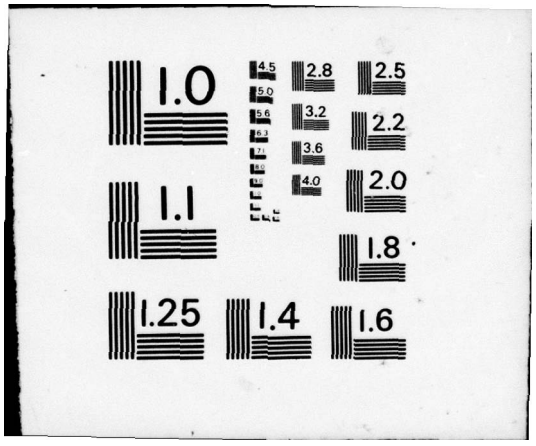
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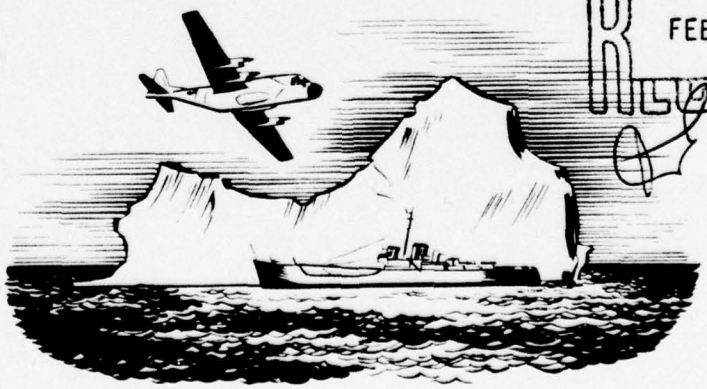
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OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND

MARCH 1971-DECEMBER 1972

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(10) *Robert W. Scobie*

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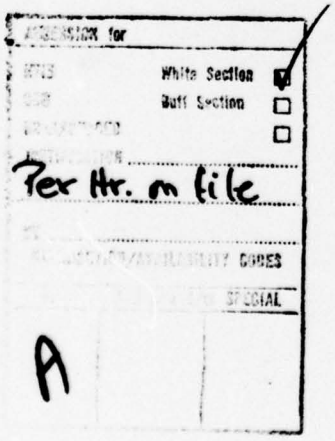
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USCGC EVERGREEN (WAGO 295)

ABSTRACT

Results of oceanographic surveys off the Grand Banks of Newfoundland from April through June 1972 in support of International Ice Patrol and twelve occupations of Standard Sections A1–A4 are discussed. Analysis includes vertical temperature and salinity profiles for each section as well as dynamic-topographic charts for each Ice Patrol survey. Normal dynamic topography charts of the Grand Banks region are updated. Results are similar to those obtained by Soule (1964). Finally there is a discussion of the oceanographic and meteorological conditions which caused more icebergs to drift south of 48°N in 1972 than in any previous year in Ice Patrol history. These conditions include iceberg supply, wind, currents, waves/sea ice, sea temperatures, air temperatures, and precipitation. It is concluded that the single most important factor effecting these conditions is the location and intensity of the Icelandic low.



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OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND

March 1971—December 1972

Robert W. Scobie [1]

INTRODUCTION

The iceberg threat to North Atlantic shipping was more severe in 1972 than in any other year in International Ice Patrol (IIP) history. The ice season officially extended from 29 February to 4 September—the longest ever. During that period, a record 1587 icebergs were reported south of 48°N. This surpassed the previous high of 1320 icebergs sighted in 1929. In 1972 icebergs were reported as far east as 47°02′N, 36°59′W and as far south as 39°57′N, 45°06′W. For the first time since 1959, conditions were severe enough to require a surface patrol to standby the southernmost iceberg. This duty was shared by several Coast Guard cutters from 25 April until 25 July when icebergs were no longer a threat below 43°N.

Oceanographic Operations

During the months of April, May, and June, when the iceberg threat was greatest, three oceanographic cruises were conducted to the area immediately eastward of the Grand Banks of Newfoundland by the USCGC EVERGREEN (WAGO–295). The purpose of these cruises was two-fold. First, it was to provide Commander, International Ice Patrol (CIIP) with real-time oceanographic data for predicting iceberg drift in the North Atlantic Ocean. Second, it was to support U.S. Coast Guard oceanographic research programs. The crew of CGC EVERGREEN was augmented with a field party of scientists and technicians from the U.S. Coast Guard Oceanographic Unit (CG OCEANOU) on each of these cruises.

Itinerary

On 3 April the CGC EVERGREEN departed its homeport of Boston, Massachusetts on a 21-day cruise which included a one day port call at St. John's Newfoundland. The oceanographic work conducted on this cruise consisted of 72 STD stations taken along 7 standard Ice Patrol sections extending from A2 to A4 (fig. 1). Several casts were taken at other than the desired position because of locally heavy concentrations of icebergs.

During the second cruise of 17 days, which began on 5 May, 53 STD stations were occupied on six standard sections from A4 to A2B. The final CGC EVERGREEN cruise of the season commenced on 3 June. After completing section A4 and part of section A3C, a large dead-in-the-water contact appeared on the radar. Proceeding slowly through thick fog, CGC EVERGREEN was able to identify the contact as a large tabular iceberg located at 42°42′N, 49°20′W. Commander International Ice Patrol then ordered CGC EVERGREEN to standby this iceberg and assume full duties of surface patrol vessel. Thus from 7 June until 15 June, oceanographic work was confined to the area around the iceberg. During this period STD casts, XBT casts, and photographs of the iceberg were taken. After being relieved of this responsibility, an abbreviated survey along 4 sections from A3B to A2 was conducted. Of the 54 STD casts taken during this cruise, 16 were taken near the large iceberg. The CGC EVERGREEN returned to Boston on 22 June.

[1] U.S. Coast Guard Oceanographic Unit, Bldg. 159–E, Navy Yard Annex, Washington, D.C. 20590.

Other Occupations of Standard Sections

Twelve other occupations of Coast Guard standard sections A1–A4 are listed in Appendix A. These were conducted by Coast Guard cutters traveling to or from ocean station patrols. The 1971 occupations are included as they have not previously been reported in the CG–373 Series.

INSTRUMENTATION AND METHODS

International Ice Patrol Cruises

Data from all 179 oceanographic stations taken during the three 1972 Ice Patrol cruises aboard CGC EVERGREEN were obtained using a Plessey Environmental Systems, Model 9040, S/T/D Environmental Profiling System (STD). The Plessey Environmental Systems, Model 8114A, Digital Data Logger (DDL) was used to record these data on magnetic tape. However, as CGC EVERGREEN did not have the on board computer capability to process DDL tapes, it was necessary to read the STD analog traces and to transmit the data including quality control temperatures and salinities to CG OCEANOU for real-time processing. This processing was accomplished with a Honeywell DDP–516 computer utilizing the programs described by Hislop (1973). Following the Ice Patrol season, the DDL tapes were processed on the Control Data Corporation (CDC) 3300 computer using the procedures described by Rosebrook (1974).

A Niskin bottle, equipped with two protected and two unprotected deep sea reversing thermometers, was attached immediately above the underwater sensing unit on all deep stations for quality control. Conductivity ratios of these samples were determined on board CGC EVERGREEN using a portable inductive salinometer and were converted to salinities using formulae published in the International Oceanographic Tables (1966). Temperatures were also processed on board CGC EVERGREEN with a Dietzgen Model 7410–PA programmable calculator with programs developed at CG OCEANOU. Dynamic heights in shallow water were calculated using the modified Helland-Hansen method described by Kollmeyer et al., (1967).

Occupation of Standard Sections

Data from the 12 occupations of standard sections A1–A4 reported here were obtained from either STD or Nansen casts depending on how each ship was outfitted. The cast procedures outlined in the Manual for Oceanographic Operations (CG–410) were followed during these occupations. Station data were processed using conventional CG OCEANOU procedures. Vertical temperature and salinity profiles for these occupations are presented as Figures 2 through 24. Similar profiles for all IIP occupations of A2, A3, and A4 are also presented (figs. 25 through 38).

UPDATING THE NORMAL DYNAMIC TOPOGRAPHY CHARTS

Background

Floyd M. Soule, who was a prominent member of International Ice Patrol for a period spanning more than 30 years, published the original normal dynamic topography charts of the Grand Banks area (Soule, 1964). These charts were developed primarily for use by Commander, International Ice Patrol (CIIP). Before explaining how they were updated, the evolution and use of these charts will be reviewed.

The 15 April 1912 sinking of the luxury liner Titanic following her collision with an iceberg at 41°16′N, 50°14′W, some 300 miles south of Newfoundland, prompted international shipping interests to demand that an organization be formed to continually advise the mariner of the iceberg danger. The result of this outcry was the establishment of the International Ice Patrol by the International Convention for the Safety of Life At Sea (SOLAS) in 1913. This service, financed by SOLAS member nations and operated by the U.S. Coast Guard, is designed to advise the mariner of any iceberg danger, as well as to conduct oceanographic research, in the area of the Grand Banks. The oceanographic conditions in this area are very complex as it is the confluence region of the cold southerly flowing Labrador Current and the warm northerly flowing North Atlantic Current.

During the first few years of Ice Patrol, the emphasis was placed on ice observation and advisories. As a result, the oceanographic data collected was quite sparse and of only limited value. However, as oceanographic techniques and equipment improved, it became apparent that oceanographic operations could be valuable to CIIP. For the first time in 1931 an Ice Patrol vessel was devoted to oceanographic research, and by 1934 data were being collected in a systematic and concentrated manner.

That year, two significant changes in IIP operations occurred. First the Wenner Salinity Bridge replaced the tedious titration method previously used to determine salinity. This greatly improved the accuracy and ease with which salinity samples could be determined (Soule and Hoyle, 1935). This instrument was used exclusively through the 1961 ice season. Then after two years of comparative testing, it was phased out and replaced by commercially produced portable inductive salinometers. The second change in 1934 was the replacement of the Jacobsen and Jensen method of determining dynamic heights in shallow water with the Helland-Hansen method (Soule and Hoyle, 1935). This method is still used, although it has been slightly modified for adaption to computer usage (Kollmeyer, et al., 1967).

Since 1934 only one other major change in the collection and processing of data has been made. In 1966, the STD replaced the Nansen bottle as the primary sampling device. However, Nansen bottles equipped with deep sea reversing thermometers continue to be used to quality control STD data.

Use

Every year that IIP has been conducted since 1934, at least some time has been spent surveying the northeastern, eastern, and southern slopes of the Grand Banks. As the general oceanic circulation in this area is similar from year to year, Soule felt that monthly normal dynamic topography charts would be of use to CIIP. They definitely have been. At times during the peak of the ice season (April-July), when no data are being collected, CIIP utilizes the normal charts as an aid in predicting iceberg drift.

Update

Soule's normal charts were based on 22 years of data collected from 1934–1941 and 1949–1961; IIP was suspended during World War II. For this first revision of the normal charts, data from 1962 through 1972 were added to the original data base. The data used in this revision consist of

- April—Forty-three surveys (no data from 1969)
- May—Forty-five surveys (no data from 1955 and 1969)
- June—Twenty-nine surveys (no data from 1941, 1951, 1957, 1963, 1965, 1966, 1969–1971)
- July—(no data prior to WW II nor from 1949, 1950, 1954, 1958, 1959, 1965, 1966, 1968–1972).

The July chart is somewhat abbreviated covering only a small area east of Cape Bonavista. From 1934 through 1972, no other areas were surveyed during July.

Data for the revised charts were processed exactly in the same manner as described by Soule (1964). Briefly, dynamic height values, dynamic height of the sea surface relative to the 1000 decibar surface, for each survey were computed at twenty minute intervals of latitude and longitude in the area surveyed. The dynamic heights at each interval were averaged for each month with equal weight given to each year rather than each survey. These average values were used to develop the monthly normal charts (figs. 41, 44, 47, 50). A standard deviation was computed at each interval. All locations with at least five surveys were used to contour a field of standard deviation for each month (figs. 42, 45, 48, 51). Finally a chart for each month (figs. 43, 46, 49, 52) was prepared which indicates data distribution and computed results at each interval according to the following format:

Individual Surveys	Years Represented
Standard Deviation in Dynamic Millimeters	Average Dynamic Height of the Sea Surface Relative to the 1,000 Decibar Surface in Dynamic Meters minus 970.00

General Comments

The Labrador and North Atlantic Currents, as well as a region of low dynamic topography between them, are clearly present on the April, May, and June normal charts. Using information from recent Canadian Hydrographic Service charts, it is clear that the bottom topography affects the flow of both currents. The steepest gradients of the Labrador Current closely parallel the bottom contours along the eastern slope of the Grand Banks implying that the Grand Banks acts as a lateral boundary of this current. The flow of the North Atlantic Current is influenced as it passes over and around the northern end of the Newfoundland Ridge which is located south of the Tail of the Bank.

Current direction can be inferred quite realistically from the normal charts as being parallel to the isopleths of dynamic heights. However, geostrophic speeds are not as easily determined. Due to the averaging process, speeds calculated by taking measurements perpendicular to the isopleths of dynamic height are lower than those that actually exist in the Labrador Current. Thus the current as calculated from the normal charts only approaches a maximum of 40 cm/sec in a few extreme cases in the core of the Labrador Current. Whereas experiments such as those conducted by International Ice Patrol (direct measurement by parachute drogues) in 1966 (Wolford, 1969) indicate the speed of the Labrador Current actually varies from 50 to over 100 cm/sec. Thus when using the normal charts, one must be careful not to underestimate the current speed.

The fact that these revised charts closely resemble Soule's adds validity to the assumption that the general circulation in this area is basically the same from year to year. This is especially true for the core of the Labrador Current and the dynamic "trough" to the east of this current. Standard deviations are greatest near 41°N, 50°W and 42.5°N, 46°W. These are the areas which contain meanders of the North Atlantic Current. Annual changes combined with steep gradients result in standard deviations being as high as 20 centimeters in May.

1972 DYNAMIC TOPOGRAPHY SURVEYS

As has been the practice of HP for many years, the 1000 decibar surface was used as a reference level in calculating dynamic heights from the 1972 data. Experiments as recent as 1970 (Ettle and Wolford, 1972) have shown that this level is suitable for HP work. Thus, it is possible to compare the dynamic topography of each 1972 survey (figs. 53, 54, and 55) directly with past surveys and the monthly normal charts. Such comparisons appear in later sections.

1972 ICEBERG STUDIES

Three icebergs were tracked by Coast Guard cutters, while acting as the surface patrol vessel, during the 1972 ice season. From 5 to 11 May, the CGC VIGOROUS (WMEC–627) tracked a medium iceberg using celestial fixes as the primary means of navigation. The May 1972 oceanographic survey (fig. 54) did not cover the area where this iceberg was drifting. However, from the May normal chart (fig. 44) and the May 1972 survey it is apparent that this iceberg was located well into the North Atlantic Current when it was being studied. This iceberg, drifting an average of more than 30 nmi per day, was predominantly effected by the North Atlantic Current (fig. 56). Only during the early part of the study period did the wind, which averaged 17 kns from 224°T (fig. 56), have any significant effect on the iceberg's drift.

CGC EVERGREEN tracked two icebergs—a large tabular iceberg from 8 to 15 June and a small iceberg from 9 to 13 June. Due to heavy fog, Loran A, with an accuracy of 3–5 miles, was used for positioning during this study. These icebergs drifted around in the same general area during the study period (fig. 57). These drifts were in great contrast to the one in May. During this study four sets of four STD stations were taken around the large iceberg. The general flow of the current in this area was southerly (fig. 58), although not nearly as constant as in the core of the Labrador Current which existed farther to the north. From the iceberg drift, it appears that the effect on these icebergs from the southerly flowing current was to a great degree offset by the effect of the wind (fig. 57), which averaged 14 kns from 188°T during the large iceberg study and 195°T at 19 kns during the small iceberg study.

Four expendable bathythermograph (XBT) sections were conducted at two-day intervals. Each section, consisting of 10 XBTS, was on a constant bearing from the large iceberg ranging from 10 to 500 yards from the iceberg. The purpose of this experiment was to check for horizontal temperature gradients, previously mentioned by Kollmeyer et al. 1966, along each section. However, no gradient was apparent on any of these sections.

From photographs taken around an iceberg, mass determinations of that iceberg can be made. It was hoped that this could be accomplished several times during the drift study of the large iceberg, for such a study could yield information on the rate of deterioration of the iceberg. However, due to poor visibility, a good set of photographs was obtained only at the end of the drift study. At that time it was determined that the iceberg had a mass of approximately 3×10^9 kgs.

DISCUSSION OF 1972 ICE CONDITIONS

Although the number of icebergs which annually drift south of 48°N (fig. 59) fluctuates considerably, this number generally declined during the 40 years prior to 1972 (Table 1). In

TABLE 1—Yearly Average Number of the Icebergs South of 48°N

Years	*Average # of Icebergs*
1932–1941	419.1
1942–1951	418.1
1952–1961	251.6
1962–1971	146.3

fact, during that entire period, only in 1945 did this number exceed 1000. Why then did this trend come to such an abrupt end in 1972? Primarily it was a result of substantial changes in oceanographic and meteorological conditions during late 1971 and early 1972. These conditions directly affected the following factors that in turn determine the iceberg count on the Grand Banks:

- Supply of icebergs
- Wind
- Current
- Waves/Sea Ice
- Sea Temperature
- Air Temperature
- Precipitation

Iceberg Supply

Most of the icebergs which eventually reach the Grand Banks are calved from glaciers along the west coast of Greenland. Determining the annual iceberg production of these glaciers is a difficult task complicated by the remoteness of this vast region. One census will not result in an accurate count as icebergs may survive for several years in the survey area. To obtain an accurate production figure, it is necessary to conduct several censuses over a period of years while taking into account such factors as melting and calving of icebergs. Since such studies have not been undertaken, it is not surprising that estimates of annual iceberg production vary greatly. Wolford (1972) reports several estimates of iceberg production ranging from 7,500 to 40,000 and suggests that the higher value is more realistic. Using even the most conservative estimates, the annual supply of icebergs is substantial enough to support heavy ice seasons on the Grand Banks.

Each year IIP conducts iceberg reconnaissance flights from Newfoundland northward along the Canadian coast to estimate the severity of the upcoming ice season. A January 1972 flight covered the coastal area to Cape Dyer and a February 1972 flight terminated at Cape Chidley. Past experience indicated that only icebergs located south of these points at these respective months will reach the Grand Banks during the following ice season. The result of these 1972 flights was surprisingly low iceberg counts (fig. 60).

This apparent contradiction can be explained. The majority of iceberg drift studies conducted by IIP found icebergs advancing southward 3 to 6 miles per day. However, in some instances, advances in excess of 20 miles per day have been noted (Wolford, 1972). Under ideal conditions, as was the case in 1972, it is not unreasonable to assume that icebergs can maintain a speed of advance of 0.5 knots over a long period of time. At this rate, icebergs that were in Baffin Bay in January could reach the Grand Banks during the ice season. With the supply of icebergs in Baffiin Bay estimated to be more than 40,000 at any one time (Sanderson and Davis, 1972), only a small fraction of these icebergs is needed to greatly increase the severity of the ice season. This is what is believed to have happened in 1972.

Winds

Icebergs are transported to the Grand Banks by a complex combination of wind and current.

The wind acts directly on the subaerial portion of the iceberg and indirectly on the submerged portion through the force which it imparts on the ocean surface. The prevailing winds along the eastern Canadian coast are from the northwest, which are the most favorable for transporting icebergs toward the Grand Banks. Winds from any other direction tend to impede the advance of the icebergs. Obviously the advance of icebergs would be blocked by winds from the south. Easterly winds cause the icebergs to drift toward the Canadian coast where they ground and deteriorate. Westerly winds force icebergs out of the Labrador Current into the Labrador Sea, slowing the icebergs' southern progress and exposing the icebergs to warmer water of the Labrador Sea and wave action. As Wolford (1972) points out, winds in this region are dependent on the location and intensity of the Icelandic Low. This term applies to an area where lows form and intensify rather than one particular low pressure system. Northwesterly winds increase as this low deepens. Normally this low is weak during the summer and intensifies during the winter.

Due to severe low pressure systems (fig. 61), which traversed this region during the winter of 1971–1972, the Icelandic Low was more intense than normal for every month from December 1971 through June 1972 with the exception of April 1972, when conditions were close to normal. During these months, a mean surface pressure anomaly existed as shown in January (fig. 60). Since wind anomaly is related to lines of equal pressure anomaly as winds are to isobars, Buys-Ballot's Law may be applied in determining direction of wind anomaly. During the winter of 1971–1972, the prevailing northwesterly winds were reinforced by the deeper than normal Icelandic Low. These winds were extremely favorable for iceberg drift southward along the Canadian coast.

Currents

The Baffinland and Labrador Currents transport icebergs southward toward the Grand Banks. These currents, which move much slower than the wind and are less variable, act on most of the iceberg's surface area. A well developed current system is a necessary but not sufficient condition for a heavy ice year. The Labrador Current was well developed in 1957 (Dinsmore et al., 1958), 1958 (Dinsmore et al., 1960), and 1959 (Budinger et al., 1960), but only 1957 and 1959 were heavy ice years. In 1958 other critical factors, including warmer than normal sea surface temperatures, were unfavorable and a light year resulted. At no time has there been a heavy ice season when the Labrador Current was not well developed.

Current data along the Labrador coast are very scarce, especially in the winter months. Russian scientists conducted the only survey in this area during the winter of 1971–1972. From their 8–9 November occupation of section 8–A (fig. 63), the volume transport of the Labrador Current was determined to be 6.5 Sv; which is 30% greater than normal. Later in the same cruise, section 6–A (14–15 December) and section 3–A (24–25 December), both of which are farther south, were also occupied. Volume transport was only 1.1 Sv across section 6–A and 6.8 Sv which is normal, across section 3–A (Kudlo, 1973).

On 21–22 March, CGC SHERMAN (WHEC–720) occupied section A–2 (figs. 14 and 15), and the volume transport was determined to be 2.16 Sv southward and 1.07 Sv eastward. This indicated that the southerly transport had nearly doubled since the December occupation of 6–A. It should be noted that the east-west portion of A–2 is very similar to the Russian section 6–A and the British Grand Banks-Flemish Cap section (Hill et al., 1974).

During a two week period in April, each of these sections was occupied. As part of an IIP survey, section A–2 was occupied on 7–9 April (figs. 25 and 26). The southward flow was 3.71 Sv while the eastward flow was 1.70 Sv. On 10 April, the southerly flow across section 6–A was 3.03 Sv (Kudlo, 1973). Hill et al. (1974) calculated the southerly flow to be 5.27 Sv from a 17–18 April occupation of the Flemish Cap-Grand Banks section. Two factors may have been responsible for the wide range in these transport values. First, as has been noted by Morgan (1969) and other IIP authors, the volume transport of the Labrador Current may undergo large changes over a short period of time. Second, much subjectivity is required in using the geostrophic method of determining currents especially in extrapolating values in shallow water and in selecting a reference level. As the Flemish Channel is very narrow and re-

quires much extrapolation, it is felt that in this case the second reason is the primary cause of the variation in the transport values. In addition, Hill et al. (1974) modified their geostrophic values with data from current meters located along the Grand Banks-Flemish Cap section. Although the British value is much greater than the Coast Guard's, their current profiles (fig. 64 and 65) are similar. In both cases the core of the Labrador Current is just to the east of the continental slope and an anomalous northward flow is just to the west of Flemish Cap. Comparing these data with available historical data, the Russian value is slightly greater than their normal (Kudlo, 1973) and the Coast Guard figure is higher than the running average which was terminated in 1964 (Kollmeyer et al., 1965). Thus it can be said that the Labrador Current was well developed in the first part of April.

The dynamic heights from the above occupation of section A–2 and those from the remainder of the three cruises conducted for IIP were contoured and are shown in figures 53, 54, and 55. The Labrador Current was well developed as far south as the Tail of the Bank through June with currents in excess of 50 cm/sec being found in the core. The volume transports generally increased through May before slackening in June. Such condition are extremely conductive to icebergs, southward drift.

While the flow of the Labrador Current was steady during this period, large fluctuations occurred in the North Atlantic Current and the dynamic trough region. The April dynamic topography was similar to the normal (fig. 41). However, by the May survey, conditions had changed dramatically and did not resemble either the April 1972 chart or the May normal (fig. 44). The dynamic trough had expanded and contained two distinct sections. The lower portion of the trough was adjacent to the Labrador Current as expected, but just to the east was a slightly higher portion of the trough which was dynamically flat. The temperature in this part of the trough was much higher than in the lower portion indicating that it may have been formed as a result of an eddy/meander separating from the North Atlantic Current. Another unusual condition existed south of the Tail of the Bank where the flow of the Labrador Current was abruptly blocked by a meander of the North Atlantic Current indicated by the presence of warm saline water (figs. 31 and 32). Since the June survey was abbreviated, it is impossible to determine if these conditions had returned to normal at that time.

Waves/Sea Ice

There are two ways that iceberg drift is affected by sea ice. First, surface waves are rapidly dampened as they travel under this ice which reduces the eroding effect of these waves on icebergs. Second, large amounts of sea ice will keep the icebergs from drifting into bays and inlets along the coast (Schell, 1961). The presence of sea ice is an indication that the iceberg is in cold water where no deterioration will occur. From December through June, the sea ice extended farther south and east than normal (Sanderson, 1972a, Sanderson, 1972b, and Sanderson, 1972c). The greatest departure from the normal occurred in January (fig. 66), and even as late as May, sea ice remained off the coast of Newfoundland (fig. 67). Thus during the winter of 1971–1972, heavy ice conditions were such as to reduce the mortality of icebergs drifting southward along the eastern Canadian coast.

Sea Temperatures

It is obvious that with increased sea temperatures, more iceberg melting will occur. But for the entire first half of 1972 the water in the area of interest was colder than normal. It is clear from Sanderson (1972b), and Sanderson (1972c) that the average sea surface temperatures were below normal along the Labrador and eastern Newfoundland coasts for the first six months of 1972. Specific temperatures as much as 11°C colder than normal were reported in the Grand Banks area (Bailey, 1973). This unseasonably cold condition caused the 0°C sea surface isotherm to remain south of Newfoundland throughout March (fig. 68) (Royal Met. off., 1972a), and even as late as June this isotherm extended as far south as northern Newfoundland (fig. 69) (Royal Met. off., 1972b).

Colder than normal conditions also were found at depth. Burmakin (1973) noted that temperatures along sections 8–A, 7–A, 6–A, 4–A, and 3–A were between normal and 2.2°C below normal at various times from November through May in the upper 200 meters. Several IIP sections also indicate these cold conditions. The vertical temperature profile from the 7–8 April

occupation of Section A–2 gives an indication of the early extent of the Labrador Current (fig. 25). The 0°C isotherm extended to about 150 meters for nearly the entire section. The minimum water temperature was less than −1.6°C. The 0°C isotherm is significant as little iceberg melting will occur below this temperature. This cold core extended at least to the Tail of the Bank as can be seen in the vertical temperature profile from the 18–19 April occupation of section A–4. Here the 0°C isotherm extends below 150 meters, but the minimum temperature was just less than −1.2°C. As was previously noted, conditions had changed dramatically across this section by the 9–10 May occupation (fig. 31). However, from the vertical temperature profile of the 13–14 May occupation of section A–3, (fig. 33) one can see that the core of the Labrador Current was present although restricted closer to continental slope. Temperatures less than −1.0°C were reported and the 0°C isotherm was found deeper than 200 meters. By mid-June surface water temperature along Section A–3 had increased, but a cold core with temperature less than −1.4°C was reported, and the 0°C isotherm extended to 250 meters (fig. 37).

Colder than normal conditions continued through July and August. Each year the Fisheries Research Board of Canada and Memorial University of Newfoundland conduct sections across the Labrador Current from southern Labrador to the Tail of the Bank. Through 2 August below average temperatures were recorded to as far south as Flemish Cap. Even toward the end of August, temperatures less than −1.7°C were recorded in the Labrador Current near the Tail of the Bank (Templeman, 1973). Thus the generally colder than average water conditions tended to reduce iceberg mortality through melting in 1972.

Air Temperatures

Melting of the subaerial portion of iceberg is directly related to the air temperature. From December through June, air temperatures along the coast of Labrador and Newfoundland were below normal. Monthly average temperatures were most anomalous during the first part of this period as for instance in February when the average temperature was 4°C below normal (fig. 70). Temperatures approached normal as the year progressed, but even as late as May (fig. 71) temperatures were still 2°C below normal. Temperatures recorded in the spring at four stations along the eastern Canadian coast (Table 2) were typical of these low values. It was not until June that temperatures increased to above normal and were high enough to cause substantial melting. Another indication of these conditions are frost degree day accumulations. From seven of the reporting stations in western Greenland and eastern Canada, it can be seen that record accumulations existed in each case (U.S. NAVOCEANO, 1972). Thus melting due to air temperature was also less than normal in 1972.

Precipitation

As has been noted by Wolford (1972) and other authors, iceberg deterioration is accelerated during the passing of a storm and its associated front. It was further concluded that this is caused by increased rains as well as the increased winds that accompany such storms. Wolford (1972) also presents an example demonstrating the huge heat transfer that can result from such rain. This rapid heat transfer causes increased melting as well as increased internal stresses that may cause the iceberg to calve.

It has been noted that the number of storms passing through the region of interest was greater than normal during the winter of 1971–1972 and the spring of 1972. However, due to the colder than normal conditions which prevailed, according to the weather log from October 1971 through July 1972 at the representative stations at Goose Bay, Newfoundland, Gander, Newfoundland, and St. John's (Torbay),

TABLE 2.—Monthly Average Air Temperature and Deviation From Average In °C

	APRIL		MAY		JUNE	
	AVE	*DEV*	*AVE*	*DEV*	*AVE*	*DEV*
HOPEDALE	−9.5	−4.4	−1.1	−2.8	5.0	−2.2
CARTWRIGHT	−7.2	−4.4	−0.6	−3.9	7.8	−1.1
ST. ANTHONY	−4.4	−3.3	0.0	−3.3	6.7	−1.1
ST. JOHN'S	0.0	−1.1	5.0	−0.6	15.0	4.4

Newfoundland (U.S. Dept. of Commerce, 1972) more snowfall and less rainfall than normal resulted. This snowfall resulted in a sharp increase in snow cover between 1970 and 1971 (Kukla and Kukla, 1974), and an increased snow cover also in 1972. The cold temperature of snow prohibits iceberg melting and in addition a layer of snow on an iceberg will insulate it from solar radiation which will also help reduce melting. Thus during the 1972 ice season, precipitation in the form of snow caused less iceberg deterioration than normal.

CONCLUSIONS

The record number of icebergs drifting into the North Atlantic Ocean in 1972 was a result of all critical meteorological and oceanographic being favorable for such drift prior to and during the ice season. The single most important factor in this record year was the increased intensity of the Icelandic Low. This resulted in the favorable northwesterly winds carrying colder than normal air temperatures, which in turn helped produce greater ice cover, lower sea temperatures, and less rainfall. Although the change in the Icelandic Low was the single most important change from the previous season it is noted that each condition discussed here is necessary for a record year. A change in any one would have caused a reduced iceberg county.

ACKNOWLEDGMENT

The author would like to recognize the efforts of the Commanding Officer, Officers, and Crew of the USCGC EVERGREEN whose cooperation and diligence were instrumental to the success of the oceanographic operations. In addition we would like to thank the following CG Oceanographic Unit personnel who participated in the collection of the data contained herein: HP-1-72—LT A. ROSEBROOK (Field Party Chief), LT M. TRAMMEL, MST1 S. HISLOP, MST3 M. LOVE, HST3 J. SMALL, MST3 M. SHOUL, MST3 G. GREILICH, and MR. M. T. LEIDIGH (student trainee); HP-2-72—DR. T. WOLFORD (Field Party Chief), MR. L. HANNON, MST1 A. FILO, MST3 G. POLUBINSKY, MST3 G. ADAMS, MST3 J. SCHNEIDER; HP-3-72—LDCR R. ETTLE (Field Party Chief), LT A. LITTEKEN, MST2 B. PETERS, MST2 C. DUVALL, ET2 W. KRUG, MST3 A. BOEHM, MST3 J. SCHNEIDER.

REFERENCES

Bailey, W. B. (1973) ICNAF Convention Area Oceanographic Summary 1972. ICNAF Annual Meeting—June 1973, ICNAF Res. Doc. 73/113, Ser. No. 3077. 5 pp.

Budinger, T. F., R. P. Dinsmore, P. A. Morrill, and F. M. Soule (1960) Report of the International Ice Observation and Ice Patrol Service in the North Atlantic Ocean—Season of 1959. U.S. Coast Guard Bulletin No. 45. p. 101–103.

Burmakin, V. V. (1973) Water Temperature in Labrador and Newfoundland areas at the end of 1971 and 1972. ICNAF Annual Meeting—June 1973. ICNAF Res. Doc. 73/43, Serial No. 2982. 8 pp.

Dinsmore, R. P., R. M. Morse, and F. M. Soule (1958) Report of the International Ice Observation and Ice Patrol Service in the North Atlantic Ocean—Season of 1957. U.S. Coast Guard Bulletin No. 43. p. 84–85.

Dinsmore, R. P., R. M. Morse, and F. M. Soule (1960) Report of the International Ice Observation and Ice Patrol Service in the North Atlantic Ocean—Season of 1958. U.S. Coast Guard Bulletin No. 44. p. 34–36.

Ettle, R. E. and T. C. Wolford (1972) Oceanography of the Grand Banks Region and the Labrador Sea in 1970. April-October 1970. U.S. Coast Guard Oceanographic Report No. 56, CG 373–56. p. 3–4.

Hill, H. W., P. G. W. Jones, J. W. Ramster, and A. R. Folkard (1974) The Current System East of Newfoundland Grand Bank. ICNAF Environmental Symposium. 20 May 1974. Ser. No. 3290. 29 pp.

Hislop, A. S. (1973) Coast Guard Oceanographic Unit DDP–516 Programs. U.S. Coast Guard Unpublished Manuscript Series No. 73–2. 26 pp.

International Oceanographic Tables (1966) National Institute of Oceanography of Great Britain and UNESCO. 118 pp.

Kollmeyer, R. C., R. M. O'Hagan, R. M. Morse, D. A. McGill, and N. Corwin (1965) Oceanography of the Grand Banks Region and the Labrador Sea in 1964. U.S. Coast Guard Oceanographic Report No. 10, CG 373–10. 284 pp.

Kollmeyer, R. C., T. C. Wolford, and R. M. Morse (1966) Oceanography of the Grand Banks Region of Newfoundland in 1965. U.S. Coast Guard Oceanographic Report No. 11, CG 373–11. p. 41–52.

Kollmeyer, R. C., D. A. McGill, and N. Corwin (1967) Oceanography of the Labrador Sea in the Vicinity of Hudson Strait in 1965. U.S. Coast Guard Oceanographic Report No. 12, CG 373–12. p. 3–5.

Kudlo, B. P. (1973) Water Circulation in the ICNAF Area in 1971–1972. ICNAF Res. Doc. 73/42. Ser. No. 2981. 12 pp.

Kukla, G. J. and H. J. Kukla (1974) Increased Surface Albedo in the Northern Hemisphere, Science, Vol. 183. No. 4126, 22 Feb. 1974. p. 709–714.

Morgan, C. W. (1969) Oceanography of the Grand Banks Region of Newfoundland in 1967. U.S. Coast Guard Oceanographic Report No. 19, CG 373–19, p. 5.

Rosebrook, A. D. (1974) Oceanography of the Grand Banks Region of Newfoundland. April-August 1971. U.S. Coast Guard Oceanographic Report No. 60. CG 373–60. p. 3–5.

Royal Meteorological Office (1972a) Ice at the End of March 1972 Chart.

Royal Meteorological Office (1972b) Ice at the End of June 1972 Chart.

Sanderson, R. M. (1972a) Ice Conditions in Areas Adjacent to the North Atlantic Ocean from October to December 1971. *The Marine* Observer, Vol. XLII, No. 236. April 1972. p. 83–87.

Sanderson, R. M. (1972b) Ice Conditions in Areas Adjacent to the North Atlantic Ocean from January to March 1972. The Marine Observer, Vol. XLII, No. 237. July 1972. p. 130–134.

Sanderson, R. M. (1972c) Ice Conditions in Areas Adjacent to the North Atlantic Ocean from April to June 1972. The Marine Observer, Vol. XLII, No. 238, October 1972. p. 187–190.

Sanderson, R. M. and G. P. Davis (1972) Ice Conditions through the Northwest Passage. The Marine Observer, April 1972. p. 69–80.

Schell, I. I. (1961) On the Iceberg Severity Off Newfoundland and its Prediction. Journal of Glaciology. Vol. 4, No. 32. p. 161–172.

Soule, F. M. and R. M. Hoyle (1935) Report of the International Ice Observation and Ice Patrol Service in the North Atlantic Ocean—Season of 1934. U.S. Coast Guard Bulletin No. 24. 88 pp.

Soule, F. M. (1964) The Normal Topography of the Labrador Current and its Environs in the Vicinity of the Grand Banks of Newfoundland during the Iceberg Season. Woods Hole Oceanographic Institution, Ref. No. 64–36. AD 605320

Templeman, W. (1973) Temperatures and Salinities in the Eastern Newfoundland Area in 1972. ICNAF Annual Meeting—June 1973. ICNAF Res. Doc. 73/50, Ser. No. 3022. 7 pp.

U.S. Coast Guard (1971) Manual for Oceanographic Operations, CG–410. p. C1–C33.

U.S. Department of Commerce (1972) Daily Weather Summary August 1971–July 1972, St. John's NFLD, Goose, NFLD, Gander NFLD.

U.S. Naval Oceanographic Office 1972) Seasonal Outlook 1972—Eastern Arctic Ice. Spec. Pub. SP–60 (72) 12 pp.

Wolford, T. C. (1969) Oceanography of the Grand Banks Region and the Labrador Sea in 1966. U.S. Coast Guard Oceanographic Report No. 13, CG 373–13. p. 20–25.

Wolford, T. C. (1972) Iceberg Drift. A Dissertation Submitted to Catholic University of America as partial fulfillment of the requirements for the Degree of Ph.D. 265 pp.

