	0075	-0129	3364	2708	0009851		0099	14427											
		OBS	0075	-0129	33640	2708				14427											
		STD	0100	-0095	3373	2714	0009264		0123	14448											
		OBS	0100	-0095	33730	2714				14448											
		STD	0125	-0023	3386	2722	0008564		0145	14487											
		OBS	0125	-0023	33860	2722				14487											
		STD	0150	0039	3398	2728	0007969		0166	14521											
		OBS	0150	0039	33980	2728				14521											
		STD	0200	0109	3417	2739	0006964		0203	14564											
		OBS	0200	0109	34170	2739				14564											
		STD	0250	0154	3431	2748	0006236		0236	14594											
		OBS	0250	0154	34310	2748				14594											
		STD	0300	0169	3440	2754	0005688		0266	14610											
		OBS	0300	0169	34400	2754				14610											
		STD	0400	0228	3450	2757	0005467		0322	14654											
		OBS	0400	0228	34500	2757				14654											
		STD	0500	0172	3451	2762	0004956		0374	14646											
		OBS	0500	0172	34510	2762				14646											

TABLE III.—Continued

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	PORT INDIC	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		
						10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA					TYPE	AMT
318160	WE		75250N	069480W		259	59	09	24	048	1969	WE2	036	0550							85	9			0036
				WATER		WIND		AIR TEMP. °C						SPECIAL OBSERVATIONS											
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS													
				DT	S	34	S10	955	-006	-006	14														
MESSAGE TIME HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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								
	048	STD	0000	-0023	3263	2623	0017998	0000	14449																
		OBS	0000	-0023	32630	2623			14449																
		STD	0010	-0024	3270	2628	0017454	0018	14452																
		OBS	0010	-0024	32700	2628			14452																
		STD	0020	-0110	3325	2676	0012930	0033	14421																
		OBS	0020	-0110	33250	2676			14421																
		STD	0030	-0145	3340	2689	0011673	0045	14408																
		OBS	0030	-0145	33400	2689			14408																
		STD	0050	-0150	3353	2700	0010649	0068	14411																
		OBS	0050	-0150	33530	2700			14411																
		STD	0075	-0155	3360	2706	0010082	0093	14414																
		OBS	0075	-0155	33600	2706			14414																
		STD	0100	-0122	3373	2715	0009170	0118	14435																
		OBS	0100	-0122	33730	2715			14435																
		STD	0125	-0064	3380	2719	0008840	0140	14467																
		OBS	0125	-0064	33800	2719			14467																
		STD	0150	-0020	3395	2729	0007887	0161	14494																
		OBS	0150	-0020	33950	2729			14494																
		STD	0200	0078	3414	2739	0006989	0198	14550																
		OBS	0200	0078	34140	2739			14550																
		STD	0250	0150	3427	2745	0006509	0232	14592																
		OBS	0250	0150	34270	2745			14592																
		STD	0300	0194	3442	2753	0005736	0262	14622																
		OBS	0300	0194	34420	2753			14622																
		STD	0400	0221	3450	2758	0005406	0318	14651																
		OBS	0400	0221	34500	2758			14651																
		STD	0500	0184	3452	2762	0004982	0370	14652																
		OBS	0500	0184	34520	2762			14652																

REFERENCE CTRY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	PORT INDIC	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		
						10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA					TYPE	AMT
318160	WE		75355N	069280W		259	59	09	24	063	1969	WE2	037	0490						85	9			0037	
				WATER		WIND		AIR TEMP. °C						SPECIAL OBSERVATIONS											
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO- METER (mb)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS													
				DT	S	34	S08	955	-006	-022	13														
MESSAGE TIME HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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								
	063	STD	0000	0000	3262	2621	0018170	0000	14460																
		OBS	0000	0000	32620	2621			14460																
		STD	0010	-0008	3275	2632	0017138	0018	14460																
		OBS	0010	-0008	32750	2632			14460																
		STD	0020	-0078	3326	2676	0012959	0033	14436																
		OBS	0020	-0078	33260	2676			14436																
		STD	0030	-0092	3335	2684	0012216	0045	14432																
		OBS	0030	-0092	33350	2684			14432																
		STD	0050	-0119	3350	2697	0010969	0068	14425																
		OBS	0050	-0119	33500	2697			14425																
		STD	0075	-0112	3363	2707	0009982	0095	14434																
		OBS	0075	-0112	33630	2707			14434																
		STD	0100	-0022	3379	2716	0009108	0119	14483																
		OBS	0100	-0022	33790	2716			14483																
		STD	0125	0013	3388	2722	0008591	0141	14504																
		OBS	0125	0013	33880	2722			14504																
		STD	0150	0054	3396	2726	0008207	0162	14528																
		OBS	0150	0054	33960	2726			14528																
		STD	0200	0100	3412	2736	0007283	0200	14559																
		OBS	0200	0100	34120	2736			14559																
		STD	0250	0145	3428	2746	0006397	0235	14590																
		OBS	0250	0145	34280	2746			14590																
		STD	0300	0183	3440	2753	0005798	0265	14617																
		OBS	0300	0183	34400	2753			14617																
		STD	0400	0196	3450	2760	0005192	0320	14640																
		OBS	0400	0196	34500	2760			14640																

TABLE III.—Continued

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH METER FOOT	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
					10'	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE	
318160	WE	75428N	069120W	259	59	09	24	095	1969	WE2	038	0360						85	7	8	0038
					WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB					WET BULB						
					DT	S	34	S08	002	-019	-025	12									
MESSENGER TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C				
	095	STD	0000	-0024	3265	2624	0017841	0000	14449												
		OBS	0000	-0024	32650	2624			14449												
		STD	0010	-0030	3304	2656	0014829	0016	14454												
		OBS	0010	-0030	33040	2656			14454												
		STD	0020	-0102	3333	2682	0012342	0030	14426												
		OBS	0020	-0102	33330	2682			14426												
		STD	0030	-0114	3344	2692	0011455	0042	14423												
		OBS	0030	-0114	33440	2692			14423												
		STD	0050	-0121	3356	2701	0010503	0064	14425												
		OBS	0050	-0121	33560	2701			14425												
		STD	0075	-0112	3363	2707	0009982	0089	14434												
		OBS	0075	-0112	33630	2707			14434												
		STD	0100	-0085	3374	2715	0009224	0113	14453												
		OBS	0100	-0085	33740	2715			14453												
		STD	0125	-0048	3382	2720	0008755	0136	14475												
		OBS	0125	-0048	33820	2720			14475												
		STD	0150	0040	3398	2728	0007975	0157	14522												
		OBS	0150	0040	33980	2728			14522												
		STD	0200	0115	3415	2737	0007156	0195	14566												
		OBS	0200	0115	34150	2737			14566												
		STD	0250	0171	3427	2743	0006667	0229	14601												
		OBS	0250	0171	34270	2743			14601												
		STD	0300	0186	3437	2750	0006048	0261	14617												
		OBS	0300	0186	34370	2750			14617												

REFERENCE CITY CODE	SHIP ID. NO. CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH METER FOOT	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
					10'	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE	
318160	WE	75510N	068500W	259	58	09	24	108	1969	WE2	039	0320						71	7	8	0039
					WATER		WIND		AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mb)	DRY BULB					WET BULB						
					DT	S	00	S00	016	-019	-028	12									
MESSENGER TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C				
	108	STD	0000	0047	3220	2585	0021595	0000	14476												
		OBS	0000	0047	32200	2585			14476												
		STD	0010	0045	3250	2609	0019292	0020	14480												
		OBS	0010	0045	32500	2609			14480												
		STD	0020	0015	3286	2640	0016398	0038	14473												
		OBS	0020	0015	32860	2640			14473												
		STD	0030	-0024	3306	2657	0014694	0054	14460												
		OBS	0030	-0024	33060	2657			14460												
		STD	0050	-0046	3332	2679	0012608	0081	14457												
		OBS	0050	-0046	33320	2679			14457												
		STD	0075	-0038	3351	2694	0011181	0111	14467												
		OBS	0075	-0038	33510	2694			14467												
		STD	0100	-0023	3362	2703	0010400	0138	14480												
		OBS	0100	-0023	33620	2703			14480												
		STD	0125	0010	3373	2710	0009717	0163	14501												
		OBS	0125	0010	33730	2710			14501												
		STD	0150	0028	3384	2718	0008972	0186	14514												
		OBS	0150	0028	33840	2718			14514												
		STD	0200	0097	3405	2731	0007794	0228	14557												
		OBS	0200	0097	34050	2731			14557												
		STD	0250	0149	3422	2741	0006879	0265	14591												
		OBS	0250	0149	34220	2741			14591												
		STD	0300	0173	3433	2748	0006247	0298	14611												
		OBS	0300	0173	34330	2748			14611												

TABLE III.—Continued

REFERENCE CTRY ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. 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		NOCC STATION NUMBER
					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318160	WE	76003N	068300W	259	68	09	24	122	1969	WE 7	040	0100						71	7	8	0040	
				WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
				COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE		DRY BULB	WET BULB	VIS. CODE											
				01	S	06	S16	022	-017	-028		06										

MESSAGE TIME HR 1/10	CAS 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 $\mu\text{g} - \text{dl/l}$	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 C
	122	STD	0000	-0020	3050	2451	0034324	0000	14421								
		OBS	0000	-0020	30500	2451			14421								
		STD	0010	-0030	3050	2451	0034282	0034	14418								
		OBS	0010	-0030	30500	2451			14418								
		STD	0020	0010	3180	2555	0024474	0064	14456								
		OBS	0020	0010	31800	2555			14456								
		STD	0030	0022	3235	2598	0020321	0086	14471								
		OBS	0030	0022	32350	2598			14471								
		STD	0050	-0023	3286	2641	0016219	0123	14461								
		OBS	0050	-0023	32860	2641			14461								
		STD	0075	-0048	3317	2667	0013736	0160	14458								
		OBS	0075	-0048	33170	2667			14458								

REFERENCE CTRY ID. NO.	SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	OBS. 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		NOCC STATION NUMBER
					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318160	WE	76082N	069200W	259	69	09	24	138	1969	WE 7	041	0170						01	7	7	0041	
				WATER		WIND		BARO- METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
				COLOR CODE	TRANS. mm	DIR.	SPEED OR FORCE		DRY BULB	WET BULB	VIS. CODE											
				01	S	06	S16	022	-017	-028		09										

MESSAGE TIME HR 1/10	CAS 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 $\mu\text{g} - \text{dl/l}$	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 C
	138	STD	0000	0020	3152	2532	0026667	0000	14454								
		OBS	0000	0020	31520	2532			14454								
		STD	0010	0015	3158	2537	0026182	0026	14454								
		OBS	0010	0015	31580	2537			14454								
		STD	0020	0015	3181	2555	0024419	0052	14459								
		OBS	0020	0015	31810	2555			14459								
		STD	0030	0032	3260	2618	0018460	0073	14479								
		OBS	0030	0032	32600	2618			14479								
		STD	0050	-0048	3319	2669	0013594	0105	14454								
		OBS	0050	-0048	33190	2669			14454								
		STD	0075	-0043	3350	2694	0011236	0136	14465								
		OBS	0075	-0043	33500	2694			14465								
		STD	0100	-0014	3364	2704	0010290	0163	14484								
		OBS	0100	-0014	33640	2704			14484								
		STD	0125	-0001	3369	2707	0009966	0188	14495								
		OBS	0125	-0001	33690	2707			14495								
		STD	0150	0010	3375	2711	0009561	0213	14505								
		OBS	0150	0010	33750	2711			14505								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1°/10	LONGITUDE 1°/10	DEPTH METERS	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	
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT
318160		WE	76000N	069470W	259	69	09	24	149	1969	WE2	042	0420						72	7	8		0042
						WATER		WIND		AIR TEMP. °C		VIS		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS CODE										
						DT	S	10	S16	024	-025	-031	13										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ 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.						
149		STD	0000	0003	3254	2614	0018795	0000	14460														
		OBS	0000	0003	32540	2614			14460														
		STD	0010	0002	3258	2618	0018481	0019	14462														
		OBS	0010	0002	32580	2618			14462														
		STD	0020	-0090	3325	2675	0012994	0034	14430														
		OBS	0020	-0090	33250	2675			14430														
		STD	0030	-0114	3336	2685	0012069	0047	14422														
		OBS	0030	-0114	33360	2685			14422														
		STD	0050	-0124	3350	2697	0010953	0070	14423														
		OBS	0050	-0124	33500	2697			14423														
		STD	0075	-0142	3354	2700	0010579	0097	14419														
		OBS	0075	-0142	33540	2700			14419														
		STD	0100	-0086	3368	2710	0009679	0122	14451														
		OBS	0100	-0086	33680	2710			14451														
		STD	0125	-0042	3385	2722	0008553	0145	14478														
		OBS	0125	-0042	33850	2722			14478														
		STD	0150	0050	3396	2726	0008184	0166	14526														
		OBS	0150	0050	33960	2726			14526														
		STD	0200	0114	3412	2735	0007377	0205	14565														
		OBS	0200	0114	34120	2735			14565														
		STD	0250	0164	3426	2743	0006689	0240	14598														
		OBS	0250	0164	34260	2743			14598														
		STD	0300	0182	3437	2750	0006016	0272	14616														
		OBS	0300	0182	34370	2750			14616														
		STD	0400	0187	3445	2756	0005493	0329	14636														
		OBS	0400	0187	34450	2756			14636														

REFERENCE		SHIP CODE	LATITUDE 1°/10	LONGITUDE 1°/10	DEPTH METERS	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		
CTRY CODE	ID. NO.					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TYPE		AMT	
318160		WE	75540N	070150W	260	50	09	24	173	1969	WE2	043	0500						70	3	6		0043	
						WATER		WIND		AIR TEMP. °C		VIS		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS CODE											
						DT	S	00	S00	032	-025	-031	7	14										
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ 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.							
173		STD	0000	-0007	3252	2613	0018905	0000	14455															
		OBS	0000	-0007	32520	2613			14455															
		STD	0010	-0014	3256	2617	0018566	0019	14454															
		OBS	0010	-0014	32560	2617			14454															
		STD	0020	-0065	3306	2659	0014537	0035	14439															
		OBS	0020	-0065	33060	2659			14439															
		STD	0030	-0138	3340	2689	0011692	0048	14412															
		OBS	0030	-0138	33400	2689			14412															
		STD	0050	-0126	3350	2697	0010947	0071	14422															
		OBS	0050	-0126	33500	2697			14422															
		STD	0075	-0133	3360	2705	0010145	0097	14424															
		OBS	0075	-0133	33600	2705			14424															
		STD	0100	-0072	3374	2714	0009275	0122	14459															
		OBS	0100	-0072	33740	2714			14459															
		STD	0125	0035	3388	2721	0008709	0144	14514															
		OBS	0125	0035	33880	2721			14514															
		STD	0150	0080	3395	2724	0008439	0166	14540															
		OBS	0150	0080	33950	2724			14540															
		STD	0200	0137	3414	2735	0007385	0205	14576															
		OBS	0200	0137	34140	2735			14576															
		STD	0250	0130	3425	2744	0006515	0240	14583															
		OBS	0250	0130	34250	2744			14583															
		STD	0300	0054	3425	2749	0006010	0271	14557															
		OBS	0300	0054	34250	2749			14557															
		STD	0400	-0029	3430	2758	0005132	0327	14536															
		OBS	0400	-0029	34300	2758			14536															
		STD	0500	-0028	3432	2759	0004969	0377	14554															
		OBS	0500	-0028	34320	2759			14554															