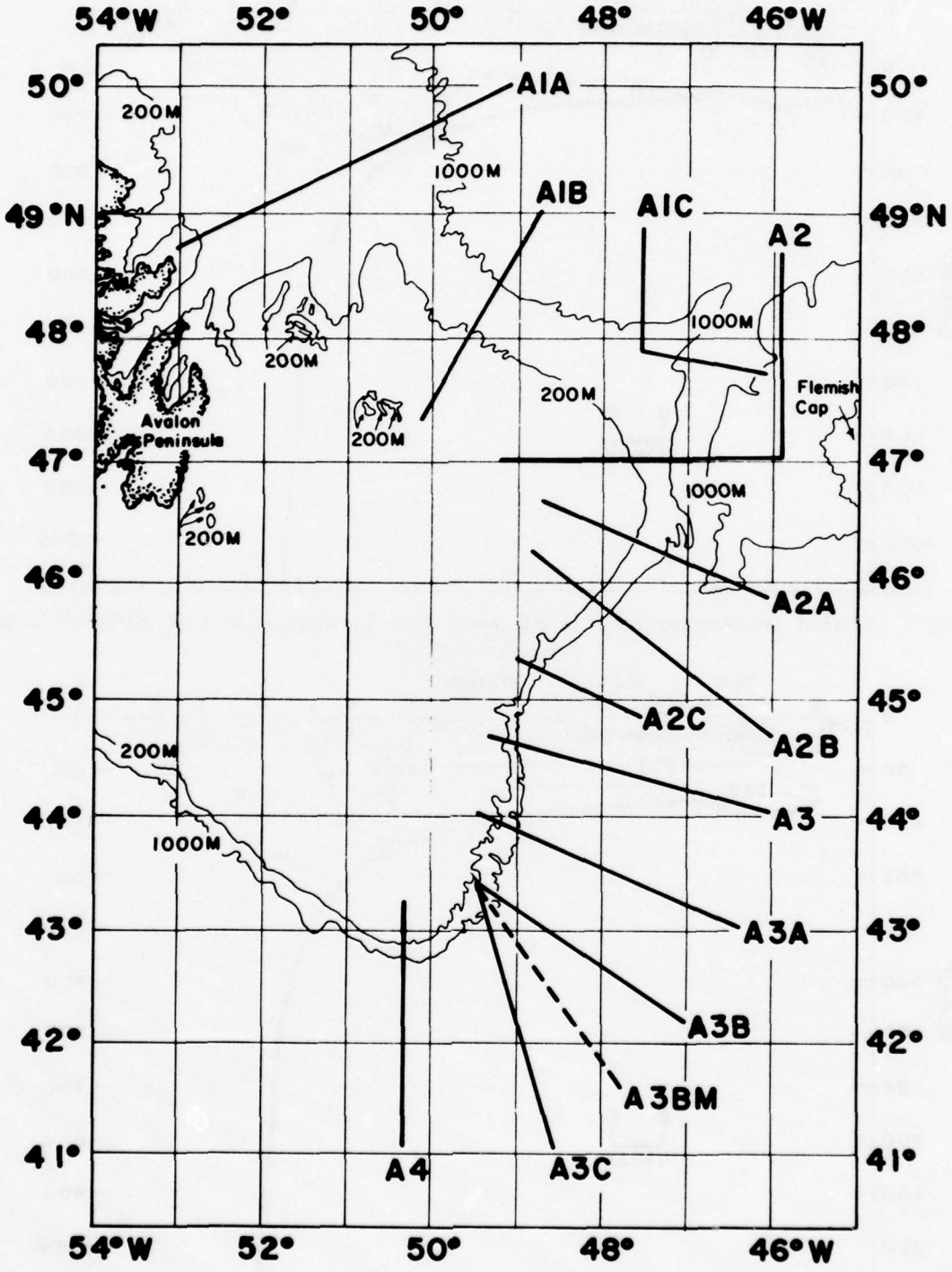


FIGURE 1. Standard International Ice Patrol Sections.

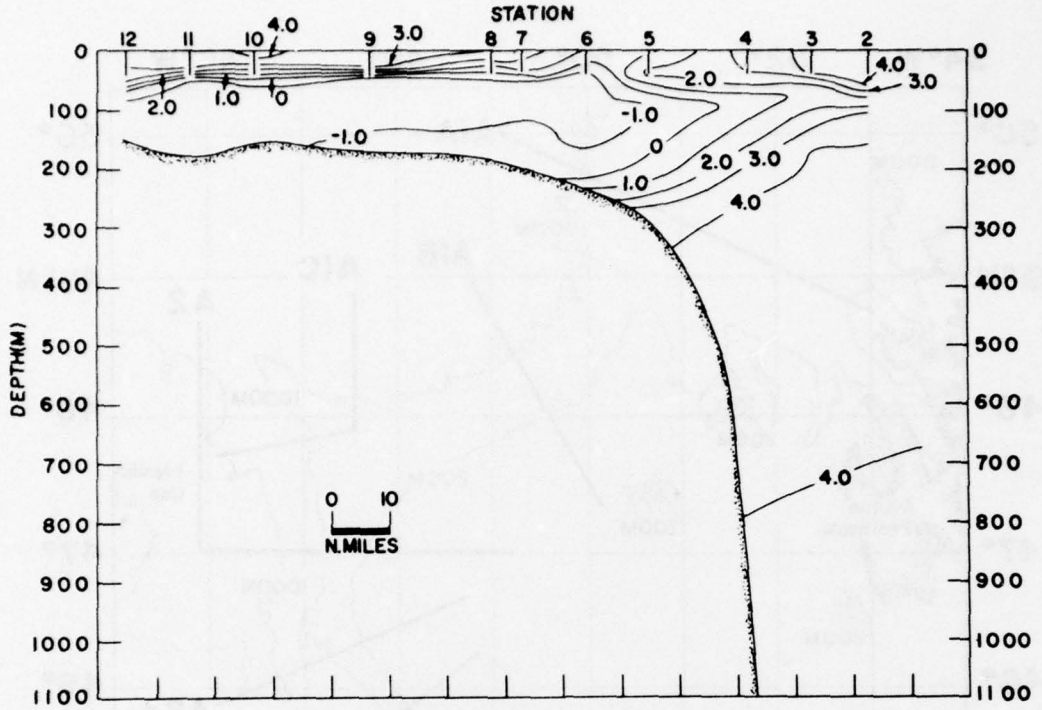


FIGURE 2. Vertical temperature (°C) profile for section A1 occupied by CGC SPENCER, 21–22 September 1972.

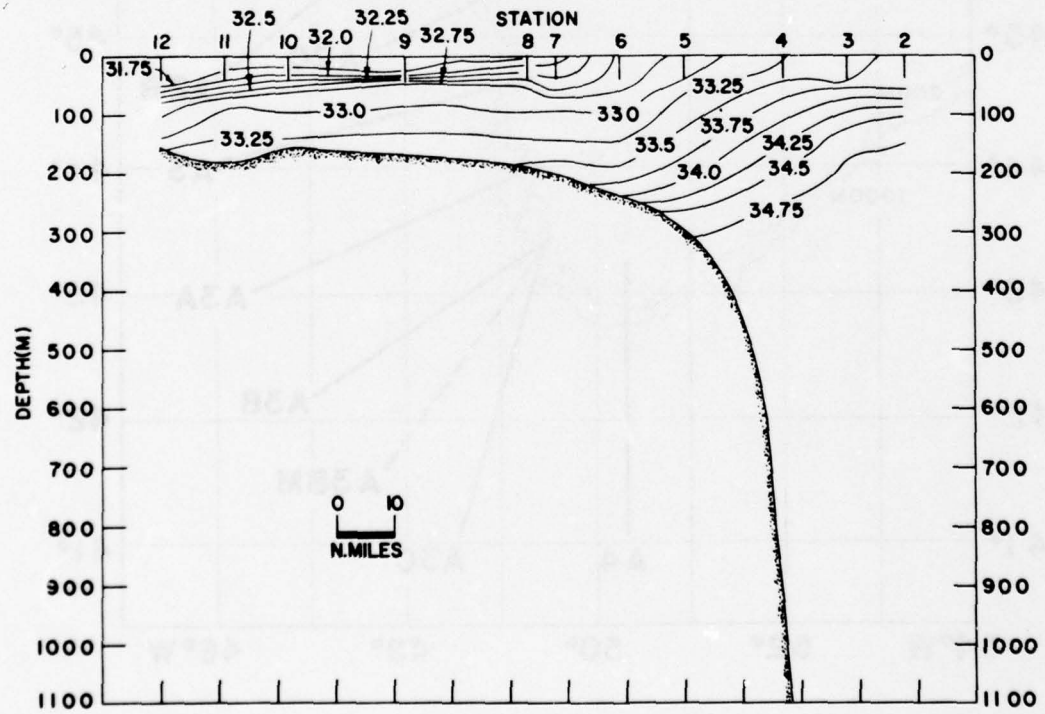


FIGURE 3. Vertical salinity (‰) profile for section A1 occupied by CGC SPENCER, 21–22 September 1972.

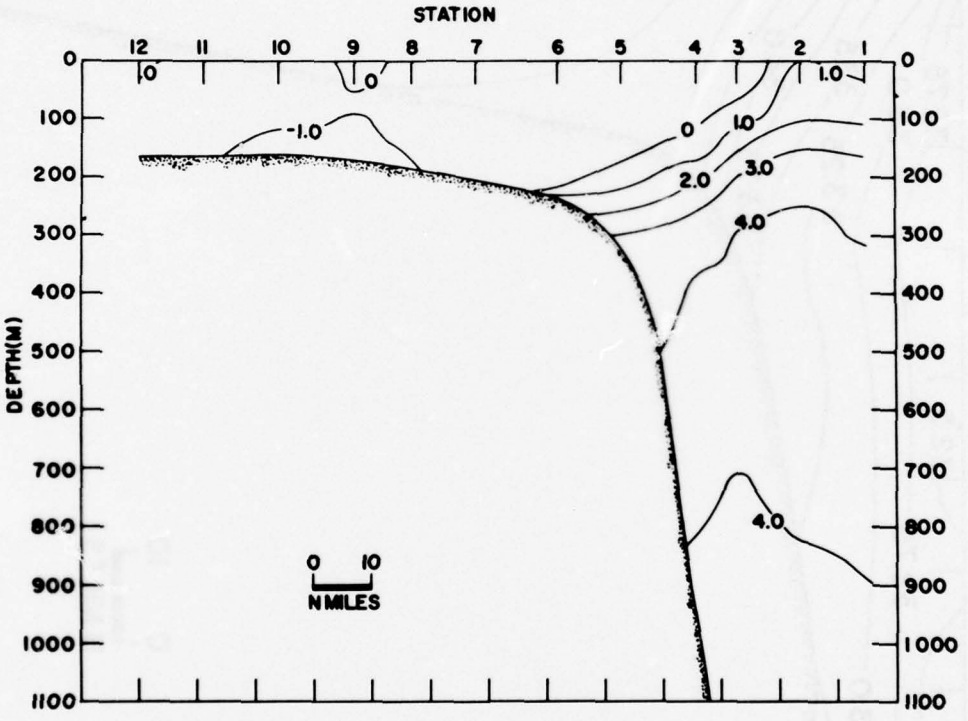


FIGURE 4. Vertical temperature (°C) profile for section A1 occupied by CGC SHERMAN 20–22 November 1972.

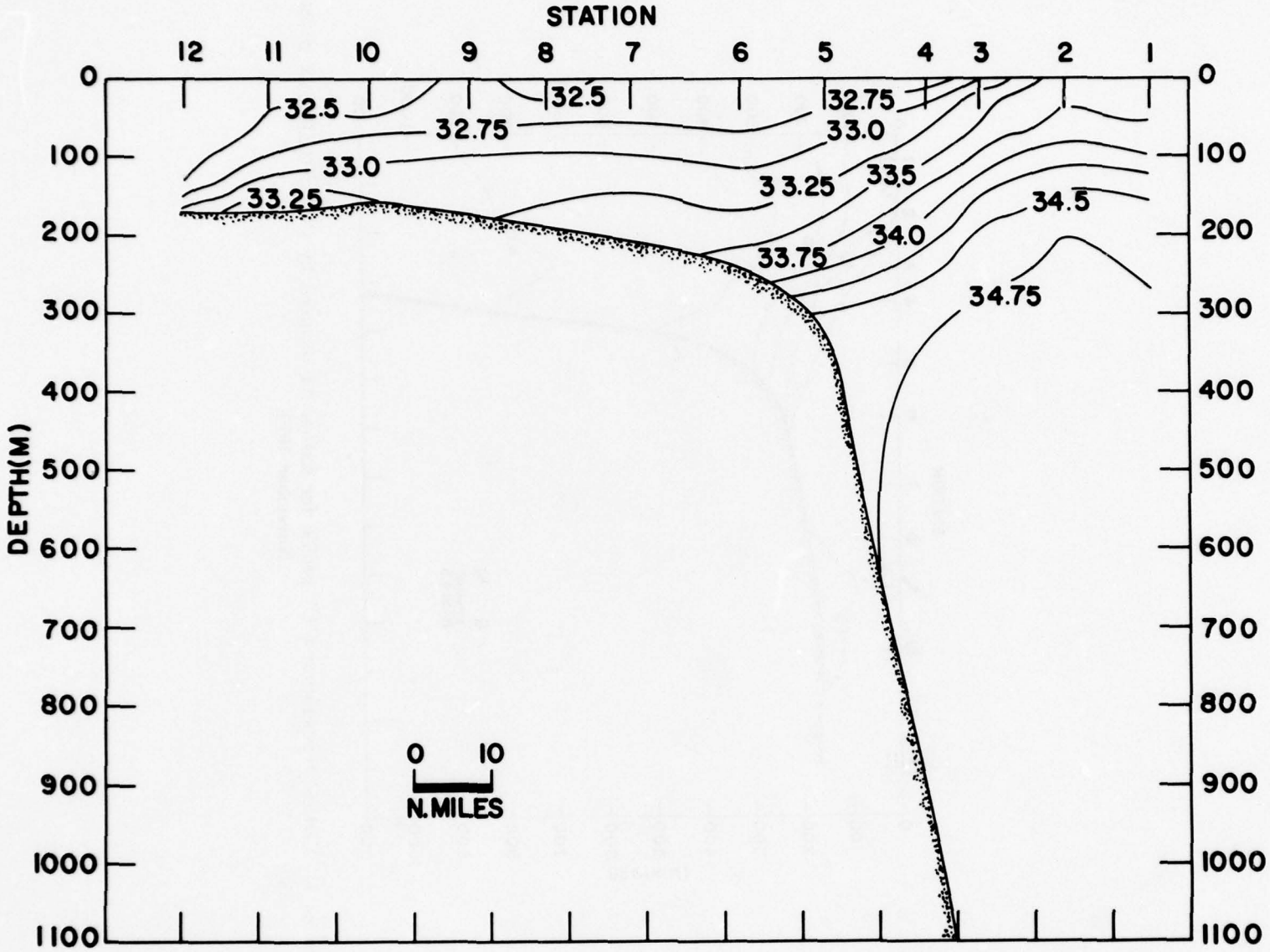


FIGURE 5. Vertical salinity (°/₀₀) profile for section A1 occupied by CGC SHERMAN, 20–22 November 1972.

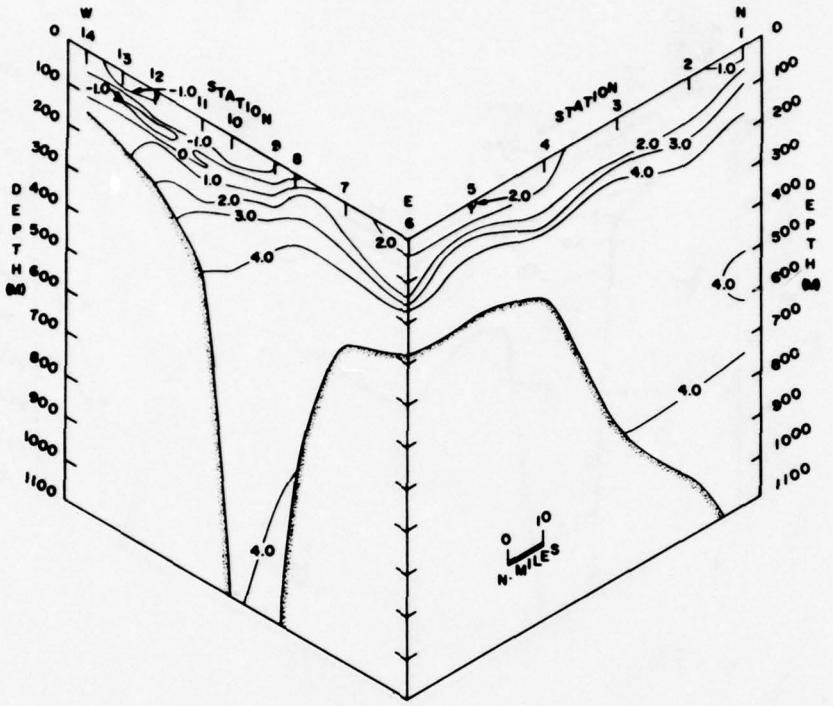


FIGURE 6. Vertical temperature (°C) profile for section A2 occupied by CGC GALLATIN, 18–19 March 1971.

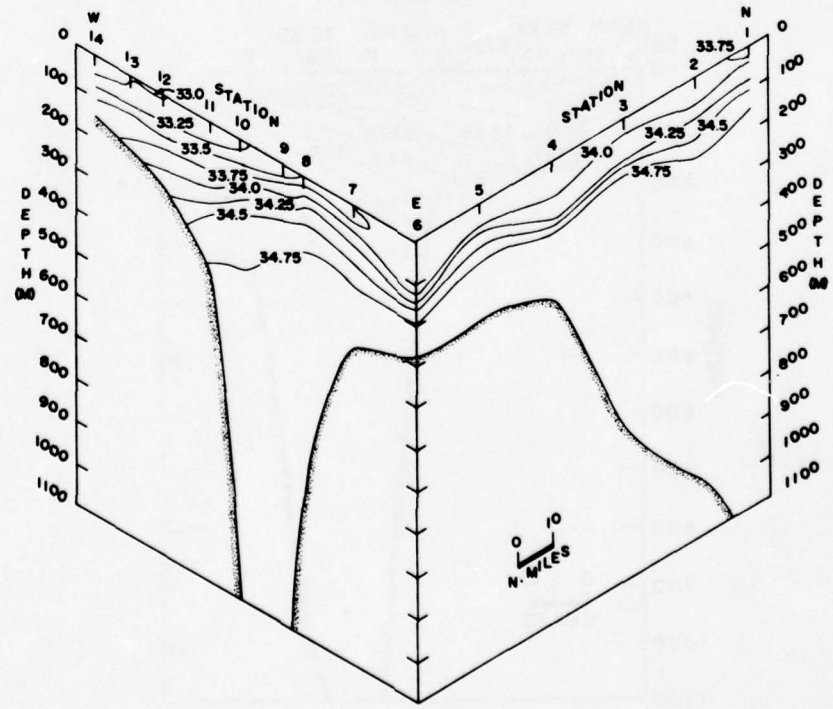


FIGURE 7. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC GALLATIN, 18–19 March 1971.

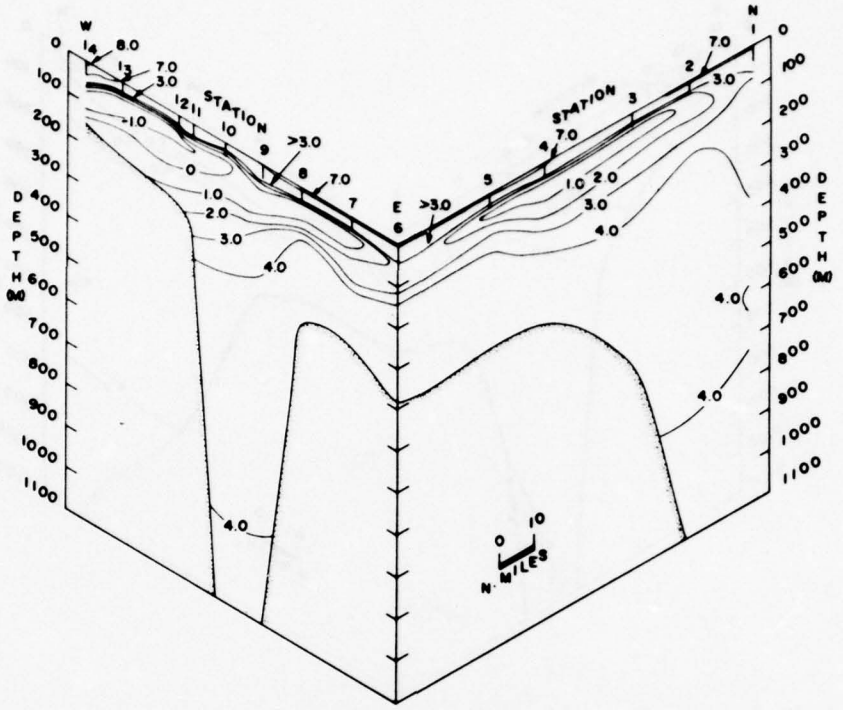


FIGURE 8. Vertical temperature (°C) profile for section A2 occupied by CGC CAMPBELL, 14–16 July 1971.

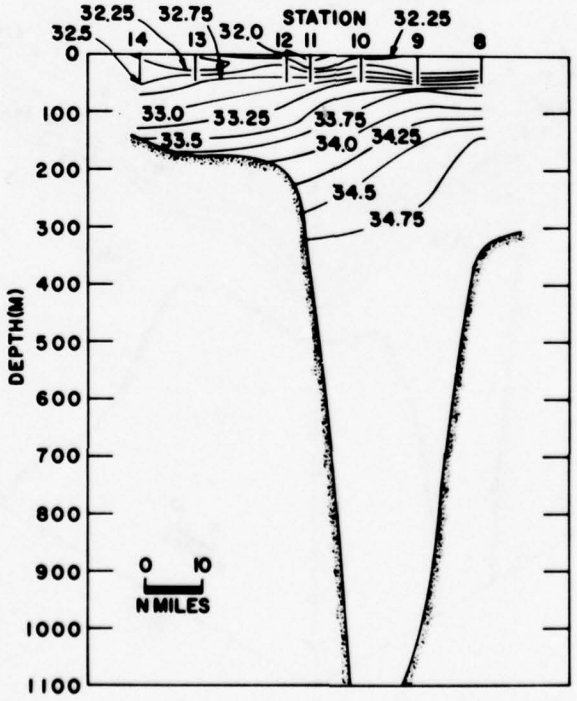


FIGURE 9. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC CAMPBELL, 14–16 July 1971.

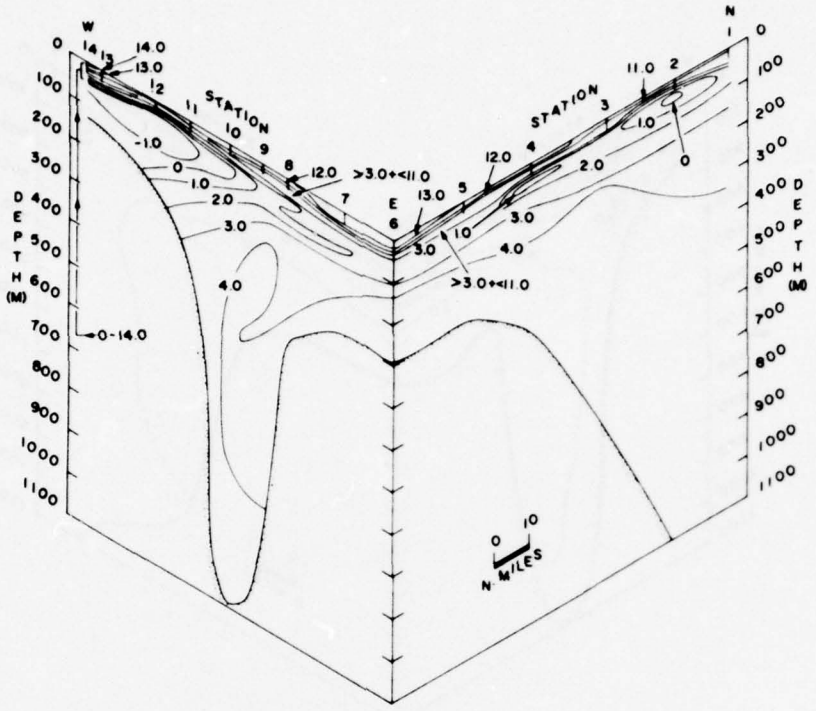


FIGURE 10. Vertical temperature (°C) profile for section A2 occupied by CGC CHASE, 27–29 August 1971.

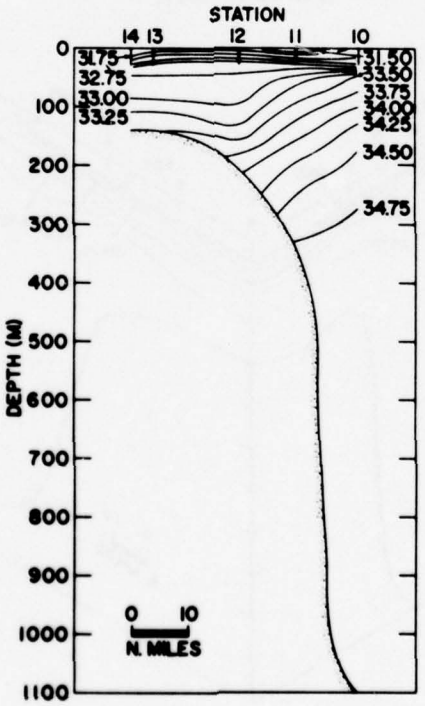


FIGURE 11. Vertical salinity (‰) profile for section A2 occupied by CGC CHASE, 27–29 August 1971.

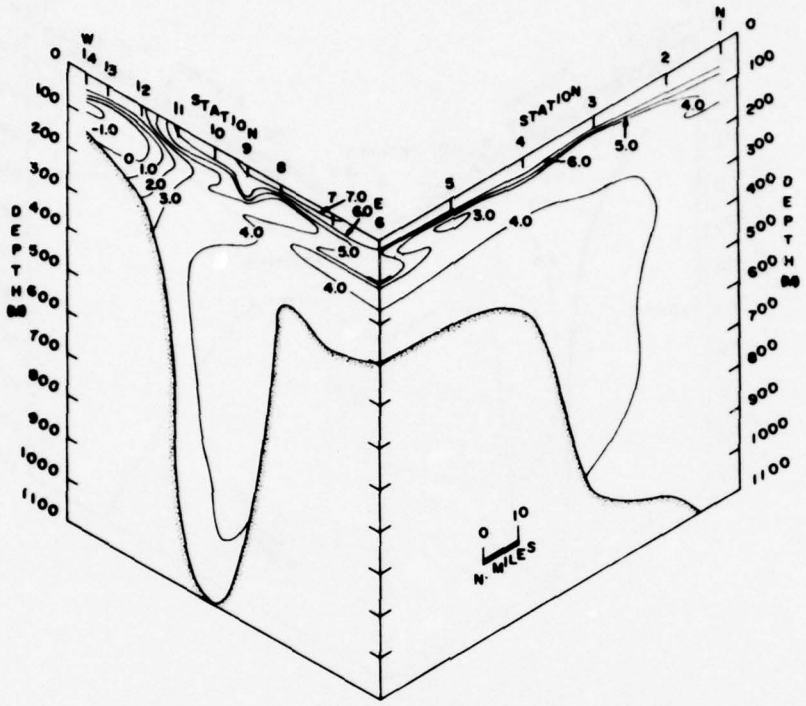


FIGURE 12. Vertical temperature (°C) profile for section A2 occupied by CGC DALLAS, 9–10 November 1971.

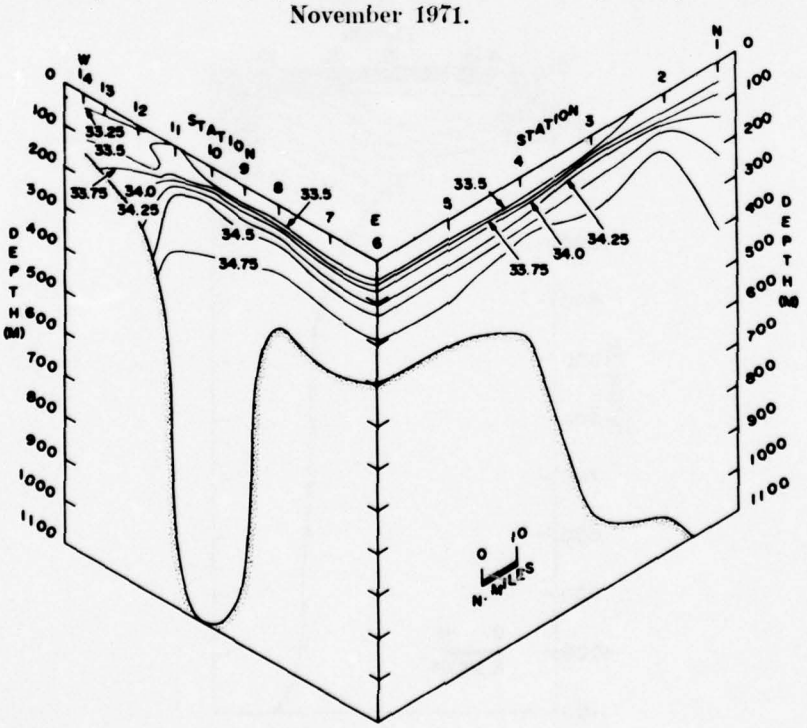


FIGURE 13. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC DALLAS, 9–10 November 1971.

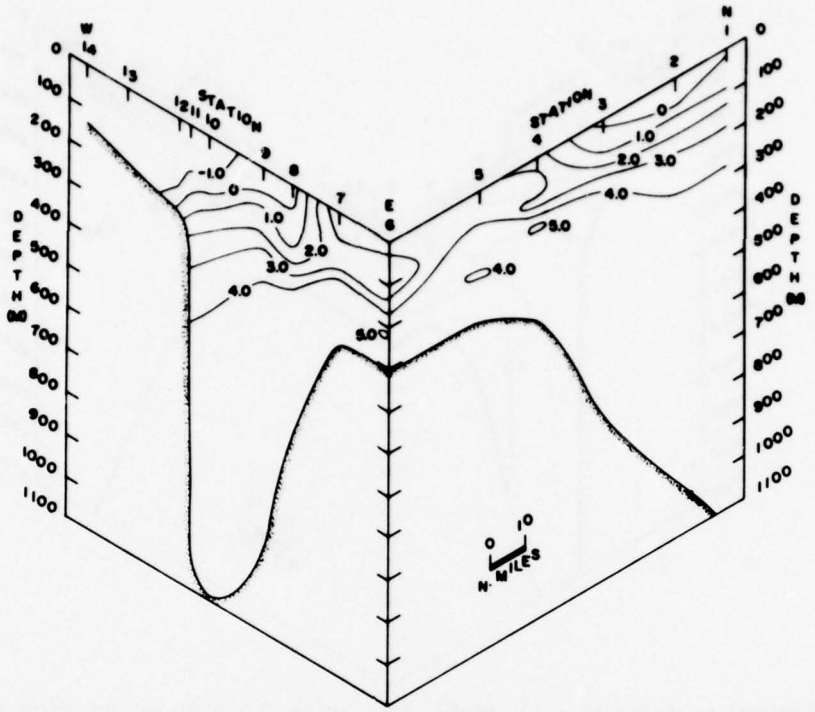


FIGURE 14. Vertical temperature (°C) profile for section A2 occupied by CGC SHERMAN, 20–22 March 1972.

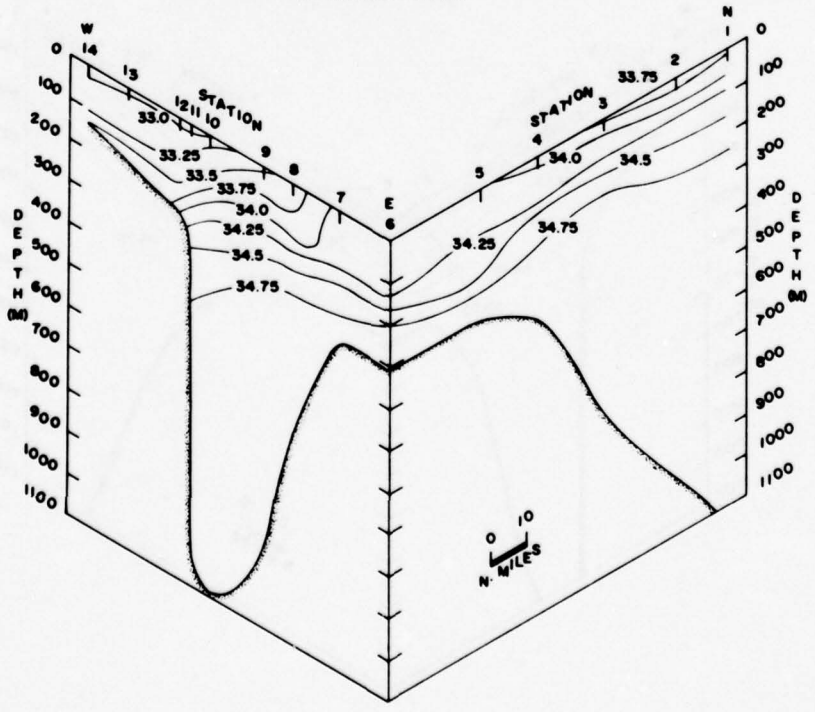


FIGURE 15. Vertical salinity (‰) profile for section A2 occupied by CGC SHERMAN, 20–22 March 1972.

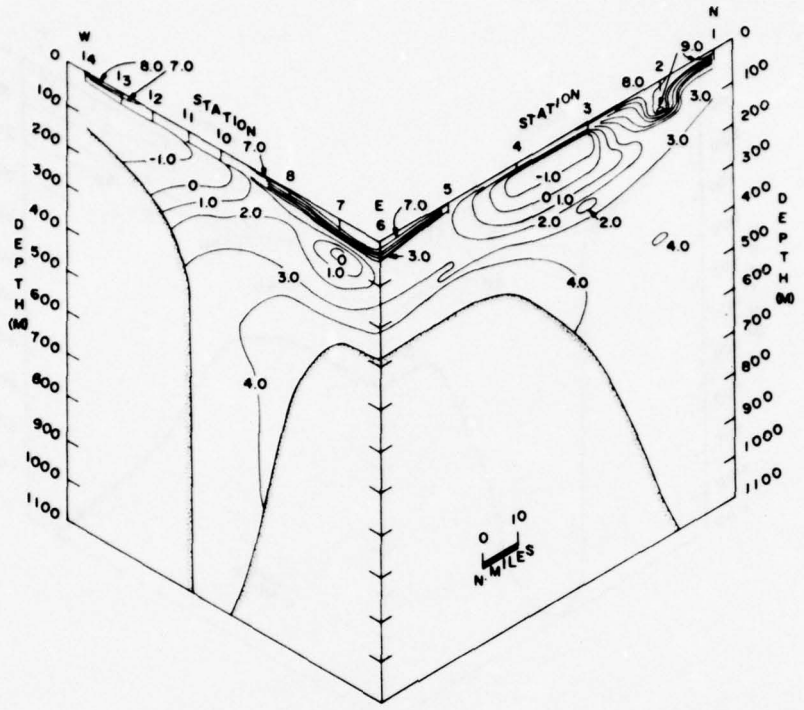


FIGURE 16. Vertical temperature (°C) profile for section A2 occupied by CGC SHERMAN, 5–7 August 1972.

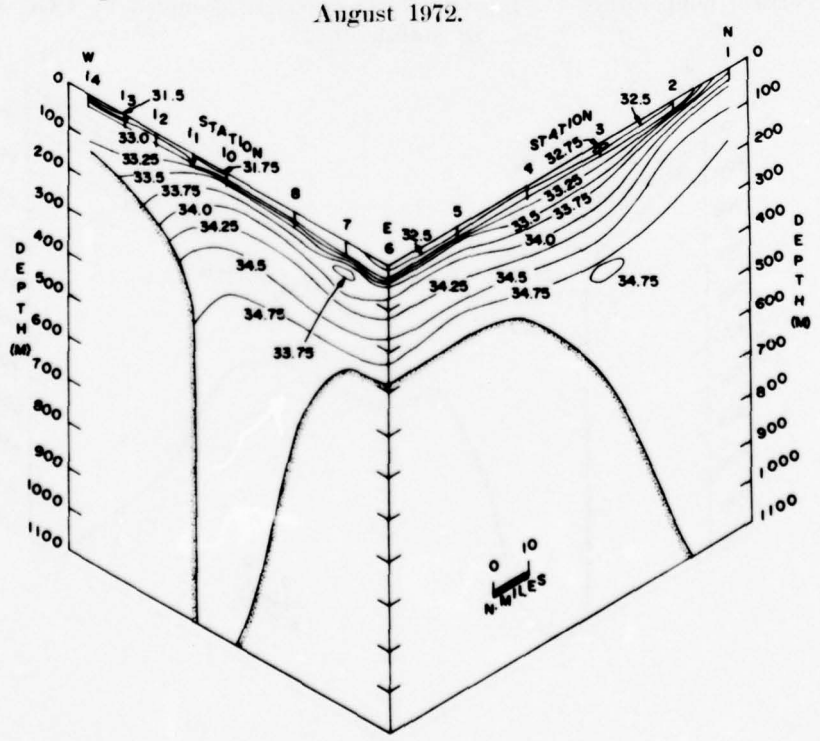


FIGURE 17. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC SHERMAN, 5–7 August 1972.

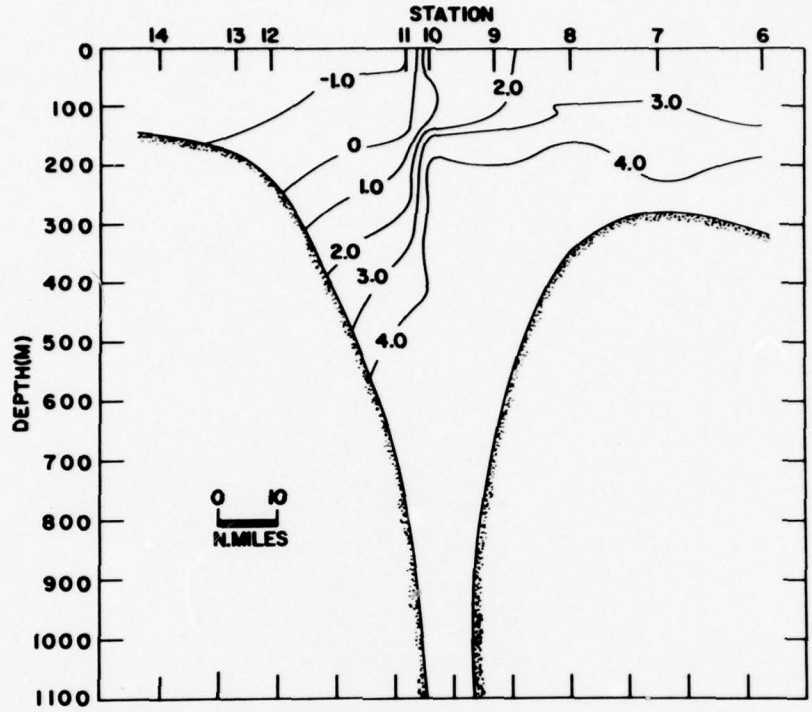


FIGURE 18. Vertical temperature (°C) profile for section A2 occupied by CGC GALLATIN, 31 December 1972–1 January 1973.

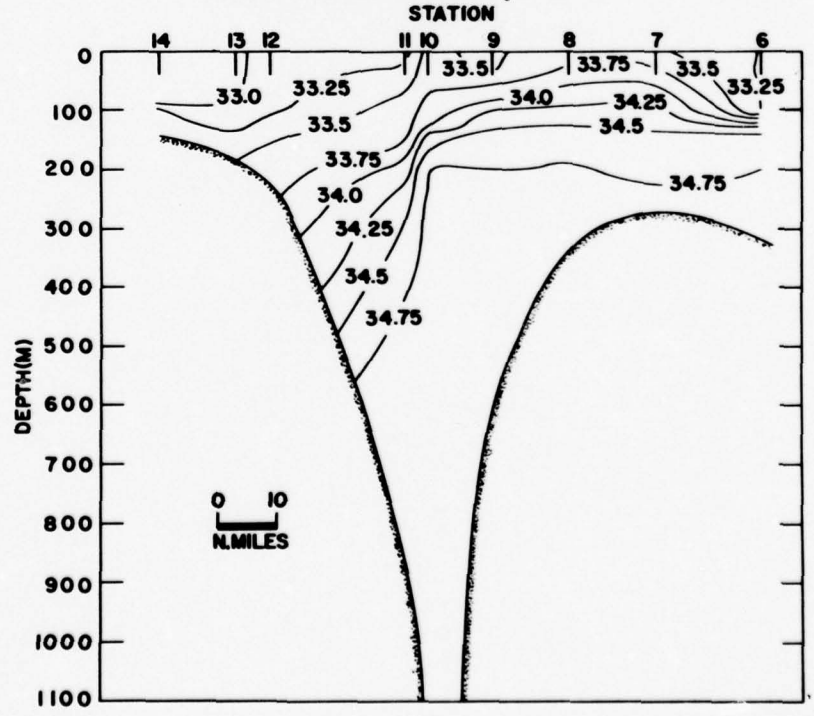


FIGURE 19. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC GALLATIN, 31 December 1972–1 January 1973.