TABLE III.—Continued

REFERENCE CITY CODE	SHIP ID. NO.	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS 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. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER SEA				TYPE	AMT	
318160	WE		75465N	070420W	260	50	09	24	194	1969	WE2	044	0440					03	6	7	0044	
					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	S	16	S08	044	-012	-023	7	13									
MESSNGR TIME HR 1/10	CASST 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 $\mu\text{g} - \text{dl/l}$	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 D					
194		STD	0000	-0030	3262	2622	0018046	0000	14446													
		OBS	0000	-0030	32620	2622			14446													
		STD	0010	-0030	3290	2645	0015900	0017	14452													
		OBS	0010	-0030	32900	2645			14452													
		STD	0020	-0115	3345	2692	0011381	0031	14421													
		OBS	0020	-0115	33450	2692			14421													
		STD	0030	-0127	3353	2699	0010726	0042	14419													
		OBS	0030	-0127	33530	2699			14419													
		STD	0050	-0125	3362	2706	0010031	0062	14424													
		OBS	0050	-0125	33620	2706			14424													
		STD	0075	-0095	3373	2714	0009275	0087	14444													
		OBS	0075	-0095	33730	2714			14444													
		STD	0100	-0064	3382	2720	0008696	0109	14464													
		OBS	0100	-0064	33820	2720			14464													
		STD	0125	0048	3395	2725	0008249	0130	14521													
		OBS	0125	0048	33950	2725			14521													
		STD	0150	0070	3403	2731	0007771	0150	14536													
		OBS	0150	0070	34030	2731			14536													
		STD	0200	0032	3413	2741	0006788	0187	14529													
		OBS	0200	0032	34130	2741			14529													
		STD	0250	0046	3424	2749	0006035	0219	14545													
		OBS	0250	0046	34240	2749			14545													
		STD	0300	0042	3428	2752	0005708	0248	14552													
		OBS	0300	0042	34280	2752			14552													
		STD	0400	-0028	3432	2759	0004986	0302	14537													
		OBS	0400	-0028	34320	2759			14537													
318160	WE		75400N	071110W	260	51	09	24	238	1969	WE2	045	0470					70	6	8	0045	
					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	S	14	S10	052	-017	-022	7	13									
MESSNGR TIME HR 1/10	CASST 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 $\mu\text{g} - \text{dl/l}$	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 D					
238		STD	0000	-0020	3235	2600	0020152	0000	14447													
		OBS	0000	-0020	32350	2600			14447													
		STD	0010	-0022	3255	2616	0018609	0019	14450													
		OBS	0010	-0022	32550	2616			14450													
		STD	0020	-0112	3335	2684	0012157	0035	14421													
		OBS	0020	-0112	33350	2684			14421													
		STD	0030	-0121	3343	2691	0011511	0047	14420													
		OBS	0030	-0121	33430	2691			14420													
		STD	0050	-0127	3356	2702	0010484	0069	14422													
		OBS	0050	-0127	33560	2702			14422													
		STD	0075	-0110	3375	2716	0009070	0093	14437													
		OBS	0075	-0110	33750	2716			14437													
		STD	0100	-0072	3388	2726	0008205	0115	14461													
		OBS	0100	-0072	33880	2726			14461													
		STD	0125	0028	3395	2727	0008138	0135	14512													
		OBS	0125	0028	33950	2727			14512													
		STD	0150	0074	3398	2726	0008175	0155	14537													
		OBS	0150	0074	33980	2726			14537													
		STD	0200	0131	3419	2740	0006964	0193	14574													
		OBS	0200	0131	34190	2740			14574													
		STD	0250	0072	3420	2744	0006500	0227	14556													
		OBS	0250	0072	34200	2744			14556													
		STD	0300	0015	3422	2749	0006001	0258	14539													
		OBS	0300	0015	34220	2749			14539													
		STD	0400	0017	3435	2759	0005022	0313	14558													
		OBS	0400	0017	34350	2759			14558													

TABLE III.—Continued

REFERENCE CITY CODE	SHIP ID. NO.	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		NODC STATION NUMBER			
						10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT		
318160	WE		75320N	071350W		260	51	09	25	014	1969	WE2	046		0530						00	6	7		0046
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR	TRANS.	DIR.	SPEED OR FORCE	DRY	WET	WET	BULB	BULB	CODE										
						DT	S	14	S10	055	-017	-022	7	14											
MESSNGR TIME HR 1/10	CAST 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 $\mu\text{g} - \text{dl/l}$	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	ST C								
	014	STD	0000	0000	3230	2595	0020617	0000	14455																
		OBS	0000	0000	32300	2595			14455																
		STD	0010	-0014	3260	2620	0018260	0019	14455																
		OBS	0010	-0014	32600	2620			14455																
		STD	0020	-0125	3336	2685	0012042	0035	14415																
		OBS	0020	-0125	33360	2685			14415																
		STD	0030	-0140	3344	2692	0011379	0046	14411																
		OBS	0030	-0140	33440	2692			14411																
		STD	0050	-0144	3357	2703	0010359	0068	14414																
		OBS	0050	-0144	33570	2703			14414																
		STD	0075	-0118	3368	2711	0009579	0093	14432																
		OBS	0075	-0118	33680	2711			14432																
		STD	0100	-0095	3378	2718	0008881	0116	14449																
		OBS	0100	-0095	33780	2718			14449																
		STD	0125	0010	3395	2728	0008043	0137	14504																
		OBS	0125	0010	33950	2728			14504																
		STD	0150	0048	3397	2727	0008097	0157	14525																
		OBS	0150	0048	33970	2727			14525																
		STD	0200	0150	3420	2739	0007024	0195	14583																
		OBS	0200	0150	34200	2739			14583																
		STD	0250	0152	3428	2745	0006448	0229	14593																
		OBS	0250	0152	34280	2745			14593																
		STD	0300	0190	3445	2756	0005477	0259	14620																
		OBS	0300	0190	34450	2756			14620																
		STD	0400	0199	3450	2759	0005218	0312	14642																
		OBS	0400	0199	34500	2759			14642																
		STD	0500	0138	3451	2765	0004679	0362	14631																
		OBS	0500	0138	34510	2765			14631																

REFERENCE CITY CODE	SHIP ID. NO.	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		NODC STATION NUMBER			
						10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT	PER		SEA	TYPE		AMT		
318160	WE		75250N	072020W		260	52	09	25	028	1969	WE2	047		0570						73	3	8		0047
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIS.		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
						COLOR	TRANS.	DIR.	SPEED OR FORCE	DRY	WET	WET	BULB	BULB	CODE										
						DT	S	14	S08	051	-011	-011	4	14											
MESSNGR TIME HR 1/10	CAST 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 $\mu\text{g} - \text{dl/l}$	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	ST C								
	028	STD	0000	-0040	3260	2621	0018161	0000	14441																
		OBS	0000	-0040	32600	2621			14441																
		STD	0010	-0045	3260	2621	0018137	0018	14440																
		OBS	0010	-0045	32600	2621			14440																
		STD	0020	-0130	3327	2678	0012718	0034	14412																
		OBS	0020	-0130	33270	2678			14412																
		STD	0030	-0148	3347	2695	0011128	0045	14408																
		OBS	0030	-0148	33470	2695			14408																
		STD	0050	-0148	3358	2704	0010271	0067	14413																
		OBS	0050	-0148	33580	2704			14413																
		STD	0075	-0149	3362	2707	0009945	0092	14417																
		OBS	0075	-0149	33620	2707			14417																
		STD	0100	-0140	3368	2712	0009496	0116	14426																
		OBS	0100	-0140	33680	2712			14426																
		STD	0125	-0080	3384	2723	0008469	0139	14461																
		OBS	0125	-0080	33840	2723			14461																
		STD	0150	-0008	3393	2727	0008099	0160	14499																
		OBS	0150	-0008	33930	2727			14499																
		STD	0200	0090	3414	2738	0007066	0198	14555																
		OBS	0200	0090	34140	2738			14555																
		STD	0250	0130	3426	2745	0006439	0231	14583																
		OBS	0250	0130	34260	2745			14583																
		STD	0300	0160	3437	2752	0005845	0262	14606																
		OBS	0300	0160	34370	2752			14606																
		STD	0400	0227	3452	2759	0005308	0318	14654																
		OBS	0400	0227	34520	2759			14654																
		STD	0500	0168	3451	2763	0004923	0369	14645																
		OBS	0500	0168	34510	2763			14645																

TABLE III.-Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT DIRECTION	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NOOC STATION NUMBER
CTRY CODE	ID. NO.					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
318160	WE	75180N	072300W	260	52	09	25	040	1969	WE2	048	0550						85	8	6	0048
						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	5	14	S08	051	-011	-011	9	14							
MESSNGR TIME OF HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \theta$ OYN. 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.C.				
	040	STD	0000	-0033	3255	2617	0018570	0000	14444												
		OBS	0000	-0033	32550	2617			14444												
		STD	0010	-0037	3264	2624	0017861	0018	14445												
		OBS	0010	-0037	32640	2624			14445												
		STD	0020	-0125	3332	2682	0012348	0033	14415												
		OBS	0020	-0125	33320	2682			14415												
		STD	0030	-0147	3344	2692	0011361	0045	14408												
		OBS	0030	-0147	33440	2692			14408												
		STD	0050	-0150	3355	2701	0010496	0067	14411												
		OBS	0050	-0150	33550	2701			14411												
		STD	0075	-0148	3365	2710	0009718	0092	14418												
		OBS	0075	-0148	33650	2710			14418												
		STD	0100	-0120	3370	2713	0009406	0116	14436												
		OBS	0100	-0120	33700	2713			14436												
		STD	0125	-0072	3383	2722	0008578	0139	14464												
		OBS	0125	-0072	33830	2722			14464												
		STD	0150	-0010	3393	2727	0008089	0160	14498												
		OBS	0150	-0010	33930	2727			14498												
		STD	0200	0067	3410	2736	0007224	0198	14544												
		OBS	0200	0067	34100	2736			14544												
		STD	0250	0120	3427	2747	0006293	0232	14578												
		OBS	0250	0120	34270	2747			14578												
		STD	0300	0153	3436	2752	0005867	0262	14603												
		OBS	0300	0153	34360	2752			14603												
		STD	0400	0180	3447	2758	0005285	0318	14633												
		OBS	0400	0180	34470	2758			14633												
		STD	0500	0180	3452	2762	0004948	0369	14650												
		OBS	0500	0180	34520	2762			14650												
318160	WE	76599N	071340W	260	61	09	27	239	1969	WE2	049	0720					71	X	9	0049	
						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	5	00	S00	202	-017	-022	7	16							
MESSNGR TIME OF HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \theta$ OYN. 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.C.				
	239	STD	0000	-0010	3175	2551	0024784	0000	14443												
		OBS	0000	-0010	31750	2551			14443												
		STD	0010	-0020	3184	2559	0024050	0024	14441												
		OBS	0010	-0020	31840	2559			14441												
		STD	0020	-0023	3185	2560	0023957	0048	14442												
		OBS	0020	-0023	31850	2560			14442												
		STD	0030	-0020	3195	2568	0023198	0072	14446												
		OBS	0030	-0020	31950	2568			14446												
		STD	0050	-0012	3269	2627	0017565	0113	14464												
		OBS	0050	-0012	32690	2627			14464												
		STD	0075	-0025	3302	2654	0014979	0153	14466												
		OBS	0075	-0025	33020	2654			14466												
		STD	0100	-0040	3333	2680	0012538	0188	14468												
		OBS	0100	-0040	33330	2680			14468												
		STD	0125	-0040	3339	2685	0012071	0219	14473												
		OBS	0125	-0040	33390	2685			14473												
		STD	0150	-0040	3347	2691	0011452	0248	14478												
		OBS	0150	-0040	33470	2691			14478												
		STD	0200	-0010	3378	2715	0009220	0300	14505												
		OBS	0200	-0010	33780	2715			14505												
		STD	0250	0029	3390	2723	0008513	0344	14532												
		OBS	0250	0029	33900	2723			14532												
		STD	0300	0080	3417	2741	0006784	0382	14567												
		OBS	0300	0080	34170	2741			14567												
		STD	0400	0078	3431	2753	0005722	0445	14585												
		OBS	0400	0078	34310	2753			14585												
		STD	0500	0079	3437	2757	0005287	0500	14603												
		OBS	0500	0079	34370	2757			14603												
		STD	0600	0080	3439	2759	0005155	0552	14620												
		OBS	0600	0080	34390	2759			14620												
		STD	0700	0082	3442	2761	0004957	0603	14638												
		OBS	0700	0082	34420	2761			14638												

TABLE III.—Continued

REFERENCE CITY CODE	SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH METER	MARSSEN SQUARE				STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
					10'	1"	MO	DAY	HR./1/10	CRUISE NO.	STATION NUMBER		DR.	HGT			PER	SEA				
					WATER	WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE								NO. OBS. DEPTHS			
318160	WE	76510N	071580W	260	61	09	28		015	1969		WE2	050	0810							71	X 19
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
					DT	S	00	S00	208	-017	-022	7	17									

MESSNGR 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 C
	015	STD	0000	-0044	3285	2641	0016232	0000	14443								
		OBS	0000	-0044	32850	2641			14443								
		STD	0010	-0049	3285	2642	0016208	0016	14442								
		OBS	0010	-0049	32850	2642			14442								
		STD	0020	-0059	3287	2644	0016013	0032	14439								
		OBS	0020	-0059	32870	2644			14439								
		STD	0030	-0051	3316	2667	0013819	0047	14449								
		OBS	0030	-0051	33160	2667			14449								
		STD	0050	-0045	3332	2679	0012612	0074	14457								
		OBS	0050	-0045	33320	2679			14457								
		STD	0075	-0048	3348	2692	0011368	0104	14462								
		OBS	0075	-0048	3382P	2720P											
		STD	0100	-0048	3360	2702	0010442	0131	14468								
		OBS	0100	-0048	33600	2702			14468								
		STD	0125	-0009	3367	2706	0010079	0157	14491								
		OBS	0125	-0009	33670	2706			14491								
		STD	0150	0012	3374	2711	0009647	0181	14506								
		OBS	0150	0012	33740	2711			14506								
		STD	0200	0090	3404	2730	0007824	0225	14554								
		OBS	0200	0090	34040	2730			14554								
		STD	0250	0109	3412	2735	0007351	0263	14571								
		OBS	0250	0109	34120	2735			14571								
		STD	0300	0073	3417	2742	0006737	0298	14564								
		OBS	0300	0073	34170	2742			14564								
		STD	0400	0067	3430	2753	0005722	0360	14580								
		OBS	0400	0067	34300	2753			14580								
		STD	0500	0083	3438	2758	0005240	0415	14605								
		OBS	0500	0083	34380	2758			14605								
		STD	0600	0090	3441	2760	0005080	0467	14625								
		OBS	0600	0090	34410	2760			14625								
		STD	0700	0088	3445	2763	0004779	0516	14642								
		OBS	0700	0088	34450	2763			14642								
		STD	0800	0090	3445	2763	0004809	0564	14659								
		OBS	0800	0090	34450	2763			14659								

REFERENCE CITY CODE	SHIP CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DEPTH METER	MARSSEN SQUARE				STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER
					10'	1"	MO	DAY	HR./1/10	CRUISE NO.	STATION NUMBER		DR.	HGT			PER	SEA				
					WATER	WIND		BARO- METER (mbs)	AIR TEMP. °C		VIS. CODE								NO. OBS. DEPTHS			
318160	WE	76520N	072220W	260	62	09	28		028	1969		WE2	051	0360							01	X 19
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB											
					DT	S	19	S06	210	-039	-050	8	12									

MESSNGR 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 C
	028	STD	0000	-0074	3295	2651	0015357	0000	14430								
		OBS	0000	-0074	32950	2651			14430								
		STD	0010	-0070	3298	2653	0015136	0015	14434								
		OBS	0010	-0070	32980	2653			14434								
		STD	0020	-0062	3310	2662	0014241	0030	14441								
		OBS	0020	-0062	33100	2662			14441								
		STD	0030	-0057	3317	2668	0013720	0044	14446								
		OBS	0030	-0057	33170	2668			14446								
		STD	0050	-0068	3333	2681	0012445	0070	14447								
		OBS	0050	-0068	33330	2681			14447								
		STD	0075	-0056	3360	2702	0010418	0099	14460								
		OBS	0075	-0056	33600	2702			14460								
		STD	0100	-0043	3372	2711	0009548	0124	14472								
		OBS	0100	-0043	33720	2711			14472								
		STD	0125	-0064	3377	2716	0009069	0147	14467								
		OBS	0125	-0064	33770	2716			14467								
		STD	0150	-0008	3390	2724	0008327	0169	14499								
		OBS	0150	-0008	33900	2724			14499								
		STD	0200	0112	3409	2733	0007590	0208	14564								
		OBS	0200	0112	34090	2733			14564								
		STD	0250	0121	3420	2741	0006829	0244	14578								
		OBS	0250	0121	34200	2741			14578								
		STD	0300	0091	3424	2746	0006328	0277	14573								
		OBS	0300	0091	34240	2746			14573								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSQEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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	
318160	WE	76450N	073270W	260	163	09	28	048	1969	WE2	052	0160							70	7	5	0052	
				WATER		WIND		BARO-METER (mb)		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE													
				DT	S	19	S06	205	-039	-050	8	09											
MESSAGE TIME of HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \rho$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S/C						
048		STD	0000	-0154	3208	2583	0021819	0000	14380														
		OBS	0000	-0154	32080	2583			14380														
		STD	0010	-0156	3218	2591	0021037	0021	14383														
		OBS	0010	-0156	32180	2591			14383														
		STD	0020	-0158	3219	2592	0020947	0042	14383														
		OBS	0020	-0158	32190	2592			14383														
		STD	0030	-0150	3240	2608	0019341	0063	14392														
		OBS	0030	-0150	32400	2608			14392														
		STD	0050	-0111	3286	2645	0015899	0098	14420														
		OBS	0050	-0111	32860	2645			14420														
		STD	0075	-0100	3328	2678	0012702	0134	14435														
		OBS	0075	-0100	33280	2678			14435														
		STD	0100	-0084	3350	2695	0011063	0163	14450														
		OBS	0100	-0084	33500	2695			14450														
		STD	0125	-0069	3362	2704	0010193	0190	14463														
		OBS	0125	-0069	33620	2704			14463														
		STD	0150	-0017	3390	2725	0008283	0213	14495														
		OBS	0150	-0017	33900	2725			14495														

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METER	MARSQEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS				WEATHER 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	
318160	WE	75426N	074100W	260	54	09	28	067	1969	WE2	053	0450											0053
				WATER		WIND		BARO-METER (mb)		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
				COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	VIS. CODE													
				DT	S	00	S00	216	-039	-050	8	13											
MESSAGE TIME of HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^2	$\Sigma \Delta \rho$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S/C						
067		STD	0000	-0150	3130	2519	0027831	0000	14371														
		OBS	0000	-0150	31300	2519			14371														
		STD	0010	-0150	3200	2576	0022434	0025	14383														
		OBS	0010	-0150	32000	2576			14383														
		STD	0020	-0138	3230	2600	0020146	0046	14394														
		OBS	0020	-0138	32300	2600			14394														
		STD	0030	-0125	3269	2631	0017176	0065	14408														
		OBS	0030	-0125	32690	2631			14408														
		STD	0050	-0128	3282	2642	0016156	0098	14411														
		OBS	0050	-0128	32820	2642			14411														
		STD	0075	-0093	3302	2657	0014716	0137	14435														
		OBS	0075	-0093	33020	2657			14435														
		STD	0100	-0116	3332	2682	0012328	0171	14432														
		OBS	0100	-0116	33320	2682			14432														
		STD	0125	-0102	3370	2712	0009456	0198	14448														
		OBS	0125	-0102	33700	2712			14448														
		STD	0150	-0061	3375	2715	0009225	0221	14472														
		OBS	0150	-0061	33750	2715			14472														
		STD	0200	0076	3400	2728	0008038	0265	14547														
		OBS	0200	0076	34000	2728			14547														
		STD	0250	0022	3404	2734	0007410	0303	14531														
		OBS	0250	0022	34040	2734			14531														
		STD	0300	0045	3422	2747	0006181	0337	14552														
		OBS	0300	0045	34220	2747			14552														
		STD	0400	0024	3432	2757	0005292	0395	14561														
		OBS	0400	0024	34320	2757			14561														

TABLE III.—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 SAMPLE'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE NO.	STATION NUMBER					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
318160	WE		76408N	074490W	260	64	09	28	088	1969	WE2	054	0470					01	7	7	0054
						WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbs)	DRY BULB	WET BULB	VIS CODE	NO. OBS. DEPTHS							
						DT	S	00	S00	216	-034	-050	8	13							
MESSNGR TIME OF 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 $\mu\text{g} - \text{dl/l}$	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				
	088	STD	0000	-0130	3140	2527	0027101	0000	14382												
		OBS	0000	-0130	31400	2527			14382												
		STD	0010	-0152	3146	2532	0026585	0027	14374												
		OBS	0010	-0152	31460	2532			14374												
		STD	0020	-0146	3175	2556	0024356	0052	14383												
		OBS	0020	-0146	31750	2556			14383												
		STD	0030	-0133	3208	2582	0021840	0075	14395												
		OBS	0030	-0133	32080	2582			14395												
		STD	0050	-0117	3249	2615	0018719	0116	14412												
		OBS	0050	-0117	32490	2615			14412												
		STD	0075	-0108	3294	2651	0015279	0158	14427												
		OBS	0075	-0108	32940	2651			14427												
		STD	0100	-0102	3317	2669	0013523	0194	14437												
		OBS	0100	-0102	33170	2669			14437												
		STD	0125	-0095	3342	2689	0011622	0226	14448												
		OBS	0125	-0095	33420	2689			14448												
		STD	0150	-0094	3343	2690	0011537	0255	14452												
		OBS	0150	-0094	33430	2690			14452												
		STD	0200	-0072	3394	2730	0007711	0303	14478												
		OBS	0200	-0072	33940	2730			14478												
		STD	0250	-0044	3412	2744	0006453	0338	14502												
		OBS	0250	-0044	34120	2744			14502												
		STD	0300	-0032	3420	2750	0005894	0369	14517												
		OBS	0300	-0032	34200	2750			14517												
		STD	0400	-0008	3430	2757	0005251	0425	14546												
		OBS	0400	-0008	34300	2757			14546												
		STD	0500	0015	3433	2758	0005155	0477	14573												
		OBS	0500	0015	34330	2758			14573												

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 SAMPLE'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER
CRUISE NO.	STATION NUMBER					10"	1"	MO	DAY		HR./10	CRUISE NO.			STATION NUMBER	DIR.	HGT		PER	SEA	
318160	WE		76372N	075360W	260	65	09	28	105	1969	WE2	055	0430					02	7	7	0055
						WATER		WIND		BARO-METER		AIR TEMP. °C		SPECIAL OBSERVATIONS							
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbs)	DRY BULB	WET BULB	VIS CODE	NO. OBS. DEPTHS							
						DT	S	23	S04	231	-034	-050	8	13							
MESSNGR TIME OF 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 $\mu\text{g} - \text{dl/l}$	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				
	105	STD	0000	-0148	3160	2544	0025525	0000	14377												
		OBS	0000	-0148	31600	2544			14377												
		STD	0010	-0152	3168	2550	0024892	0025	14377												
		OBS	0010	-0152	31680	2550			14377												
		STD	0020	-0155	3175	2556	0024338	0050	14379												
		OBS	0020	-0155	31750	2556			14379												
		STD	0030	-0150	3237	2606	0019572	0072	14391												
		OBS	0030	-0150	32370	2606			14391												
		STD	0050	-0121	3265	2628	0017480	0109	14412												
		OBS	0050	-0121	32650	2628			14412												
		STD	0075	-0102	3298	2654	0014992	0149	14430												
		OBS	0075	-0102	32980	2654			14430												
		STD	0100	-0090	3330	2679	0012570	0184	14444												
		OBS	0100	-0090	33300	2679			14444												
		STD	0125	-0067	3355	2699	0010736	0213	14463												
		OBS	0125	-0067	33550	2699			14463												
		STD	0150	-0082	3362	2705	0010131	0239	14461												
		OBS	0150	-0082	33620	2705			14461												
		STD	0200	-0068	3391	2728	0007957	0284	14480												
		OBS	0200	-0068	33910	2728			14480												
		STD	0250	-0047	3412	2744	0006439	0320	14501												
		OBS	0250	-0047	34120	2744			14501												
		STD	0300	-0035	3422	2751	0005727	0351	14516												
		OBS	0300	-0035	34220	2751			14516												
		STD	0400	-0028	3431	2758	0005062	0405	14537												
		OBS	0400	-0028	34310	2758			14537												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
318160		WE	76120N	074360W		260	64	09	28	145	1969	WE2	056	027					02	7	7	0056
		WATER		WIND		BARO-METER		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	S	00	S00	244	-022	-031	11													
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{10}^0	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S.C.C.					
	145	STD	0000	-0088	3255	2619	0018378	0000	14418													
		OBS	0000	-0088	32550	2619			14418													
		STD	0010	-0102	3262	2625	0017792	0018	14414													
		OBS	0010	-0102	32620	2625			14414													
		STD	0020	-0109	3264	2627	0017612	0036	14413													
		OBS	0020	-0109	32640	2627			14413													
		STD	0030	-0105	3268	2630	0017310	0053	14417													
		OBS	0030	-0105	32680	2630			14417													
		STD	0050	-0097	3312	2665	0013951	0085	14430													
		OBS	0050	-0097	33120	2665			14430													
		STD	0075	-0100	3333	2682	0012319	0117	14436													
		OBS	0075	-0100	33330	2682			14436													
		STD	0100	-0088	3344	2691	0011507	0147	14447													
		OBS	0100	-0088	33440	2691			14447													
		STD	0125	-0120	3355	2701	0010541	0175	14438													
		OBS	0125	-0120	33550	2701			14438													
		STD	0150	-0115	3364	2708	0009856	0200	14446													
		OBS	0150	-0115	33640	2708			14446													
		STD	0200	0002	3395	2728	0007990	0245	14512													
		OBS	0200	0002	33950	2728			14512													
		STD	0250	0043	3406	2735	0007382	0283	14541													
		OBS	0250	0043	34060	2735			14541													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSOEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR. 1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER				SEA
318160		WE	76170N	074020W		260	64	09	28	166	1969	WE2	057	0420					02	6	8	0057
		WATER		WIND		BARO-METER		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	S	00	S00	255	-022	-031	7	13												
MESSAGE TIME OF HR 1/10	CARD NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{10}^0	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S.C.C.					
	166	STD	0000	-0145	3250	2616	0018608	0000	14391													
		OBS	0000	-0145	32500	2616			14391													
		STD	0010	-0105	3277	2637	0016633	0018	14415													
		OBS	0010	-0105	32770	2637			14415													
		STD	0020	-0093	3283	2642	0016203	0034	14423													
		OBS	0020	-0093	32830	2642			14423													
		STD	0030	-0089	3311	2664	0014065	0049	14430													
		OBS	0030	-0089	33110	2664			14430													
		STD	0050	-0090	3332	2681	0012443	0076	14436													
		OBS	0050	-0090	33320	2681			14436													
		STD	0075	-0101	3347	2694	0011244	0105	14437													
		OBS	0075	-0101	33470	2694			14437													
		STD	0100	-0088	3360	2704	0010283	0132	14449													
		OBS	0100	-0088	33600	2704			14449													
		STD	0125	-0076	3372	2713	0009402	0157	14461													
		OBS	0125	-0076	33720	2713			14461													
		STD	0150	-0045	3383	2720	0008685	0179	14481													
		OBS	0150	-0045	33830	2720			14481													
		STD	0200	0014	3405	2735	0007295	0219	14519													
		OBS	0200	0014	34050	2735			14519													
		STD	0250	-0009	3414	2744	0006480	0254	14518													
		OBS	0250	-0009	34140	2744			14518													
		STD	0300	0016	3425	2751	0005779	0284	14540													
		OBS	0300	0016	34250	2751			14540													
		STD	0400	-0025	3432	2759	0005003	0338	14538													
		OBS	0400	-0025	34320	2759			14538													