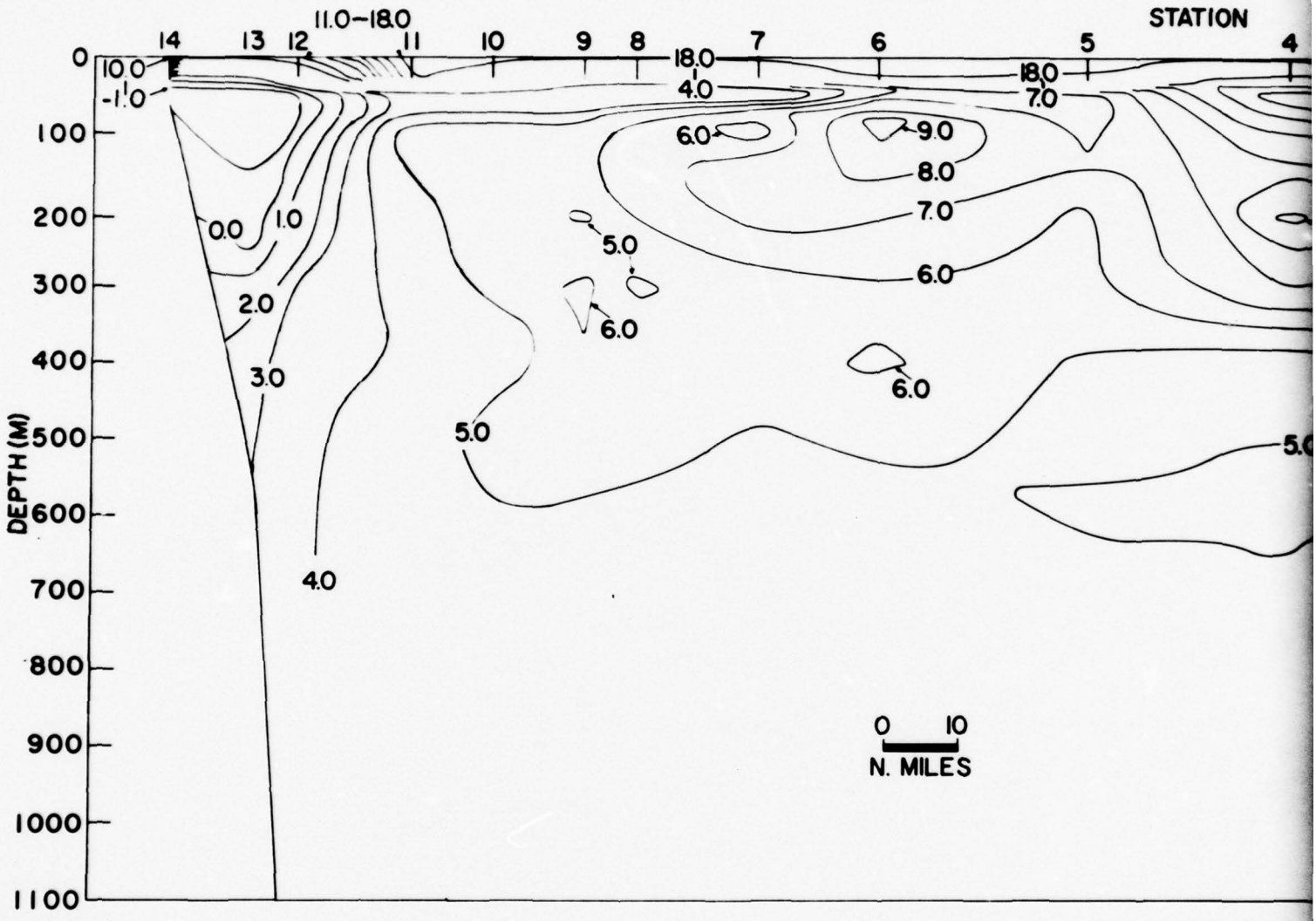
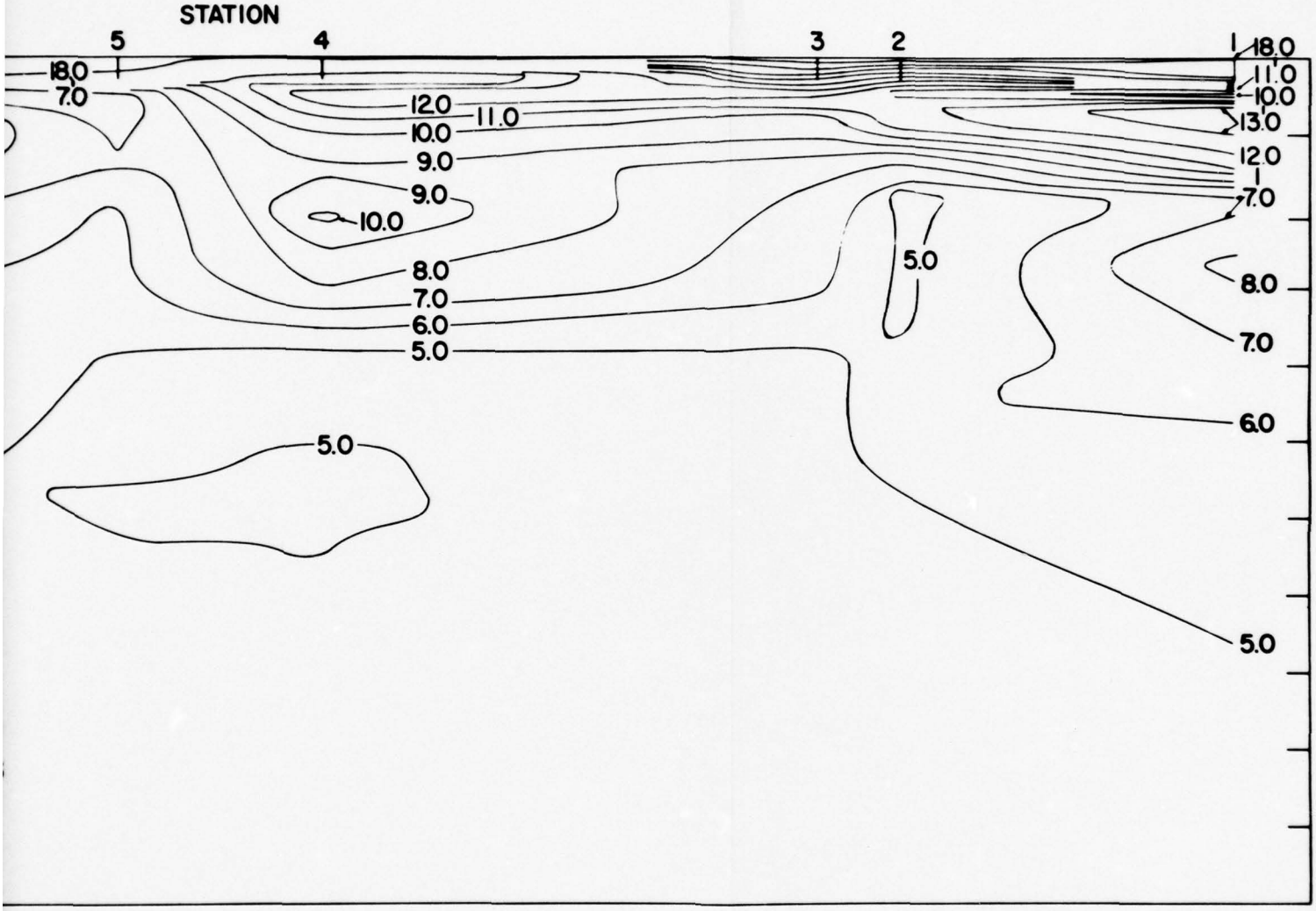


FIGURE 20. Vertical temperature (°C) profile for section A3 occupied by CGC HAMILTON, 8–10 September 1972.

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STATION
5
4
3
2
1
18.0
7.0
12.0
11.0
10.0
9.0
9.0
10.0
8.0
7.0
6.0
5.0
5.0
5.0
18.0
11.0
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13.0
12.0
7.0
8.0
7.0
6.0
5.0

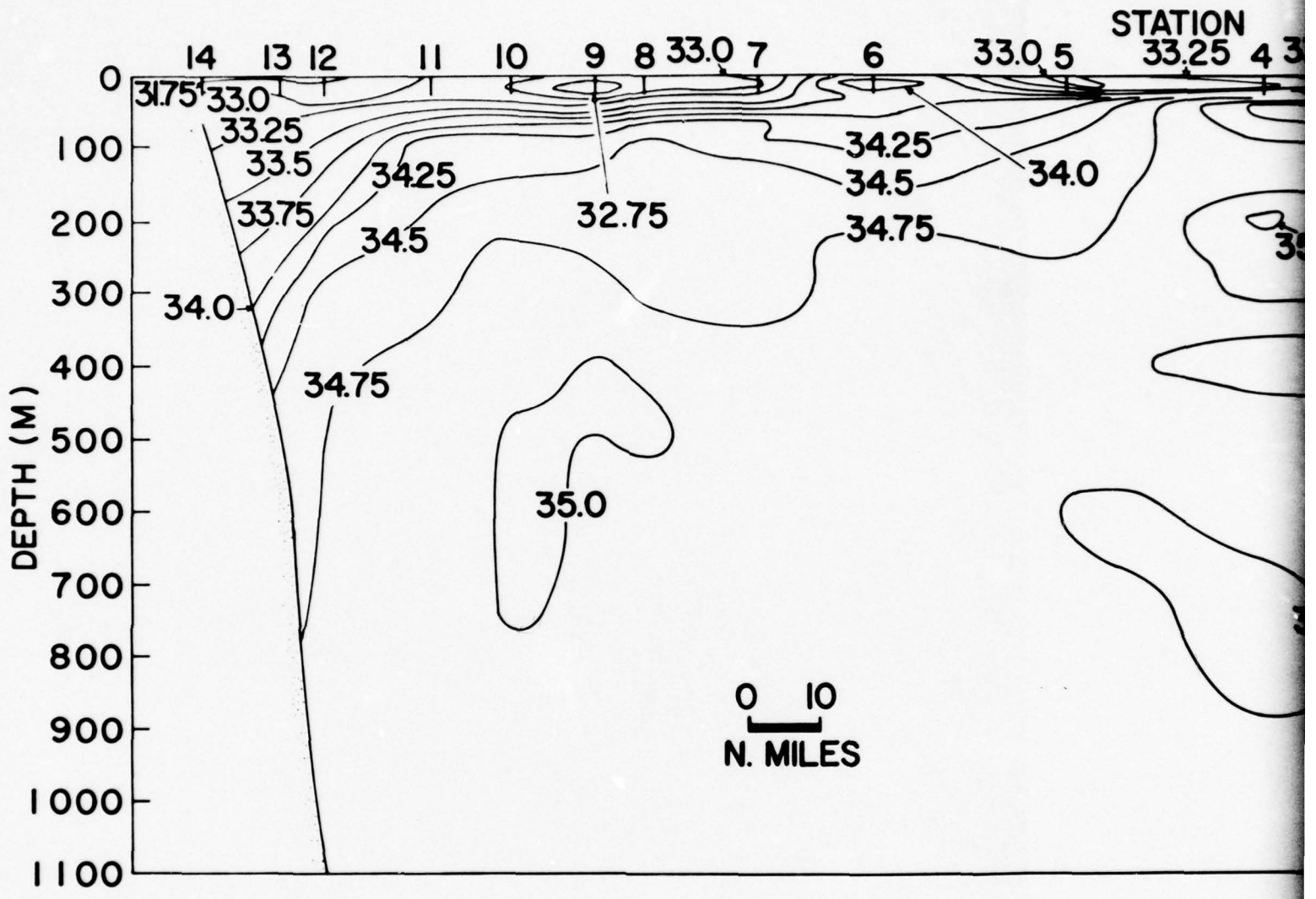
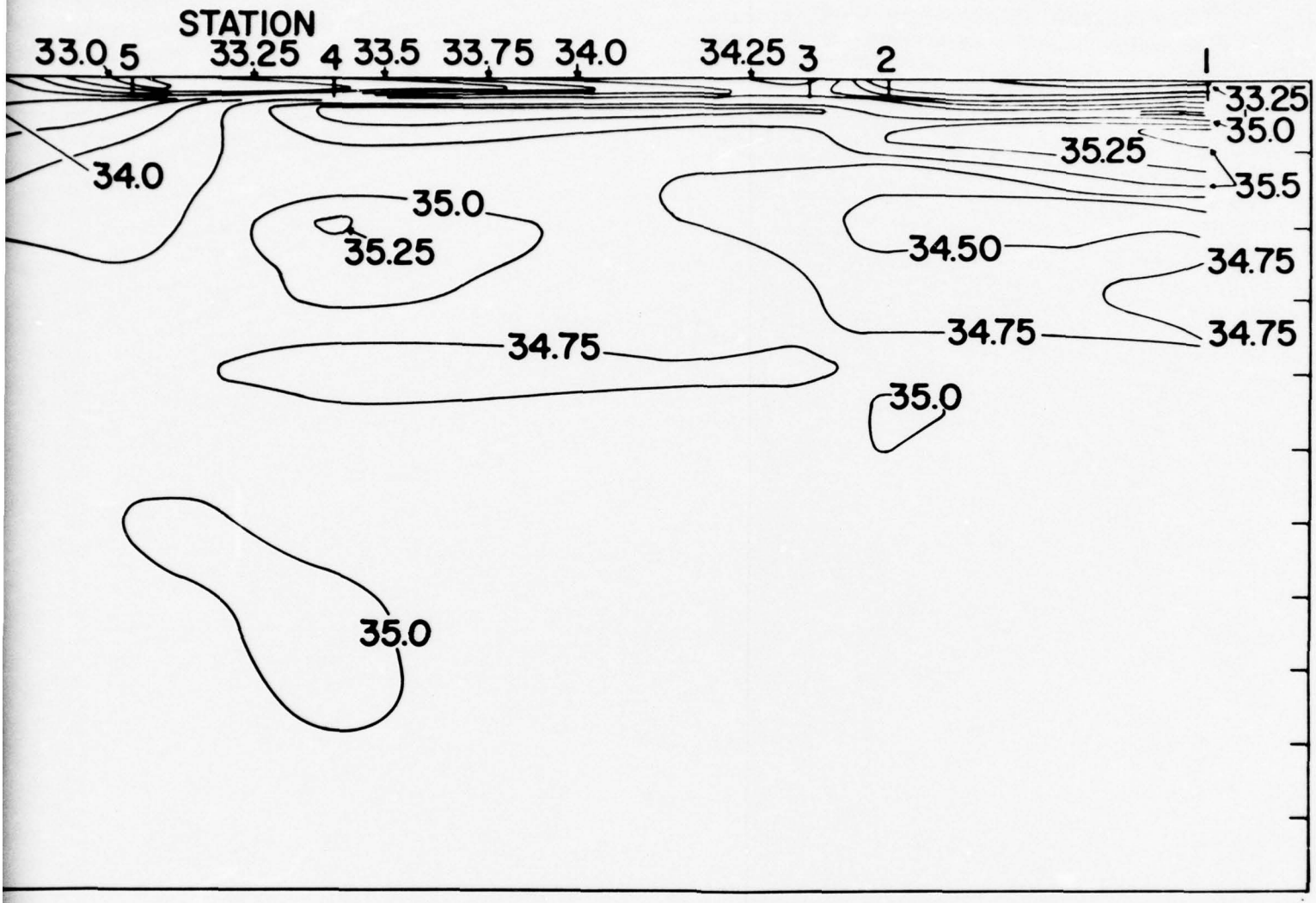


FIGURE 21. Vertical salinity (°/₀₀) profile for section A3 occupied by CGC HAMILTON, 8–10 September 1972.

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STATION
33.0
5
33.25
4
33.5
33.75
34.0
34.25
3
2
1
33.25
35.0
35.25
35.5
34.0
35.0
35.25
34.50
34.75
34.75
34.75
34.75
35.0
35.0

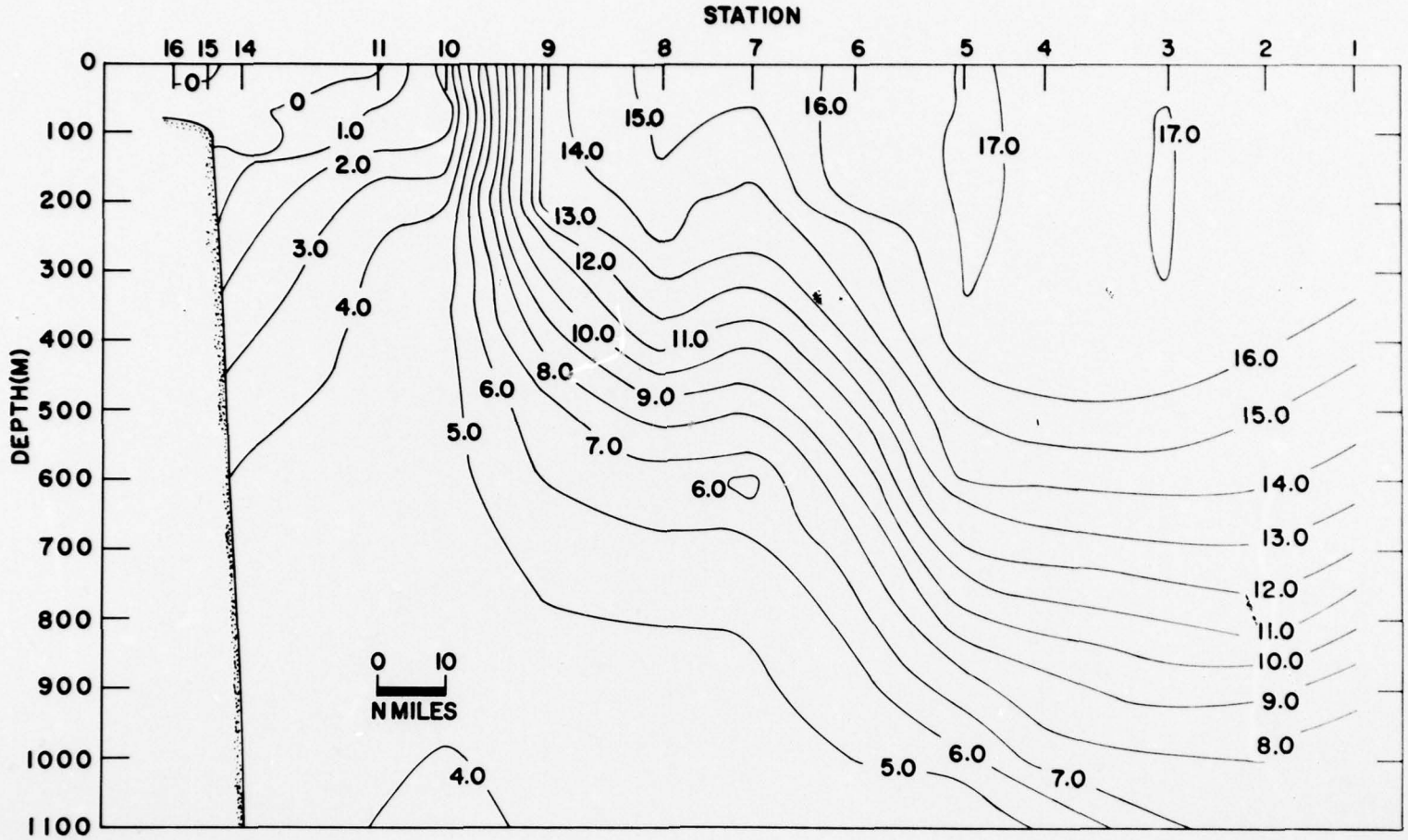


FIGURE 22. Vertical temperature (°C) profile for section A4 occupied by CGC DALLAS, 7–9 March 1971.

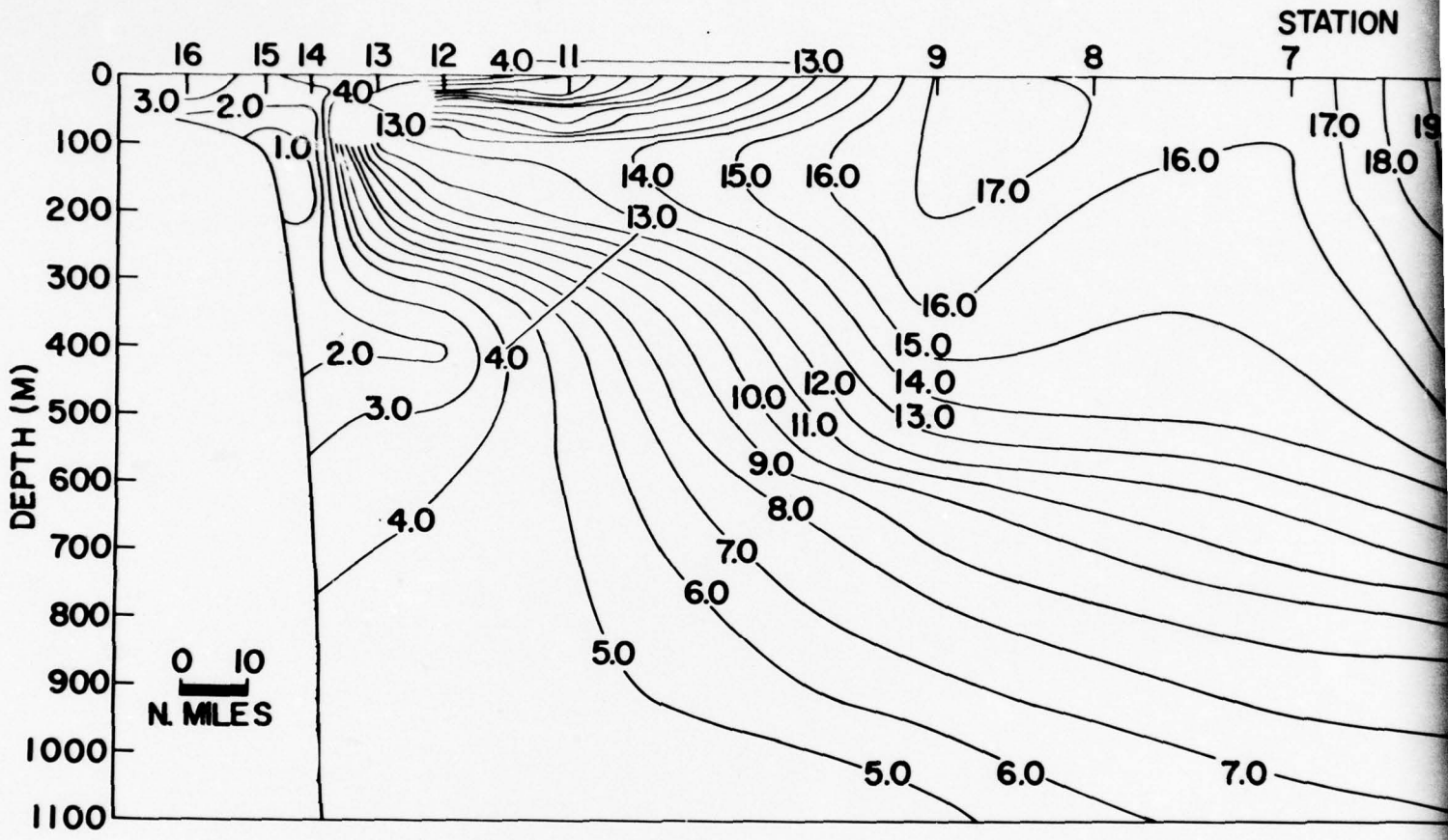
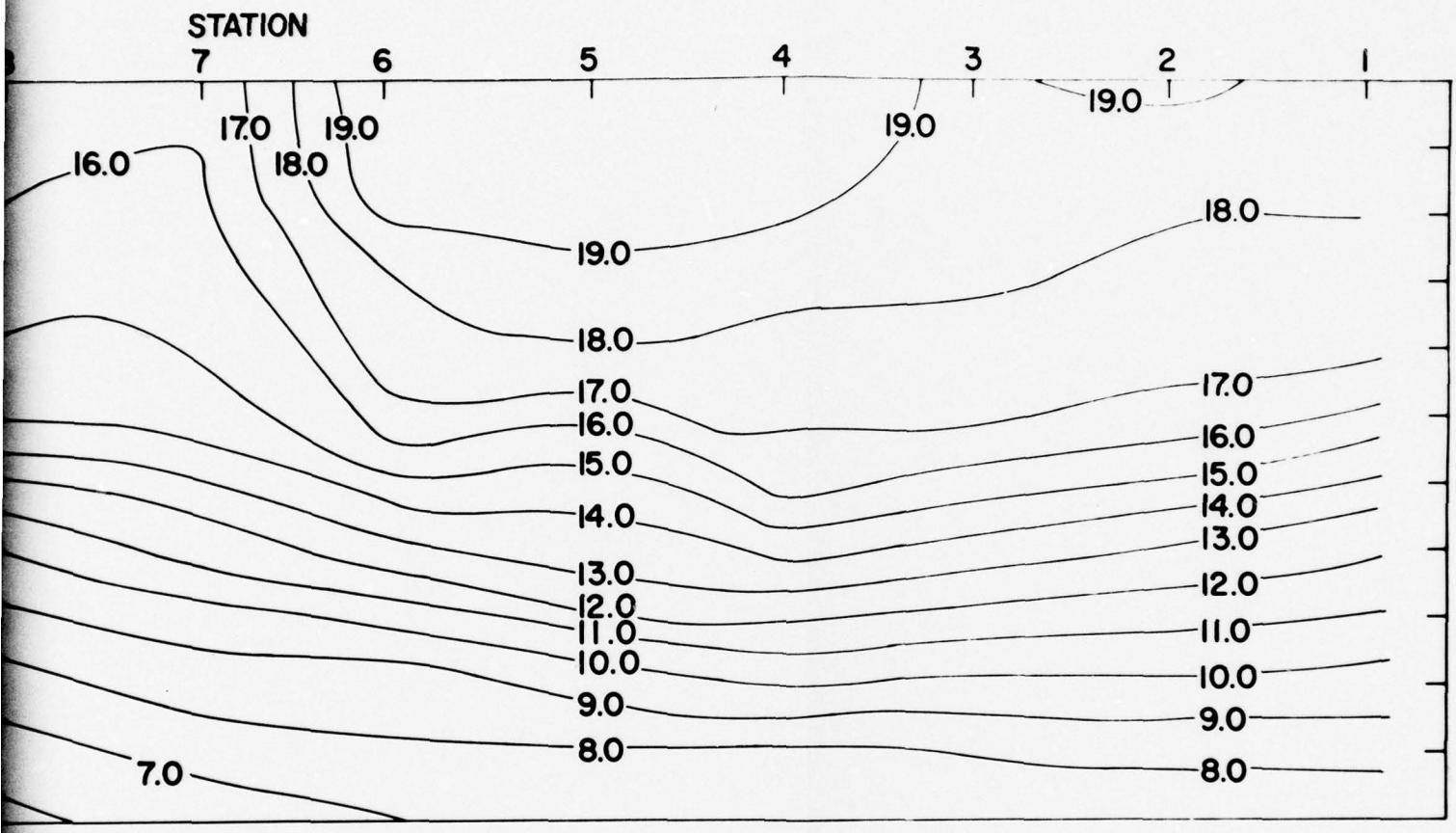


FIGURE 23. Vertical temperature (°C) profile for section A4 occupied by CGC GALLATIN, 5–8 January 1972.

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STATION
7
6
5
4
3
2
1
19.0
19.0
17.0
19.0
18.0
16.0
19.0
18.0
18.0
17.0
17.0
16.0
16.0
15.0
15.0
14.0
14.0
13.0
13.0
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8.0
7.0

5-8

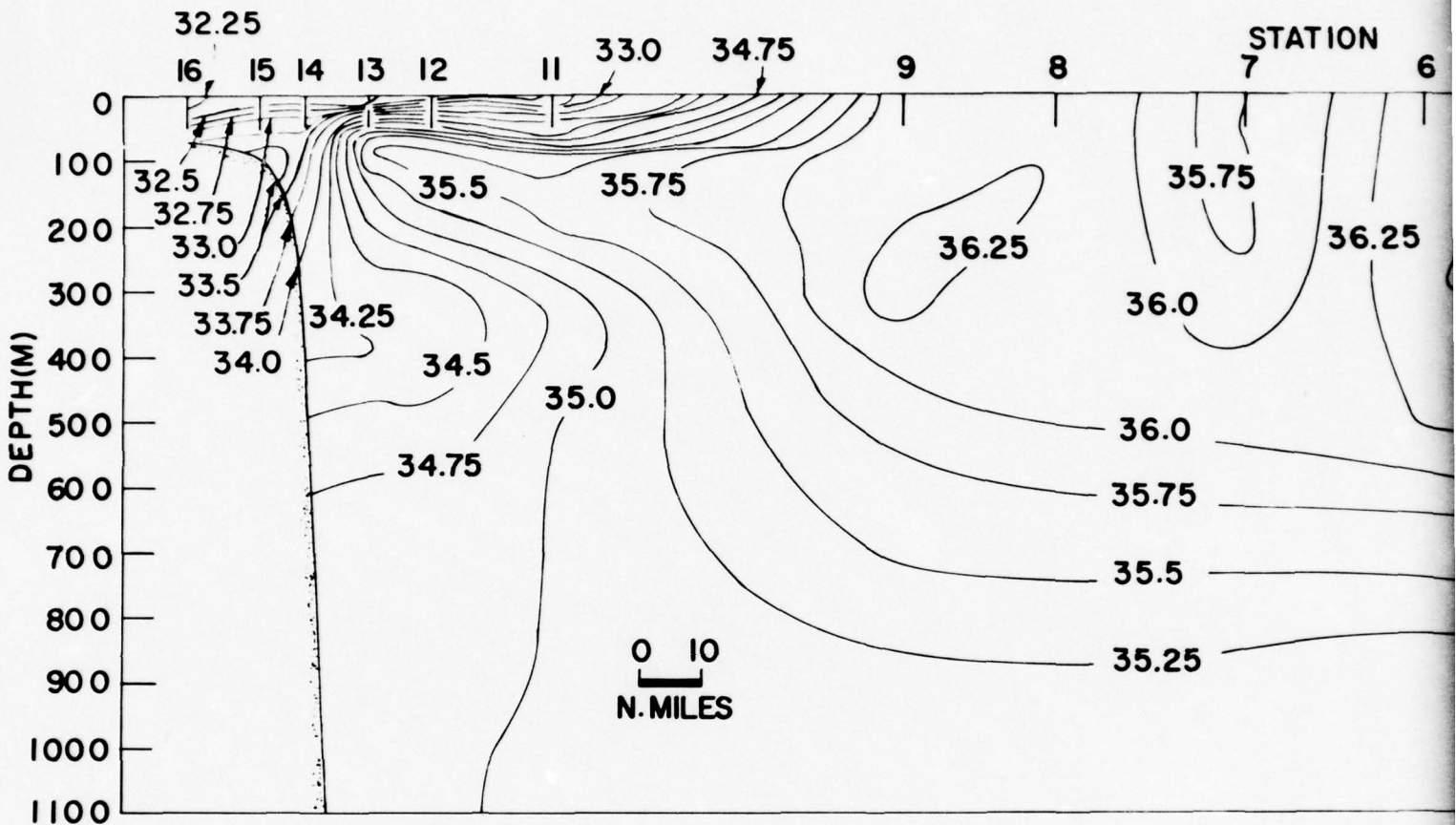
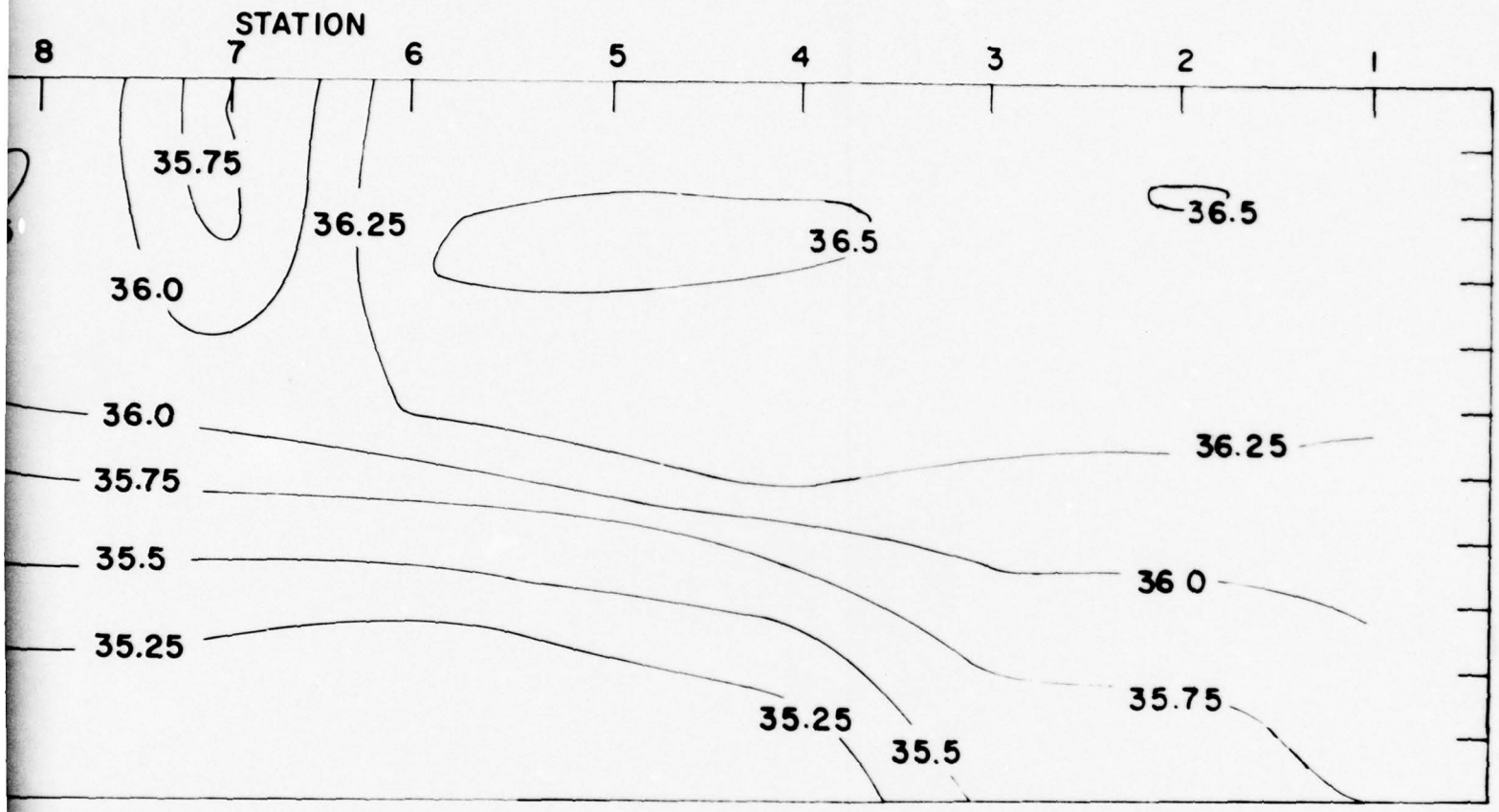


FIGURE 24. Vertical salinity (°/₀₀) profile for section A4 occupied by CGC GALLATIN, 5–8 January 1972.

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STATION
8
7
6
5
4
3
2
1
35.75
36.25
36.5
36.0
36.5
36.0
36.25
35.75
36 0
35.5
35.25
35.75
35.25
35.5

8 Jan-

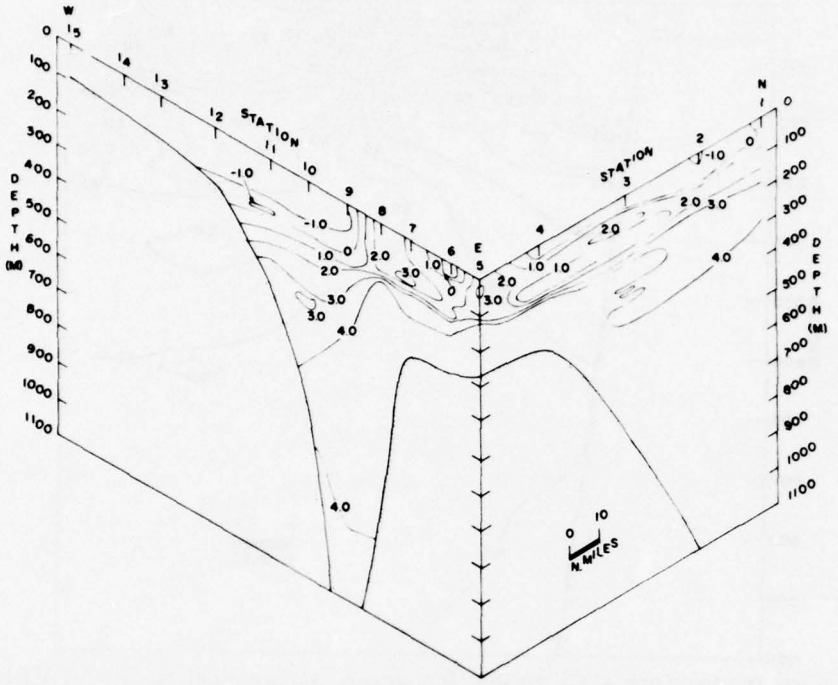


FIGURE 25. Vertical temperature (°C) profile for section A2 occupied by CGC EVERGREEN, 7–9 April 1972.

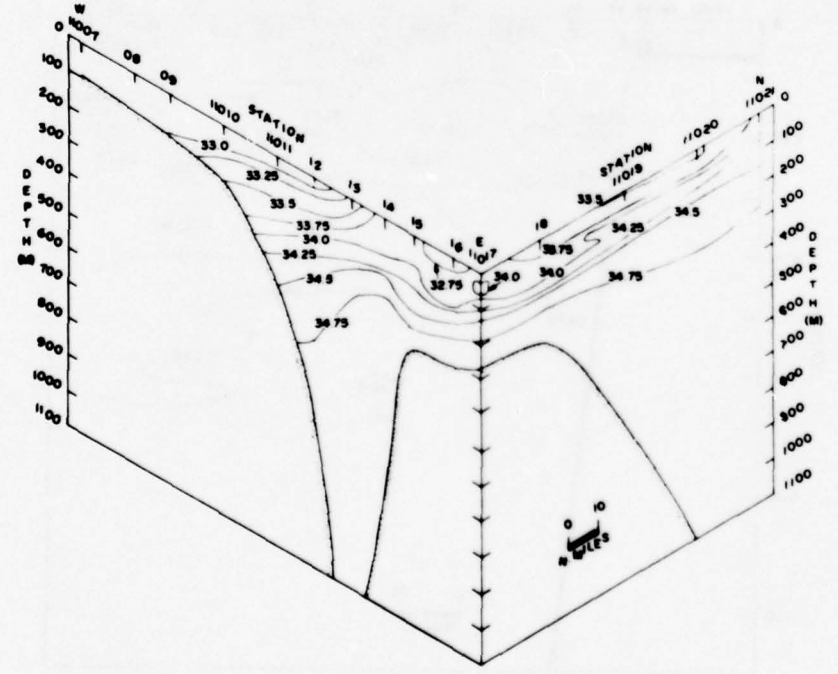


FIGURE 26. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC EVERGREEN, 7–9 April 1972.