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 S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER																										
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER				SEA	TYPE	AMT																							
318160	WE	76210N	073240W	260	63	09	28	177	1969	WE2	058	0550						01	6	17	0058																										
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th rowspan="2">BARO-METER (mbs)</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> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>00</td> <td>S00</td> <td>257</td> <td>-028</td> <td>-044</td> <td>7</td> <td>14</td> <td></td> </tr> </tbody> </table>																						WATER		WIND		BARO-METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS	COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	DRY BULB	WET BULB	DT	S	00	S00	257	-028	-044	7	14	
WATER		WIND		BARO-METER (mbs)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS																																						
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB																																									
DT	S	00	S00	257	-028	-044	7	14																																							
MESSAGE TIME OF HR. 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}^t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	Si O ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S CD																														
177		STD	0000	-0130	3255	2620	0018260	0000	14398																																						
		OBS	0000	-0130	32550	2620			14398																																						
		STD	0010	-0133	3270	2632	0017093	0018	14401																																						
		OBS	0010	-0133	32700	2632			14401																																						
		STD	0020	-0120	3300	2656	0014818	0034	14413																																						
		OBS	0020	-0120	33000	2656			14413																																						
		STD	0030	-0075	3341	2688	0011816	0047	14441																																						
		OBS	0030	-0075	33410	2688			14441																																						
		STD	0050	-0069	3347	2692	0011371	0070	14448																																						
		OBS	0050	-0069	33470	2692			14448																																						
		STD	0075	-0114	3362	2706	0010052	0097	14433																																						
		OBS	0075	-0114	33620	2706			14433																																						
		STD	0100	-0035	3381	2718	0008897	0121	14477																																						
		OBS	0100	-0035	33810	2718			14477																																						
		STD	0125	0000	3382	2718	0008981	0143	14497																																						
		OBS	0125	0000	33820	2718			14497																																						
		STD	0150	0002	3395	2728	0007998	0164	14504																																						
		OBS	0150	0002	33950	2728			14504																																						
		STD	0200	-0010	3406	2737	0007091	0202	14508																																						
		OBS	0200	-0010	34060	2737			14508																																						
		STD	0250	-0008	3416	2745	0006333	0235	14519																																						
		OBS	0250	-0008	34160	2745			14519																																						
		STD	0300	0007	3424	2751	0005803	0266	14535																																						
		OBS	0300	0007	34240	2751			14535																																						
		STD	0400	-0020	3428	2756	0005334	0321	14540																																						
		OBS	0400	-0020	34280	2756			14540																																						
		STD	0500	0022	3435	2759	0005049	0373	14577																																						
		OBS	0500	0022	34350	2759			14577																																						

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	MARS DEN SQUARE	STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BDTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEA- THER CODE	CLOUD CODES	NOCC STATION NUMBER
CRUISE NO.	ID. NO.					10"	1"	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR			
318160		WE	76388N	070523W	260 60	09 28	230	1969	WE2	062	0210					73	X 9	0062	
		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										
		OT	S	00	500	272		-022	-028	7		10							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	S 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	CLOUD		
	230	STO	0000	-0010	3209	2579	0022182	0000	14448										
		OBS	0000	-0010	32090	2579			14448										
		STO	0010	-0011	3216	2584	0021637	0022	14450										
		OBS	0010	-0011	32160	2584			14450										
		STO	0020	-0006	3225	2591	0020965	0043	14455										
		OBS	0020	-0006	32250	2591			14455										
		STO	0030	-0004	3260	2620	0018295	0063	14463										
		OBS	0030	-0004	32600	2620			14463										
		STO	0050	-0015	3280	2636	0016711	0098	14464										
		OBS	0050	-0015	32800	2636			14464										
		STO	0075	-0032	3308	2659	0014490	0137	14464										
		OBS	0075	-0032	33080	2659			14464										
		STO	0100	-0028	3326	2674	0013124	0171	14472										
		OBS	0100	-0028	33260	2674			14472										
		STO	0125	-0023	3347	2690	0011537	0202	14482										
		OBS	0125	-0023	33470	2690			14482										
		STO	0150	0005	3365	2704	0010296	0229	14501										
		OBS	0150	0005	33650	2704			14501										
		STO	0200	0054	3385	2717	0009042	0278	14535										
		OBS	0200	0054	33850	2717			14535										

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	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	NOCC STATION NUMBER
CRUISE NO.	ID. NO.					10"	1"	MO		DAY	HR. 1/10			CRUISE NO.	STATION NUMBER	DIR			
318160		WE	76202N	070100W	260 60	09 30	158	1969	WE2	063	0200					71	X 9	0063	
		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										
		DT	S	20	509	233		-011	-017	4		10							
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-20°	S 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	CLOUD		
	158	STO	0000	-0020	3175	2552	0024745	0000	14439										
		OBS	0000	-0020	31750	2552			14439										
		STO	0010	-0028	3180	2556	0024326	0025	14437										
		OBS	0010	-0028	31800	2556			14437										
		STO	0020	-0027	3188	2562	0023712	0049	14440										
		OBS	0020	-0027	31880	2562			14440										
		STO	0030	-0016	3222	2589	0021149	0071	14452										
		OBS	0030	-0016	32220	2589			14452										
		STO	0050	-0008	3253	2614	0018804	0111	14463										
		OBS	0050	-0008	32530	2614			14463										
		STO	0075	-0016	3303	2655	0014942	0153	14471										
		OBS	0075	-0016	33030	2655			14471										
		STO	0100	-0016	3327	2674	0013102	0188	14478										
		OBS	0100	-0016	33270	2674			14478										
		STO	0125	-0004	3348	2690	0011551	0219	14491										
		OBS	0125	-0004	33480	2690			14491										
		STO	0150	-0002	3356	2697	0010946	0247	14497										
		OBS	0150	-0002	33560	2697			14497										
		STO	0200	0007	3364	2703	0010373	0300	14510										
		OBS	0200	0007	33640	2703			14510										

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 SAMPLES	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER		
CRUISE CODE	ID. NO.					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPL	AMT			
318160	WE	76140N	070460W		260	60	09	30	173	1969	WE2	064	0610						02	X	9		0064		
						WATER		WIND		BARO-METER		AIR TEMP. °C		HO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE												
						DT	S	14	S15	223	-011	-017	7	15											
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g - at/l}$	TOTAL-P $\mu\text{g - at/l}$	NO ₂ -N $\mu\text{g - at/l}$	NO ₃ -N $\mu\text{g - at/l}$	SiO ₄ -Si $\mu\text{g - at/l}$	pH	S C C								
	173	STD	0000	-0080	3295	2651	0015337	0000	14427																
		OBS	0000	-0080	32950	2651			14427																
		STD	0010	-0083	3297	2653	0015168	0015	14428																
		OBS	0010	-0083	32970	2653			14428																
		STD	0020	-0087	3300	2655	0014920	0030	14428																
		OBS	0020	-0087	33000	2655			14428																
		STD	0030	-0089	3305	2659	0014524	0045	14430																
		OBS	0030	-0089	33050	2659			14430																
		STD	0050	-0075	3336	2684	0012190	0072	14444																
		OBS	0050	-0075	33360	2684			14444																
		STD	0075	-0040	3355	2698	0010867	0101	14467																
		OBS	0075	-0040	33550	2698			14467																
		STD	0100	-0002	3363	2702	0010424	0127	14490																
		OBS	0100	-0002	33630	2702			14490																
		STD	0125	0028	3374	2710	0009736	0152	14509																
		OBS	0125	0028	33740	2710			14509																
		STD	0150	0054	3385	2717	0009043	0176	14526																
		OBS	0150	0054	33850	2717			14526																
		STD	0200	0102	3399	2725	0008281	0219	14558																
		OBS	0200	0102	33990	2725			14558																
		STD	0250	0151	3417	2737	0007272	0258	14591																
		OBS	0250	0151	34170	2737			14591																
		STD	0300	0170	3428	2744	0006600	0293	14609																
		OBS	0300	0170	34280	2744			14609																
		STD	0400	0031	3431	2755	0005412	0353	14564																
		OBS	0400	0031	34310	2755			14564																
		STD	0500	-0002	3433	2759	0005049	0405	14566																
		OBS	0500	-0002	34330	2759			14566																
		STD	0600	0080	3443	2762	0004854	0455	14621																
		OBS	0600	0080	34430	2762			14621																
318160	WE	76090N	071225W		260	61	09	30	187	1969	WE2	065	0530												0065
						WATER		WIND		BARO-METER		AIR TEMP. °C		HO. OBS. DEPTHS		SPECIAL OBSERVATIONS									
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mba)	DRY BULB	WET BULB	VIS. CODE												
						DT	S	14	S14	220	-003	-014	6	14											
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g - at/l}$	TOTAL-P $\mu\text{g - at/l}$	NO ₂ -N $\mu\text{g - at/l}$	NO ₃ -N $\mu\text{g - at/l}$	SiO ₄ -Si $\mu\text{g - at/l}$	pH	S C C								
	187	STD	0000	-0070	3290	2646	0015754	0000	14431																
		OBS	0000	-0070	32900	2646			14431																
		STD	0010	-0072	3292	2648	0015589	0016	14432																
		OBS	0010	-0072	32920	2648			14432																
		STD	0020	-0074	3294	2650	0015423	0031	14433																
		OBS	0020	-0074	32940	2650			14433																
		STD	0030	-0071	3330	2679	0012673	0045	14441																
		OBS	0030	-0071	33300	2679			14441																
		STD	0050	-0089	3349	2695	0011145	0069	14439																
		OBS	0050	-0089	33490	2695			14439																
		STD	0075	-0090	3365	2708	0009905	0095	14445																
		OBS	0075	-0090	33650	2708			14445																
		STD	0100	-0068	3378	2717	0008985	0119	14461																
		OBS	0100	-0068	33780	2717			14461																
		STD	0125	-0023	3389	2724	0008336	0141	14488																
		OBS	0125	-0023	33890	2724			14488																
		STD	0150	-0003	3397	2730	0007820	0161	14502																
		OBS	0150	-0003	33970	2730			14502																
		STD	0200	-0045	3405	2738	0006994	0198	14492																
		OBS	0200	-0045	34050	2738			14492																
		STD	0250	-0032	3414	2745	0006361	0231	14508																
		OBS	0250	-0032	34140	2745			14508																
		STD	0300	0040	3425	2750	0005923	0262	14550																
		OBS	0300	0040	34250	2750			14550																
		STD	0400	-0013	3430	2757	0005222	0318	14544																
		OBS	0400	-0013	34300	2757			14544																
		STD	0500	-0007	3433	2759	0005018	0369	14563																
		OBS	0500	-0007	34330	2759			14563																

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	JOB INDICATOR	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./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TRF		AMT	
318160	WE		76040N	071550W		260	61	09	30	198	1969	WE2	066		0430					02	6	8		0066

WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTNS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB			
DT	S	14	S14	218	-003	-014	6	13	

MESSNGR TIME NR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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	CTD NO.
198		STD	0000	-0070	3300	2654	0014988	0000	14433								
		OBS	0000	-0070	33000	2654			14433								
		STD	0010	-0080	3304	2658	0014642	0015	14430								
		OBS	0010	-0080	33040	2658			14430								
		STD	0020	-0086	3305	2659	0014540	0029	14429								
		OBS	0020	-0086	33050	2659			14429								
		STD	0030	-0089	3313	2666	0013912	0044	14431								
		OBS	0030	-0089	33130	2666			14431								
		STD	0050	-0089	3353	2698	0010838	0068	14440								
		OBS	0050	-0089	33530	2698			14440								
		STD	0075	-0087	3365	2708	0009916	0094	14446								
		OBS	0075	-0087	33650	2708			14446								
		STD	0100	-0072	3376	2716	0009122	0118	14459								
		OBS	0100	-0072	33760	2716			14459								
		STD	0125	-0042	3394	2729	0007867	0139	14480								
		OBS	0125	-0042	33940	2729			14480								
		STD	0150	0030	3404	2734	0007463	0159	14518								
		OBS	0150	0030	34040	2734			14518								
		STD	0200	0035	3412	2740	0006881	0194	14530								
		OBS	0200	0035	34120	2740			14530								
		STD	0250	-0010	3417	2746	0006247	0227	14518								
		OBS	0250	-0010	34170	2746			14518								
		STD	0300	-0023	3423	2752	0005714	0257	14521								
		OBS	0300	-0023	34230	2752			14521								
		STD	0400	-0014	3432	2759	0005065	0311	14543								
		OBS	0400	-0014	34320	2759			14543								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	JOB INDICATOR	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./10	CRUISE NO.			STATION NUMBER	DIR	HGT	PER		SEA	TRF		AMT	
318160	WE		75580N	072310W		260	52	09	30	217	1969	WE2	067		0340					02	6	8		0067

WATER		WIND		BARO- METER (mba)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTNS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE		DRY BULB	WET BULB			
DT	S	14	S14	218	-003	-014	6	12	

MESSNGR TIME NR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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	CTD NO.
217		STD	0000	-0070	3280	2638	0016520	0000	14430								
		OBS	0000	-0070	32800	2638			14430								
		STD	0010	-0065	3290	2646	0015767	0016	14435								
		OBS	0010	-0065	32900	2646			14435								
		STD	0020	-0088	3302	2657	0014763	0031	14428								
		OBS	0020	-0088	33020	2657			14428								
		STD	0030	-0080	3325	2675	0013023	0045	14437								
		OBS	0030	-0080	33250	2675			14437								
		STD	0050	-0097	3357	2701	0010504	0069	14436								
		OBS	0050	-0097	33570	2701			14436								
		STD	0075	-0095	3370	2712	0009505	0094	14443								
		OBS	0075	-0095	33700	2712			14443								
		STD	0100	-0050	3385	2722	0008525	0116	14470								
		OBS	0100	-0050	33850	2722			14470								
		STD	0125	-0011	3391	2725	0008241	0137	14493								
		OBS	0125	-0011	33910	2725			14493								
		STD	0150	0030	3405	2735	0007387	0157	14518								
		OBS	0150	0030	34050	2735			14518								
		STD	0200	0048	3415	2742	0006729	0192	14536								
		OBS	0200	0048	34150	2742			14536								
		STD	0250	0033	3424	2750	0005957	0224	14539								
		OBS	0250	0033	34240	2750			14539								
		STD	0300	0008	3426	2753	0005657	0253	14536								
		OBS	0300	0008	34260	2753			14536								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	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 TYPE (A-MT)	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
318160	WE	75530N	073050W	260	53	09	30	229	1969	WE2	068	0340					02	618	0068		
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTH'S		SPECIAL OBSERVATIONS					
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		METER (mb)		DRY BULB		WET BULB		US. CODE			
				DT		S		14		S20		204		-003		-014		6		12	
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta$ 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 C				
229		STD	0000	-0100	3275	2635	0016807	0000	14415												
		OBS	0000	-0100	32750	2635			14415												
		STD	0010	-0103	3278	2638	0016562	0017	14416												
		OBS	0010	-0103	32780	2638			14416												
		STD	0020	-0100	3292	2649	0015491	0033	14421												
		OBS	0020	-0100	32920	2649			14421												
		STD	0030	-0060	3315	2666	0013862	0047	14444												
		OBS	0030	-0060	33150	2666			14444												
		STD	0050	-0087	3352	2697	0010922	0072	14440												
		OBS	0050	-0087	33520	2697			14440												
		STD	0075	-0100	3365	2708	0009869	0098	14440												
		OBS	0075	-0100	33650	2708			14440												
		STD	0100	-0083	3376	2716	0009079	0122	14454												
		OBS	0100	-0083	33760	2716			14454												
		STD	0125	-0030	3388	2724	0008379	0144	14484												
		OBS	0125	-0030	33880	2724			14484												
		STD	0150	0002	3400	2732	0007617	0164	14505												
		OBS	0150	0002	34000	2732			14505												
		STD	0200	0038	3413	2741	0006822	0200	14531												
		OBS	0200	0038	34130	2741			14531												
		STD	0250	0044	3420	2746	0006326	0233	14543												
		OBS	0250	0044	34200	2746			14543												
		STD	0300	0007	3427	2753	0005576	0262	14536												
		OBS	0300	0007	34270	2753			14536												