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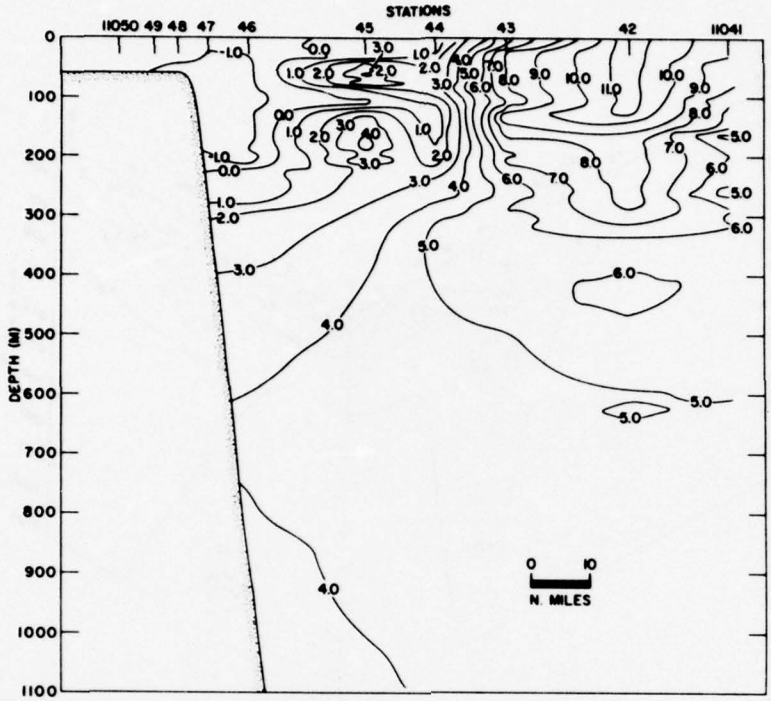


FIGURE 27. Vertical temperature (°C) profile for section A3 occupied by CGC EVERGREEN, 12 April 1972.

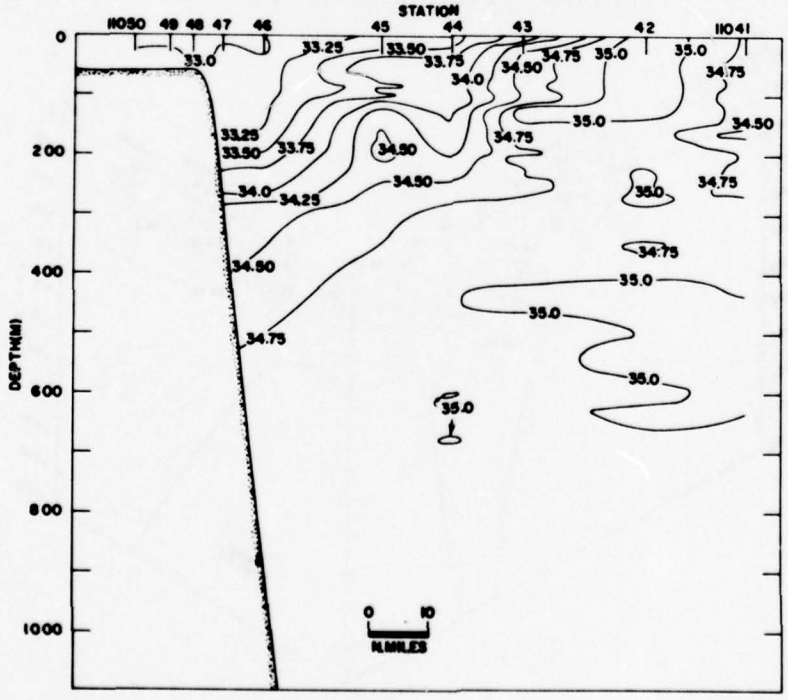


FIGURE 28. Vertical salinity (‰) profile for section A3 occupied by CGC EVERGREEN, 12 April 1972.

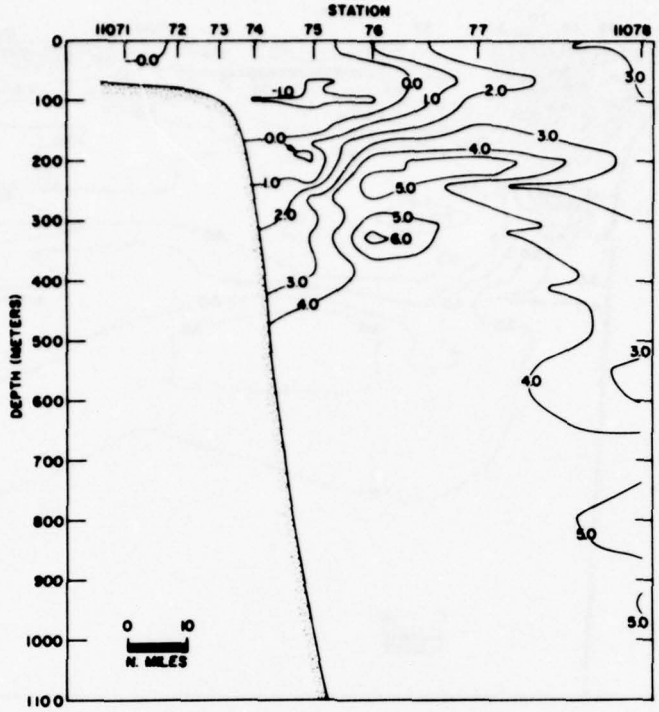


FIGURE 29. Vertical temperature (°C) profile for section A4 occupied by CGC EVERGREEN, 18 April 1972.

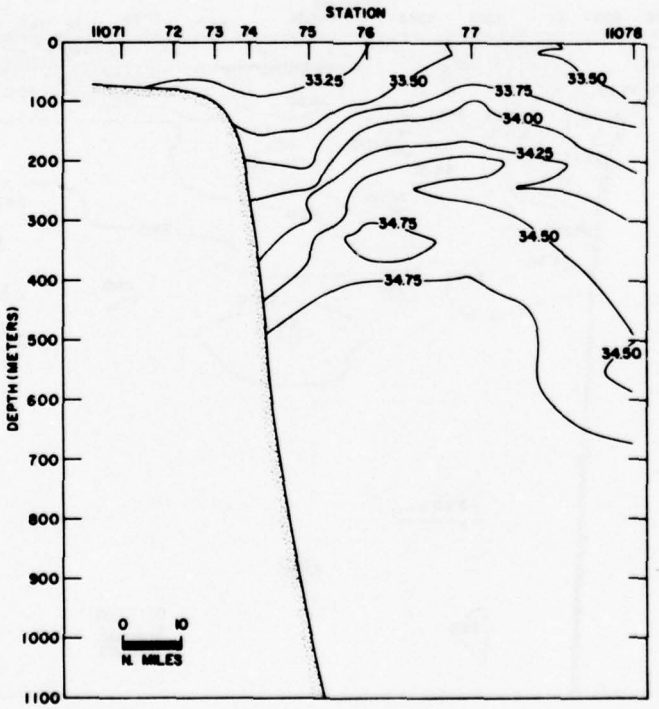


FIGURE 30. Vertical salinity (°/₀₀) profile for section A4 occupied by CGC EVERGREEN, 18 April 1972.

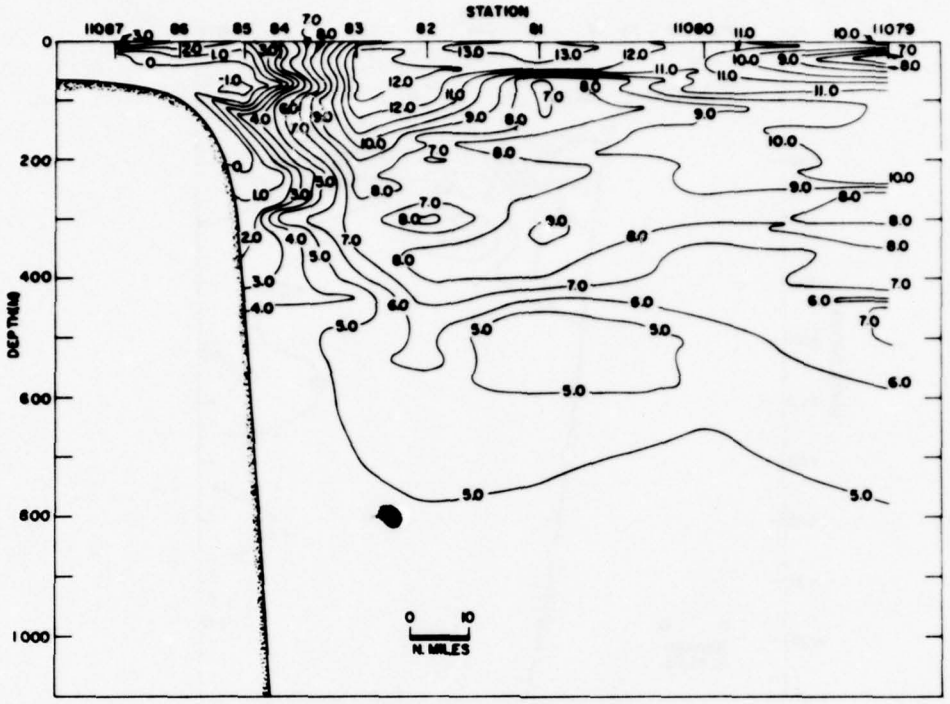


FIGURE 31. Vertical temperature (°C) profile for section A4 occupied by CGC EVERGREEN, 9–10 May 1972.

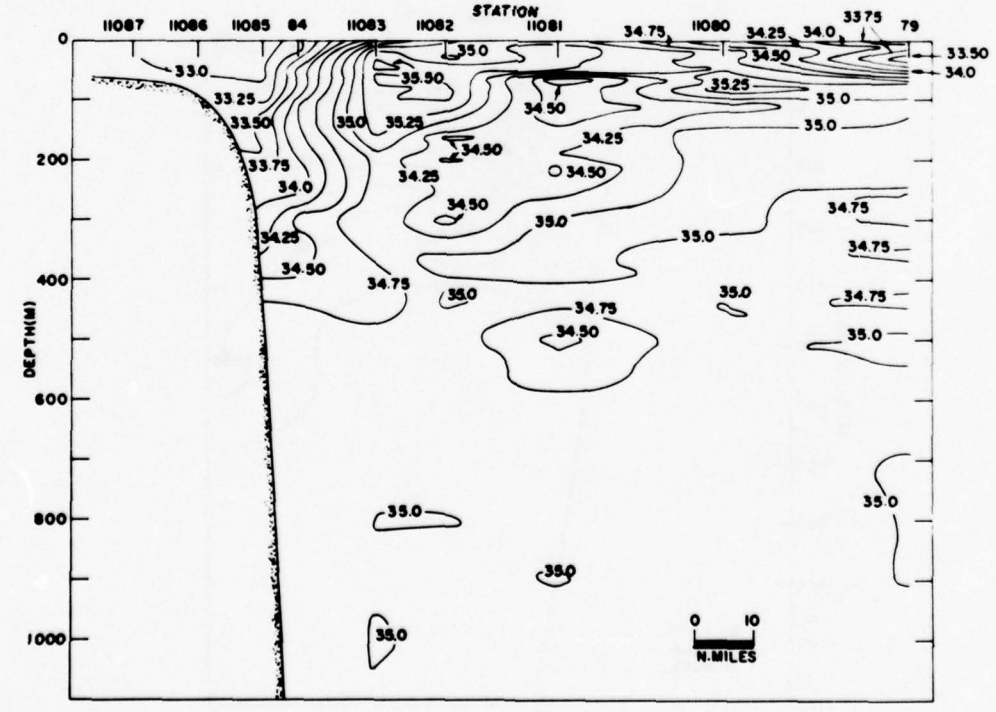


FIGURE 32. Vertical salinity (°/₀₀) profile for section A4 occupie dby CGC EVERGREEN, 9–10 May 1972.

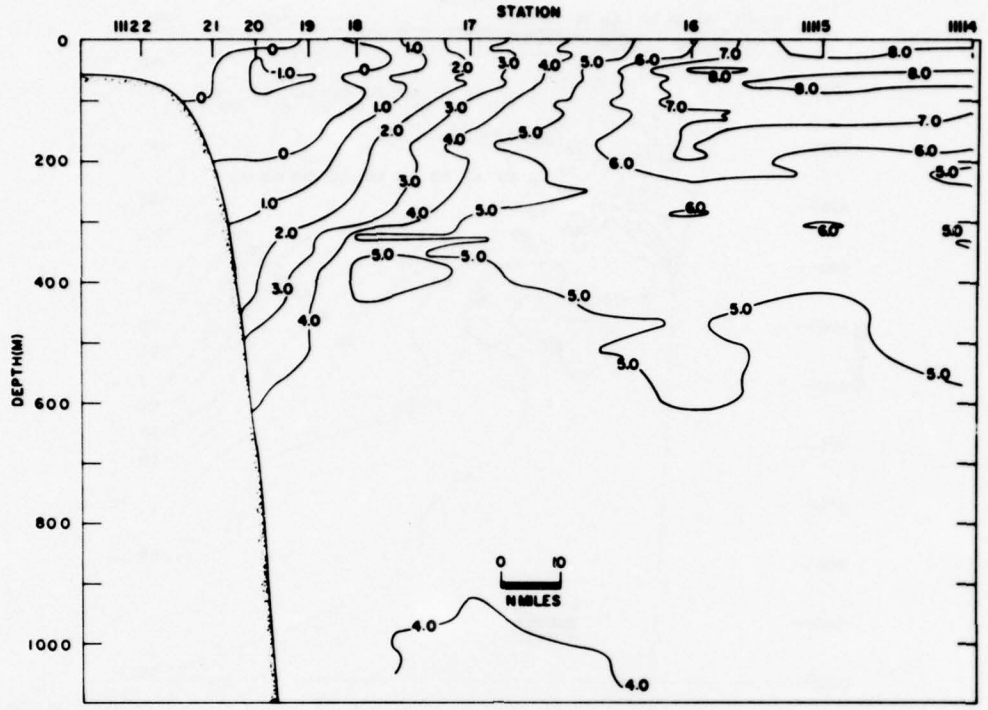


FIGURE 33. Vertical temperature (°C) profile for section A3 occupied by CGC EVERGREEN, 13–14 May 1972.

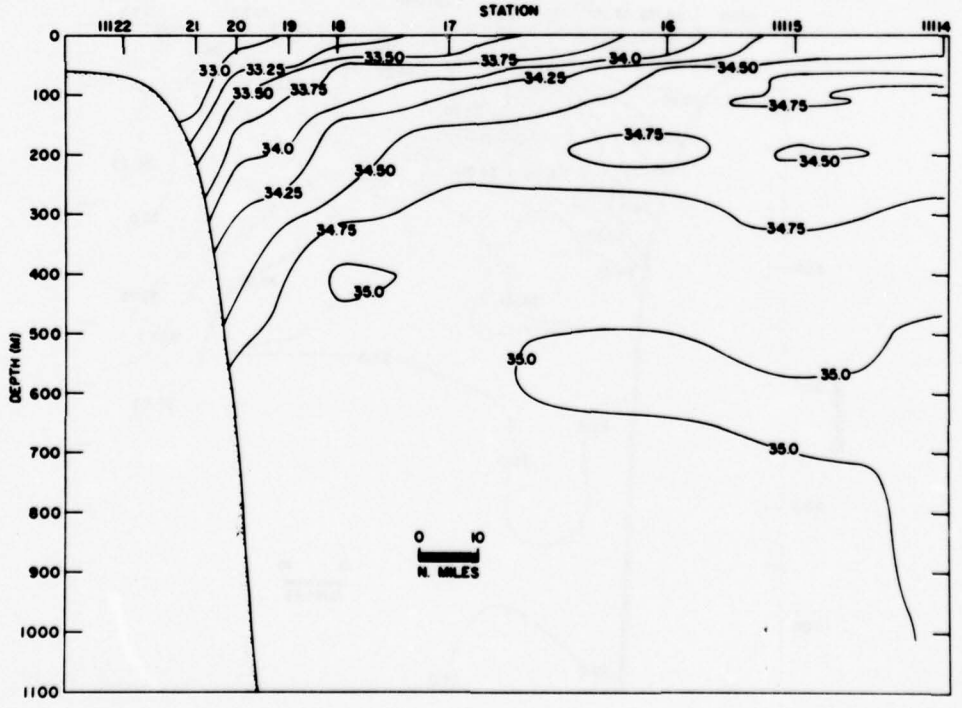


FIGURE 34. Vertical salinity (°/₀₀) profile for section A3 occupied by CGC EVERGREEN, 13–14 May 1972.

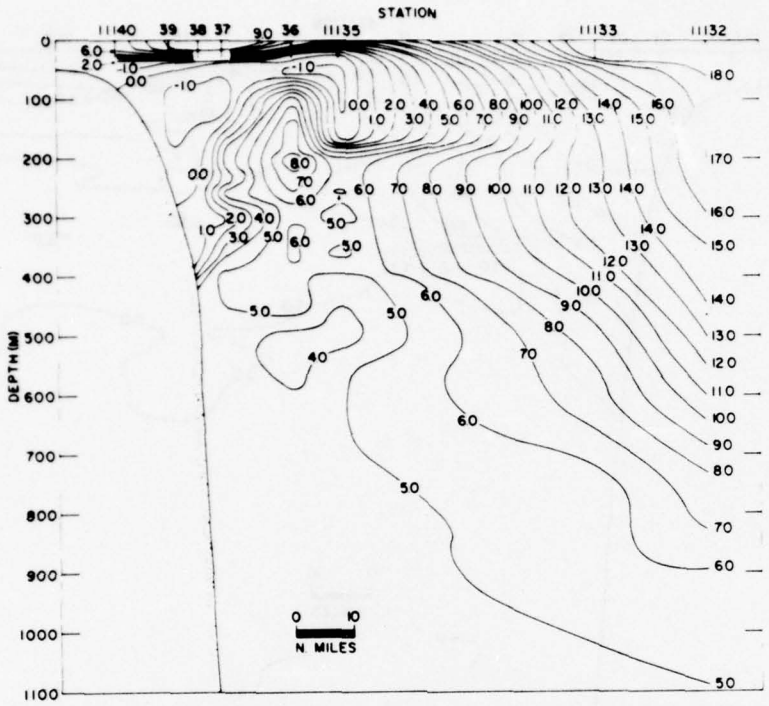


FIGURE 35. Vertical temperature (°C) profile for section A4 occupied by CGC EVERGREEN, 7 June 1972.

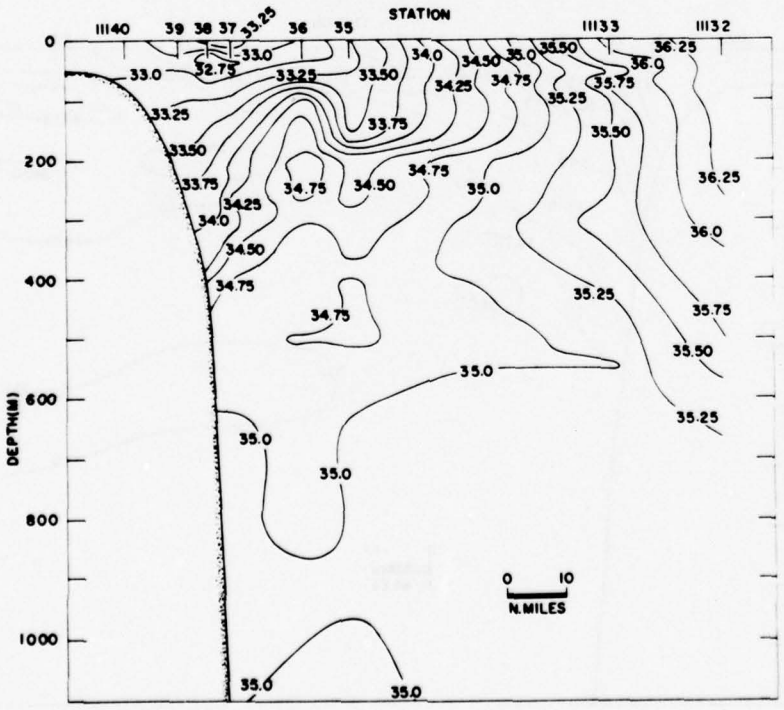


FIGURE 36. Vertical salinity (°/₀₀) profile for section A4 occupied by CGC EVERGREEN, 7 June 1972.

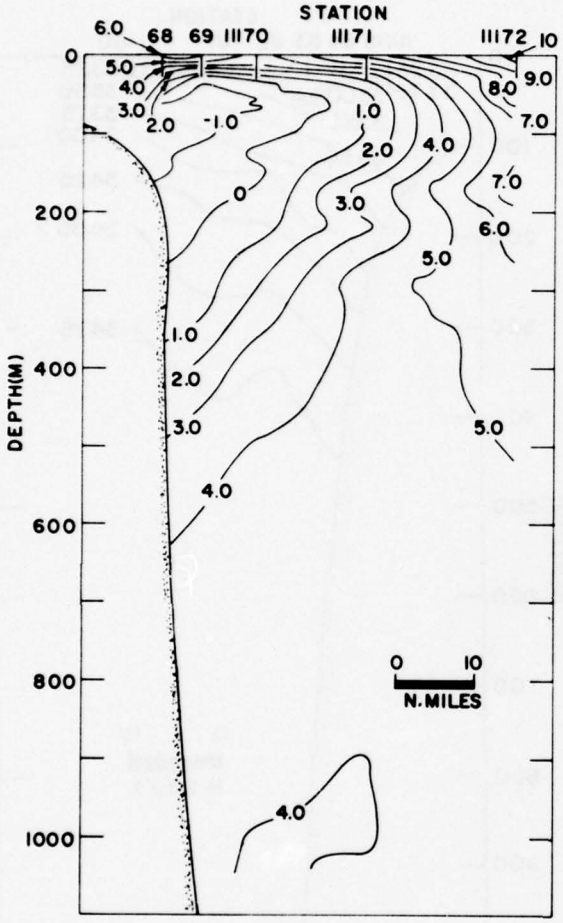


FIGURE 37. Vertical temperature (°C) profile for section A3 occupied by CGC EVERGREEN, 16 June 1972.

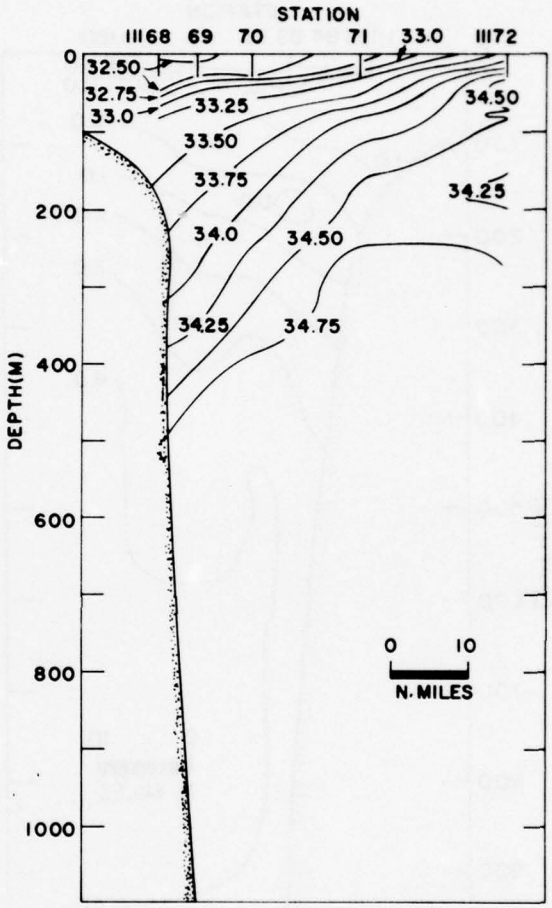


FIGURE 38. Vertical salinity (°/₀₀) profile for section A3 occupied by CGC EVERGREEN, 16 June 1972.

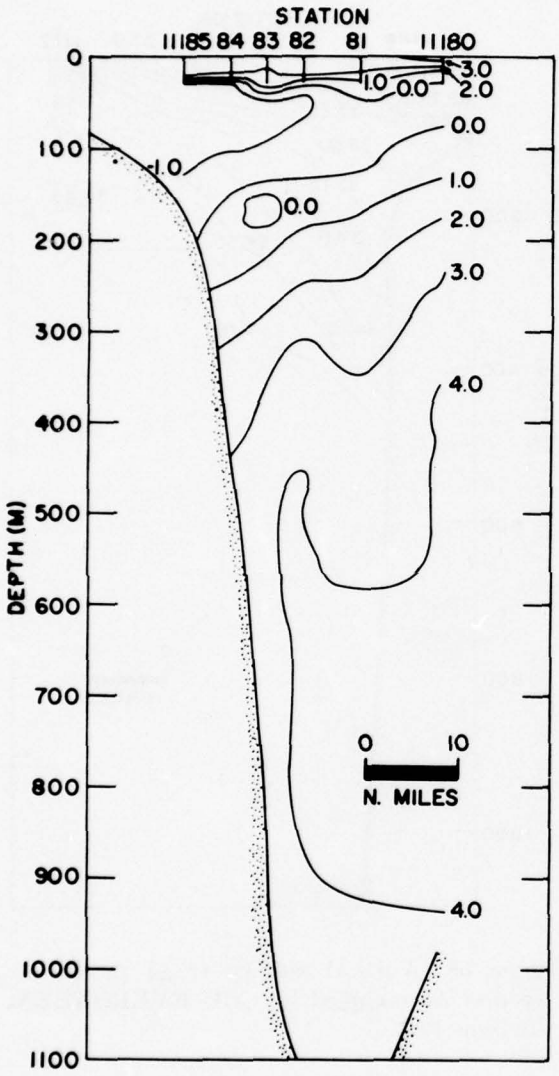


FIGURE 39. Vertical temperature (°C) profile for section A2 occupied by CGC EVERGREEN, 18 June 1972.

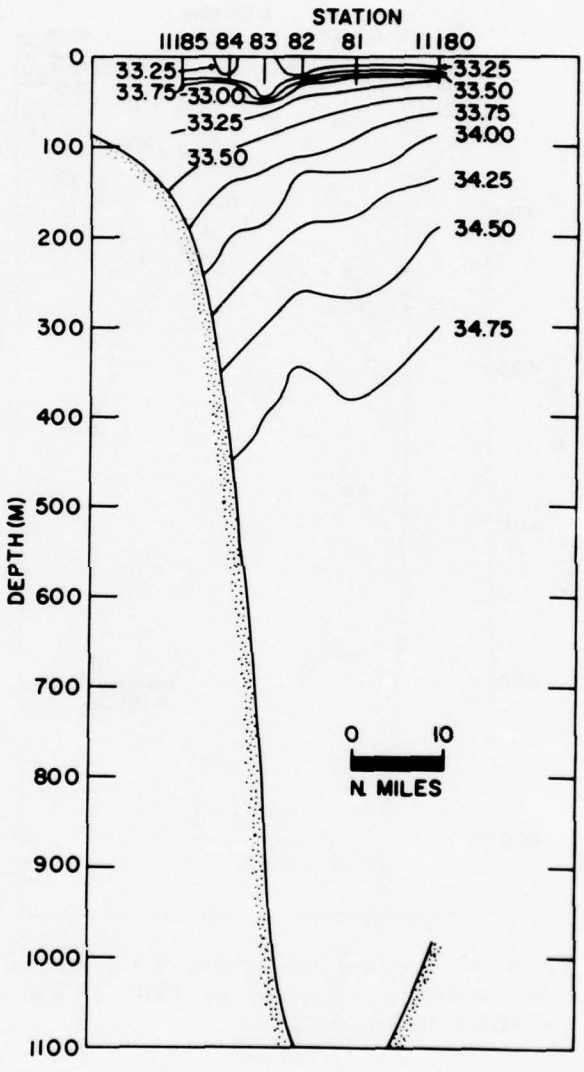


FIGURE 40. Vertical salinity (°/₀₀) profile for section A2 occupied by CGC EVERGREEN, 18 June 1972.

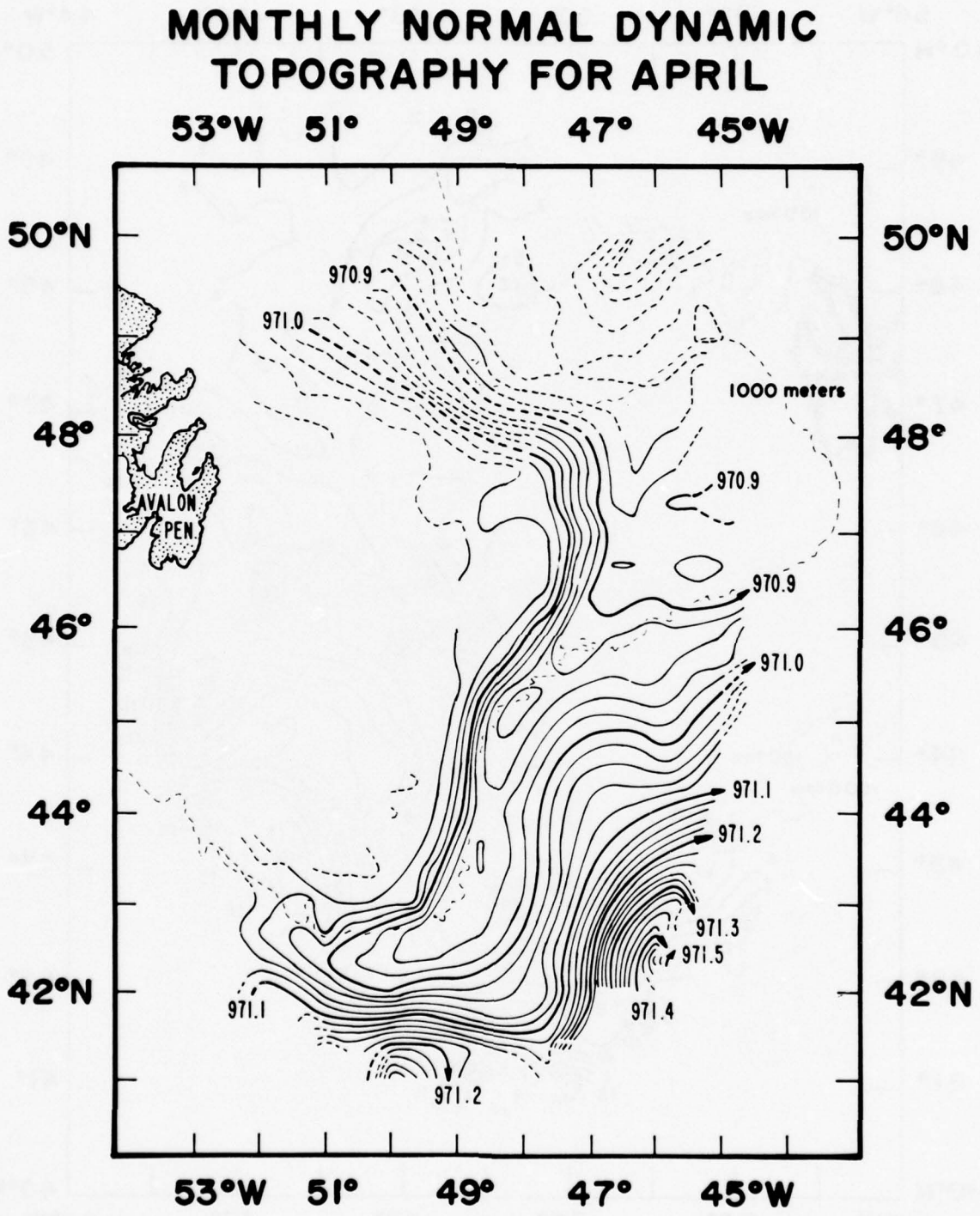


FIGURE 41. April monthly normal dynamic topography (dynamic meters) of the sea surface relative to the 1,000 decibar surface. Contour interval is 2 dynamic centimeters.

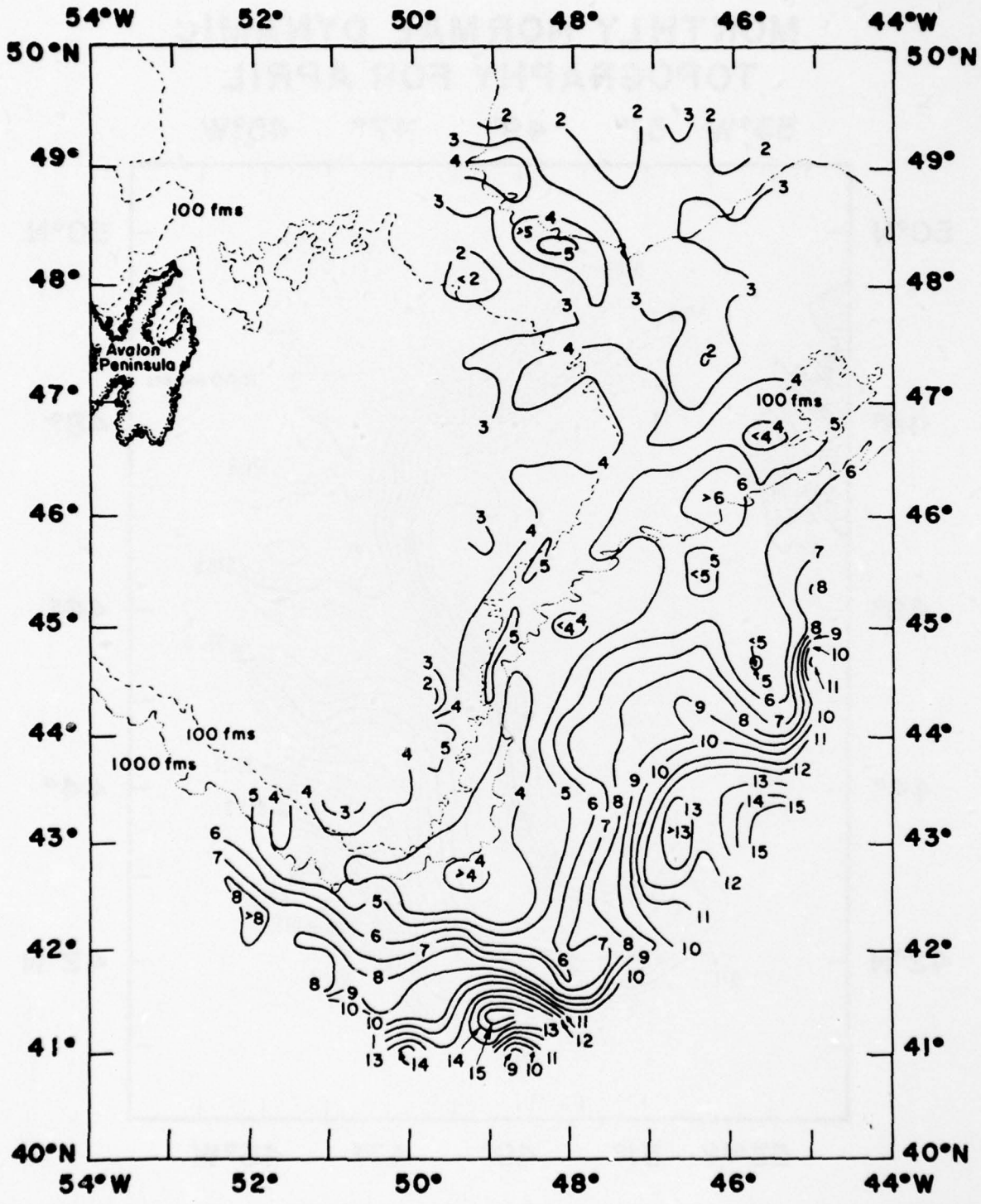


FIGURE 42. Field of standard deviation of dynamic height of the individual surveys from the April normal. Contour level is 1 dynamic centimeter.

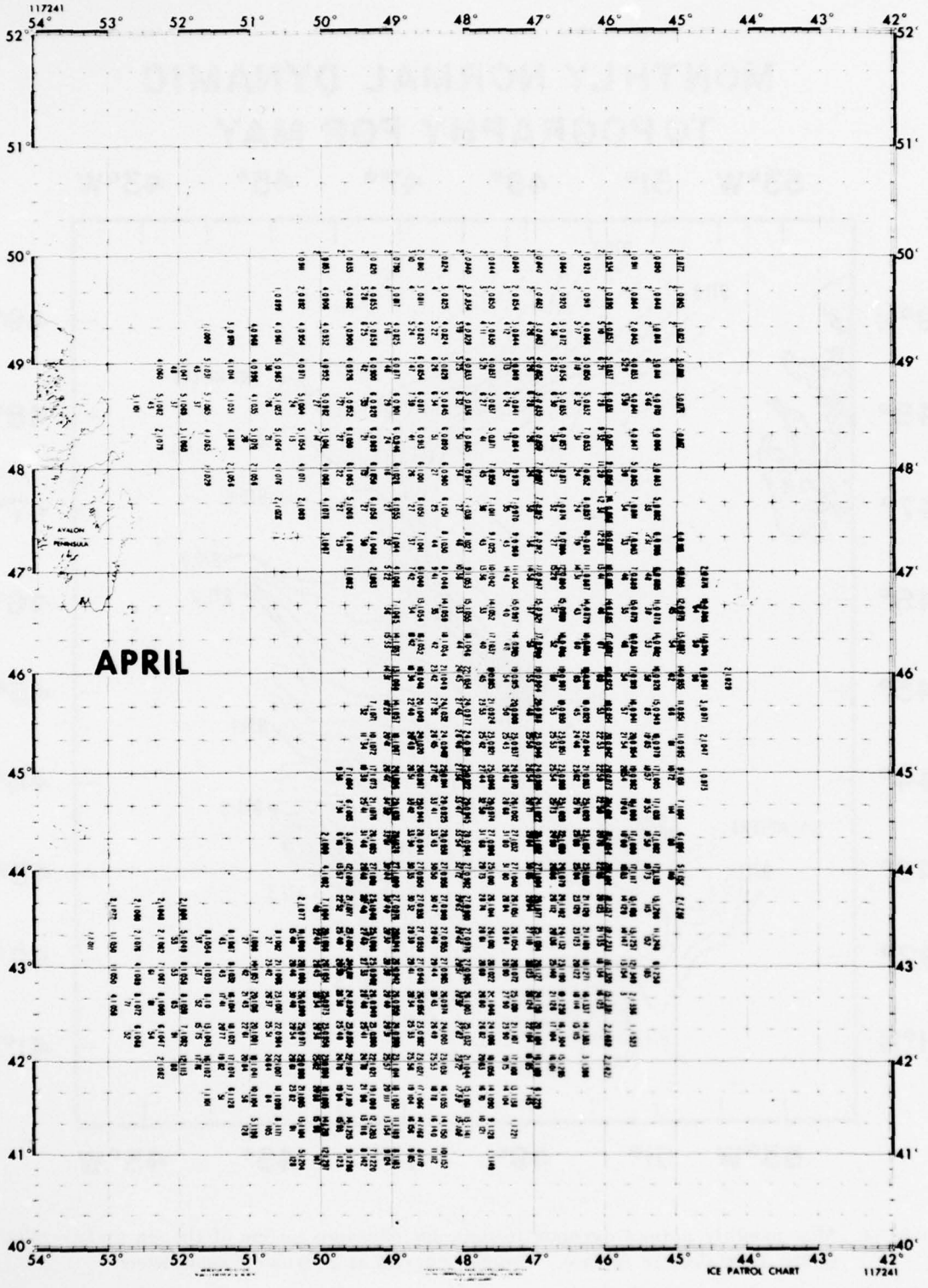


FIGURE 43. Numerical digest of data pertinent to the April normal dynamic topography.