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIFT INDICATOR	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 TYPE (A-MT)	NODC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER			
318160	WE	75480N	073400W	260	53	10	01	002	1969	WE2	069	0350						02	X9	0069	
				WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTH'S		SPECIAL OBSERVATIONS					
				COLOR CODE		TRANS. (m)		DIR.		SPEED OR FORCE		METER (mb)		DRY BULB		WET BULB		US. CODE			
				DT		S		22		S20		200		000		-006		6		12	
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME ANOMALY- $\times 10^3$	$\Sigma \Delta$ 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 C				
002		STD	0000	-0090	3285	2643	0016071	0000	14421												
		OBS	0000	-0090	32850	2643			14421												
		STD	0010	-0093	3290	2647	0015672	0016	14422												
		OBS	0010	-0093	32900	2647			14422												
		STD	0020	-0085	3290	2647	0015693	0032	14428												
		OBS	0020	-0085	32900	2647			14428												
		STD	0030	-0089	3346	2692	0011384	0045	14435												
		OBS	0030	-0089	33460	2692			14435												
		STD	0050	-0098	3363	2706	0010042	0067	14437												
		OBS	0050	-0098	33630	2706			14437												
		STD	0075	-0088	3370	2712	0009530	0091	14447												
		OBS	0075	-0088	33700	2712			14447												
		STD	0100	-0060	3381	2719	0008789	0114	14465												
		OBS	0100	-0060	33810	2719			14465												
		STD	0125	-0022	3392	2727	0008112	0135	14489												
		OBS	0125	-0022	33920	2727			14489												
		STD	0150	0040	3406	2735	0007367	0154	14523												
		OBS	0150	0040	34060	2735			14523												
		STD	0200	0046	3414	2741	0006793	0190	14535												
		OBS	0200	0046	34140	2741			14535												
		STD	0250	0028	3421	2748	0006155	0222	14536												
		OBS	0250	0028	34210	2748			14536												
		STD	0300	0010	3425	2752	0005745	0252	14537												
		OBS	0300	0010	34250	2752			14537												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIE NO.	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE NO.	ID. NO.					10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318160		WE	75360N	072540W	260	52	10	01	018	1969	WE2	070	0480					02	X	9		0070	
				WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
				DT	S	22	S20	196	000	-006	7	13											
MESSENGR TIME OF 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	PO ₄ -P μg - 01/l	TOTAL-P μg - 01/l	NO ₂ -N μg - 01/l	NO ₃ -N μg - 01/l	SiO ₄ -Si μg - 01/l	pH	S	C					
	018	STD	0000	-0093	3284	2642	0016138	0000	14420														
		OBS	0000	-0093	32840	2642			14420														
		STD	0010	-0100	3287	2645	0015881	0016	14419														
		OBS	0010	-0100	32870	2645			14419														
		STD	0020	-0103	3328	2678	0012722	0030	14425														
		OBS	0020	-0103	33280	2678			14425														
		STD	0030	-0115	3347	2694	0011222	0042	14423														
		OBS	0030	-0115	33470	2694			14423														
		STD	0050	-0126	3361	2706	0010104	0064	14423														
		OBS	0050	-0126	33610	2706			14423														
		STD	0075	-0096	3370	2712	0009501	0088	14443														
		OBS	0075	-0096	33700	2712			14443														
		STD	0100	-0080	3375	2715	0009167	0111	14455														
		OBS	0100	-0080	33750	2715			14455														
		STD	0125	-0003	3394	2727	0008052	0133	14498														
		OBS	0125	-0003	33940	2727			14498														
		STD	0150	0074	3402	2730	0007871	0153	14538														
		OBS	0150	0074	34020	2730			14538														
		STD	0200	0142	3421	2740	0006891	0190	14579														
		OBS	0200	0142	34210	2740			14579														
		STD	0250	0132	3427	2746	0006378	0223	14584														
		OBS	0250	0132	34270	2746			14584														
		STD	0300	-0007	3427	2754	0005497	0253	14529														
		OBS	0300	-0007	34270	2754			14529														
		STD	0400	-0014	3431	2758	0005141	0306	14543														
		OBS	0400	-0014	34310	2758			14543														

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DRIE NO.	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE NO.	ID. NO.					10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT
318160		WE	75420N	072220W	260	52	10	01	031	1969	WE2	071	0410					02	X	9		0071	
				WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
				DT	S	18	S10	192	-011	-022	7	13											
MESSENGR TIME OF 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	PO ₄ -P μg - 01/l	TOTAL-P μg - 01/l	NO ₂ -N μg - 01/l	NO ₃ -N μg - 01/l	SiO ₄ -Si μg - 01/l	pH	S	C					
	031	STD	0000	-0095	3295	2651	0015289	0000	14420														
		OBS	0000	-0095	32950	2651			14420														
		STD	0010	-0096	3297	2653	0015126	0015	14422														
		OBS	0010	-0096	32970	2653			14422														
		STD	0020	-0096	3300	2655	0014890	0030	14424														
		OBS	0020	-0096	33000	2655			14424														
		STD	0030	-0100	3335	2684	0012190	0044	14429														
		OBS	0030	-0100	33350	2684			14429														
		STD	0050	-0107	3356	2701	0010547	0066	14432														
		OBS	0050	-0107	33560	2701			14432														
		STD	0075	-0094	3367	2709	0009738	0092	14443														
		OBS	0075	-0094	33670	2709			14443														
		STD	0100	-0048	3377	2716	0009145	0115	14470														
		OBS	0100	-0048	33770	2716			14470														
		STD	0125	-0008	3388	2723	0008484	0137	14494														
		OBS	0125	-0008	33880	2723			14494														
		STD	0150	0049	3398	2728	0008027	0158	14526														
		OBS	0150	0049	33980	2728			14526														
		STD	0200	0050	3416	2742	0006665	0195	14537														
		OBS	0200	0050	34160	2742			14537														
		STD	0250	0031	3419	2746	0006325	0227	14537														
		OBS	0250	0031	34190	2746			14537														
		STD	0300	0004	3425	2752	0005710	0257	14534														
		OBS	0300	0004	34250	2752			14534														
		STD	0400	-0007	3429	2756	0005333	0313	14546														
		OBS	0400	-0007	34290	2756			14546														

TABLE III.—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																									
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT																								
318160		WE	75480N	071380W	260	51	10	01	044	1969	WE2	072	0410					70	X	7	0072																										
<table border="1"> <thead> <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 OF FORCE</th> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>18</td> <td>S10</td> <td>187</td> <td>-011</td> <td>-022</td> <td>7</td> <td>13</td> <td></td> </tr> </tbody> </table>																						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	S	18	S10	187	-011	-022	7	13	
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	S	18	S10	187	-011	-022	7	13																																							
MESSNGR TIME OF HR 1/10	CAS T NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D. DYN. M. $\times 10^2$	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	S C																														
		STD	0000	-0062	3290	2646	0015782	0000	14435																																						
044		OBS	0000	-0062	32900	2646			14435																																						
		STD	0010	-0067	3291	2647	0015683	0016	14435																																						
		OBS	0010	-0067	32910	2647			14435																																						
		STD	0020	-0068	3301	2655	0014909	0031	14437																																						
		OBS	0020	-0068	33010	2655			14437																																						
		STD	0030	-0065	3322	2672	0013307	0045	14443																																						
		OBS	0030	-0065	33220	2672			14443																																						
		STD	0050	-0080	3352	2697	0010947	0069	14444																																						
		OBS	0050	-0080	33520	2697			14444																																						
		STD	0075	-0089	3363	2706	0010062	0096	14445																																						
		OBS	0075	-0089	33630	2706			14445																																						
		STD	0100	-0074	3378	2718	0008961	0119	14458																																						
		OBS	0100	-0074	33780	2718			14458																																						
		STD	0125	-0035	3394	2729	0007898	0141	14483																																						
		OBS	0125	-0035	33940	2729			14483																																						
		STD	0150	-0012	3395	2729	0007927	0160	14498																																						
		OBS	0150	-0012	33950	2729			14498																																						
		STD	0200	-0017	3401	2734	0007435	0199	14505																																						
		OBS	0200	-0017	34010	2734			14505																																						
		STD	0250	0020	3420	2747	0006185	0233	14532																																						
		OBS	0250	0020	34200	2747			14532																																						
		STD	0300	-0014	3423	2751	0005762	0263	14526																																						
		OBS	0300	-0014	34230	2751			14526																																						
		STD	0400	-0015	3429	2756	0005287	0318	14543																																						
		OBS	0400	-0015	34290	2756			14543																																						

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																									
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE		AMT																								
318160		WE	75550N	071100W	260	51	10	01	058	1969	WE2	073	0410					01	X	7	0073																										
<table border="1"> <thead> <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 OF FORCE</th> <th>DRY BULB</th> <th>WET BULB</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>19</td> <td>S05</td> <td>179</td> <td>-011</td> <td>-022</td> <td>5</td> <td>13</td> <td></td> </tr> </tbody> </table>																						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	S	19	S05	179	-011	-022	5	13	
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	S	19	S05	179	-011	-022	5	13																																							
MESSNGR TIME OF HR 1/10	CAS T NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D. DYN. M. $\times 10^2$	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	S C																														
		STD	0000	-0073	3292	2648	0015591	0000	14430																																						
		OBS	0000	-0073	32920	2648			14430																																						
		STD	0010	-0074	3294	2650	0015429	0016	14432																																						
		OBS	0010	-0074	32940	2650			14432																																						
		STD	0020	-0075	3300	2655	0014960	0031	14434																																						
		OBS	0020	-0075	33000	2655			14434																																						
		STD	0030	-0063	3311	2663	0014156	0045	14443																																						
		OBS	0030	-0063	33110	2663			14443																																						
		STD	0050	-0069	3346	2692	0011447	0071	14448																																						
		OBS	0050	-0069	33460	2692			14448																																						
		STD	0075	-0068	3358	2701	0010523	0098	14454																																						
		OBS	0075	-0068	33580	2701			14454																																						
		STD	0100	-0037	3372	2711	0009574	0123	14475																																						
		OBS	0100	-0037	33720	2711			14475																																						
		STD	0125	0026	3385	2719	0008888	0147	14510																																						
		OBS	0125	0026	33850	2719			14510																																						
		STD	0150	0053	3393	2724	0008429	0168	14527																																						
		OBS	0150	0053	33930	2724			14527																																						
		STD	0200	0075	3406	2733	0007577	0208	14547																																						
		OBS	0200	0075	34060	2733			14547																																						
		STD	0250	0070	3416	2741	0006791	0244	14555																																						
		OBS	0250	0070	34160	2741			14555																																						
		STD	0300	0045	3422	2747	0006181	0277	14552																																						
		OBS	0300	0045	34220	2747			14552																																						
		STD	0400	-0012	3428	2755	0005380	0334	14544																																						
		OBS	0400	-0012	34280	2755			14544																																						

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METERS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES	NOOD STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER			
318160		WE	76010N	070480W	260	60	10	01	065	1969	WE2	074	0490					02	7	7	0074
		WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	°C												
		DT	S	19	S05	179	-011	-022	9	13											
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D 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 ₂ -Si $\mu\text{g} - \text{dl/l}$	pH	S. CC				
065		STD	0000	-0074	3291	2647	0015664	0000	14430												
		OBS	0000	-0074	32910	2647			14430												
		STD	0010	-0081	3296	2652	0015252	0015	14429												
		OBS	0010	-0081	32960	2652			14429												
		STD	0020	-0081	3307	2661	0014404	0030	14432												
		OBS	0020	-0081	33070	2661			14432												
		STD	0030	-0070	3327	2676	0012906	0044	14442												
		OBS	0030	-0070	33270	2676			14442												
		STD	0050	-0086	3350	2695	0011079	0068	14441												
		OBS	0050	-0086	33500	2695			14441												
		STD	0075	-0079	3364	2706	0010022	0094	14450												
		OBS	0075	-0079	33640	2706			14450												
		STD	0100	-0053	3374	2714	0009352	0119	14468												
		OBS	0100	-0053	33740	2714			14468												
		STD	0125	-0003	3385	2720	0008738	0141	14496												
		OBS	0125	-0003	33850	2720			14496												
		STD	0150	0040	3390	2722	0008583	0163	14521												
		OBS	0150	0040	33900	2722			14521												
		STD	0200	0014	3409	2739	0006991	0202	14520												
		OBS	0200	0014	34090	2739			14520												
		STD	0250	0038	3415	2742	0006669	0236	14540												
		OBS	0250	0038	34150	2742			14540												
		STD	0300	0029	3421	2747	0006159	0268	14545												
		OBS	0300	0029	34210	2747			14545												
		STD	0400	-0017	3427	2755	0005427	0326	14541												
		OBS	0400	-0017	34270	2755			14541												