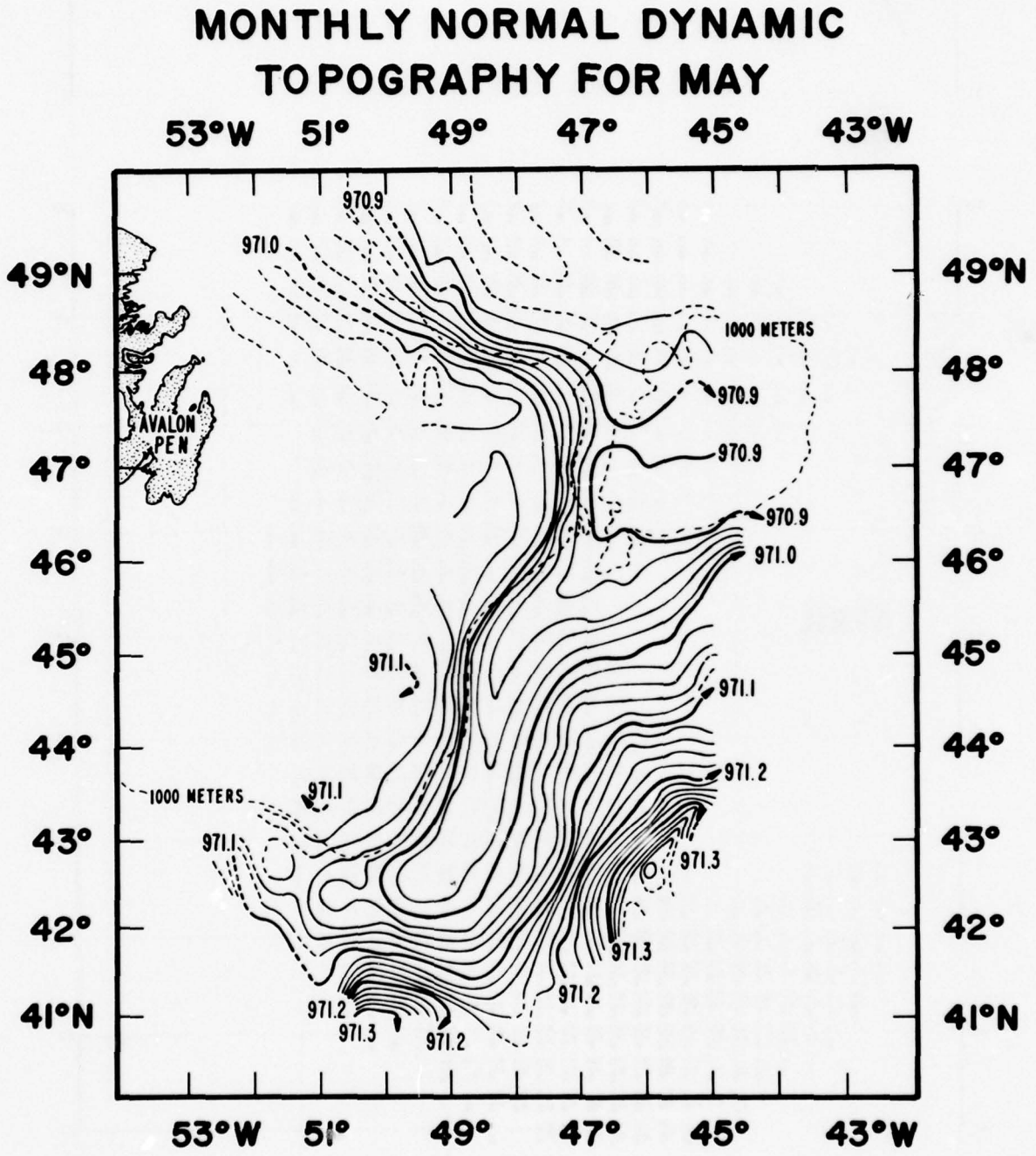


FIGURE 44. May monthly normal dynamic topography (dynamic meters of the sea surface relative to the 1,000 decibar surface. Contour interval is 2 dynamic centimeters.

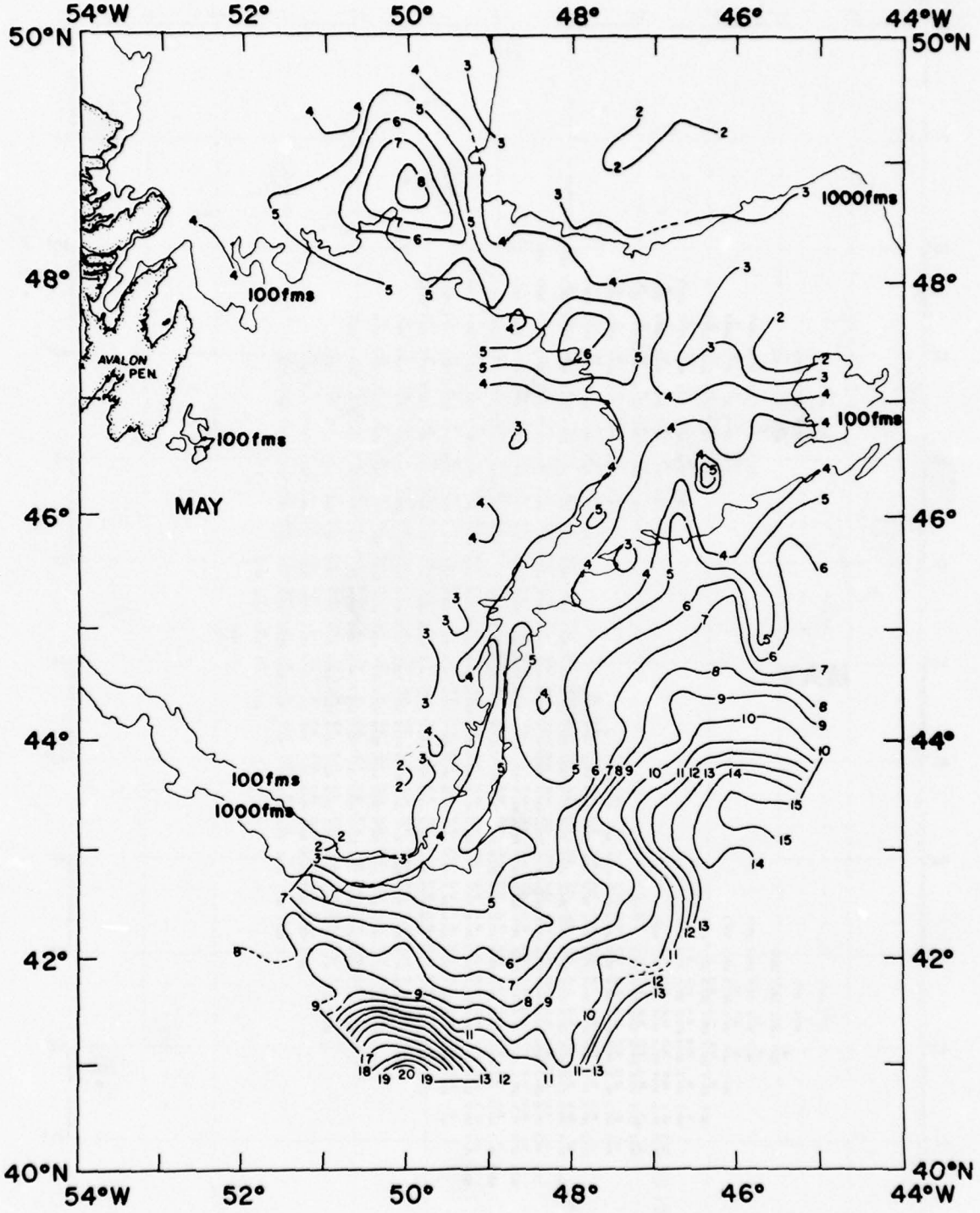


FIGURE 45. Field of standard deviation of dynamic height of the individual surveys from the May normal. Contour level is 1 dynamic centimeter.

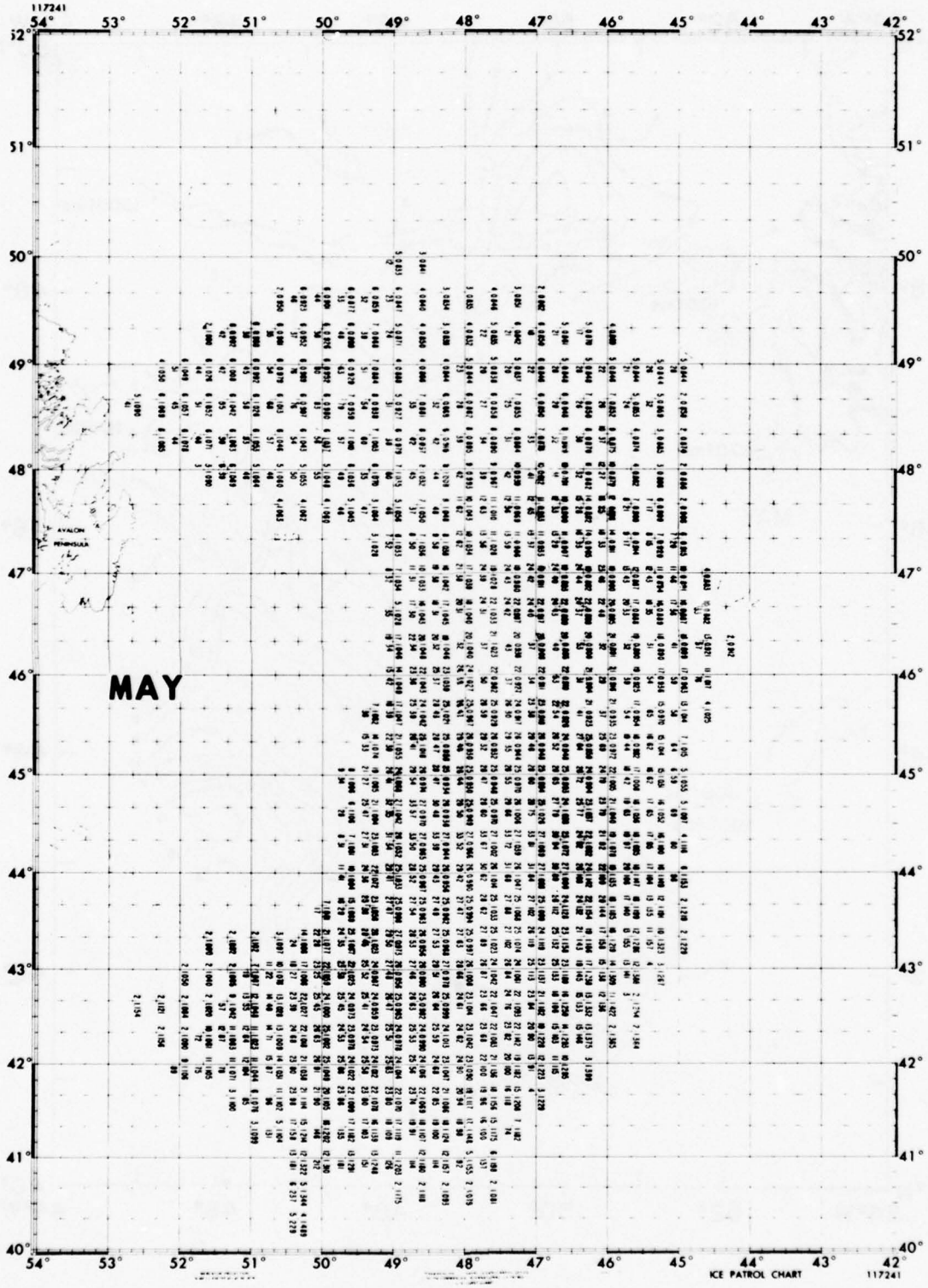


FIGURE 46. Numerical digest of data pertinent to the May normal dynamic topography.

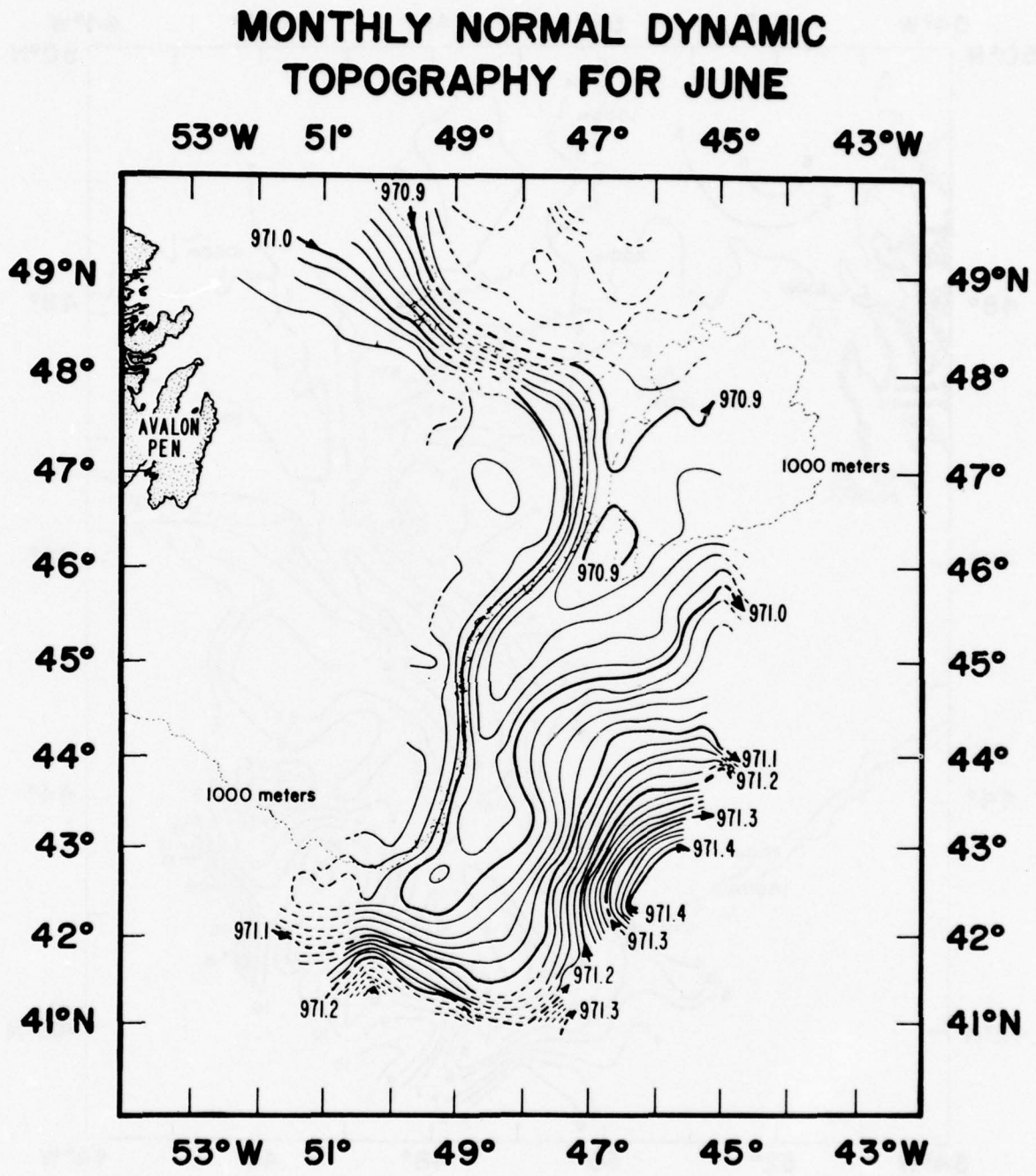


FIGURE 47. June monthly normal dynamic topography (dynamic meters) of the sea surface relative to the 1,000 decibar surface. Contour interval is 2 dynamic centimeters.

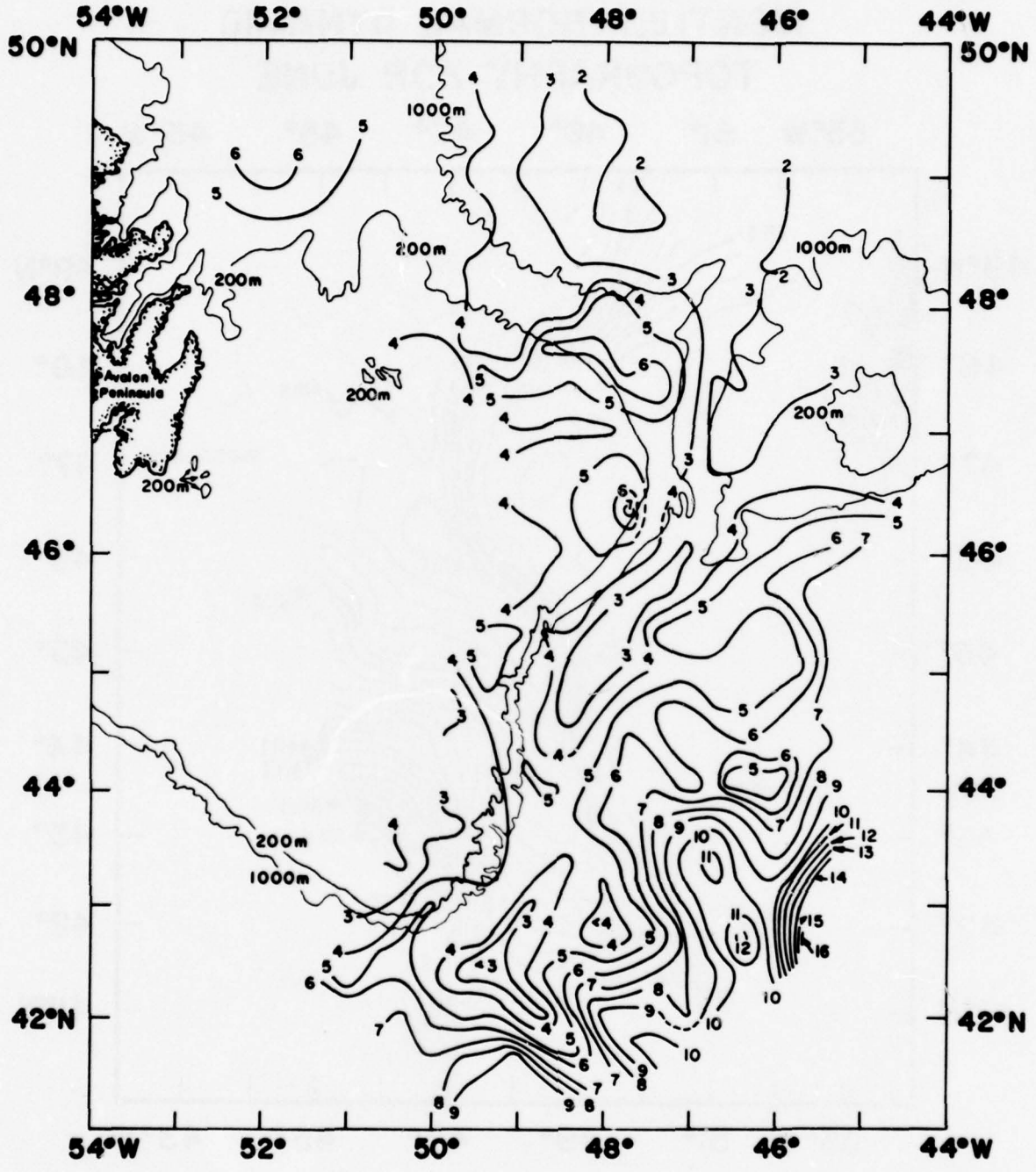


FIGURE 48. Field of standard deviation of dynamic height of the individual surveys from the June normal. Contour level is 1 dynamic centimeter.

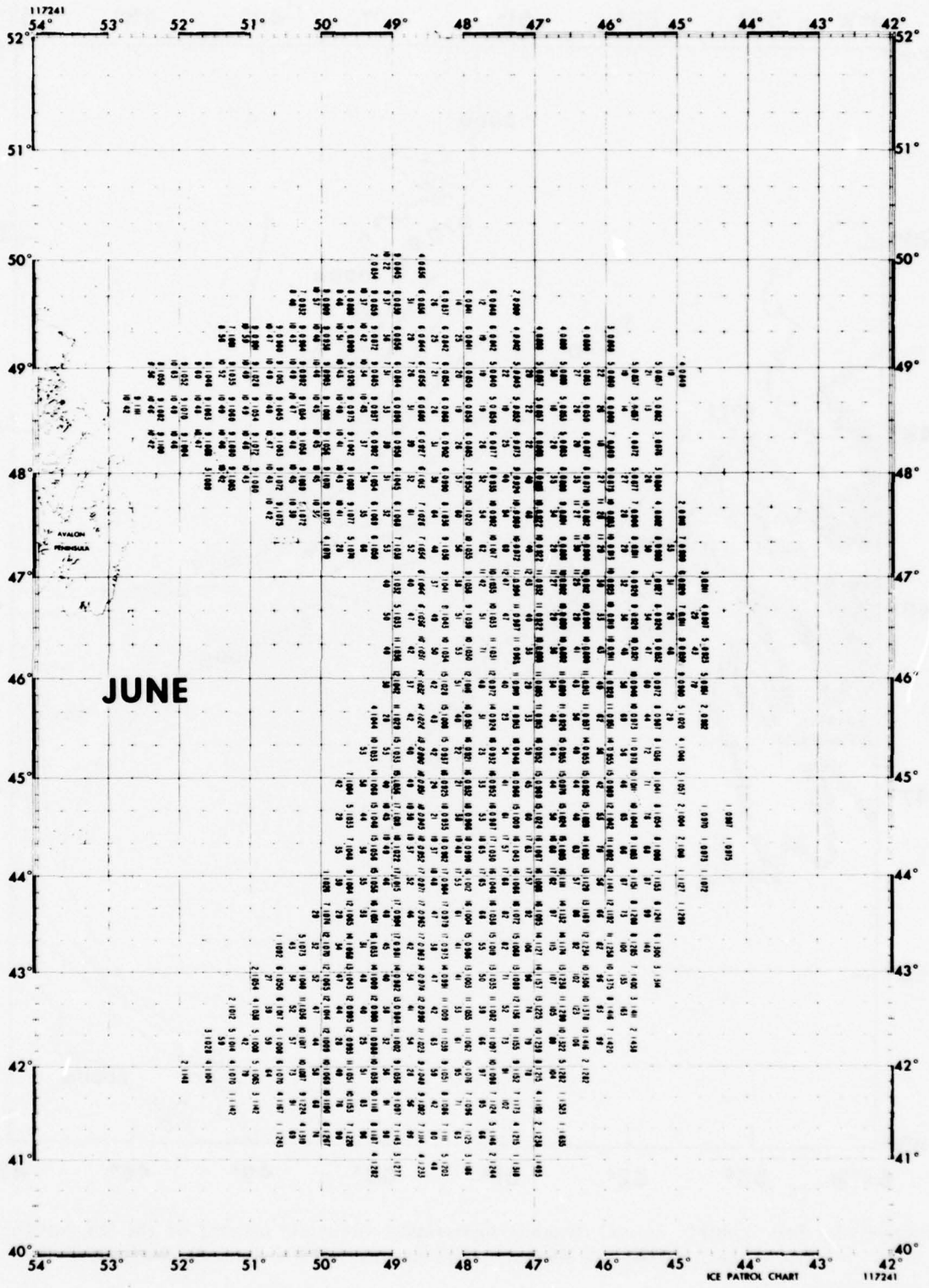


FIGURE 49. Numerical digest of data pertinent to the June normal dynamic topography.

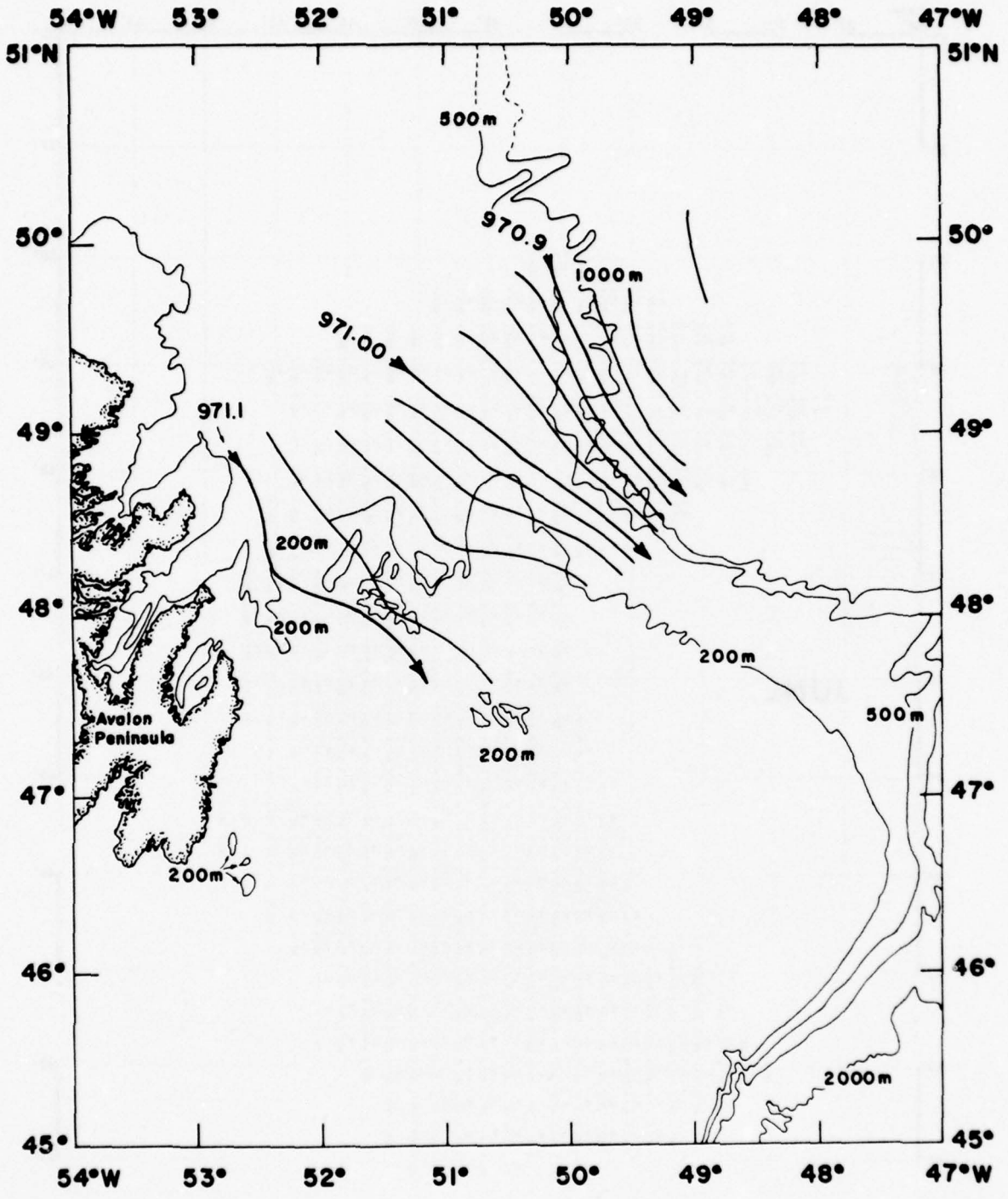


FIGURE 50. July monthly normal dynamic topography (dynamic meters) of the sea surface relative to the 1,000 decibar surface. Contour interval is 2 dynamic centimeters.

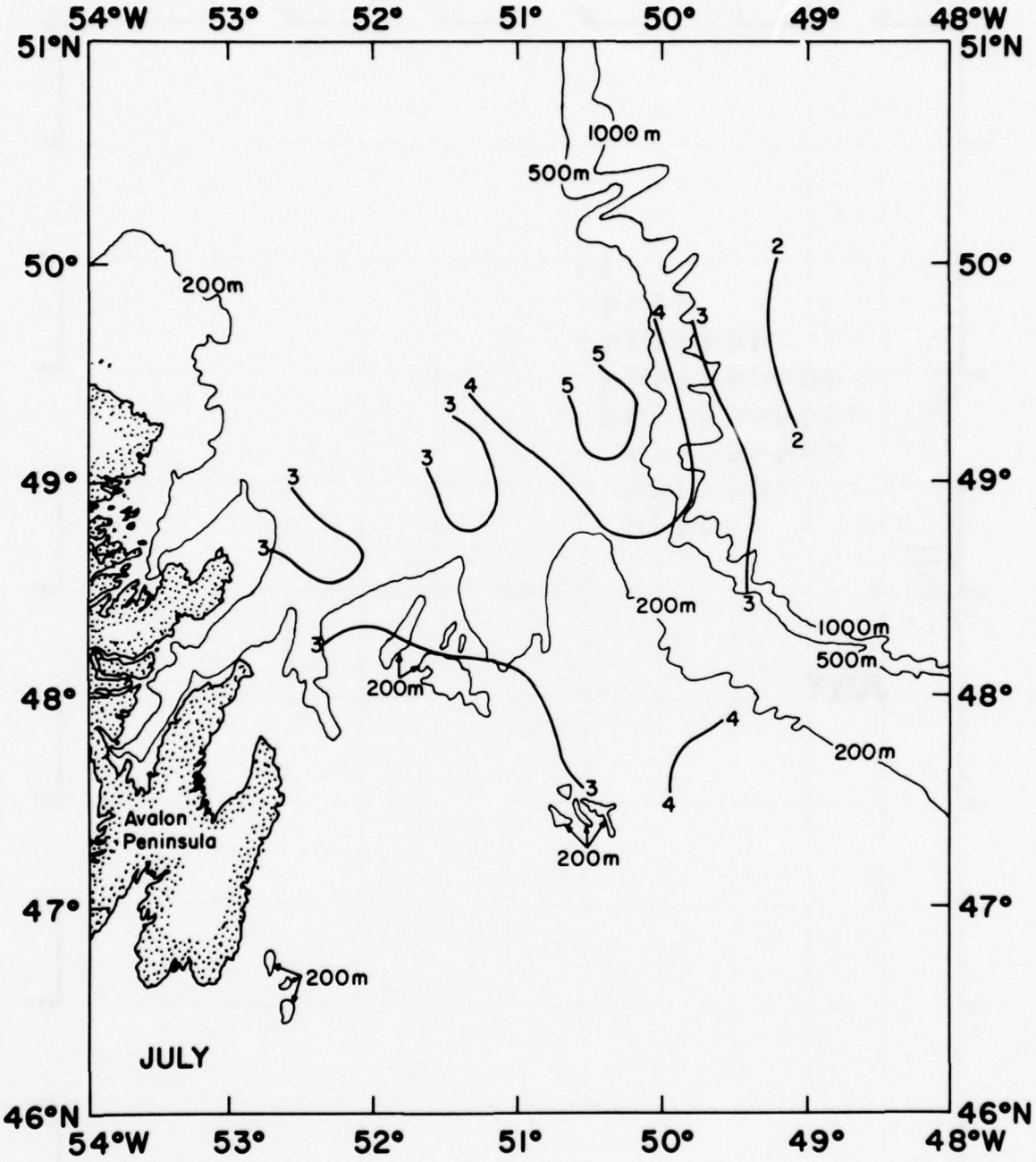


FIGURE 51. Field of standard deviation of dynamic height of the individual surveys from the July normal. Contour level is 1 dynamic centimeter.

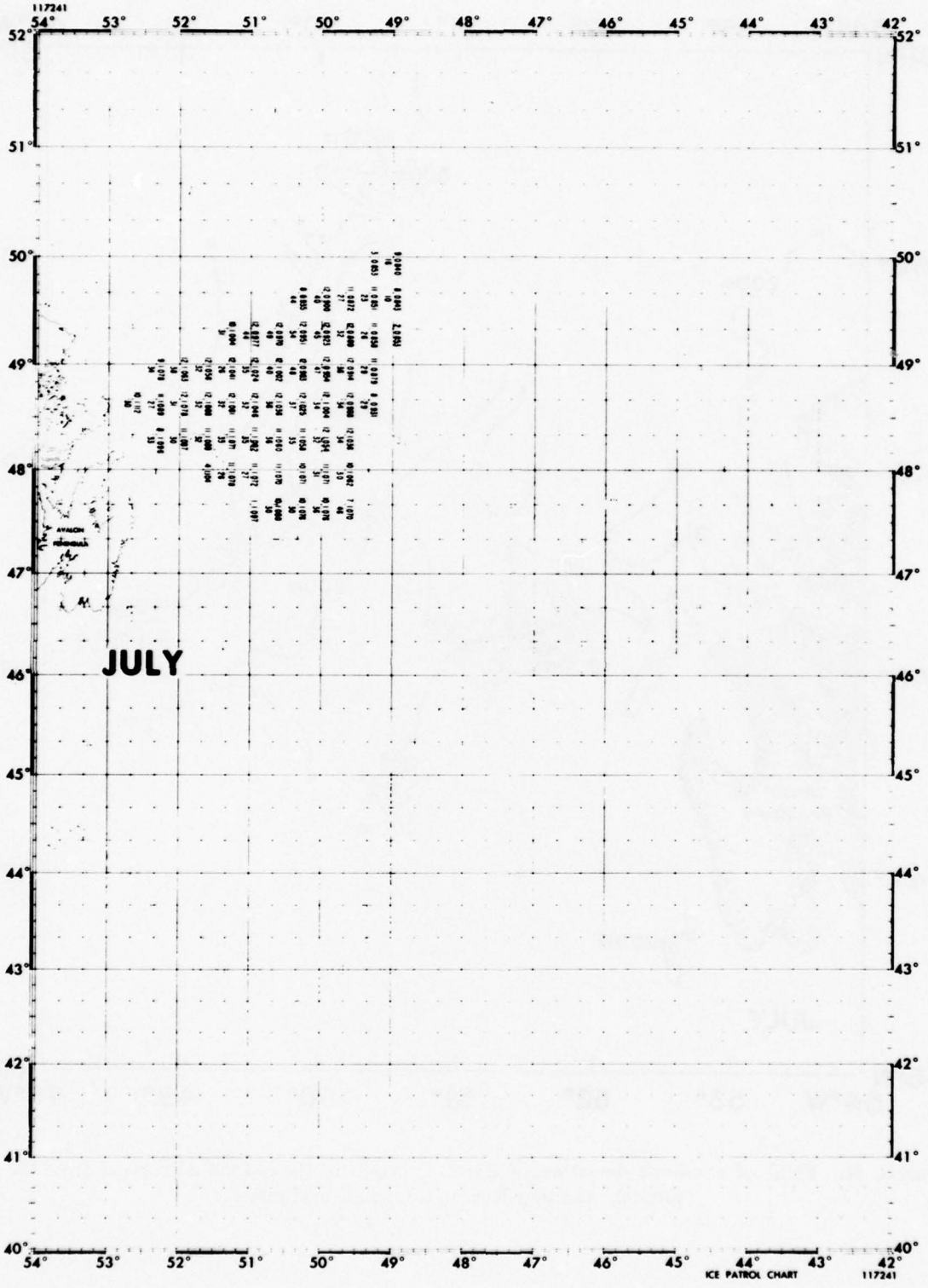


FIGURE 52. Numerical digest of data pertinent to the July normal dynamic topography.

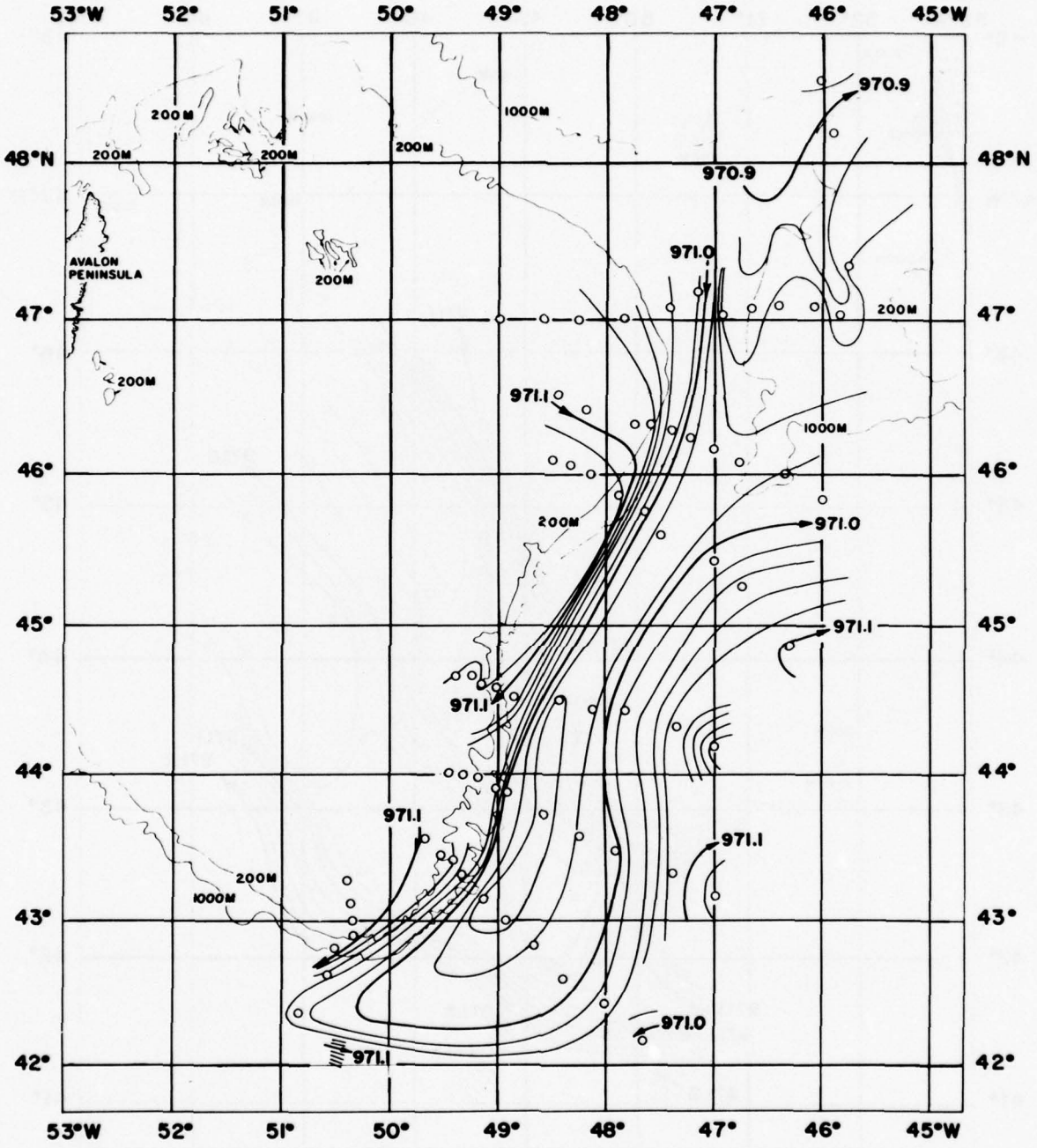


FIGURE 53. Sea surface dynamic topography (dynamic meters) relative to the 1,000 decibar level, CGC EVERGREEN 7–18 April 1972. Contour level is 2 dynamic centimeters.

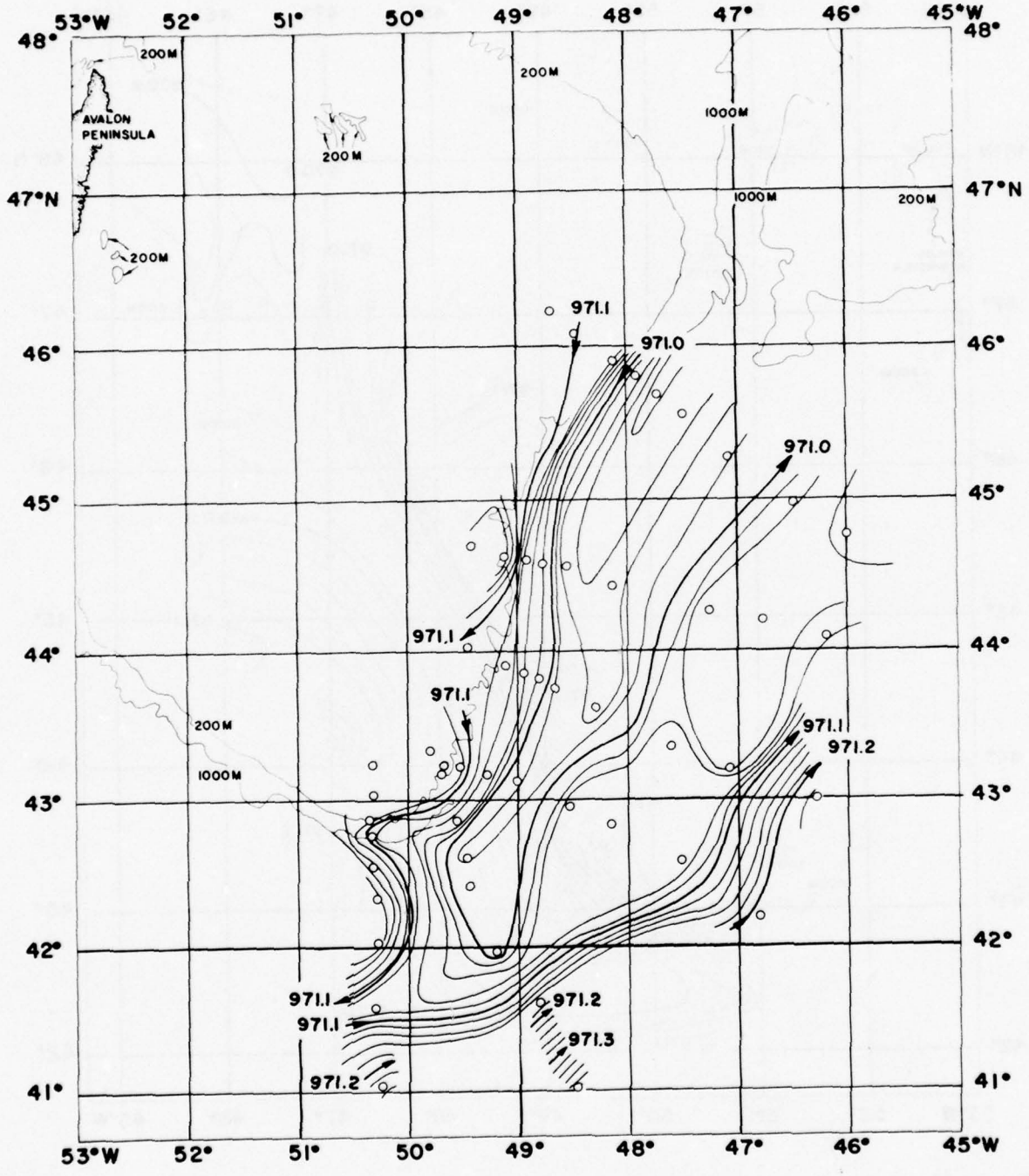


FIGURE 54. Sea surface dynamic topography (dynamic meters) relative to the 1,000 decibar level, CGC EVERGREEN 9–14 May 1972. Contour level is 2 dynamic centimeters.

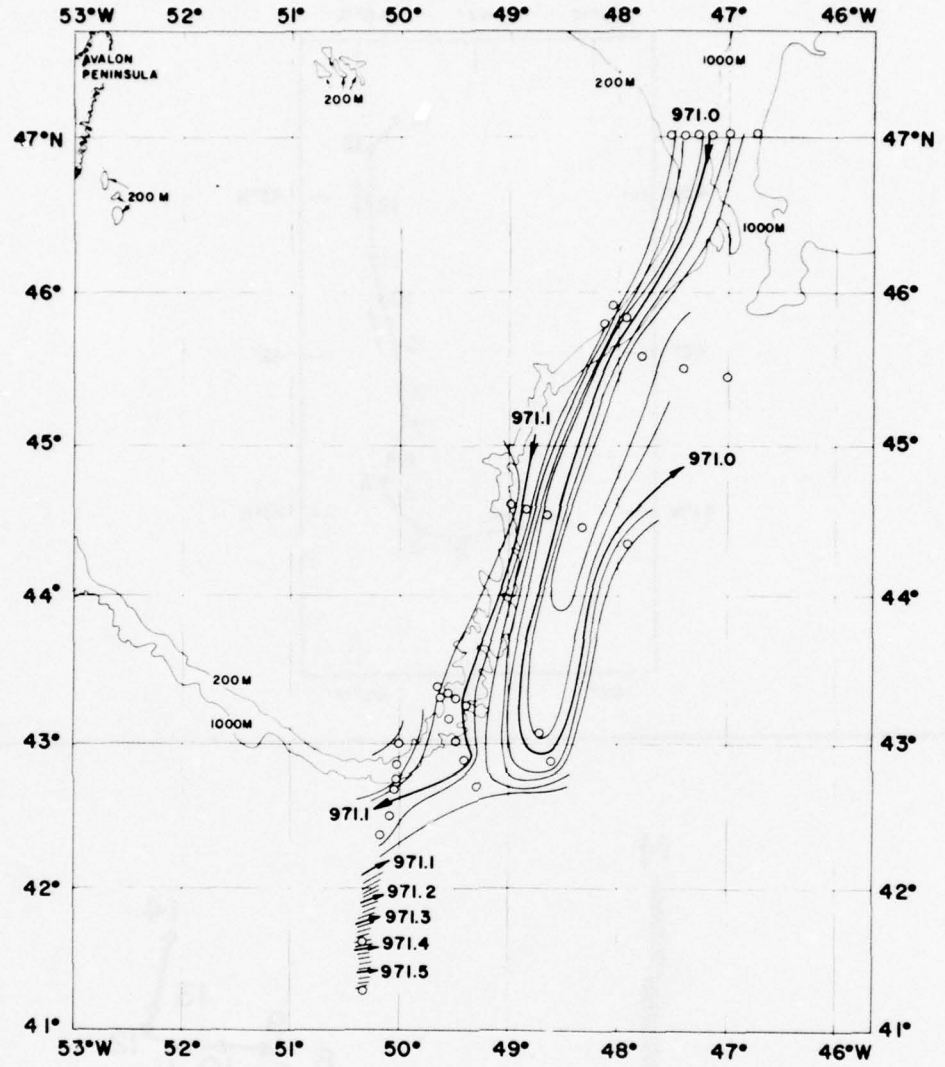


FIGURE 55. Sea surface dynamic topography (dynamic meters) relative to the 1,000 decibar level. CGC EVERGREEN 7–18 June 1972. Contour level is 2 dynamic centimeters.

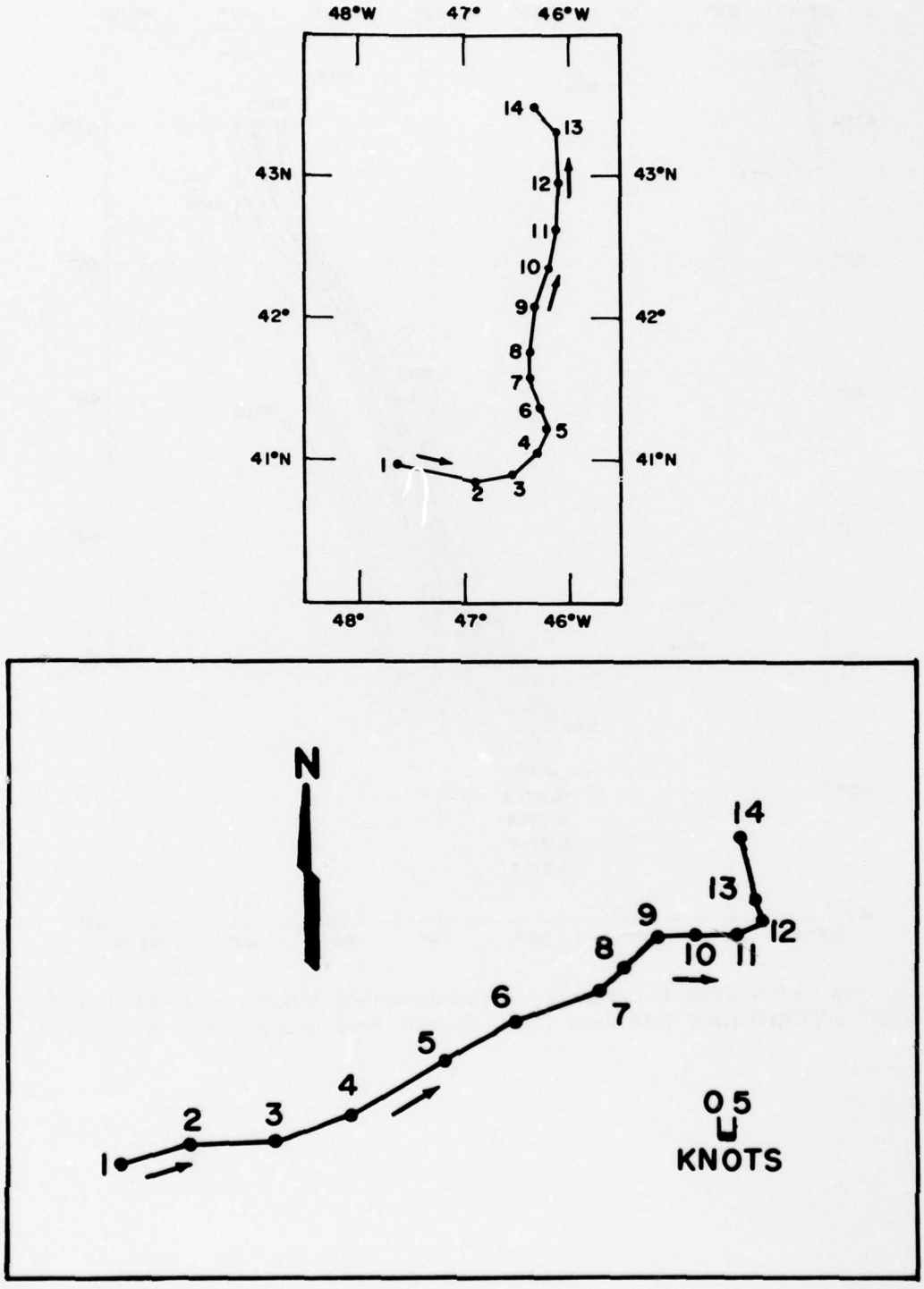


FIGURE 56. a. Drift of iceberg tracked from 5 to 11 May 1972 (Observations commenced 0500Z 5 May—sample interval 12 hours). b. Progressive vector diagram of winds in vicinity of study iceberg (Observations commenced 0000Z 5 May—sample interval 12 hours).

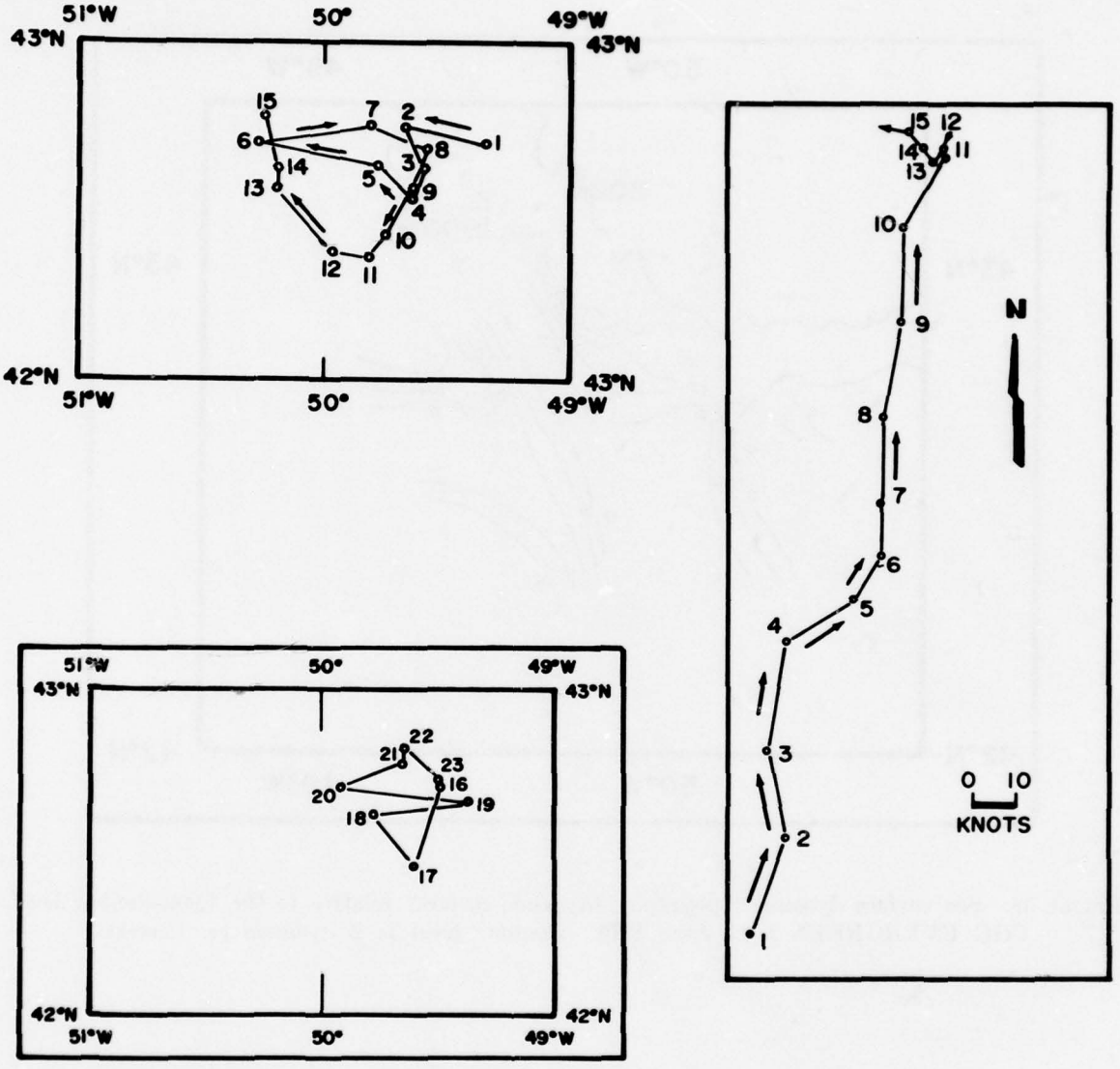


FIGURE 57. a. Drift of iceberg tracked from 8 to 15 June 1972 (Observations commenced 1200Z 8 June—sample interval 12 hours). b. Drift of iceberg tracked from 9 to 13 June 1972 (Observations commenced 1200Z 9 June—sample interval 12 hours). c. Progressive vector diagram of winds in the vicinity of the study icebergs (Observations commenced 1200Z 8 June—sample interval 12 hours).

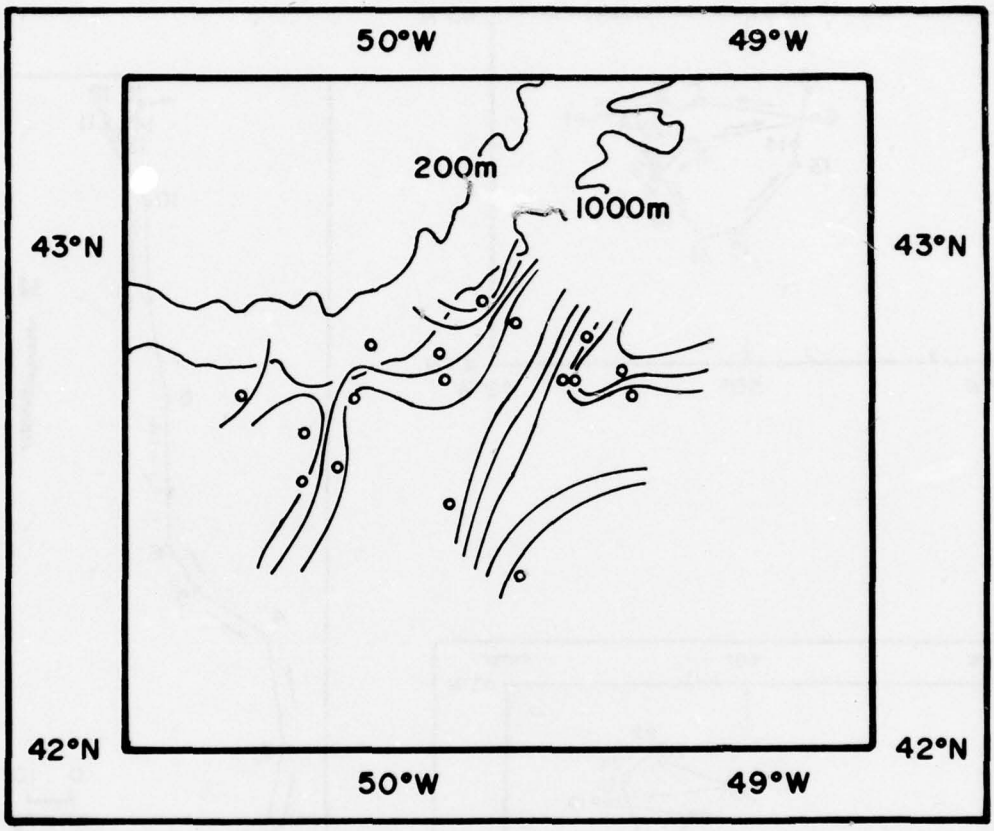


FIGURE 58. Sea surface dynamic topography (dynamic meters) relative to the 1,000 decibar level, CGC EVERGREEN 8–15 June 1972. Contour level is 2 dynamic centimeters.

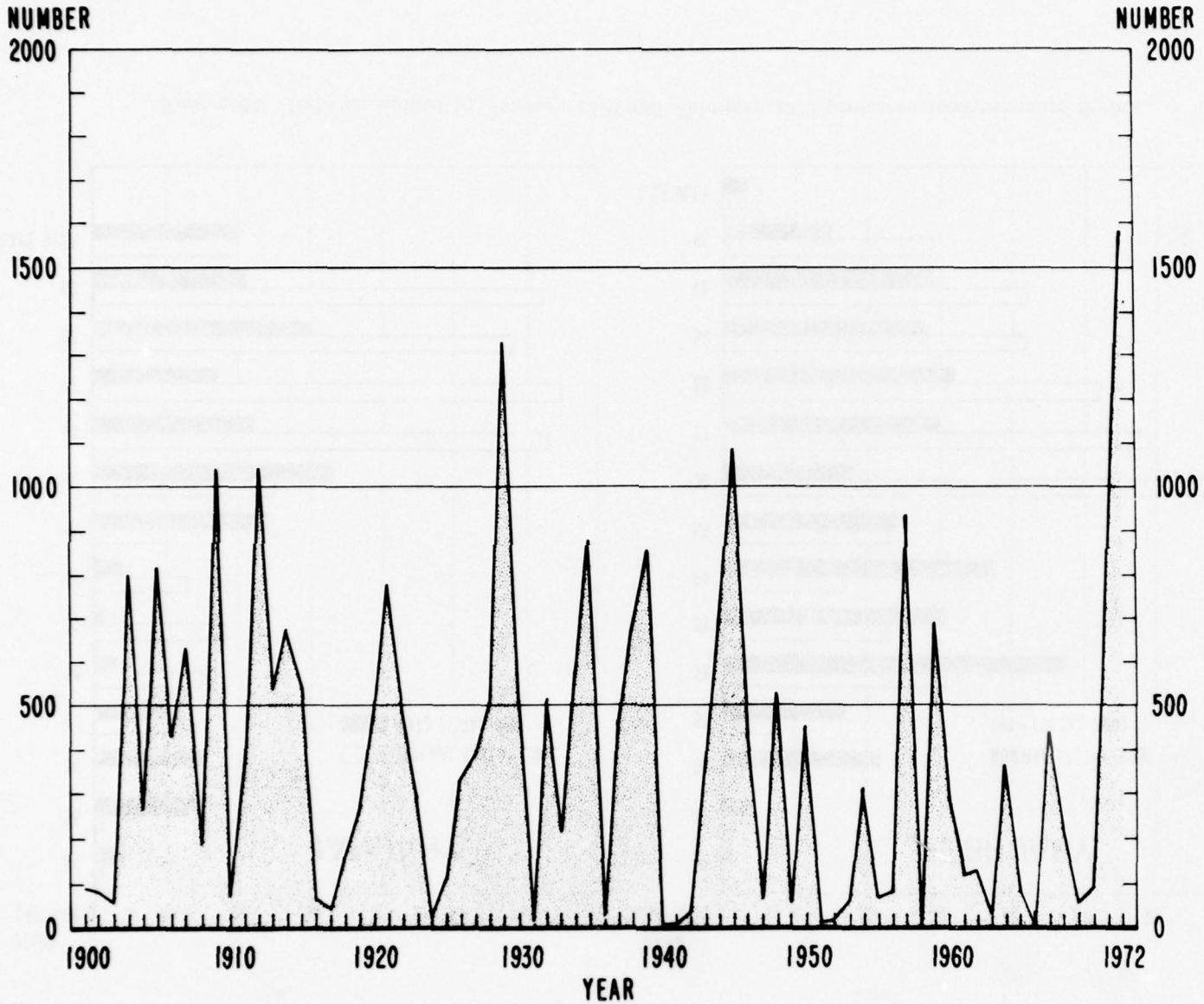


FIGURE 59. Number of icebergs per year which drifted south of 48°N (1900–1972).

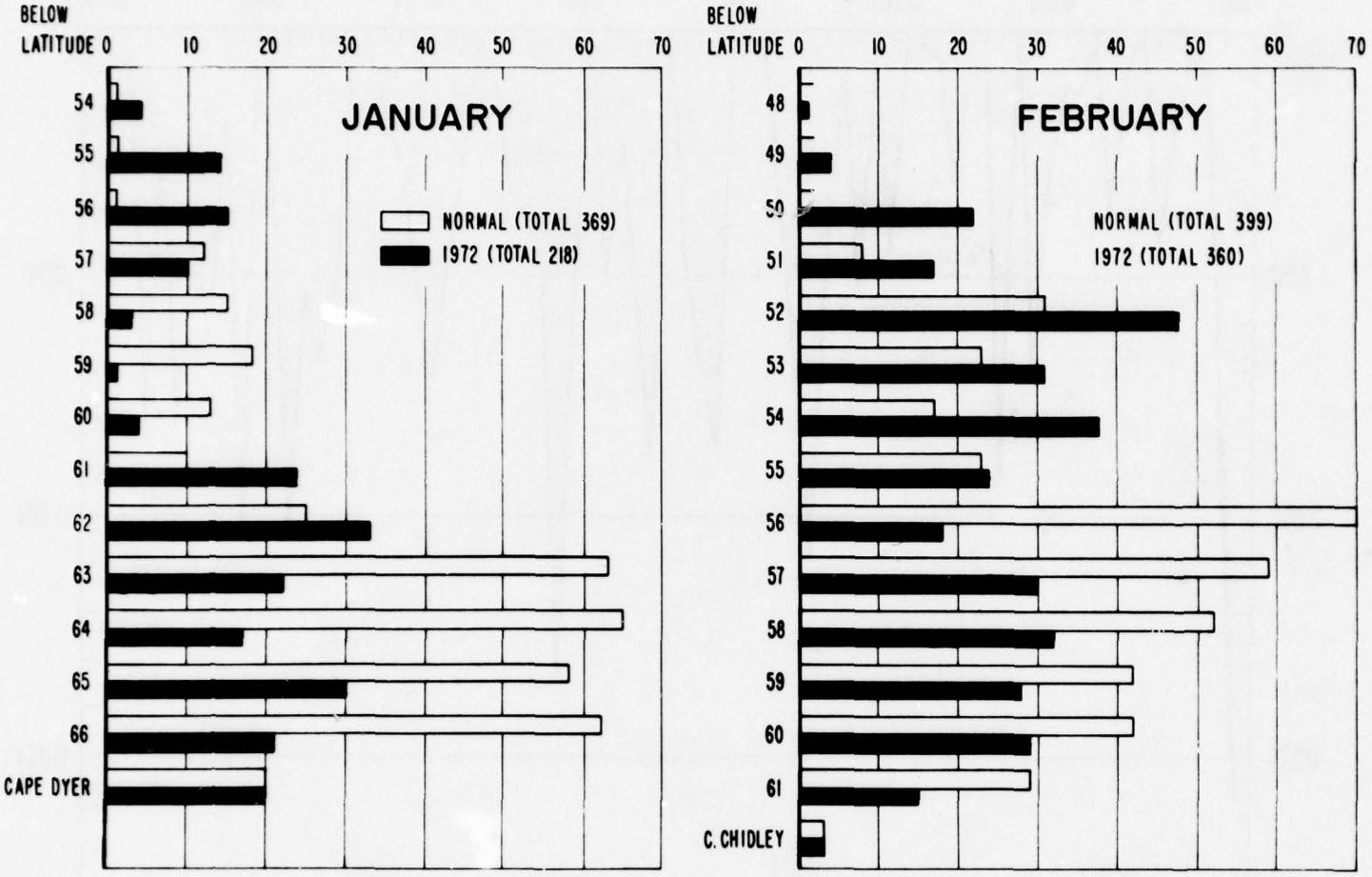


FIGURE 60. Icebergs sighted by January 1972 and February 1972 preseason reconnaissance flights.

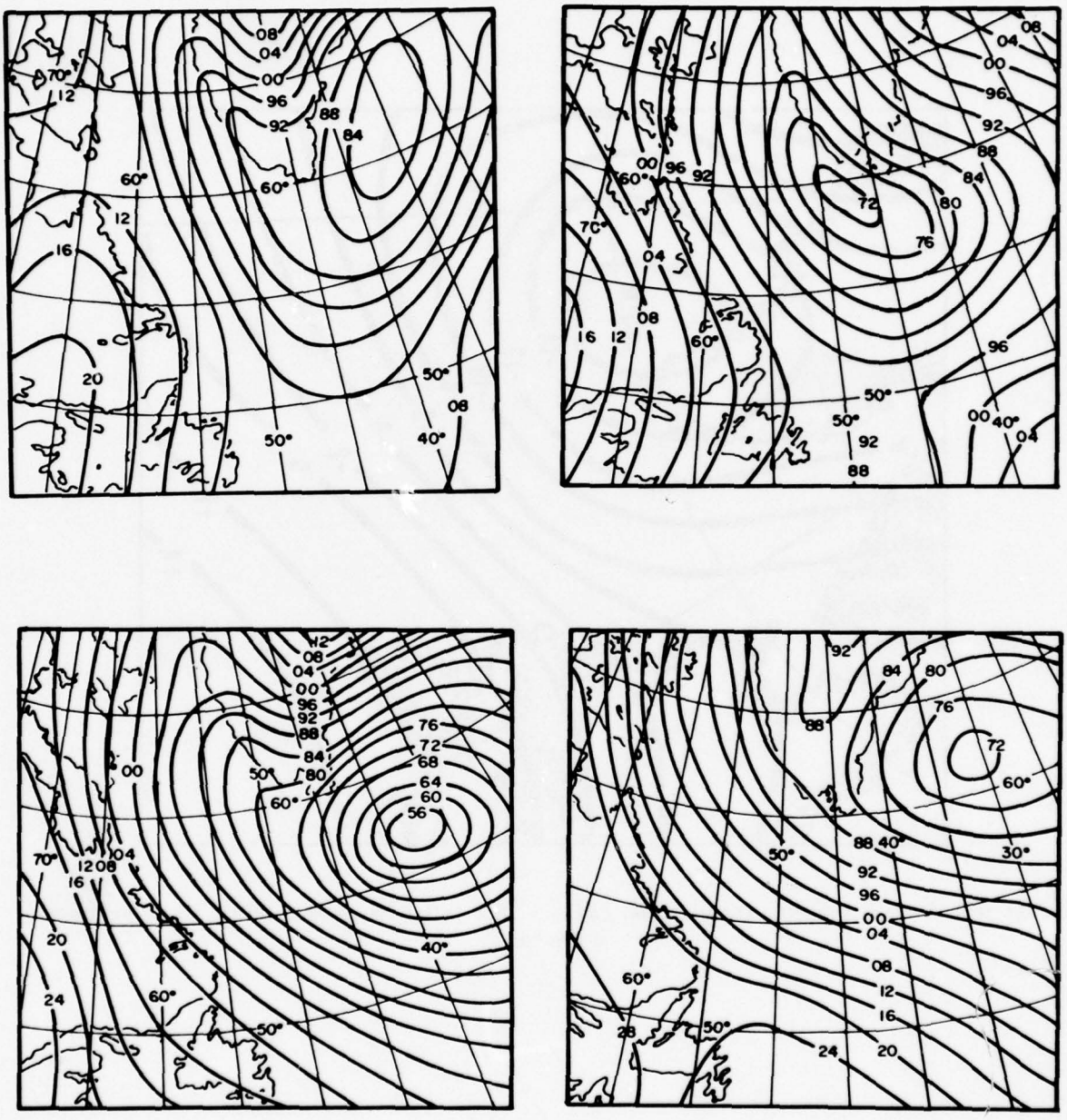


FIGURE 61. Four low pressure systems typical of conditions which existed during the winter of 1971–1972. a. 3 December 1971. b. 6 January 1972. c. 2 February 1972. d. 3 March 1972. Contour interval is 4 decibars.

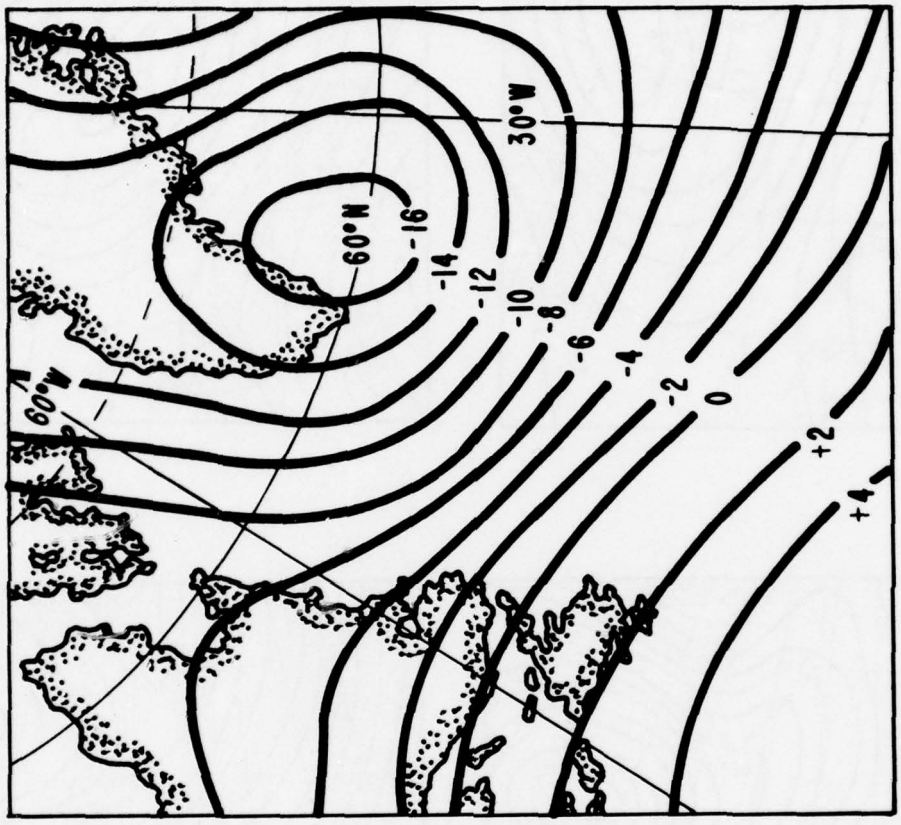


FIGURE 62. Surface pressure anomaly for January 1972 (after Sanderson, 1972). Contour interval 2 decibars.

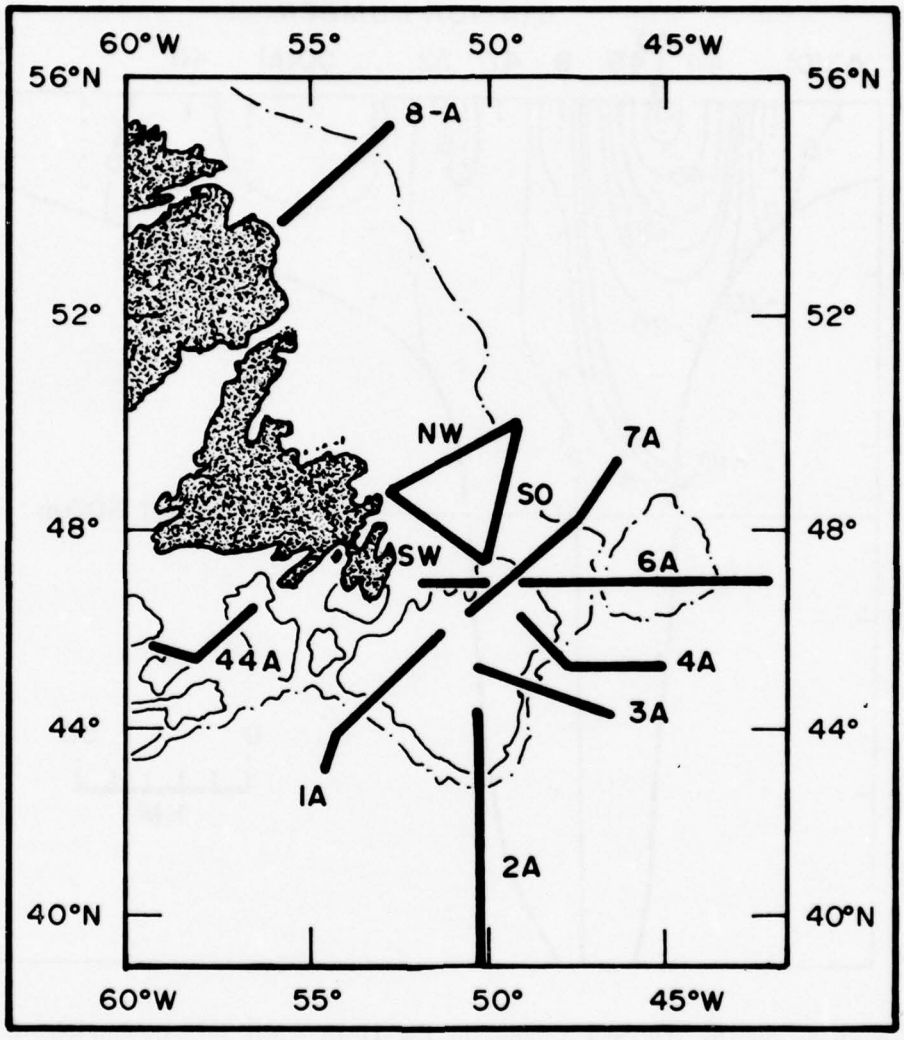


FIGURE 63. Standard Russian oceanographic sections near Newfoundland (after Burmakin).

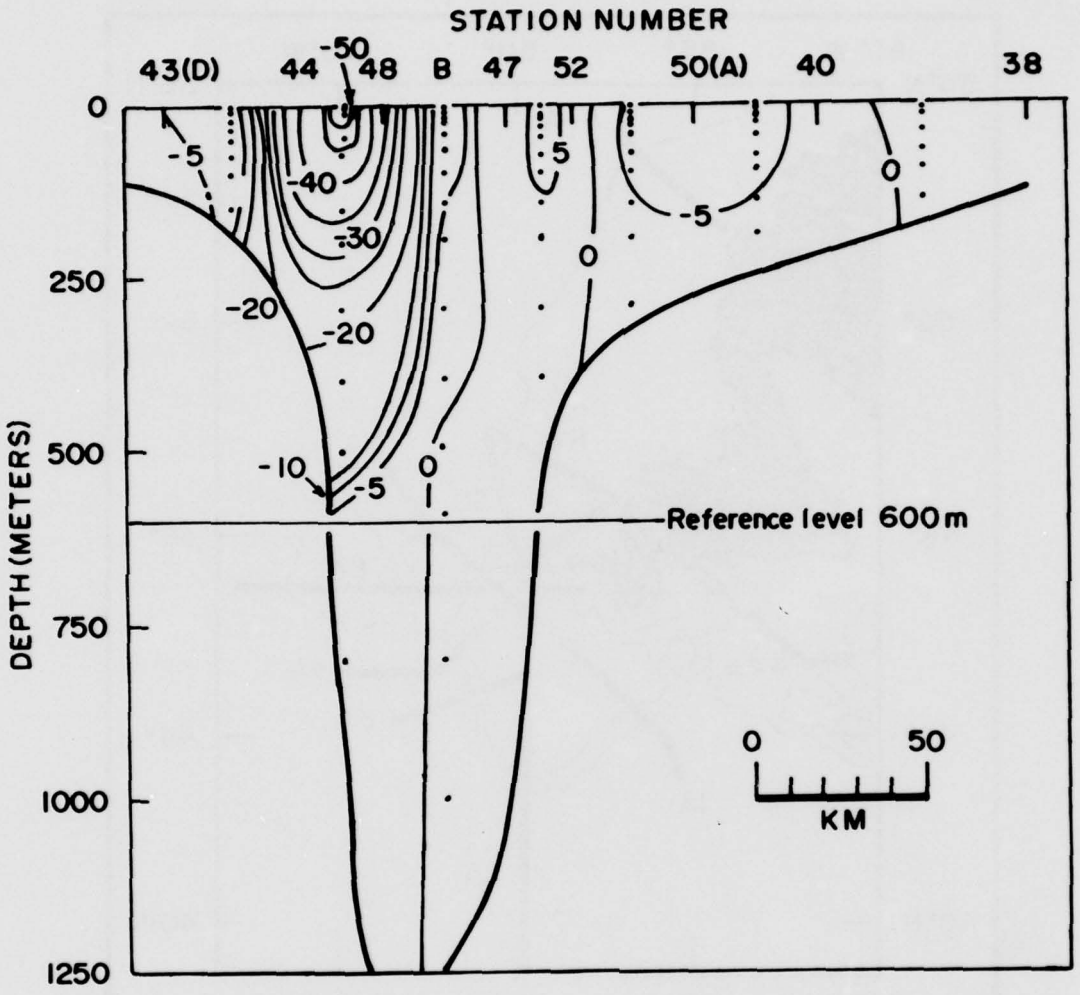


FIGURE 64. Vertical current (cm/sec) profile for the 17–18 April 1972 occupation of the Grand Banks-Flemish Cap Section (after Hill et al.). Positive numbers represent northerly flow.

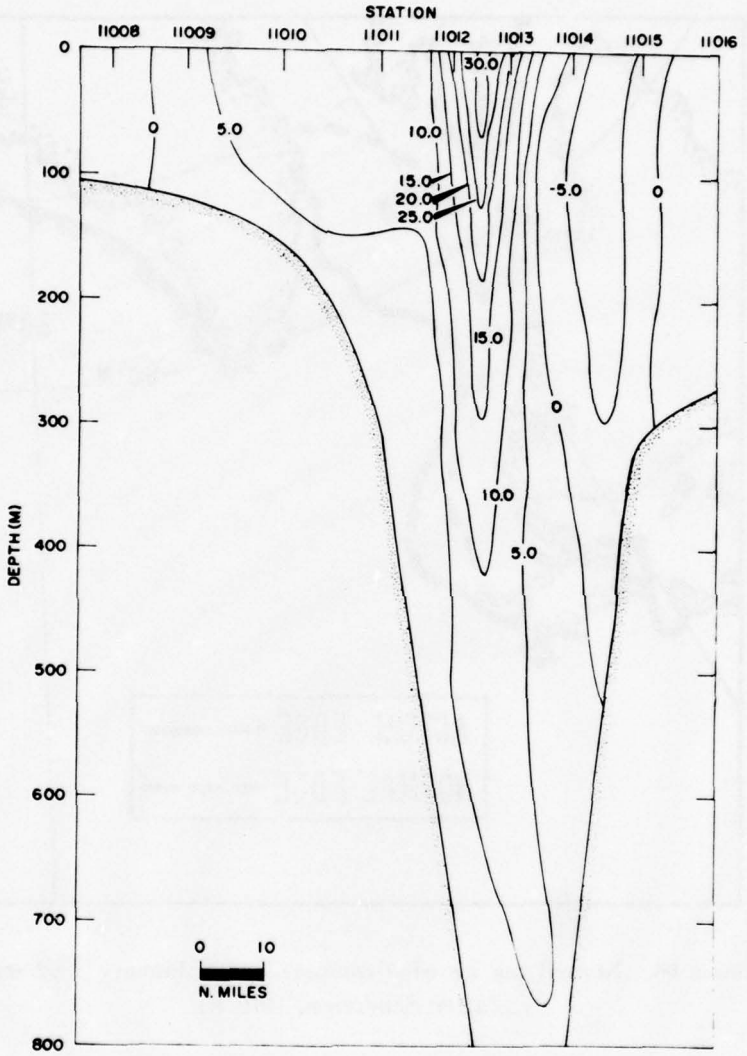


FIGURE 65. Vertical current (cm/sec) profile for the 7–9 April 1972 occupation of section A2. Positive numbers represent southerly flow.