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METERS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES	NOOD STATION NUMBER
CTRY CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER			
318160		WE	75540N	070240W	260	50	10	01	077	1969	WE2	075	0530					01	7	5	0075
		WATER		WIND		BARO-METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
		COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mb)	DRY BULB	WET BULB	°C												
		DT	S	19	S05	179	-011	-022	9	14											
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta$ D 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 ₂ -Si $\mu\text{g} - \text{dl/l}$	pH	S. CC				
077		STD	0000	-0090	3297	2653	0015151	0000	14423												
		OBS	0000	-0090	32970	2653			14423												
		STD	0010	-0089	3315	2667	0013769	0014	14428												
		OBS	0010	-0089	33150	2667			14428												
		STD	0020	-0110	3345	2692	0011397	0027	14424												
		OBS	0020	-0110	33450	2692			14424												
		STD	0030	-0108	3349	2695	0011091	0038	14427												
		OBS	0030	-0108	33490	2695			14427												
		STD	0050	-0108	3357	2702	0010467	0060	14431												
		OBS	0050	-0108	33570	2702			14431												
		STD	0075	-0039	3369	2709	0009802	0085	14469												
		OBS	0075	-0039	33690	2709			14469												
		STD	0100	0003	3383	2718	0008924	0109	14495												
		OBS	0100	0003	33830	2718			14495												
		STD	0125	0043	3387	2719	0008829	0131	14518												
		OBS	0125	0043	33870	2719			14518												
		STD	0150	0050	3394	2725	0008336	0152	14526												
		OBS	0150	0050	33940	2725			14526												
		STD	0200	0130	3415	2736	0007260	0191	14573												
		OBS	0200	0130	34150	2736			14573												
		STD	0250	0052	3420	2745	0006375	0225	14547												
		OBS	0250	0052	34200	2745			14547												
		STD	0300	0054	3424	2748	0006086	0256	14557												
		OBS	0300	0054	34240	2748			14557												
		STD	0400	0006	3430	2756	0005334	0314	14552												
		OBS	0400	0006	34300	2756			14552												
		STD	0500	-0007	3433	2759	0005018	0365	14563												
		OBS	0500	-0007	34330	2759			14563												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	NO. OF ROCKETS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER																													
CRUISE NO.	STATION NUMBER					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT																												
318160		WE	75460N	070420W	260	50	10	01	098	1969	WE2	076	0450					70	7	7	0076																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO-METER</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>(mba)</th> <th>DRY BULB</th> <th>WET BULB</th> <th>NO. OBS. DEPTHS</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>22</td> <td>S11</td> <td>169</td> <td>-019</td> <td>-028</td> <td>9</td> <td>13</td> <td></td> <td></td> </tr> </tbody> </table>																						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	NO. OBS. DEPTHS	DT	S	22	S11	169	-019	-028	9	13		
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	NO. OBS. DEPTHS																																												
DT	S	22	S11	169	-019	-028	9	13																																											
MESSAGE TIME OF HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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	-0078	3300	2655	0014961	0000	14429																																										
098		OBS	0000	-0078	33000	2655			14429																																										
		STD	0010	-0085	3305	2659	0014549	0015	14428																																										
		OBS	0010	-0085	33050	2659			14428																																										
		STD	0020	-0080	3330	2679	0012645	0028	14436																																										
		OBS	0020	-0080	33300	2679			14436																																										
		STD	0030	-0096	3352	2697	0010901	0040	14433																																										
		OBS	0030	-0096	33520	2697			14433																																										
		STD	0050	-0100	3363	2706	0010035	0061	14436																																										
		OBS	0050	-0100	33630	2706			14436																																										
		STD	0075	-0070	3374	2714	0009292	0085	14456																																										
		OBS	0075	-0070	33740	2714			14456																																										
		STD	0100	0002	3386	2721	0008691	0108	14495																																										
		OBS	0100	0002	33860	2721			14495																																										
		STD	0125	0032	3392	2724	0008388	0129	14513																																										
		OBS	0125	0032	33920	2724			14513																																										
		STD	0150	0045	3405	2734	0007472	0149	14525																																										
		OBS	0150	0045	34050	2734			14525																																										
		STD	0200	0036	3410	2738	0007039	0185	14530																																										
		OBS	0200	0036	34100	2738			14530																																										
		STD	0250	-0030	3414	2745	0006371	0219	14509																																										
		OBS	0250	-0030	34140	2745			14509																																										
		STD	0300	-0027	3422	2751	0005769	0249	14519																																										
		OBS	0300	-0027	34220	2751			14519																																										
		STD	0400	-0017	3431	2758	0005124	0303	14542																																										
		OBS	0400	-0017	34310	2758			14542																																										

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	NO. OF ROCKETS	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'MPL'S	WAVE OBSERVATIONS			WEATHER CODE	CLOUD CODES		NOOC STATION NUMBER																													
CRUISE NO.	STATION NUMBER					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE		AMT																												
318160		WE	75405N	071070W	260	51	10	01	102	1969	WE2	077	0480					70	7	7	0077																														
<table border="1"> <thead> <tr> <th colspan="2">WATER</th> <th colspan="2">WIND</th> <th colspan="2">BARO-METER</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>(mba)</th> <th>DRY BULB</th> <th>WET BULB</th> <th>NO. OBS. DEPTHS</th> </tr> </thead> <tbody> <tr> <td>DT</td> <td>S</td> <td>22</td> <td>S11</td> <td>169</td> <td>-019</td> <td>-028</td> <td>9</td> <td>13</td> <td></td> <td></td> </tr> </tbody> </table>																						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	NO. OBS. DEPTHS	DT	S	22	S11	169	-019	-028	9	13		
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	NO. OBS. DEPTHS																																												
DT	S	22	S11	169	-019	-028	9	13																																											
MESSAGE TIME OF HR 1/10	CAST 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 $\mu\text{g} - \text{at/l}$	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	-0096	3284	2642	0016129	0000	14418																																										
		OBS	0000	-0096	32840	2642			14418																																										
		STD	0010	-0100	3290	2647	0015651	0016	14419																																										
		OBS	0010	-0100	32900	2647			14419																																										
		STD	0020	-0085	3320	2671	0013394	0030	14432																																										
		OBS	0020	-0085	33200	2671			14432																																										
		STD	0030	-0129	3350	2697	0010950	0043	14417																																										
		OBS	0030	-0129	33500	2697			14417																																										
		STD	0050	-0126	3357	2702	0010411	0064	14423																																										
		OBS	0050	-0126	33570	2702			14423																																										
		STD	0075	-0112	3365	2708	0009829	0089	14435																																										
		OBS	0075	-0112	33650	2708			14435																																										
		STD	0100	-0121	3374	2716	0009097	0113	14436																																										
		OBS	0100	-0121	33740	2716			14436																																										
		STD	0125	-0018	3388	2723	0008436	0135	14490																																										
		OBS	0125	-0018	33880	2723			14490																																										
		STD	0150	0064	3400	2729	0007963	0155	14533																																										
		OBS	0150	0064	34000	2729			14533																																										
		STD	0200	0109	3412	2735	0007343	0194	14563																																										
		OBS	0200	0109	34120	2735			14563																																										
		STD	0250	0144	3430	2747	0006238	0228	14590																																										
		OBS	0250	0144	34300	2747			14590																																										
		STD	0300	0080	3430	2752	0005800	0258	14569																																										
		OBS	0300	0080	34300	2752			14569																																										
		STD	0400	0025	3433	2757	0005223	0313	14561																																										
		OBS	0400	0025	34330	2757			14561																																										

TABLE III.—Continued

REFERENCE CTRY ID. NO.	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		NOOC STATION NUMBER		
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT			
318160	WE	75320N	071360W		260	51	10	01	129	1969	WE2	078	0520							02	7	7		0078

MESSENGR 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	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
DT	S	22	S12	159	-008	-019	9	14									
129		STD	0000	-0090	3275	2635	0016838	0000	14420								
		OBS	0000	-0090	32750	2635			14420								
		STD	0010	-0093	3285	2643	0016056	0016	14422								
		OBS	0010	-0093	32850	2643			14422								
		STD	0020	-0118	3337	2686	0011986	0030	14419								
		OBS	0020	-0118	33370	2686			14419								
		STD	0030	-0125	3345	2693	0011345	0042	14418								
		OBS	0030	-0125	33450	2693			14418								
		STD	0050	-0144	3355	2701	0010512	0064	14414								
		OBS	0050	-0144	33550	2701			14414								
		STD	0075	-0132	3363	2707	0009918	0090	14425								
		OBS	0075	-0132	33630	2707			14425								
		STD	0100	-0135	3370	2713	0009358	0114	14429								
		OBS	0100	-0135	33700	2713			14429								
		STD	0125	-0060	3384	2722	0008551	0136	14470								
		OBS	0125	-0060	33840	2722			14470								
		STD	0150	0036	3395	2726	0008180	0157	14520								
		OBS	0150	0036	33950	2726			14520								
		STD	0200	0110	3414	2737	0007198	0195	14564								
		OBS	0200	0110	34140	2737			14564								
		STD	0250	0146	3425	2743	0006631	0230	14590								
		OBS	0250	0146	34250	2743			14590								
		STD	0300	0170	3437	2751	0005922	0261	14610								
		OBS	0300	0170	34370	2751			14610								
		STD	0400	0230	3452	2758	0005334	0318	14655								
		OBS	0400	0230	34520	2758			14655								
		STD	0500	0140	3452	2765	0004620	0367	14632								
		OBS	0500	0140	34520	2765			14632								

REFERENCE CTRY ID. NO.	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		NOOC STATION NUMBER				
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT					
318160	WE	75240N	070520W		260	50	10	01	144	1969	WE2	079	0540									02	7	7		0079

MESSENGR 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	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
DT	S	22	S06	152	-011	-017	9	14									
144		STD	0000	-0078	3277	2636	0016723	0000	14426								
		OBS	0000	-0078	32770	2636			14426								
		STD	0010	-0085	3278	2637	0016618	0017	14424								
		OBS	0010	-0085	32780	2637			14424								
		STD	0020	-0126	3332	2682	0012346	0031	14414								
		OBS	0020	-0126	33320	2682			14414								
		STD	0030	-0130	3345	2693	0011331	0043	14416								
		OBS	0030	-0130	33450	2693			14416								
		STD	0050	-0127	3352	2698	0010791	0065	14422								
		OBS	0050	-0127	33520	2698			14422								
		STD	0075	-0112	3360	2704	0010211	0091	14434								
		OBS	0075	-0112	33600	2704			14434								
		STD	0100	-0146	3364	2709	0009785	0116	14423								
		OBS	0100	-0146	33640	2709			14423								
		STD	0125	-0105	3378	2719	0008833	0140	14448								
		OBS	0125	-0105	33780	2719			14448								
		STD	0150	-0026	3386	2722	0008544	0161	14490								
		OBS	0150	-0026	33860	2722			14490								
		STD	0200	0067	3405	2732	0007603	0202	14543								
		OBS	0200	0067	34050	2732			14543								
		STD	0250	0191	3429	2743	0006671	0237	14610								
		OBS	0250	0191	34290	2743			14610								
		STD	0300	0208	3439	2750	0006076	0269	14627								
		OBS	0300	0208	34390	2750			14627								
		STD	0400	0232	3450	2757	0005502	0327	14656								
		OBS	0400	0232	34500	2757			14656								
		STD	0500	0191	3451	2761	0005117	0380	14655								
		OBS	0500	0191	34510	2761			14655								

TABLE III.—Continued

REFERENCE CTRY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN INDICATOR	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
					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
318160	WE	75330N	070390W	260	50	10	01	163	1969	WE2	080	0530					02	6	8	0080	
					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	S	22	S06	152	-011	-017	7	14								
MESSAGE TIME HR 1/10	CASST 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 $\mu\text{g} - \text{dl/l}$	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 CCD				
163		STD	0000	-0086	3282	2640	0016314	0000	14423												
		OBS	0000	-0086	32820	2640			14423												
		STD	0010	-0090	3295	2651	0015299	0016	14424												
		OBS	0010	-0090	32950	2651			14424												
		STD	0020	-0080	3325	2675	0013028	0030	14435												
		OBS	0020	-0080	33250	2675			14435												
		STD	0030	-0092	3340	2688	0011833	0042	14433												
		OBS	0030	-0092	33400	2688			14433												
		STD	0050	-0107	3348	2695	0011160	0065	14431												
		OBS	0050	-0107	33480	2695			14431												
		STD	0075	-0110	3358	2703	0010371	0092	14435												
		OBS	0075	-0110	33580	2703			14435												
		STD	0100	-0046	3372	2712	0009535	0117	14471												
		OBS	0100	-0046	33720	2712			14471												
		STD	0125	0015	3386	2720	0008754	0140	14505												
		OBS	0125	0015	33860	2720			14505												
		STD	0150	0090	3395	2723	0008502	0162	14544												
		OBS	0150	0090	33950	2723			14544												
		STD	0200	0153	3414	2734	0007499	0202	14583												
		OBS	0200	0153	34140	2734			14583												
		STD	0250	0155	3425	2743	0006697	0237	14594												
		OBS	0250	0155	34250	2743			14594												
		STD	0300	0182	3435	2749	0006167	0269	14615												
		OBS	0300	0182	34350	2749			14615												
		STD	0400	0220	3449	2757	0005472	0327	14651												
		OBS	0400	0220	34490	2757			14651												
		STD	0500	0163	3450	2762	0004957	0380	14642												
		OBS	0500	0163	34500	2762			14642												

REFERENCE CTRY CODE	SHIP ID. NO. CODE	LATITUDE 1/10	LONGITUDE 1/10	MARSSEN INDICATOR	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
					10'	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER		SEA	TYPE	
318160	WE	75410N	070040W	260	50	10	01	175	1969	WE2	081	0530					02	6	8	0081	
					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	S	22	S06	151	-011	-017	7	14								
MESSAGE TIME HR 1/10	CASST 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 $\mu\text{g} - \text{dl/l}$	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 CCD				
175		STD	0000	-0089	3272	2633	0017071	0000	14420												
		OBS	0000	-0089	32720	2633			14420												
		STD	0010	-0098	3275	2635	0016807	0017	14418												
		OBS	0010	-0098	32750	2635			14418												
		STD	0020	-0080	3307	2660	0014407	0033	14432												
		OBS	0020	-0080	33070	2660			14432												
		STD	0030	-0114	3335	2684	0012145	0046	14422												
		OBS	0030	-0114	33350	2684			14422												
		STD	0050	-0133	3346	2694	0011233	0069	14418												
		OBS	0050	-0133	33460	2694			14418												
		STD	0075	-0122	3360	2705	0010179	0096	14429												
		OBS	0075	-0122	33600	2705			14429												
		STD	0100	-0050	3375	2714	0009289	0120	14469												
		OBS	0100	-0050	33750	2714			14469												
		STD	0125	0013	3385	2719	0008819	0143	14504												
		OBS	0125	0013	33850	2719			14504												
		STD	0150	0080	3398	2726	0008212	0164	14540												
		OBS	0150	0080	33980	2726			14540												
		STD	0200	0130	3413	2735	0007411	0203	14573												
		OBS	0200	0130	34130	2735			14573												
		STD	0250	0170	3427	2743	0006659	0238	14601												
		OBS	0250	0170	34270	2743			14601												
		STD	0300	0183	3434	2748	0006250	0271	14616												
		OBS	0300	0183	34340	2748			14616												
		STD	0400	0184	3449	2760	0005168	0328	14635												
		OBS	0400	0184	34490	2760			14635												
		STD	0500	0130	3449	2764	0004767	0377	14627												
		OBS	0500	0130	34490	2764			14627												