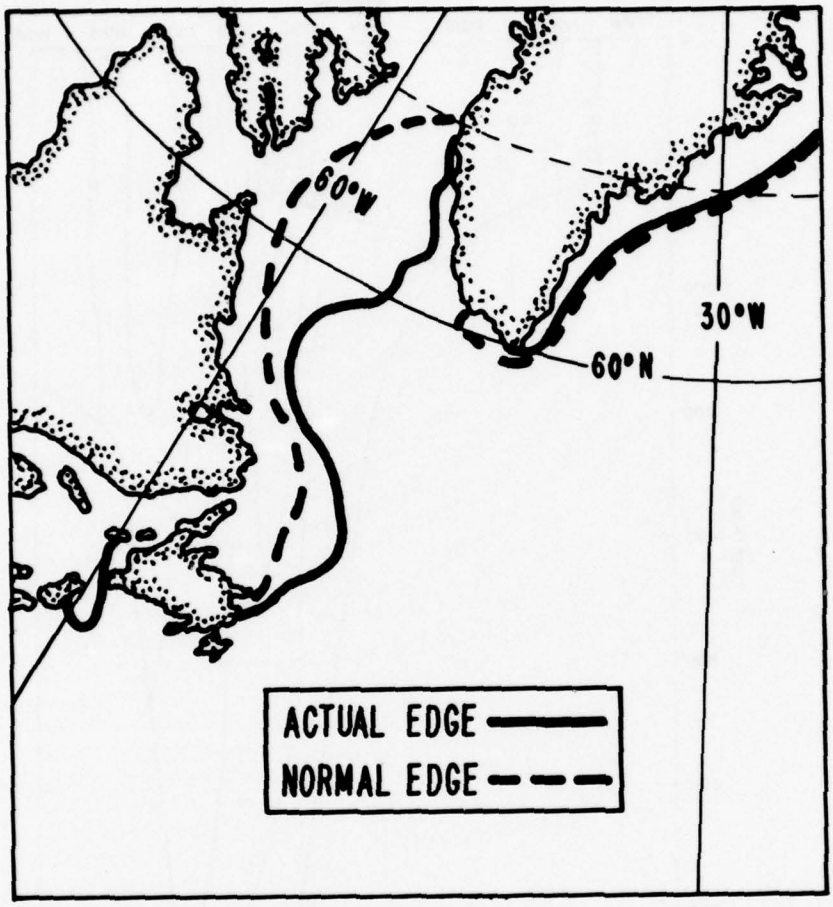


FIGURE 66. Normal sea ice edge compared with January 1972 sea ice edge (after Sanderson, 1972 b).

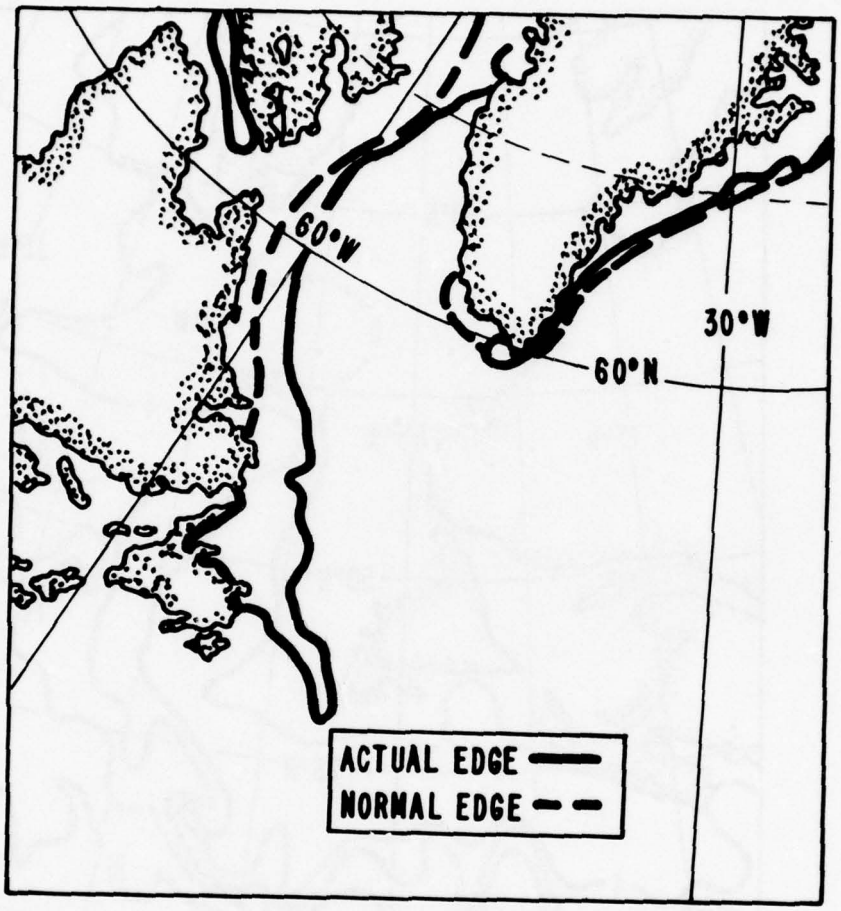


FIGURE 67. Normal sea ice edge compared with May 1972 sea ice edge (after Sanderson, 1972 c).

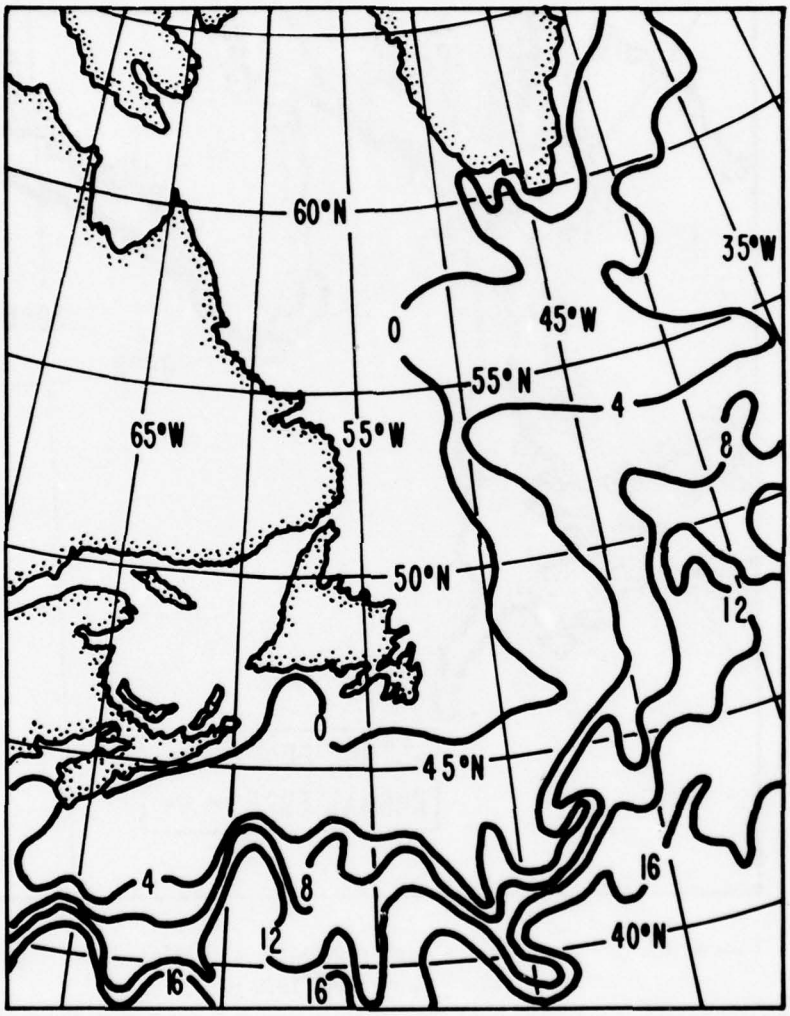


FIGURE 68. Mean sea surface temperatures (°C) for March 1972 (after Royal Meteorological Office, 1972 a).

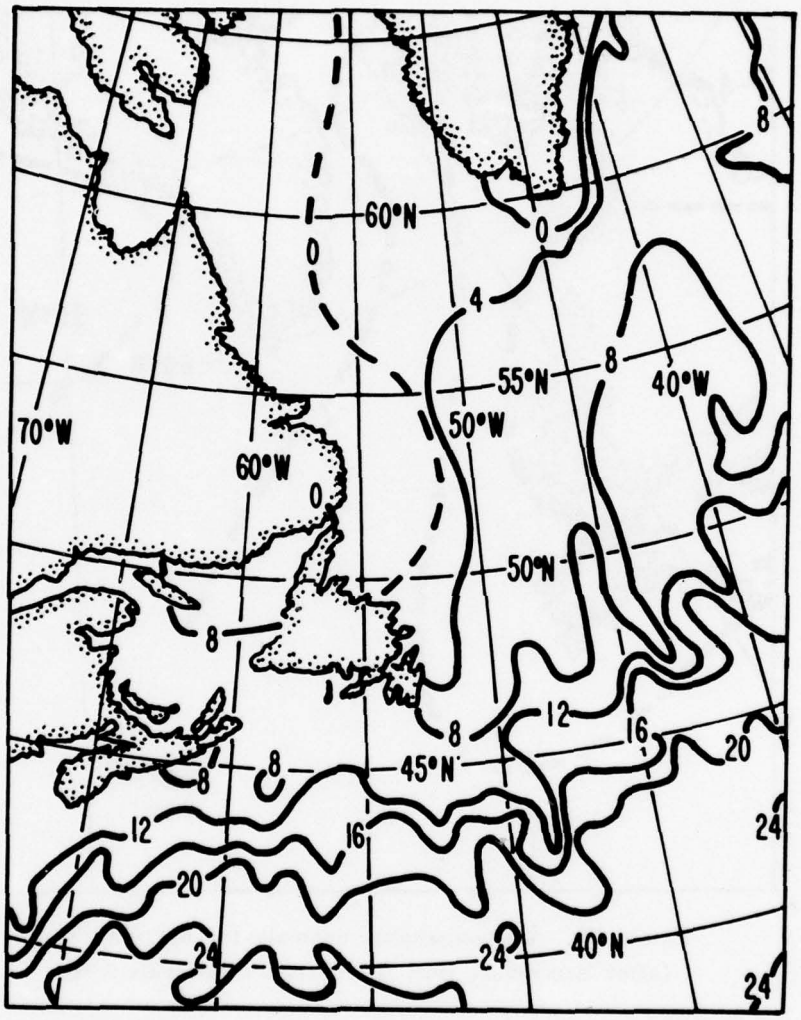


FIGURE 69. Mean sea surface temperature (°C) for June 1972 (after Royal Meteorological Office, 1972 b).

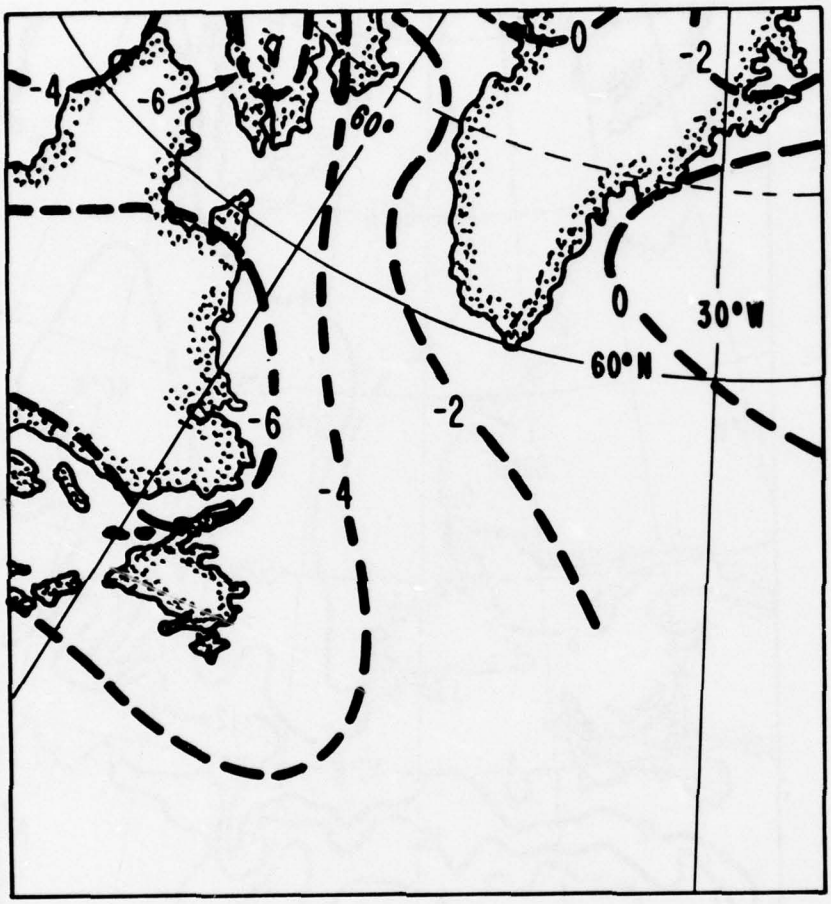


FIGURE 70. Air temperature anomaly for February 1972 (after Sanderson, 1972 B). Contour intervals 2 °C.

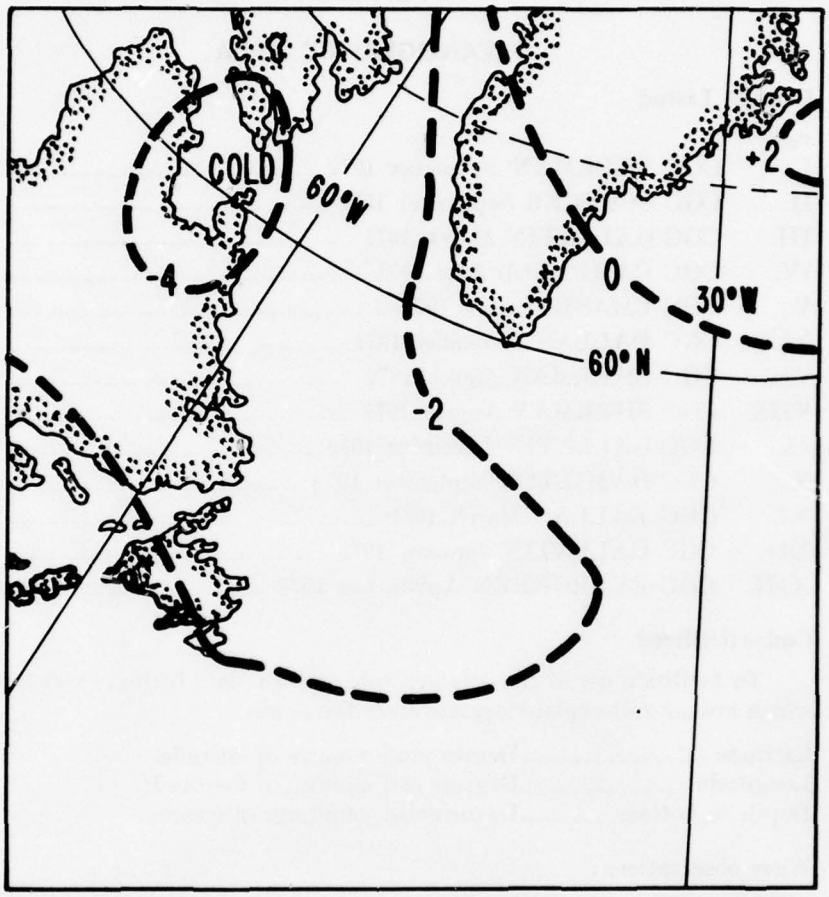


FIGURE 71. Air temperature anomaly for May 1972 (after Sanderson, 1972 c). Contour intervals 2 °C.

APPENDIX A

OCEANOGRAPHIC DATA

Cruises Listed

Table		*Page*
I.	CGC SHERMAN November 1972	80
II.	CGC SPENCER September 1972	85
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IV.	CGC CAMPBELL July 1971	95
V.	CGC CHASE August 1971	101
VI.	CGC DALLAS November 1971	107
VII.	CGC SHERMAN March 1972	114
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XIII.	CGC EVERGREEN April-June 1972	158

Codes Utilized

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

Latitude ---------- Degrees and minutes of latitude.
Longitude ---------- Degrees and minutes of longitude.
Depth to bottom ------- Uncorrected soundings in meters.

Wave observations:

DIR. ---------- Rounded to nearest multiple of 10 degrees.
HGT. ---------- Increments of ½ meter. Sum of 5 meters plus increments of ½ meters if 50 is added to direction.
PER. ---------- If numerals 2 through 9 are entered, period in seconds is either twice the numeric entry or 2X (numeric entry) +1. 0=20 or 21 sec. 1=over 21 seconds. X=calm or not determined.
SEA ---------- Sea state according to WMO Code 3700.

Code	*Height*	*Code*	*Height*
0	0m	5	2.5–4m
1	0–0.1m	6	4–6m
2	0.1–0.5m	7	6–9m
3	0.5–1.25m	8	9–14m
4	1.25–2.5m	9	>14m

Weather Code ----------Weather according to WMO Code 4501.

Code		*Code*	
0	Clear	5	Drizzle
1	Partly cloudy	6	Rain
2	Cont. layers of clouds	7	Snow and rain and snow mixed
3	Blowing snow, sandstorm, etc.	8	Shower(s)
4	Fog, haze, dust	9	Thunder-storm(s)

Cloud Code

Type ----------Cloud type according to WMO Code 0500.

Code	*Type*	*Code*	*Type*
0	Cirrus	5	Nimbostratus
1	Cirrocumulus	6	Stratocumulus
2	Cirrostratus	7	Stratus
3	Altocumulus	8	Cumulus
4	Altostratus	9	Cumulonimbus

X Clouds not visible due to darkness, fog, or other analogous phenomena

Amount ----------Cloud amount in eighths. Entry of the numeral 9 indicates cloud amount could not be estimated.

Wind

Dir. ----------Rounded to nearest multiple of 10 degrees.

Speed ----------Wind speed in knots.

Barometer ----------Barometric pressure given in tens, units, and tenths of millibars.

Vis. Code ----------Visibility according to WMO Code 4300.

Code	*Visibility*	*Code*	*Visibility*
0	Less than 50m	5	2–4km
1	50–200m	6	4–10km
2	200–500m	7	10–20km
3	500–1000m	8	20–50km
4	1–2km	9	50km or more

Dyn. Ht. ----------Dynamic height in dynamic meters with respect to 1000 decibar reference surface.

Messenger time ----------Entered in hours and tenths of an hour. Indicates the starting time for lowering the STD sensor.

Depth ----------Depth to nearest meter.

Temp. ----------Temperature to hundredths of a degree Celsius.

Sal. ----------Salinity to hundredths of a part per thousand.

Sig-t ----------Sigma-t value.

TABLE 1.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 11–13 November 1972, Prepared from NODC Listing No. 31–2136.

REFID 31 2136	YEAR 1972	BOTDP 03017	AIR TEMP 00.6	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1407
CONSEC 0001	MONTH 11	SHIP 1H	WET BULB -01.4	04 2 3	WIND-SPD 13	TRACE DIR	5 SQUARE 3
LAT 55 14.9N	DAY 11	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 052 55.7W	HOUR 18.8	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X7	ORIG A1 009	1 SQUARE 52

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.54	33.48	26.88	00.000	1443.7							
18.8	OBS	00000	00.56	33.482	26.88		1449.7							
	STD	00010	00.54	33.50	26.38	00.012	1450.0							
	STD	00020	00.63	33.51	26.89	00.024	1450.4							
18.8	OBS	00022	00.64	33.511	26.89		1450.5							
	STD	00030	00.92	33.56	26.91	00.035	1452.0							
18.8	OBS	00044	01.27	33.650	26.97		1453.9							
	STD	00050	01.31	33.71	27.01	00.057	1454.3							
18.8	OBS	00066	01.44	33.828	27.10		1455.3							
	STD	00075	01.50	33.85	27.11	00.083	1455.7							
18.8	OBS	00089	01.64	33.909	27.15		1456.6							
	STD	00100	01.81	34.05	27.24	00.105	1457.8							
	STD	00125	02.23	34.30	27.42	00.124	1460.4							
18.8	OBS	00133	02.37	34.373	27.46		1461.2							
	STD	00150	02.75	34.47	27.51	00.140	1463.3							
18.8	OBS	00182	03.34	34.635	27.58		1466.6							
	STD	00200	03.54	34.67	27.59	00.168	1467.8							
	STD	00250	03.98	34.75	27.61	00.194	1470.6							
18.8	OBS	00272	04.11											
	STD	00300	04.16	34.82	27.65	00.219	1472.2							
18.8	OBS	T00368	04.24	34.880	27.69		1473.8							
	STD	00400	04.24	34.89	27.70	00.265	1474.3							
18.8	OBS	00459	04.24	34.910	27.71		1475.3							
	STD	00500	04.19	34.91	27.71	00.310	1475.8							
18.8	OBS	T00551	04.14	34.906	27.72		1476.4							
	STD	00600	04.13	34.91	27.72	00.354	1477.2							
	STD	00700	04.10	34.91	27.73	00.398	1478.7							
18.8	OBS	00736	04.09	34.914	27.73		1479.3							
	STD	00800	04.05	34.92	27.73	00.443	1480.2							
	STD	00900	04.00	34.92	27.74	00.488	1481.6							
18.8	OBS	00927	03.98	34.918	27.74		1482.0							
18.8	OBS	T01410	03.69	34.930	27.78		1488.9							
	STD	01500	03.62	34.93	27.79		1490.1							
	STD	01750	03.41	34.94	27.82		1493.5							
	STD	02000	03.17	34.94	27.84		1496.7							
20.5	OBS	T02103	03.07	34.945	27.86		1498.1							
	STD	02500	02.87	34.94	27.87		1504.0							
20.5	OBS	02650	02.47	34.927	27.90		1504.8							
20.5	OBS	T02710	02.26	34.919	27.91		1505.0							
20.5	OBS	T02809	02.09	34.913	27.92		1505.9							

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REFID 31 2136	YEAR 1972	BOTDP 02469	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 05	INST NANSEN CAST	TEN SQ 1407
CONSEC 0002	MONTH 11	SHIP 1H	WET BULB -01.8	06 3 2	WIND-SPD 13	TRACE DIR	5 SQUARE 3
LAT 55 07 N	DAY 11	DATA USE 1	BAROMETR 1029.3	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 10 W	HOUR 23.3	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X7	ORIG A1 009	1 SQUARE 53

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.06	33.64	26.98	00.000	1452.2							
23.3	OBS	00000	01.06	33.645	26.98		1452.2							
	STD	00010	01.26	33.68	26.99	00.011	1453.3							
	STD	00020	01.41	33.71	27.00	00.022	1454.2							
23.3	OBS	00025	01.48	33.728	27.01		1454.6							
	STD	00030	01.54	33.75	27.02	00.032	1455.0							
23.3	OBS	00046	01.65	33.802	27.06		1455.8							
	STD	00050	01.59	33.81	27.07	00.053	1455.7							
23.3	OBS	00071	01.52	33.875	27.13		1455.8							
	STD	00075	01.57	33.93	27.17	00.076	1456.1							
23.3	OBS	00092	01.82	34.140	27.32		1457.6							
	STD	00100	02.00	34.21	27.36	00.097	1458.8							
	STD	00125	02.53	34.41	27.48	00.114	1461.8							
23.3	OBS	00139	02.81	34.507	27.53		1463.4							
	STD	00150	03.05	34.57	27.56	00.128	1464.7							
23.3	OBS	T00185	03.68	34.731	27.63		1468.2							
	STD	00200	03.81	34.76	27.64	00.154	1469.0							
	STD	00250	04.12	34.83	27.66	00.178	1471.3							
23.3	OBS	00278	04.23	34.862	27.67		1472.2							
	STD	00300	04.23	34.87	27.68	00.201	1472.6							
23.3	OBS	T00369	04.22	34.894	27.70		1473.7							
	STD	00400	04.22	34.90	27.70	00.245	1474.2							
23.3	OBS	00463	04.22	34.905	27.71		1475.3							
	STD	00500	04.21	34.91	27.71	00.290	1475.9							
23.3	OBS	T00556	04.19	34.906	27.71		1476.7							
	STD	00600	04.17	34.91	27.72	00.334	1477.4							
	STD	00700	04.14	34.92	27.73	00.379	1478.9							
23.3	OBS	00746	04.12	34.919	27.73		1479.6							
	STD	00800	04.03	34.91	27.74	00.424	1480.1							
	STD	00900	03.88	34.91	27.75	00.468	1481.1							
23.3	OBS	T00938	03.83	34.905	27.75		1481.6							
23.3	OBS	T01452	03.68	34.935	27.79		1489.6							

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TABLE I.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 11–13 November 1972, Prepared from NODC Listing No. 31–2136.—Continued

REFID 31 2136	YEAR 1972	BOTDP 01765	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 05	INST NANSEN CAST	TEN SQ 1407
CONSEC 0003	MONTH 11	SHIP 1H	WET BULB -01.8	06 3 2	WIND-SPD 13	TRACE DIR	5 SQUARE 1
LAT 54 59 N	DAY 12	DATA USE 1	BAROMETR 1029.4	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 25 W	HOUR 01.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X7	ORIG A1 009	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.52	33.01	26.54	00.000	1444.1							
01.5	OBS	00000	- 0.52	33.009	26.54		1444.1							
	STD	00010	- 0.16	33.21	26.69	00.014	1446.2							
	STD	00020	00.07	33.35	26.80	00.027	1447.6							
01.5	OBS	00026	00.14	33.416	26.84		1448.2							
	STD	00030	00.09	33.43	26.85	00.040	1448.0							
01.5	OBS	00049	- 0.01	33.493	26.91		1448.0							
	STD	00050	- 0.01	33.50	26.92	00.063	1448.0							
	STD	00075	00.17	33.65	27.03	00.091	1449.4							
01.5	OBS	00076	00.18	33.659	27.04		1449.5							
01.5	OBS	00098	00.48	33.819	27.15		1451.5							
	STD	00100	00.55	33.84	27.16	00.115	1451.9							
	STD	00125	01.40	34.07	27.29	00.136	1456.4							
01.5	OBS	00147	02.03	34.247	27.39		1459.8							
	STD	00150	02.10	34.27	27.40	00.155	1460.2							
01.5	OBS	T00197	03.07	34.551	27.54		1465.5							
	STD	00200	03.12	34.56	27.55	00.186	1465.8							
	STD	00250	03.74	34.72	27.61	00.213	1469.5							
01.5	OBS	00295	04.08	34.809	27.65		1471.8							
	STD	00300	04.08	34.81	27.65	00.238	1471.9							
01.5	OBS	T00393	04.06	34.860	27.69		1473.4							
	STD	00400	04.07	34.86	27.69	00.285	1473.6							
01.5	OBS	00492	04.16	34.897	27.71		1475.5							
	STD	00500	04.16	34.90	27.71	00.329	1475.6							
01.5	OBS	00590	04.14	34.912	27.72		1477.1							
	STD	00600	04.12	34.91	27.72	00.374	1477.2							
	STD	00700	03.99	34.90	27.73	00.418	1478.2							
01.5	OBS	T00791	03.89	34.891	27.73		1479.3							
	STD	00800	03.88	34.89	27.73	00.463	1479.5							
	STD	00900	03.81	34.89	27.74	00.507	1480.8							
01.5	OBS	T00992	03.76	34.897	27.75		1482.1							
01.5	OBS	T01508	03.68	34.933	27.79		1490.5							

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REFID 31 2136	YEAR 1972	BOTDP 00960	AIR TEMP 00.2	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1407
CONSEC 0004	MONTH 11	SHIP 1H	WET BULB -01.5	04 3 2	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 54 54 N	DAY 12	DATA USE 1	BAROMETR 1030.5	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 34 W	HOUR 07.2	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A1 009	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.68	32.45	26.04	00.000	1448.9							
07.2	OBS	00000	00.68	32.455	26.04		1448.9							
	STD	00010	- 0.07	32.68	26.26	00.019	1445.4							
	STD	00020	- 0.50	32.86	26.43	00.036	1444.3							
07.2	OBS	00023	- 0.57	32.909	26.47		1444.1							
	STD	00030	- 0.41	32.99	26.53	00.051	1445.1							
07.2	OBS	00045	- 0.17	33.139	26.64		1446.7							
	STD	00050	- 0.11	33.17	26.66	00.080	1447.1							
07.2	OBS	00068	- 0.08	33.264	26.73		1447.6							
	STD	00075	- 0.22	33.28	26.75	00.114	1447.1							
07.2	OBS	00091	- 0.44	33.357	26.82		1446.5							
	STD	00100	- 0.29	33.45	26.89	00.145	1447.5							
	STD	00125	00.15	33.67	27.05	00.172	1450.2							
07.2	OBS	00137		33.765										
	STD	00150	00.62	33.85	27.17	00.196	1453.0							
07.2	OBS	T00188	01.37	34.089	27.31		1457.3							
	STD	00200	01.72	34.18	27.36	00.237	1459.2							
	STD	00250	02.91	34.49	27.51	00.271	1465.7							
07.2	OBS	00282	03.46	34.639	27.58		1468.7							
	STD	00300	03.62	34.69	27.60	00.299	1469.8							
07.2	OBS	T00377	04.09	34.829	27.66		1473.2							
	STD	00400	04.14	34.84	27.67	00.349	1473.8							
07.2	OBS	00479	04.22	34.880	27.69		1475.5							
	STD	00500	04.20	34.88	27.69	00.396	1475.8							
07.2	OBS	T00576	04.14	34.895	27.71		1476.8							
	STD	00600	04.13	34.90	27.71	00.441	1477.2							
	STD	00700	04.10	34.91	27.73	00.486	1478.7							
07.2	OBS	T00772	04.07	34.913	27.73		1479.8							
	STD	00800	04.03	34.91	27.73	00.531	1480.1							
07.2	OBS	T00881	03.86	34.904	27.75		1480.7							

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TABLE 1.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 11–13 November 1972, Prepared from NODC Listing No. 31–2136.—Continued

REFID 31 2136	YEAR 1972	BOTDP 00320	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 05	INST NANSEN CAST	TEN SQ 1407
CONSEC 0005	MONTH 11	SHIP LH	WET BULB -01.5	06 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 1
LAT 54 45 N	DAY 12	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 51 W	HOUR 09.3	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A1 009	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.61	32.54	26.17	00.000	1443.0							
09.3	OBS	00000	- 0.61	32.537	26.17		1443.0							
	STD	00010	- 0.58	32.54	26.17	00.019	1443.4							
	STD	00020	- 0.55	32.55	26.18	00.037	1443.7							
09.3	OBS	00025	- 0.54	32.557	26.18		1443.8							
	STD	00030	- 0.53	32.64	26.25	00.055	1444.0							
	STD	00050	- 0.48	32.88	26.44	00.089	1445.0							
09.3	OBS	00050	- 0.48	32.882	26.44		1445.0							
	STD	00075	- 0.34	32.96	26.50	00.128	1446.1							
09.3	OBS	00075	- 0.34	32.959	26.50		1446.1							
	STD	00100	- 0.20	33.07	26.58	00.166	1447.3							
09.3	OBS	00100	- 0.20	33.069	26.58		1447.3							
	STD	00125	- 0.02	33.17	26.65	00.201	1448.7							
09.3	OBS	00149	00.15											
	STD	00150	00.15	33.29	26.74	00.235	1450.1							
	STD	00200	00.51	33.61	26.98	00.295	1453.0							
09.3	OBS	T00204	00.57	33.640	27.00		1453.4							
	STD	00250	01.48	34.03	27.25	00.343	1458.8							
09.3	OBS	T00299	03.01	34.536	27.54		1466.9							

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REFID 31 2136	YEAR 1972	BOTDP 00238	AIR TEMP 01.4	DIR HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1407
CONSEC 0006	MONTH 11	SHIP LH	WET BULB -00.4	11 3 3	WIND-SPD 08	TRACE DIR	5 SQUARE 1
LAT 54 37 N	DAY 12	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 054 06 W	HOUR 15.8	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A1 009	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.57	32.52	26.16	00.000	1443.2							
15.8	OBS	00000	- 0.57	32.525	26.16		1443.2							
	STD	00010	- 0.58	32.53	26.16	00.019	1443.4							
	STD	00020	- 0.58	32.54	26.17	00.037	1443.5							
15.8	OBS	00025	- 0.58	32.545	26.17		1443.6							
	STD	00030	- 0.58	32.55	26.18	00.056	1443.7							
15.8	OBS	00049	- 0.57	32.572	26.19		1444.1							
	STD	00050	- 0.56	32.58	26.20	00.092	1444.2							
15.8	OBS	00074	- 0.33	32.800	26.37		1445.9							
	STD	00075	- 0.33	32.81	26.37	00.136	1446.0							
15.8	OBS	00099	- 0.35	32.942	26.48		1446.5							
	STD	00100	- 0.37	32.94	26.49	00.176	1446.4							
	STD	00125	- 0.80	33.02	26.57	00.214	1444.9							
15.8	OBS	00149	- 0.99	33.118	26.65		1444.5							
	STD	00150	- 0.98	33.12	26.65	00.249	1444.6							
	STD	00200	- 0.55	33.38	26.85	00.314	1447.8							
15.8	OBS	T00211	- 0.46	33.451	26.90		1448.5							

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REFID 31 2136	YEAR 1972	BOTDP 00205	AIR TEMP 01.6	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1407
CONSEC 0007	MONTH 11	SHIP LH	WET BULB 00.1	08 3 2	WIND-SPD 05	TRACE DIR	5 SQUARE 1
LAT 54 27 N	DAY 12	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 054 25 W	HOUR 17.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A1 009	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.60	32.56	26.18	00.000	1443.1							
17.5	OBS	00000	- 0.60	32.558	26.18		1443.1							
	STD	00010	- 0.58	32.57	26.19	00.018	1443.4							
	STD	00020	- 0.56	32.59	26.21	00.037	1443.7							
17.5	OBS	00025	- 0.55	32.602	26.22		1443.8							
	STD	00030	- 0.55	32.63	26.24	00.055	1444.0							
	STD	00050	- 0.54	32.73	26.32	00.090	1444.5							
17.5	OBS	00050	- 0.54	32.733	26.32		1444.5							
	STD	00075	- 0.41	32.90	26.45	00.131	1445.7							
17.5	OBS	00076	- 0.41	32.904	26.46		1445.7							
	STD	00100	- 0.37	33.00	26.54	00.169	1446.4							
17.5	OBS	00101	33.009											
	STD	00125	- 0.37	33.15	26.65	00.206	1447.1							
	STD	00150	- 0.35	33.28	26.76	00.239	1447.8							
17.5	OBS	00151	- 0.35	33.287	26.76		1447.8							
17.5	OBS	T00181	- 0.55	33.440	26.89		1447.6							

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TABLE I.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 11–13 November 1972, Prepared from NODC Listing No. 31-2136.—Continued

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REFID  31  2136     YEAR 1972    BOTDP 00183    AIR TEMP   00.6    DIR HGT PER     *IND-DIR 07    INST NANSEN CAST      TEN SQ 1407
CONSEC     0008     MONTH  11    SHIP 1M        WET BULB  -01.5     11  2  3      *IND-SPD 03    TRACE DIR             5 SQUARE  1
LAT    54 19  N     DAY    12    DATA USE  1    BAROMETR 1028.7    SEA             *IND-FOR       DURATION              2 SQUARE 44
LONG  054 40  W     HOUR 18.9    AREA      05   CLOUD T/A   6/8    CL/TR           WEATHER  X2    ORIG  AI 009         1 SQUARE 44

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   DXYG    P04   TOT P    NO2    NO3    SIO3    PH

               STD      00000   - 0.40    32.41     26.06     00.000    1443.9
        18.9   OBS      00000   - 0.40    32.414    26.06               1443.9
               STD      00010   - 0.40    32.42     26.07     00.020    1444.0
               STD      00020   - 0.41    32.45     26.09     00.039    1444.2
        18.9   OBS      00025   - 0.41    32.473    26.11               1444.3
               STD      00030   - 0.43    32.52     26.15     00.059    1444.3
               STD      00050   - 0.56    32.68     26.28     00.094    1444.3
        18.9   OBS      00050   - 0.56    32.678    26.28               1444.3
               STD      00075   - 0.81    32.83     26.41     00.136    1443.8
        18.9   OBS      00075   - 0.81    32.828    26.41               1443.8
               STD      00100   - 0.30    33.00     26.53     00.176    1446.8
        18.9   OBS      00100   - 0.30    33.005    26.53               1446.8
               STD      00125   - 0.57    33.13     26.65     00.212    1446.1
               STD      00150   - 0.84    33.22     26.72     00.246    1445.4
        18.9   OBS      00158   - 0.93    33.231    26.74               1445.1
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REFID  31  2136     YEAR 1972    BOTDP 00172    AIR TEMP   01.2    DIR HGT PER     *IND-DIR 07    INST NANSEN CAST      TEN SQ 1407
CONSEC     0009     MONTH  11    SHIP 1M        WET BULB  -00.4     11  3  3      *IND-SPD 05    TRACE DIR             5 SQUARE  1
LAT    54 12  N     DAY    12    DATA USE  1    BAROMETR 1029.0    SEA             *IND-FOR       DURATION              2 SQUARE 44
LONG  054 53  W     HOUR 20.3    AREA      05   CLOUD T/A   6/8    CL/TR           WEATHER  X2    ORIG  AI 009         1 SQUARE 44

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   DXYG    P04   TOT P    NO2    NO3    SIO3    PH

               STD      00000     00.02    32.53     26.14     00.000    1446.0
        20.3   OBS      00000     00.02    32.534    26.14               1446.0
               STD      00010     00.13    32.55     26.15     00.019    1446.7
               STD      00020     00.21    32.56     26.15     00.038    1447.2
        20.3   OBS      00025     00.23    32.567    26.16               1447.4
               STD      00030     00.22    32.57     26.16     00.056    1447.4
               STD      00050     00.19    32.57     26.16     00.093    1447.6
        20.3   OBS      00050     00.19    32.575    26.16               1447.6
               STD      00075   - 0.97     32.91     26.48     00.136    1443.1
        20.3   OBS      00075   - 0.97     32.910    26.48               1443.1
               STD      00100   - 1.10     33.02     26.58     00.174    1443.1
        20.3   OBS      00100   - 1.10     33.025    26.58               1443.1
               STD      00125   - 1.19     33.13     26.67     00.209    1443.2
        20.3   OBS      00147   - 1.24     33.215    26.74               1443.5
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REFID  31  2136     YEAR 1972    BOTDP 00157    AIR TEMP   00.4    DIR HGT PER     *IND-DIR 07    INST NANSEN CAST      TEN SQ 1407
CONSEC     0010     MONTH  11    SHIP 1M        WET BULB  -01.6     11  3  3      *IND-SPD 07    TRACE DIR             5 SQUARE  2
LAT    54 03  N     DAY    12    DATA USE  1    BAROMETR 1028.5    SEA             *IND-FOR       DURATION              2 SQUARE 44
LONG  055 10  W     HOUR 21.8    AREA      05   CLOUD T/A   6/8    CL/TR           WEATHER  X2    ORIG  AI 009         1 SQUARE 45

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH   SND VEL   DXYG    P04   TOT P    NO2    NO3    SIO3    PH

               STD      00000   - 0.33    32.41     26.06     00.000    1444.2
        21.8   OBS      00000   - 0.33    32.413    26.06               1444.2
               STD      00010   - 0.32    32.41     26.06     00.020    1444.4
               STD      00020   - 0.30    32.42     26.06     00.039    1444.7
        21.8   OBS      00025   - 0.28    32.431    26.07               1444.8
               STD      00030   - 0.24    32.43     26.07     00.059    1445.2
               STD      00050   - 0.15    32.51     26.12     00.097    1446.0
        21.8   OBS      00050   - 0.15    32.506    26.12               1446.0
               STD      00075   - 0.37    32.76     26.34     00.142    1445.7
        21.8   OBS      00075   - 0.37    32.765    26.34               1445.7
               STD      00100   - 0.71    32.94     26.50     00.182    1444.8
        21.8   OBS      00100             32.941
               STD      00125   - 1.16    33.07     26.62     00.219    1441.3
        21.8   OBS      00132   - 1.31    33.099    26.64               1442.7
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TABLE I.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 11–13 November 1972, Prepared from NODC Listing No. 31–2136.—Continued

REFID 31 2136	YEAR 1972	BOTDP 00168	AIR TEMP 00.2	DIR PGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1407
CONSEC 0011	MONTH 11	SHIP IM	WET BULB -01.4	11 3 3	WIND-SPD 07	TRACE DIR	5 SQUARE 2
LAT 53 57.5N	DAY 12	DATA USE 1	BAROMETR 1028.3	SEA	WIND-EQR	DURATION	2 SQUARE 24
LONG 055 31.0W	HOUR 23.7	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG AI 009	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.45	32.02	25.74	00.000	1443.1							
23.7	OBS	00000	- 0.45	32.020	25.74		1443.1							
	STD	00010	- 0.48	32.26	25.94	00.022	1443.4							
	STD	00020	- 0.51	32.43	26.08	00.042	1443.7							
23.7	OBS	00025	- 0.53	32.493	26.13		1443.8							
	STD	00030	- 0.56	32.49	26.13	00.061	1443.7							
	STD	00050	- 0.60	32.52	26.15	00.098	1443.7							
23.7	OBS	00050	- 0.60	32.516	26.15		1443.7							
	STD	00075	- 0.52	32.58	26.20	00.145	1444.8							
23.7	OBS	00075	- 0.52	32.581	26.20		1444.8							
	STD	00100	- 0.59	32.80	26.38	00.188	1445.2							
23.7	OBS	00100	- 0.59	32.803	26.38		1445.2							
	STD	00125	- 0.57	33.09	26.61	00.226	1446.1							
23.7	OBS	00143	- 0.49	33.339	26.81		1447.1							

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REFID 31 2136	YEAR 1972	BOTDP 00165	AIR TEMP 03.3	DIR PGT PER	WIND-DIR 07	INST NANSEN CAST	TEN SQ 1407
CONSEC 0012	MONTH 11	SHIP IM	WET BULB -01.4	11 3 2	WIND-SPD 06	TRACE DIR	5 SQUARE 2
LAT 53 47 N	DAY 13	DATA USE 1	BAROMETR 1028.1	SEA	WIND-EQR	DURATION	2 SQUARE 24
LONG 055 40 W	HOUR 01.1	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG AI 009	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.06	31.38	25.21	00.000	1444.5							
01.1	OBS	00000	00.06	31.378	25.21		1444.5							
	STD	00010	00.05	31.76	25.51	00.020	1445.2							
	STD	00020	00.04	32.04	25.74	00.040	1445.7							
01.1	OBS	00025	00.04	32.149	25.83		1445.9							
	STD	00043	- 0.37	32.19	25.87	00.072	1445.6							
	STD	00050	- 0.33	32.31	25.98	00.114	1446.4							
01.1	OBS	00050	- 0.33	32.314	25.98		1446.9							
	STD	00075	- 0.27	32.34	26.00	00.164	1445.6							
01.1	OBS	00075	- 0.27	32.344	26.00		1445.6							
	STD	00100	- 0.33	32.38	26.03	00.214	1445.8							
01.1	OBS	00100	- 0.33	32.376	26.03		1445.8							
	STD	00125	- 0.34	32.43	26.07	00.263	1446.2							
01.1	OBS	00140	- 0.34	32.480	26.11		1446.5							

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TABLE II.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SPENCER, 21–22 September 1972, Prepared from NODC Listing No. 31–2135.