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DRIFT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NDOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318160	WE	75480N	069430W	259	59	10	01	187	1969	WE2	082	0450						02	6	8		0082	
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB	VIS. CODE										
						OT	S	20	S08	150	-017	-025	7				13						
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C						
187		STD	0000	-0075	3290	2647	0015737	0000	14429														
		OBS	0000	-0075	32900	2647			14429														
		STD	0010	-0082	3295	2651	0015325	0016	14428														
		OBS	0010	-0082	32950	2651			14428														
		STD	0020	-0067	3320	2670	0013458	0030	14440														
		OBS	0020	-0067	33200	2670			14440														
		STD	0030	-0066	3350	2695	0011161	0042	14447														
		OBS	0030	-0066	33500	2695			14447														
		STD	0050	-0052	3361	2703	0010367	0064	14458														
		OBS	0050	-0052	33610	2703			14458														
		STD	0075	-0021	3370	2709	0009806	0089	14478														
		OBS	0075	-0021	33700	2709			14478														
		STD	0100	-0048	3375	2714	0009297	0113	14470														
		OBS	0100	-0048	33750	2714			14470														
		STD	0125	0040	3392	2724	0008432	0135	14517														
		OBS	0125	0040	33920	2724			14517														
		STD	0150	0085	3399	2727	0008167	0156	14542														
		OBS	0150	0085	33990	2727			14542														
		STD	0200	0142	3419	2739	0007042	0194	14579														
		OBS	0200	0142	34190	2739			14579														
		STD	0250	0169	3428	2744	0006576	0228	14600														
		OBS	0250	0169	34280	2744			14600														
		STD	0300	0200	3440	2751	0005935	0259	14624														
		OBS	0300	0200	34400	2751			14624														
		STD	0400	0180	3449	2760	0005135	0314	14633														
		OBS	0400	0180	34490	2760			14633														

REFERENCE		SHIP CODE	LATITUDE ° ' /10	LONGITUDE ° ' /10	DRIFT INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NDOC STATION NUMBER
CTRY CODE	ID. NO.					10"	1'	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA		TYPE	AMT	
318160	WE	75500N	068500W	259	58	10	01	205	1969	WE2	083	0310						02	6	8		0083	
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbars)	DRY BULB	WET BULB	VIS. CODE										
						OT	S	20	S08	150	-015	-025	7				12						
MESSNGR TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta D$ 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 $\mu\text{g} - \text{dl/l}$	SiO ₄ -Si $\mu\text{g} - \text{dl/l}$	pH	S C C						
205		STD	0000	-0055	3285	2642	0016191	0000	14438														
		OBS	0000	-0055	32850	2642			14438														
		STD	0010	-0058	3282	2639	0016404	0016	14438														
		OBS	0010	-0058	32820	2639			14438														
		STD	0020	-0058	3298	2652	0015175	0032	14441														
		OBS	0020	-0058	32980	2652			14441														
		STD	0030	-0036	3336	2682	0012350	0046	14459														
		OBS	0030	-0036	33360	2682			14459														
		STD	0050	-0029	3347	2691	0011533	0070	14467														
		OBS	0050	-0029	33470	2691			14467														
		STD	0075	-0018	3358	2699	0010735	0098	14477														
		OBS	0075	-0018	33580	2699			14477														
		STD	0100	-0010	3369	2708	0009928	0123	14487														
		OBS	0100	-0010	33690	2708			14487														
		STD	0125	0022	3380	2715	0009247	0147	14507														
		OBS	0125	0022	33800	2715			14507														
		STD	0150	0060	3390	2721	0008698	0170	14530														
		OBS	0150	0060	33900	2721			14530														
		STD	0200	0134	3410	2732	0007666	0211	14574														
		OBS	0200	0134	34100	2732			14574														
		STD	0250	0168	3422	2739	0007021	0247	14599														
		OBS	0250	0168	34220	2739			14599														
		STD	0300	0180	3426	2742	0006830	0282	14613														
		OBS	0300	0180	34260	2742			14613														

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER 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	
318160		WE	75425N	069085W		259	59	10	02	068	1969	WE2	084	0450					72	7	8	0084
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB	VIS. CODE									
						DT	S	12	S18	134	-011	-021	8	13								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S. COC.					
	068	STD	0000	-0060	3280	2638	0016555	0000	14435													
		OBS	0000	-0060	32800	2638			14435													
		STD	0010	-0072	3290	2646	0015742	0016	14432													
		OBS	0010	-0072	32900	2646			14432													
		STD	0020	-0083	3318	2669	0013554	0031	14433													
		OBS	0020	-0083	33180	2669			14433													
		STD	0030	-0071	3338	2685	0012061	0044	14443													
		OBS	0030	-0071	33380	2685			14443													
		STD	0050	-0080	3355	2699	0010718	0066	14444													
		OBS	0050	-0080	33550	2699			14444													
		STD	0075	-0065	3360	2703	0010382	0093	14456													
		OBS	0075	-0065	33600	2703			14456													
		STD	0100	0020	3365	2703	0010382	0119	14500													
		OBS	0100	0020	33650	2703			14500													
		STD	0125	-0005	3380	2716	0009108	0143	14495													
		OBS	0125	-0005	33800	2716			14495													
		STD	0150	0018	3385	2719	0008842	0166	14510													
		OBS	0150	0018	33850	2719			14510													
		STD	0200	0078	3408	2734	0007444	0206	14549													
		OBS	0200	0078	34080	2734			14549													
		STD	0250	0175	3428	2744	0006622	0241	14603													
		OBS	0250	0175	34280	2744			14603													
		STD	0300	0201	3437	2749	0006169	0273	14624													
		OBS	0300	0201	34370	2749			14624													
		STD	0400	0198	3449	2759	0005284	0331	14641													
		OBS	0400	0198	34490	2759			14641													

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS			WEATHER 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	
318160		WE	75328N	069285W		259	59	10	02	083	1969	WE2	085	0470					72	7	8	0085
						WATER		WIND		BARO-METER		AIR TEMP. °C		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	(mbal)	DRY BULB	WET BULB	VIS. CODE									
						DT	S	12	S18	134	-011	-021	8	13								
MESSAGE TIME HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_t	$\Sigma \Delta D$ DYN. M. $\times 10^3$	SOUND VELOCITY	O ₂ ml/l	PO ₄ -P $\mu\text{g} \cdot \text{dl}^{-1}$	TOTAL-P $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₂ -N $\mu\text{g} \cdot \text{dl}^{-1}$	NO ₃ -N $\mu\text{g} \cdot \text{dl}^{-1}$	SiO ₄ -Si $\mu\text{g} \cdot \text{dl}^{-1}$	pH	S. COC.					
	083	STD	0000	-0090	3290	2647	0015688	0000	14422													
		OBS	0000	-0090	32900	2647			14422													
		STD	0010	-0093	3293	2650	0015442	0016	14423													
		OBS	0010	-0093	32930	2650			14423													
		STD	0020	-0087	3325	2675	0013004	0030	14432													
		OBS	0020	-0087	33250	2675			14432													
		STD	0030	-0090	3339	2687	0011917	0042	14434													
		OBS	0030	-0090	33390	2687			14434													
		STD	0050	-0115	3350	2696	0010981	0065	14427													
		OBS	0050	-0115	33500	2696			14427													
		STD	0075	-0100	3362	2706	0010099	0091	14440													
		OBS	0075	-0100	33620	2706			14440													
		STD	0100	-0038	3374	2713	0009417	0116	14475													
		OBS	0100	-0038	33740	2713			14475													
		STD	0125	0037	3386	2719	0008872	0139	14515													
		OBS	0125	0037	33860	2719			14515													
		STD	0150	0065	3394	2724	0008424	0160	14533													
		OBS	0150	0065	33940	2724			14533													
		STD	0200	0144	3410	2731	0007737	0201	14579													
		OBS	0200	0144	34100	2731			14579													
		STD	0250	0172	3427	2743	0006675	0237	14602													
		OBS	0250	0172	34270	2743			14602													
		STD	0300	0186	3436	2749	0006124	0269	14617													
		OBS	0300	0186	34360	2749			14617													
		STD	0400	0230	3449	2756	0005559	0327	14655													
		OBS	0400	0230	34490	2756			14655													

TABLE III.— Continued

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT.	PER	SEA		TYPE	AMT		
318160	WE		75250N	069480W		259	59	10	02	095	1969	WE2	086	0540						72	7	8	0086	
						WATER		WIND		BARO-METER		AIR TEMP., °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OF FORCE	METER (mbs)	DRY BULB	WET BULB												
						DT	S	15	S17	125	-001	-012	8	14										
MESSNGR TIME of HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C							
	095	STD	0000	-0090	3281	2640	0016378	0000	14421															
		OBS	0000	-0090	32810	2640			14421															
		STD	0010	-0090	3300	2655	0014915	0016	14425															
		OBS	0010	-0090	33000	2655			14425															
		STD	0020	-0090	3329	2679	0012688	0029	14431															
		OBS	0020	-0090	33290	2679			14431															
		STD	0030	-0091	3346	2692	0011377	0041	14434															
		OBS	0030	-0091	33460	2692			14434															
		STD	0050	-0090	3353	2698	0010835	0064	14439															
		OBS	0050	-0090	33530	2698			14439															
		STD	0075	-0146	3363	2708	0009877	0090	14418															
		OBS	0075	-0146	33630	2708			14418															
		STD	0100	-0129	3366	2710	0009683	0114	14431															
		OBS	0100	-0129	33660	2710			14431															
		STD	0125	-0090	3382	2721	0008583	0137	14456															
		OBS	0125	-0090	33820	2721			14456															
		STD	0150	0006	3390	2724	0008399	0158	14505															
		OBS	0150	0006	33900	2724			14505															
		STD	0200	0151	3419	2738	0007107	0197	14583															
		OBS	0200	0151	34190	2738			14583															
		STD	0250	0201	3434	2746	0006374	0231	14615															
		OBS	0250	0201	34340	2746			14615															
		STD	0300	0228	3442	2751	0006018	0262	14637															
		OBS	0300	0228	34420	2751			14637															
		STD	0400	0231	3450	2757	0005493	0319	14656															
		OBS	0400	0231	34500	2757			14656															
		STD	0500	0202	3453	2762	0005062	0372	14660															
		OBS	0500	0202	34530	2762			14660															

REFERENCE		SHIP CODE	LATITUDE ° 1/10	LONGITUDE ° 1/10	DEPTH INDEX	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF SAMPLES	WAVE OBSERVATIONS				WEATHER CODE	CLOUD CODES		NODC STATION NUMBER	
CRUISE CODE	ID. NO.					10"	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT.	PER	SEA		TYPE	AMT		
318160	WE		75170N	068240W		259	58	10	02	116	1969	WE2	087	0470									0087	
						WATER		WIND		BARO-METER		AIR TEMP., °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS						
						COLOR CODE	TRANSL. (m)	DIR.	SPEED OF FORCE	METER (mbs)	DRY BULB	WET BULB												
						DT	S	14	S05	130	-011	-011	5	13										
MESSNGR TIME of HR 1/10	CASST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ}	$\Sigma \Delta \rho$ 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 C							
	116	STD	0000	-0100	3256	2620	0018265	0000	14413															
		OBS	0000	-0100	32560	2620			14413															
		STD	0010	-0095	3268	2629	0017353	0018	14418															
		OBS	0010	-0095	32680	2629			14418															
		STD	0020	-0092	3284	2642	0016130	0035	14424															
		OBS	0020	-0092	32840	2642			14424															
		STD	0030	-0092	3322	2673	0013212	0049	14431															
		OBS	0030	-0092	33220	2673			14431															
		STD	0050	-0102	3340	2688	0011789	0074	14432															
		OBS	0050	-0102	33400	2688			14432															
		STD	0075	-0127	3352	2698	0010776	0102	14426															
		OBS	0075	-0127	33520	2698			14426															
		STD	0100	-0109	3360	2704	0010208	0129	14440															
		OBS	0100	-0109	33600	2704			14440															
		STD	0125	-0023	3375	2713	0009403	0153	14486															
		OBS	0125	-0023	33750	2713			14486															
		STD	0150	0016	3384	2718	0008908	0176	14509															
		OBS	0150	0016	33840	2718			14509															
		STD	0200	0113	3405	2730	0007900	0218	14564															
		OBS	0200	0113	34050	2730			14564															
		STD	0250	0174	3420	2737	0007218	0256	14602															
		OBS	0250	0174	34200	2737			14602															
		STD	0300	0199	3428	2742	0006831	0291	14622															
		OBS	0300	0199	34280	2742			14622															
		STD	0400	0203	3449	2758	0005326	0352	14643															
		OBS	0400	0203	34490	2758			14643															

TABLE III.—Continued

REFERENCE CITY CODE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)				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	
318160	WE	75260N	068110W	259	58	10	02	148	1969	WE2	088	0300							01	7	8	0088	

WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. m1	DIR.	SPEED OR FORCE		DRY BULB	WET BULB			
DT	S	10	S08	128	-033	-022	9	11	

MESSNGR TIME HR 1/10	CAST OF ND.	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 $\mu\text{g} - \text{dl/l}$	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
148		STD	0000	-0090	3270	2631	0017221	0000	14419								
		OBS	0000	-0090	32700	2631			14419								
		STD	0010	-0095	3270	2631	0017200	0017	14419								
		OBS	0010	-0095	32700	2631			14419								
		STD	0020	-0088	3295	2651	0015300	0033	14427								
		OBS	0020	-0088	32950	2651			14427								
		STD	0030	-0089	3325	2675	0012992	0048	14432								
		OBS	0030	-0089	33250	2675			14432								
		STD	0050	-0122	3352	2698	0010806	0071	14424								
		OBS	0050	-0122	33520	2698			14424								
		STD	0075	-0080	3360	2703	0010324	0098	14449								
		OBS	0075	-0080	33600	2703			14449								
		STD	0100	-0098	3370	2712	0009482	0123	14446								
		OBS	0100	-0098	33700	2712			14446								
		STD	0125	0010	3386	2720	0008728	0145	14502								
		OBS	0125	0010	33860	2720			14502								
		STD	0150	0065	3393	2723	0008500	0167	14533								
		OBS	0150	0065	33930	2723			14533								
		STD	0200	0140	3413	2734	0007482	0207	14577								
		OBS	0200	0140	34130	2734			14577								
		STD	0250	0190	3429	2743	0006664	0242	14610								
		OBS	0250	0190	34290	2743			14610								

REFERENCE CITY CODE	SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INDICATOR	MARSDEN SQUARE		STATION TIME (GMT)				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		
318160	WE	75356N	067580W	259	57	10	02	159	1969	WE2	089	0290									01	7	8	0089

WATER		WIND		BARO- METER (mb)	AIR TEMP. °C		VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS
COLOR CODE	TRANS. m1	DIR.	SPEED OR FORCE		DRY BULB	WET BULB			
DT	S	10	S08	128	-033	-022	9	11	

MESSNGR TIME HR 1/10	CAST OF ND.	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 $\mu\text{g} - \text{dl/l}$	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
159		STD	0000	-0077	3280	2639	0016497	0000	14427								
		OBS	0000	-0077	32800	2639			14427								
		STD	0010	-0079	3285	2643	0016101	0016	14428								
		OBS	0010	-0079	32850	2643			14428								
		STD	0020	-0082	3287	2644	0015933	0032	14429								
		OBS	0020	-0082	32870	2644			14429								
		STD	0030	-0065	3335	2683	0012312	0046	14445								
		OBS	0030	-0065	33350	2683			14445								
		STD	0050	-0105	3350	2696	0011013	0070	14432								
		OBS	0050	-0105	33500	2696			14432								
		STD	0075	-0080	3360	2703	0010324	0096	14449								
		OBS	0075	-0080	33600	2703			14449								
		STD	0100	-0030	3370	2709	0009758	0122	14478								
		OBS	0100	-0030	33700	2709			14478								
		STD	0125	0030	3382	2716	0009138	0145	14511								
		OBS	0125	0030	33820	2716			14511								
		STD	0150	0084	3394	2723	0008540	0167	14541								
		OBS	0150	0084	33940	2723			14541								
		STD	0200	0152	3416	2736	0007341	0207	14583								
		OBS	0200	0152	34160	2736			14583								
		STD	0250	0187	3428	2743	0006715	0242	14608								
		OBS	0250	0187	34280	2743			14608								

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER 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	TRF		AMT		
318160		WE	75452N	067443W	259	57	10	02	169	1969	WE2	090	0220					01	7	7		0090			
		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		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
		DT		S		10		S08		051		000		-002		9		12							

MESSAGE TIME of HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t ?	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.C.
169		STD	0000	-0038	3281	2638	0016561	0000	14445								
		OBS	0000	-0038	32810	2638			14445								
		STD	0010	-0044	3282	2639	0016457	0017	14444								
		OBS	0010	-0044	32820	2639			14444								
		STD	0020	-0046	3283	2640	0016368	0033	14445								
		OBS	0020	-0046	32830	2640			14445								
		STD	0030	-0035	3300	2653	0015107	0049	14454								
		OBS	0030	-0035	33000	2653			14454								
		STD	0050	-0028	3321	2670	0013523	0077	14463								
		OBS	0050	-0028	33210	2670			14463								
		STD	0075	-0030	3350	2693	0011292	0108	14471								
		OBS	0075	-0030	33500	2693			14471								
		STD	0100	-0012	3362	2702	0010452	0135	14485								
		OBS	0100	-0012	33620	2702			14485								
		STD	0125	0031	3374	2710	0009752	0161	14510								
		OBS	0125	0031	33740	2710			14510								
		STD	0150	0050	3383	2716	0009172	0184	14524								
		OBS	0150	0050	33830	2716			14524								
		STD	0200	0102	3398	2725	0008357	0228	14558								
		OBS	0200	0102	33980	2725			14558								

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'AMPL'S	WAVE OBSERVATIONS			WEATHER 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	TRF		AMT		
318160		WE	75490N	072530W	260	52	09	25	089	1969	WE2	00A	0360					68	6	8		0091			
		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		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS							
		DT		S		14		S08		051		000		-002		9		12							

MESSAGE TIME of HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S ‰	SIGMA-T	SPECIFIC VOLUME ANOMALY-σ _t ?	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.C.
089		STD	0000	-0020	3260	2620	0018239	0000	14450								
		OBS	0000	-0020	32600	2620			14450								
		STD	0010	-0030	3262	2622	0018042	0018	14448								
		OBS	0010	-0030	32620	2622			14448								
		STD	0020	-0040	3310	2661	0014326	0034	14451								
		OBS	0020	-0040	33100	2661			14451								
		STD	0030	-0075	3335	2683	0012276	0048	14440								
		OBS	0030	-0075	33350	2683			14440								
		STD	0050	-0105	3354	2699	0010707	0071	14432								
		OBS	0050	-0105	33540	2699			14432								
		STD	0075	-0110	3365	2708	0009835	0096	14436								
		OBS	0075	-0110	33650	2708			14436								
		STD	0100	-0040	3378	2716	0009103	0120	14474								
		OBS	0100	-0040	33780	2716			14474								
		STD	0125	-0010	3390	2724	0008322	0142	14494								
		OBS	0125	-0010	33900	2724			14494								
		STD	0150	-0056	3392	2728	0007950	0162	14477								
		OBS	0150	-0056	33920	2728			14477								
		STD	0200	-0028	3408	2740	0006848	0199	14500								
		OBS	0200	-0028	34080	2740			14500								
		STD	0250	-0018	3418	2747	0006129	0232	14515								
		OBS	0250	-0018	34180	2747			14515								
		STD	0300	-0010	3427	2754	0005480	0261	14528								
		OBS	0300	-0010	34270	2754			14528								

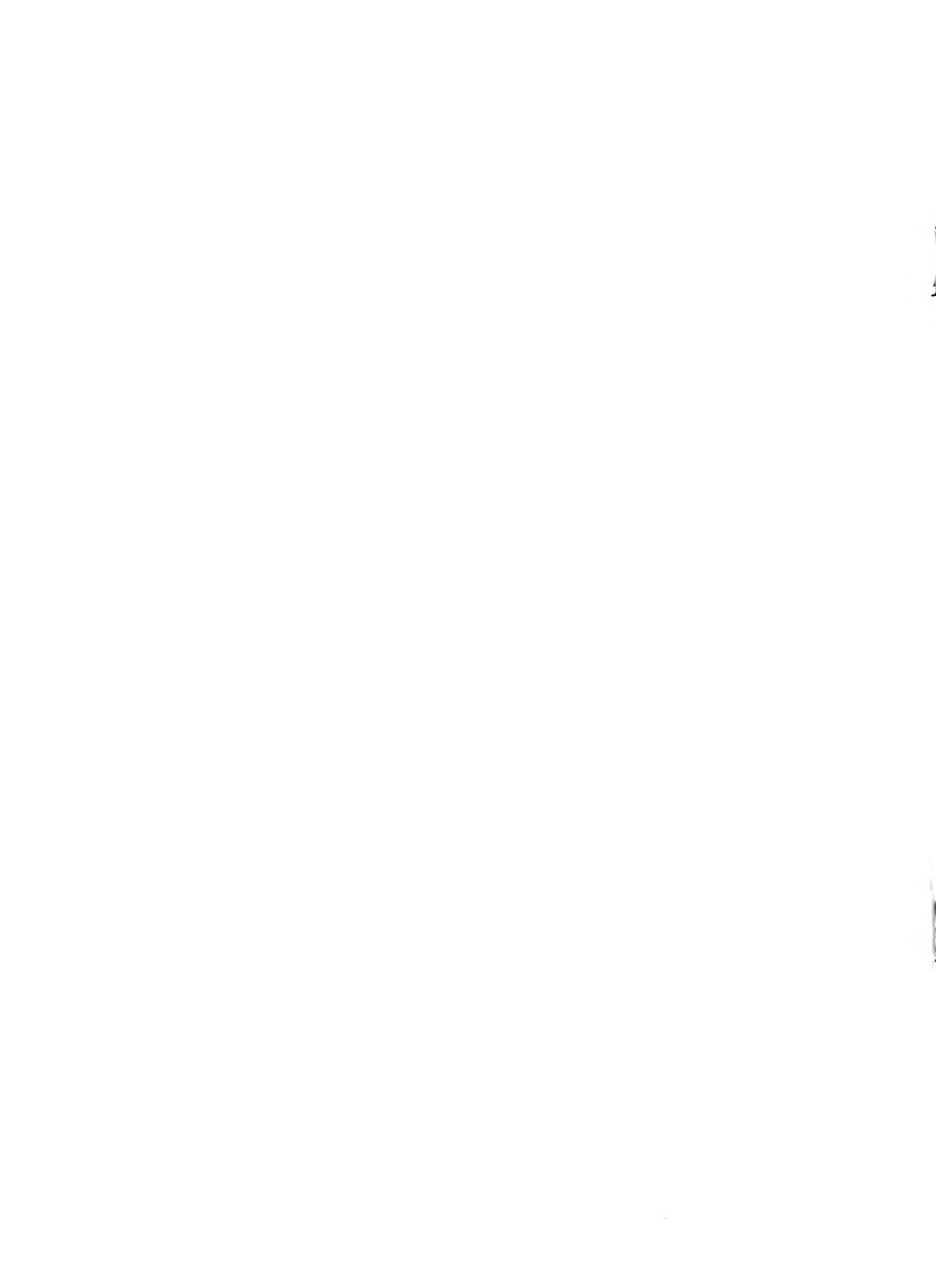
TABLE III.—Continued

REFERENCE CTRY CODE	SHIP ID. NO. CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DRIFT INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA				
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA				
318160	WE	7600N	073300W	260	63	09	25	102	1969	WE2	00B	0340						03	5	8		0092
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbx)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					DT	S	09	S15	045	-008	-011	9	12									
MESSENGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ} ?	$\Sigma \Delta$ 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 C					
102		STD	0000	-0068	3270	2630	0017294	0000	14430													
		OBS	0000	-0068	32700	2630			14430													
		STD	0010	-0070	3270	2630	0017281	0017	14430													
		OBS	0010	-0070	32700	2630			14430													
		STD	0020	-0073	3270	2630	0017265	0035	14430													
		OBS	0020	-0073	32700	2630			14430													
		STD	0030	-0080	3310	2663	0014172	0050	14434													
		OBS	0030	-0080	33100	2663			14434													
		STD	0050	-0116	3332	2682	0012357	0077	14424													
		OBS	0050	-0116	33320	2682			14424													
		STD	0075	-0111	3352	2698	0010827	0106	14433													
		OBS	0075	-0111	33520	2698			14433													
		STD	0100	-0100	3363	2706	0010010	0132	14444													
		OBS	0100	-0100	33630	2706			14444													
		STD	0125	-0084	3373	2714	0009294	0156	14457													
		OBS	0125	-0084	33730	2714			14457													
		STD	0150	-0075	3380	2719	0008785	0179	14466													
		OBS	0150	-0075	33800	2719			14466													
		STD	0200	0037	3407	2736	0007272	0219	14530													
		OBS	0200	0037	34070	2736			14530													
		STD	0250	-0015	3416	2746	0006296	0253	14516													
		OBS	0250	-0015	34160	2746			14516													
		STD	0300	0020	3423	2750	0005954	0283	14541													
		OBS	0300	0020	34230	2750			14541													

REFERENCE CTRY CODE	SHIP ID. NO. CODE	LATITUDE * 1/10	LONGITUDE * 1/10	DRIFT INCHES	MARDEN SQUARE		STATION TIME (GMT)			YEAR	ORIGINATOR'S		DEPTH TO BOTTOM	MAX. DEPTH OF S'PL'S	WAVE OBSERVATIONS				WEA- THER CODE	CLOUD CODES TYPE AMT	NODC STATION NUMBER	
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA				
					10'	1"	MO	DAY	HR./10		CRUISE NO.	STATION NUMBER			DIR.	HGT	PER	SEA				
318160	WE	76075N	073150W	260	63	09	25	117	1969	WE2	00C	0340						03	5	8		0093
					WATER		WIND		BARO- METER		AIR TEMP. °C		VIS. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS					
					COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	BARO-METER (mbx)	DRY BULB	WET BULB	VIS. CODE	NO. OBS. DEPTHS	SPECIAL OBSERVATIONS								
					DT	S	09	S12	045	-008	-011	9	12									
MESSENGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %.	SIGMA-T	SPECIFIC VOLUME ANOMALY- σ_{θ} ?	$\Sigma \Delta$ 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 C					
117		STD	0000	-0090	3270	2631	0017221	0000	14419													
		OBS	0000	-0090	32700	2631			14419													
		STD	0010	-0094	3272	2633	0017050	0017	14419													
		OBS	0010	-0094	32720	2633			14419													
		STD	0020	-0097	3273	2634	0016957	0034	14420													
		OBS	0020	-0097	32730	2634			14420													
		STD	0030	-0082	3310	2663	0014165	0050	14434													
		OBS	0030	-0082	33100	2663			14434													
		STD	0050	-0096	3336	2684	0012116	0076	14434													
		OBS	0050	-0096	33360	2684			14434													
		STD	0075	-0120	3352	2698	0010798	0105	14429													
		OBS	0075	-0120	33520	2698			14429													
		STD	0100	-0090	3370	2712	0009511	0130	14450													
		OBS	0100	-0090	33700	2712			14450													
		STD	0125	-0073	3380	2719	0008803	0153	14463													
		OBS	0125	-0073	33800	2719			14463													
		STD	0150	-0022	3390	2725	0008259	0174	14492													
		OBS	0150	-0022	33900	2725			14492													
		STD	0200	-0060	3412	2744	0006392	0211	14486													
		OBS	0200	-0060	34120	2744			14486													
		STD	0250	-0048	3420	2750	0005826	0241	14501													
		OBS	0250	-0048	34200	2750			14501													
		STD	0300	-0015	3426	2754	0005529	0270	14526													
		OBS	0300	-0015	34260	2754			14526													

TABLE III.—Continued

REFERENCE		SHIP CODE	LATITUDE 1/10	LONGITUDE 1/10	DEPTH METERS	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
CITY CODE	ID. NO.					10"	1"	MO	DAY	HR.1/10		CRUISE NO.	STATION NUMBER			DIR	HGT	PER		SEA	TYPE	
318160		WE	76165N	072390W	260	62	09	25	131	1969	WE2	000	0440					03	5	8	0094	
						WATER		WIND		BARO- METER		AIR TEMP. °C		VIL. CODE		NO. OBS. DEPTHS		SPECIAL OBSERVATIONS				
						COLOR CODE	TRANS. (m)	DIR.	SPEED OR FORCE	METER (mbal)	DRY BULB	WET BULB										
						0T	S	12	S25	055	-008	-011	9	13								
MESSNGR TIME OF HR 1/10	CAST NO.	CARD TYPE	DEPTH (m)	T °C	S %	SIGMA-T	SPECIFIC VOLUME AND MALT-10 ⁷	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 C C					
131		STD	0000	-0080	3275	2635	0016870	0000	14425													
		OBS	0000	-0080	32750	2635			14425													
		STD	0010	-0080	3276	2635	0016788	0017	14426													
		OBS	0010	-0080	32760	2635			14426													
		STD	0020	-0083	3277	2636	0016696	0034	14427													
		OBS	0020	-0083	32770	2636			14427													
		STD	0030	-0072	3321	2671	0013358	0049	14440													
		OBS	0030	-0072	33210	2671			14440													
		STD	0050	-0082	3342	2689	0011705	0074	14441													
		OBS	0050	-0082	33420	2689			14441													
		STD	0075	-0096	3356	2701	0010572	0102	14441													
		OBS	0075	-0096	33560	2701			14441													
		STD	0100	-0079	3377	2717	0009018	0126	14456													
		OBS	0100	-0079	33770	2717			14456													
		STD	0125	-0046	3384	2721	0008612	0148	14476													
		OBS	0125	-0046	33840	2721			14476													
		STD	0150	-0013	3394	2728	0007998	0169	14497													
		OBS	0150	-0013	33940	2728			14497													
		STD	0200	-0024	3405	2737	0007096	0207	14502													
		OBS	0200	-0024	34050	2737			14502													
		STD	0250	-0038	3417	2748	0006103	0240	14505													
		OBS	0250	-0038	34170	2748			14505													
		STD	0300	-0030	3423	2752	0005677	0269	14518													
		OBS	0300	-0030	34230	2752			14518													
		STD	0400	-0032	3431	2759	0005040	0323	14535													
		OBS	0400	-0032	34310	2759			14535													



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