REPID 31 2135	YEAR 1972	BOTOP 00156	AIR TEMP 06.1	DIR POT PER	#IND-DIR 34	INST NANSEN CAST	TEN SQ 1407
CONSEC 0001	MONTH 09	SHIP SC	#ET BULB 03.9	34 2 2	#IND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 53 47 N	DAY 21	DATA USE 1	BAROMETR 1018.7	SEA	#IND-FOR	DURATION	2 SQUARE 24
LONG 055 40 W	HOUR 18.0	AREA 05	CLOUD T/A 0/6	CL/TR	WEATHER X1	ORIG AI 008	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00021	03.23	31.508	25.11		1459.1							
	STD	00030	03.11	31.52	25.12		1458.8							
18.0	OBS	00043	02.97	31.531	25.15		1458.5							
	STD	00050	01.07	31.81	25.47		1453.2							
18.0	OBS	00070	- 0.77	32.401	26.06		1443.3							
	STD	00075	- 0.88	32.47	26.12		1442.9							
18.0	OBS	00093	- 1.22	32.670	26.29		1441.9							
	STD	00100	- 1.32	32.73	26.35		1441.6							
	STD	00125	- 1.57	32.86	26.46		1441.1							
18.0	OBS	00125	- 1.57	32.858	26.46		1441.1							

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REPID 31 2135	YEAR 1972	BOTOP 00174	AIR TEMP 03.5	DIR POT PER	#IND-DIR 33	INST NANSEN CAST	TEN SQ 1407
CONSEC 0002	MONTH 09	SHIP SC	#ET BULB 02.2	33 2 2	#IND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 53 55 N	DAY 21	DATA USE 1	BAROMETR 1018.3	SEA	#IND-FOR	DURATION	2 SQUARE 24
LONG 055 29 W	HOUR 19.7	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG AI 008	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.84	31.66	25.17	00.000	1461.7							
19.7	OBS	00000	03.84	31.663	25.17		1461.7							
	STD	00010	03.67	31.66	25.19	00.026	1461.1							
	STD	00020	03.30	31.72	25.25	00.056	1460.7							
19.7	OBS	00026	03.40	31.785	25.31		1460.4							
	STD	00030	02.20	31.84	25.46	00.082	1455.3							
19.7	OBS	00048	- 1.47	32.189	25.91		1439.3							
	STD	00050	- 1.48	32.27	25.98	00.127	1439.4							
	STD	00075	- 1.58	32.97	26.54	00.172	1440.3							
19.7	OBS	00076	- 1.58	32.980	26.56		1440.4							
19.7	OBS	00098	- 1.58	33.055	26.62		1440.3							
	STD	00100	- 1.58	33.06	26.62	00.208	1440.9							
	STD	00125	- 1.54	33.17	26.71	00.242	1441.6							
19.7	OBS	00148	- 1.48	33.296	26.81		1442.5							

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REPID 31 2135	YEAR 1972	BOTOP 00156	AIR TEMP 03.5	DIR POT PER	#IND-DIR 34	INST NANSEN CAST	TEN SQ 1407
CONSEC 0003	MONTH 09	SHIP SC	#ET BULB 01.7	X X	#IND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 54 02 N	DAY 21	DATA USE 1	BAROMETR 1018.7	SEA	#IND-FOR	DURATION	2 SQUARE 44
LONG 055 10 W	HOUR 21.4	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	ORIG AI 008	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.09	31.61	25.11	00.000	1462.5							
21.4	OBS	00000	04.09	31.611	25.11		1462.5							
21.4	OBS	00009	04.03	31.610	25.11		1462.6							
	STD	00010	03.93	31.63	25.14	00.026	1462.2							
	STD	00020	02.92	31.81	25.35	00.056	1458.3							
	STD	00030	01.89	32.05	25.64	00.080	1454.2							
21.4	OBS	00032	01.67	32.095	25.69		1453.3							
	STD	00050	- 0.71	32.66	26.27	00.122	1443.6							
21.4	OBS	00060	- 1.44	32.850	26.45		1440.6							
	STD	00075	- 1.50	32.91	26.50	00.163	1440.6							
21.4	OBS	00083	- 1.52	32.944	26.52		1440.7							
	STD	00100	- 1.51	33.03	26.59	00.200	1441.2							
	STD	00125	- 1.49	33.18	26.71	00.235	1441.9							
21.4	OBS	00134	- 1.48	33.239	26.76		1442.2							

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TABLE II.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SPENCER, 21–22 September 1972, Prepared from NODC Listing No. 31–2135.—Continued

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REFID  31  2135      YEAR 1972    BOTDP 00170    AIR TEMP   03.3    DIR FGT PER     #IND-DIR 32    INST NANSEN CAST      TEN SQ 1407
CONSEC     0004      MONTH  09    SHIP SC        #ET BULB   01.7     32  2   2      #IND-SPD 14    TRACE DIR             5 SQUARE  1
LAT    54 21  N      DAY    21    DATA USE  1    BAROMETR 1016.0    SEA             #IND-FOR       DURATION              2 SQUARE 44
LONG  054 57  W      HOUR 23.0    AREA      05   CLOUD T/A   3/5    CL/TR           #EATHER  X1    ORIG  AI 008         1 SQUARE 44

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2    NO3    SIO3    PH

               STD      00000     03.67    31.69     25.21     00.000    1461.0
         23.0  OBS      00000     03.67    31.694    25.21               1461.0
               STD      00010     03.66    31.69     25.22     00.026    1461.1
               STD      00020     03.65    31.69     25.22     00.055    1461.3
         23.0  OBS      00023     03.65    31.695    25.22               1461.3
               STD      00030     01.97    32.16     25.75     00.080    1453.0
         23.0  OBS      00045   - 1.41     32.844    26.44               1440.5
               STD      00050   - 1.40     32.86     26.46     00.119    1440.4
         23.0  OBS      00073   - 1.56     32.966    26.54               1440.4
               STD      00075   - 1.56     32.96     26.55     00.157    1440.5
         23.0  OBS      00095   - 1.47     33.080    26.63               1441.3
               STD      00100   - 1.43     33.11     26.65     00.193    1441.6
               STD      00125   - 1.16     33.24     26.76     00.226    1443.5
         23.0  OBS      00149   - 0.83     33.357    26.84               1445.6

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REFID  31  2135      YEAR 1972    BOTDP 00183    AIR TEMP   03.3    DIR FGT PER     #IND-DIR 32    INST NANSEN CAST      TEN SQ 1407
CONSEC     0005      MONTH  09    SHIP SC        #ET BULB   02.2     32  2   2      #IND-SPD 17    TRACE DIR             5 SQUARE  1
LAT    54 20  N      DAY    22    DATA USE  1    BAROMETR 1016.0    SEA             #IND-FOR       DURATION              2 SQUARE 44
LONG  054 20  W      HOUR 00.8    AREA      05   CLOUD T/A   3/6    CL/TR           #EATHER  X1    ORIG  AI 008         1 SQUARE 44

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2    NO3    SIO3    PH

               STD      00000     02.98    31.70     25.28     00.000    1458.0
          0.8  OBS      00000     02.98    31.702    25.28               1458.0
               STD      00010     02.01    31.95     25.55     00.026    1456.3
               STD      00020     01.10    32.16     25.75     00.049    1450.7
               STD      00030     00.24    32.38     26.01     00.070    1447.3
          0.8  OBS      00032     00.08    32.420    26.04               1446.6
               STD      00050   - 1.35     32.73     26.35     00.107    1440.7
          0.8  OBS      00052   - 1.44     32.759    26.37               1440.3
               STD      00075   - 1.49     32.90     26.49     00.147    1440.7
          0.8  OBS      00077   - 1.49     32.908    26.49               1440.7
          0.8  OBS      00097   - 1.46     33.012    26.58               1441.3
               STD      00100   - 1.44     33.03     26.59     00.185    1441.5
               STD      00125   - 1.16     33.17     26.70     00.220    1443.4
          0.8  OBS      00142   - 0.83     33.283    26.78               1445.4

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REFID  31  2135      YEAR 1972    BOTDP 00201    AIR TEMP   02.8    DIR FGT PER     #IND-DIR 31    INST NANSEN CAST      TEN SQ 1407
CONSEC     0006      MONTH  09    SHIP SC        #ET BULB   02.2     31  X   X      #IND-SPD 14    TRACE DIR             5 SQUARE  1
LAT    54 25  N      DAY    22    DATA USE  1    BAROMETR 1014.0    SEA             #IND-FOR       DURATION              2 SQUARE 44
LONG  054 22  W      HOUR 02.7    AREA      05   CLOUD T/A   3/3    CL/TR           #EATHER  X1    ORIG  AI 008         1 SQUARE 44

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P   NO2    NO3    SIO3    PH

               STD      00000     02.43    31.87     25.46     00.000    1455.9
          2.7  OBS      00000     02.43    31.866    25.46               1455.9
          2.7  OBS      00005     02.41    31.875    25.46               1455.9
               STD      00010     02.33    31.93     25.51     00.025    1455.7
               STD      00020     01.97    32.04     25.63     00.049    1454.4
          2.7  OBS      00027     01.55    32.115    25.72               1452.8
               STD      00030     01.08    32.14     25.77     00.072    1450.7
               STD      00050   - 1.11     32.39     26.06     00.114    1441.3
          2.7  OBS      00054   - 1.35     32.454    26.12               1440.4
               STD      00075   - 1.44     32.91     26.50     00.158    1440.9
          2.9  OBS      00076   - 1.44     32.927    26.51               1441.0
               STD      00100   - 1.10     33.03     26.59     00.195    1443.1
               STD      00125   - 0.83     33.17     26.68     00.231    1445.0
          2.9  OBS      00126   - 0.82     33.171    26.69               1445.0
               STD      00150   - 0.64     33.32     26.80     00.263    1446.5
          2.9  OBS      T00175  - 0.53     33.488    26.93               1447.6

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TABLE II.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SPENCER, 21–22 September 1972, Prepared from NODC Listing No. 31–2135.—Continued

REFID 31 2135	YEAR 1972	BOTDP 00238	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1407
CONSEC 0007	MONTH 09	SHIP SC	WET BULB 05.0	33 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 54 31 N	DAY 22	DATA USE 1	BAROMETR 1012.3	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 054 05 W	HOUR 05.2	AREA 05	CLOUD T/A 3/3	CL/TR	WEATHER X1	ORIG A1 008	1 SQUARE 44

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.80	32.55	26.11	00.000	1449.9							
05.2	OBS	00000	00.80	32.554	26.11		1449.9							
	STD	00010	00.66	32.56	26.16	00.014	1446.3							
	STD	00020	- 0.60	32.56	26.19	00.037	1443.5							
	STD	00030	- 1.08	32.56	26.21	00.056	1441.4							
05.2	OBS	00040	- 1.40	32.566	26.22		1440.0							
	STD	00050	- 1.46	32.68	26.31	00.091	1440.1							
05.2	OBS	00062	- 1.50	32.784	26.35		1440.2							
	STD	00075	- 1.49	32.86	26.46	00.132	1440.6							
05.2	OBS	00088	- 1.49	32.939	26.52		1440.9							
	STD	00100	- 1.42	33.00	26.57	00.170	1441.5							
05.2	OBS	00111	- 1.37	33.054	26.61		1442.0							
	STD	00125	- 1.33	33.13	26.67	00.206	1442.6							
	STD	00150	- 1.25	33.27	26.78	00.239	1443.6							
05.2	OBS	00159	- 1.22	33.322	26.82		1443.9							
	STD	00200	- 0.59	33.59	27.01	00.297	1447.9							
05.2	OBS	T00208	- 0.41	33.643	27.05		1449.0							

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REFID 31 2135	YEAR 1972	BOTDP 00293	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1407
CONSEC 0008	MONTH 09	SHIP SC	WET BULB 04.4	33 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 54 40 N	DAY 22	DATA USE 1	BAROMETR 1011.3	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 54 W	HOUR 07.0	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG A1 008	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.88	32.83	26.34	00.000	1450.3							
07.0	OBS	00000	00.88	32.834	26.34		1450.3							
	STD	00010	01.23	32.84	26.32	00.017	1452.0							
	STD	00020	01.57	32.87	26.32	00.034	1453.8							
	STD	00030	01.92	32.92	26.34	00.051	1455.5							
07.0	OBS	00037	02.16	32.976	26.36		1456.8							
	STD	00050	01.49	33.15	26.55	00.083	1454.3							
07.0	OBS	00061	00.85	33.251	26.67		1451.7							
	STD	00075	- 0.37	33.28	26.76	00.118	1446.4							
07.0	OBS	00089	- 1.04	33.334	26.83		1443.6							
	STD	00100	- 1.02	33.41	26.88	00.149	1444.0							
07.0	OBS	00112	- 0.96	33.481	26.94		1444.6							
	STD	00125	- 0.83	33.53	26.98	00.177	1445.5							
	STD	00150	- 0.50	33.65	27.06	00.203	1447.6							
07.0	OBS	00164	- 0.27	33.722	27.11		1449.0							
	STD	00200	00.37	33.91	27.23	00.249	1452.8							
07.0	OBS	T00215	00.81	34.026	27.30		1455.2							
	STD	00250	02.25	34.37	27.47	00.286	1462.6							
07.0	OBS	T00267	03.16	34.576	27.55		1467.1							

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REFID 31 2135	YEAR 1972	BOTDP 00340	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1407
CONSEC 0009	MONTH 09	SHIP SC	WET BULB 03.3	33 3 2	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 54 56 N	DAY 22	DATA USE 1	BAROMETR 1008.7	SEA	WIND-FOR	DURATION	2 SQUARE 42
LONG 053 41 W	HOUR 10.1	AREA 05	CLOUD T/A 4/6	CL/TR	WEATHER X1	ORIG A1 008	1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.19	33.26	26.50	00.000	1461.1							
10.1	OBS	00000	03.19	33.261	26.50		1461.1							
	STD	00010	03.19	33.27	26.51	00.015	1461.2							
	STD	00020	03.19	33.28	26.52	00.031	1461.4							
10.1	OBS	00025	03.19	33.283	26.52		1461.5							
	STD	00030	03.06	33.36	26.60	00.046	1461.2							
	STD	00050	02.66	33.62	26.84	00.072	1460.1							
10.1	OBS	00051	02.64	33.631	26.85		1460.0							
	STD	00075	00.51	33.78	27.12	00.100	1451.2							
10.1	OBS	00077	00.43	33.792	27.13		1450.8							
	STD	00100	00.58	33.92	27.23	00.122	1452.1							
10.1	OBS	00102	00.60	33.937	27.24		1452.2							
	STD	00125	01.09	34.08	27.33	00.142	1455.0							
	STD	00150	01.69	34.25	27.41	00.160	1458.3							
10.1	OBS	00152	01.74	34.258	27.42		1458.6							
	STD	00200	03.20	34.58	27.55	00.191	1466.2							
10.1	OBS	T00209	03.41	34.627	27.57		1467.3							
	STD	00250	04.06	34.77	27.62	00.216	1470.9							
10.1	OBS	00260	04.16	34.791	27.62		1471.5							
	STD	00300	04.29	34.84	27.65	00.243	1472.8							
10.1	OBS	T00311	04.31	34.850	27.66		1473.1							
	STD	00400	04.31	34.89	27.68	00.290	1474.0							
10.1	OBS	00412	04.31	34.890	27.69		1474.3							
	STD	00500	04.28	34.90	27.70	00.336	1476.1							
	STD	00600	04.21	34.91	27.71	00.381	1477.5							
10.1	OBS	T00621	04.19	34.909	27.72		1477.8							
	STD	00700	04.11	34.91	27.73	00.426	1478.8							
	STD	00800	03.58	34.92	27.75	00.476	1479.4							
10.1	OBS	00827	03.94	34.921	27.75		1480.2							

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TABLE II.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SPENCER, 21–22 September 1972, *Prepared from NODC Listing No. 31–2135.*—Continued

REFID 31 2135 YEAR 1972 BOTDP 01647 AIR TEMP 03.3 DIR HOT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1407
CONSEC 0010 MONTH 09 SHIP SC WET BULB 01.6 12 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 1
LAT 54 58 N DAY 22 DATA USE 1 BAROMETR 1008.0 SEA WIND-FLR DURATION 2 SQUARE 42
LONG 053 22 W HOUR 13.0 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG AI 008 1 SQUARE 43

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.23	33.41	26.52	00.000	1465.7							
13.0	OBS	00000	04.23	33.410	26.52		1465.7							
	STD	00010	04.24	33.41	26.52	00.015	1465.9							
13.0	OBS	00016	04.24	33.410	26.52		1466.0							
	STD	00020	04.24	33.41	26.52	00.030	1466.1							
	STD	00030	04.24	33.41	26.52	00.046	1466.2							
13.0	OBS	00037	04.24	33.407	26.52		1466.3							
	STD	00050	02.28	33.65	26.85	00.073	1458.3							
13.0	OBS	00060	01.42	33.826	27.10		1455.1							
	STD	00075	01.39	34.07	27.30	00.097	1455.3							
13.0	OBS	00080	01.38	34.145	27.45		1455.7							
	STD	00100	02.06	34.32	27.45	00.115	1459.3							
13.0	OBS	00123	02.82	34.500	27.52		1463.2							
	STD	00125	02.90	34.51	27.53	00.130	1463.6							
	STD	00150	03.67	34.67	27.58	00.144	1467.5							
13.0	OBS	T00166	04.00	34.737	27.60		1469.2							
	STD	00200	04.14	34.80	27.63	00.170	1470.7							
13.0	OBS	00210	04.22	34.813	27.64		1471.0							
	STD	00250	04.26	34.85	27.66	00.194	1471.9							
13.0	OBS	T00254	04.26	34.854	27.66		1471.9							
	STD	00300	04.30	34.88	27.68	00.217	1472.9							
13.0	OBS	00342	04.31	34.898	27.69		1473.7							
	STD	00400	04.25	34.90	27.70	00.262	1474.4							
	STD	00500	04.16	34.90	27.71	00.306	1475.7							
13.0	OBS	T00518	04.15	34.898	27.71		1475.9							
	STD	00600	04.10	34.90	27.72	00.351	1477.1							
	STD	00700	04.03	34.90	27.72	00.396	1478.4							
13.0	OBS	T00701	04.03	34.898	27.72		1478.4							
	STD	00800	03.93	34.90	27.74	00.441	1479.7							
13.0	OBS	T00881	03.86	34.903	27.75		1480.7							
13.0	OBS	T01348	03.74	34.929	27.78		1488.1							

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REFID 31 2135 YEAR 1972 BOTDP 02400 AIR TEMP 03.6 DIR HOT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1407
CONSEC 0011 MONTH 09 SHIP SC WET BULB 01.7 34 3 2 WIND-SPD 10 TRACE DIR 5 SQUARE 3
LAT 55 06 N DAY 22 DATA USE 1 BAROMETR 1004.6 SEA WIND-FLR DURATION 2 SQUARE 42
LONG 053 10 W HOUR 16.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG AI 008 1 SQUARE 53

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.93	33.61	26.60	00.000	1468.9							
16.1	OBS	00000	04.93	33.667	26.60		1468.9							
	STD	00010	04.92	33.64	26.63	00.014	1469.1							
	STD	00020	04.92	33.67	26.66	00.028	1469.2							
	STD	00030	04.91	33.69	26.67	00.042	1469.4							
16.1	OBS	00030	04.91	33.694	26.67		1469.4							
	STD	00050	04.71	33.71	26.71	00.070	1468.3							
16.1	OBS	00055	04.47	33.712	26.74		1468.0							
	STD	00075	01.75	34.36	27.26	00.097	1457.1							
16.1	OBS	00085	01.39	34.226	27.42		1455.9							
	STD	00100	02.72	34.50	27.53	00.114	1462.4							
16.1	OBS	00110	03.40	34.640	27.59		1465.6							
	STD	00125	03.64	34.70	27.60	00.128	1467.0							
	STD	00150	03.96	34.77	27.63	00.140	1468.8							
16.1	OBS	00165	04.10	34.803	27.64		1469.7							
	STD	00200	04.30	34.85	27.66	00.164	1471.2							
16.1	OBS	T00220	04.33	34.855	27.66		1471.7							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.

REFID 31 8263	YEAR 1971	BOTDP 00145	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0001	MONTH 03	SHIP 3L	WET BULB 01.8	21 2 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 00 W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 78

CASTNUM/TIM	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.05	32.97	26.53	00.000	1441.6							
05.8	OBS	00000	- 1.05	32.97	26.53		1441.6							
	STD	00010	- 1.06	32.97	26.53	00.015	1441.7							
	OBS	00010	- 1.06	32.97	26.53		1441.7							
	STD	00020	- 1.07	32.98	26.54	00.030	1441.9							
	OBS	00020	- 1.07	32.98	26.54		1441.9							
	STD	00030	- 1.08	32.97	26.53	00.045	1442.0							
	OBS	00030	- 1.08	32.97	26.53		1442.0							
	STD	00050	- 1.10	32.99	26.55	00.075	1442.2							
	OBS	00050	- 1.10	32.99	26.55		1442.2							
	STD	00075	- 0.62	33.17	26.68	00.110	1445.1							
	OBS	00075	- 0.62	33.17	26.68		1445.1							
	OBS	00079	- 0.74	33.23	26.73		1444.7							
	STD	00100	- 0.28	33.44	26.88	00.142	1447.5							
	OBS	00100	- 0.28	33.44	26.88		1447.5							
	OBS	00110	- 0.05	33.49	26.91		1446.8							
	OBS	00122	00.15	33.60	26.99		1450.0							

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REFID 31 8263	YEAR 1971	BOTDP 00179	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 03	SHIP 3L	WET BULB 01.8	21 4 3	WIND-SPD 25	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 66
LONG 047 44 W	HOUR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.95	32.49	26.55	00.000	1442.1							
07.5	OBS	00000	- 0.95	32.49	26.55		1442.1							
	STD	00010	- 0.95	33.00	26.55	00.014	1442.3							
	OBS	00010	- 0.95	33.00	26.55		1442.3							
	STD	00020	- 0.95	33.00	26.55	00.029	1442.4							
	OBS	00020	- 0.95	33.00	26.55		1442.4							
	STD	00030	- 0.94	33.00	26.55	00.044	1442.7							
	OBS	00030	- 0.94	33.00	26.55		1442.7							
	STD	00050	- 1.02	33.01	26.56	00.074	1442.6							
	OBS	00050	- 1.02	33.01	26.56		1442.6							
	OBS	00055	- 0.84	33.07	26.61		1443.0							
	OBS	00060	- 0.97	33.15	26.68		1443.2							
	OBS	00065	- 0.78	33.17	26.68		1444.2							
	OBS	00070	- 0.87	33.17	26.69		1443.9							
	OBS	00073	- 0.78											
	STD	00075	- 1.11	33.21	26.73	00.109	1442.9							
	OBS	00075	- 1.11	33.21	26.73		1442.9							
	OBS	00093	- 0.20	33.28	26.75		1447.5							
	OBS	00095	- 0.44	33.52	26.95		1446.8							
	STD	00100	- 0.14	33.50	26.92 •	00.140	1448.2							
	OBS	00100	- 0.14	33.50	26.92		1448.2							
	STD	00125	00.36	33.63	27.00	00.167	1451.1							
	OBS	00125	00.36	33.63	27.00		1451.1							
	STD	00150	00.49	33.68	27.04	00.193	1452.1							
	OBS	00150	00.48	33.68	27.04		1452.1							

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REFID 31 8263	YEAR 1971	BOTDP 00220	AIR TEMP	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0003	MONTH 03	SHIP 3L	WET BULB	21 3 2	WIND-SPD 19	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1010.6	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 30 W	HOUR 08.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.98	32.99	26.55	00.000	1442.0							
08.5	OBS	00000	- 0.98	32.99	26.55		1442.0							
	STD	00010	- 0.98	32.99	26.55	00.015	1442.1							
	OBS	00010	- 0.98	32.99	26.55		1442.1							
	STD	00020	- 0.98	33.00	26.55	00.029	1442.3							
	OBS	00020	- 0.98	33.00	26.55		1442.3							
	STD	00030	- 1.03	33.01	26.56	00.044	1442.2							
	OBS	00030	- 1.03	33.01	26.56		1442.2							
	STD	00050	- 1.30	33.10	26.64	00.073	1441.4							
	OBS	00050	- 1.30	33.10	26.64		1441.4							
	OBS	00065	- 1.26	33.12	26.66		1441.9							
	STD	00075	- 0.67	33.29	26.78	00.107	1445.1							
	OBS	00075	- 0.67	33.29	26.78		1445.1							
	OBS	00085	- 1.63	33.32	26.83		1440.8							
	STD	00100	- 0.95	33.46	26.93	00.137	1444.4							
	OBS	00100	- 0.95	33.46	26.93		1444.4							
	STD	00125	01.01	33.62	26.96	00.165	1454.0							
	OBS	00125	01.01	33.62	26.96		1454.0							
	STD	00150	01.02	33.87	27.16	00.190	1454.8							
	OBS	00150	01.02	33.87	27.16		1454.8							
	OBS	00180	01.11	33.94	27.21		1455.8							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

REFID 31 8263	YEAR 1971	BOTDP 00365	AIR TEMP 01.8	DIR HGT PER	#IND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0004	MONTH 03	SHIP 3L	WET BULB 01.4	21 2 2	#IND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 46 58 N	DAY 18	DATA USE 1	BAROMETR 1010.6	SEA	#IND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 11 W	HOUR 10.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG AZ 043	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.36	33.08	26.63	00.000	1440.3							
10.2	OBS	00000	- 1.36	33.08	26.63		1440.3							
	STD	00010	- 1.37	33.08	26.63	00.014	1440.4							
	OBS	00010	- 1.37	33.08	26.63		1440.4							
	STD	00020	- 1.37	33.08	26.63	00.028	1440.6							
	OBS	00020	- 1.37	33.08	26.63		1440.6							
	STD	00030	- 1.37	33.08	26.63	00.042	1440.7							
	OBS	00030	- 1.37	33.08	26.63		1440.7							
	OBS	00038	- 1.54	33.19	26.72		1440.2							
	STD	00050	- 1.50	33.25	26.77	00.069	1440.7							
	OBS	00050	- 1.50	33.25	26.77		1440.7							
	OBS	00060	- 1.34	33.35	26.85		1441.8							
	OBS	00065	- 0.21	33.41	26.86		1447.2							
	OBS	00070	- 0.34	33.47	26.91		1446.8							
	OBS	00071	- 0.20	33.48	26.91		1447.4							
	STD	00075	- 0.29	33.47	26.91	00.099	1447.1							
	OBS	00075	- 0.29	33.47	26.91		1447.1							
	OBS	00080	- 0.44	33.46	26.91		1446.4							
	OBS	00085	00.15	33.53	26.93		1449.3							
	OBS	00090	- 0.01	33.63	27.02		1448.8							
	STD	00100	00.56	33.69	27.04	00.127	1451.7							
	OBS	00100	00.56	33.69	27.04		1451.7							
	OBS	00108	- 0.25	33.63	27.03		1448.0							
	STD	00125	00.61	33.81	27.13	00.151	1452.5							
	OBS	00125	00.61	33.81	27.13		1452.5							
	STD	00150	01.11	33.92	27.19	00.174	1455.3							
	OBS	00150	01.11	33.92	27.19		1455.3							
	STD	00200	01.94	34.26	27.41	00.214	1460.3							
	OBS	00200	01.94	34.26	27.41		1460.3							
	OBS	00230	03.11	34.58	27.56		1466.3							
	STD	00250	03.29	34.61	27.57	00.244	1467.4							
	OBS	00250	03.29	34.61	27.57		1467.4							
	STD	00300	03.72	34.70	27.60	00.271	1470.2							
	OBS	00300	03.72	34.70	27.60		1470.2							
	OBS	00310	03.82	34.73	27.61		1470.8							

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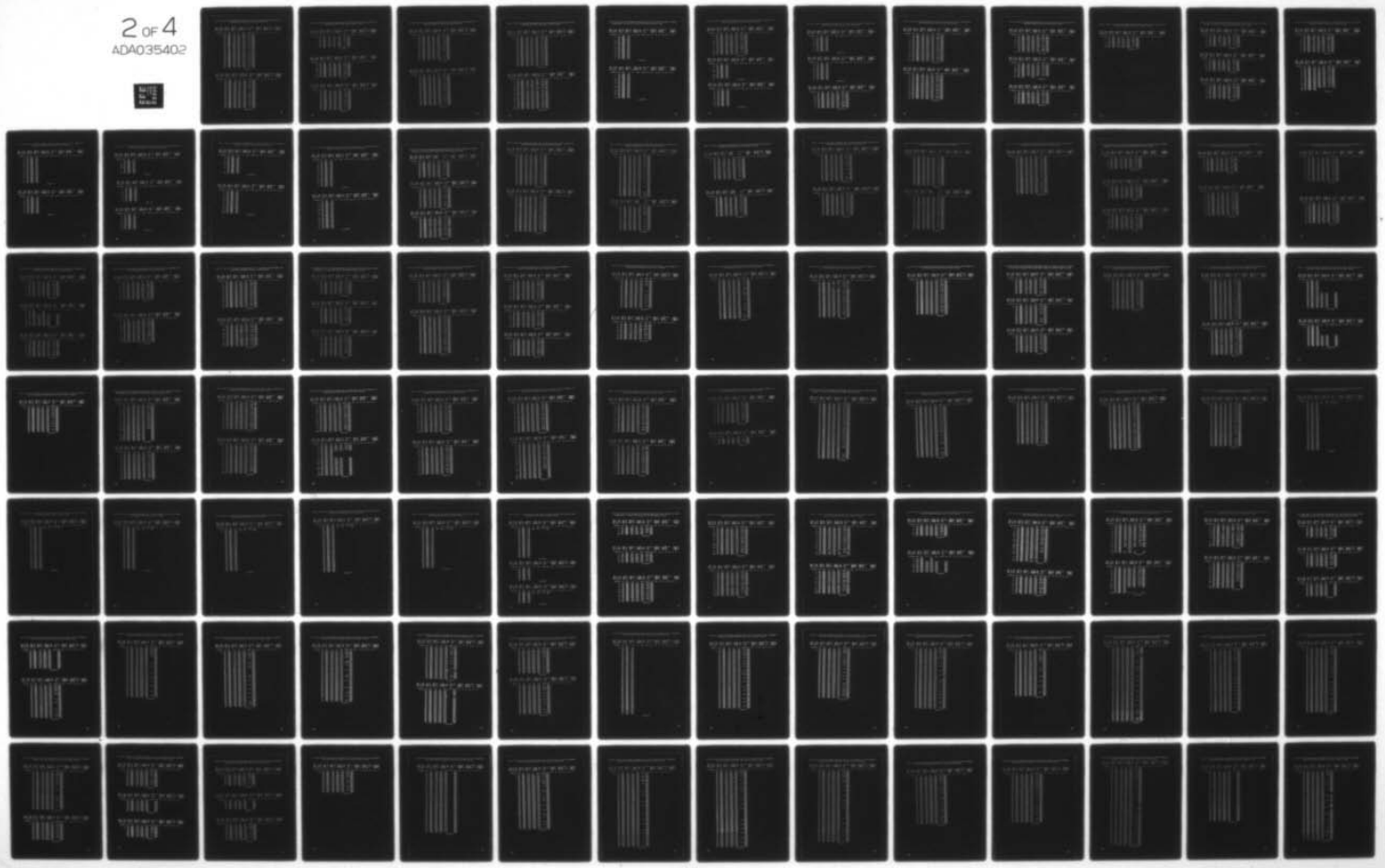
REFID 31 8263	YEAR 1971	BOTDP 01090	AIR TEMP 02.0	DIR HGT PER	#IND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 03	SHIP 3L	WET BULB 01.6	21 2 2	#IND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR	SEA	#IND-FOR	DURATION 00.3	2 SQUARE 66
LONG 046 57 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG AZ 043	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.34	33.24	26.76	00.000	1440.6							
11.7	OBS	00000	- 1.34	33.24	26.76		1440.6							
	STD	00010	- 1.34	33.24	26.76	00.012	1440.8							
	OBS	00010	- 1.34	33.24	26.76		1440.8							
	STD	00020	- 1.34	33.24	26.76	00.025	1440.9							
	OBS	00020	- 1.34	33.24	26.76		1440.9							
	STD	00030	- 1.36	33.24	26.76	00.038	1441.0							
	OBS	00030	- 1.36	33.24	26.76		1441.0							
	OBS	00040	- 1.40	33.29	26.80		1441.1							
	STD	00050	- 1.09	33.40	26.88	00.063	1442.8							
	OBS	00050	- 1.09	33.40	26.88		1442.8							
	OBS	00065	- 1.59	33.49	26.97		1440.9							
	STD	00075	- 0.21	33.59	27.00	00.091	1447.6							
	OBS	00075	- 0.21	33.59	27.00		1447.6							
	STD	00100	00.63	33.81	27.13	00.116	1452.2							
	OBS	00100	00.63	33.81	27.13		1452.2							
	OBS	00110	00.93	33.85	27.15		1453.7							
	OBS	00115	00.66	34.01	27.29		1452.3							
	STD	00125	01.41	34.14	27.35	00.137	1456.5							
	OBS	00125	01.41	34.14	27.35		1456.5							
	STD	00150	01.96	34.23	27.38	00.159	1459.5							
	OBS	00150	01.96	34.23	27.38		1459.5							
	STD	00200	03.24	34.62	27.58	00.186	1466.4							
	OBS	00200	03.24	34.62	27.58		1466.4							
	STD	00250	03.79	34.70	27.59	00.213	1469.7							
	OBS	00250	03.79	34.70	27.59		1469.7							
	STD	00300	03.93	34.73	27.60	00.239	1471.0							
	OBS	00300	03.93	34.73	27.60		1471.0							
	STD	00400	04.36	34.83	27.63	00.291	1474.7							
	OBS	00400	04.36	34.83	27.63		1474.7							
	STD	00500	04.56	34.89	27.66	00.341	1477.3							
	OBS	00500	04.56	34.89	27.66		1477.3							
	STD	00600	04.54	34.91	27.68	00.390	1478.9							
	OBS	00600	04.54	34.91	27.68		1478.9							
	STD	00700	04.47	34.92	27.69	00.439	1480.3							
	OBS	00700	04.47	34.92	27.69		1480.3							
	STD	00800	04.33	34.92	27.71	00.487	1481.4							
	OBS	00800	04.33	34.92	27.71		1481.4							
	STD	00900	04.26	34.92	27.72	00.535	1482.7							
	OBS	00900	04.26	34.92	27.72		1482.7							
	STD	01000	04.24	34.92	27.72	00.584	1484.3							
	OBS	01000	04.24	34.92	27.72		1484.3							
	OBS	01032	04.23	34.92	27.72		1484.3							

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OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND MARCH 19--ETC(U)
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UNCLASSIFIED USCG-373-70 NL

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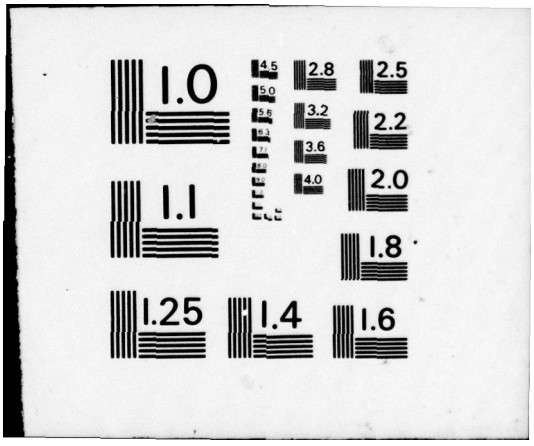

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

REFID 31 8263	YEAR 1971	BOTDP 01189	AIR TEMP 04.1	DIR HGT PER	#IND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 03	SHIP 3L	WET BULB 03.4	19 2 2	#IND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1010.7	SEA	#IND-FOR	DURATION 00.3	2 SQUARE 66
LONG 046 40 W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	#EATHER X4	ORIG A2 043	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.10	33.30	26.80	00.000	1441.8							
15.3	OBS	00000	- 1.10	33.30	26.80		1441.8							
	STD	00010	- 1.10	33.30	26.80	00.012	1442.0							
	OBS	00010	- 1.10	33.30	26.80		1442.0							
	STD	00020	- 1.10	33.31	26.81	00.025	1442.2							
	OBS	00020	- 1.10	33.31	26.81		1442.2							
	STD	00030	- 1.09	33.33	26.82	00.037	1442.4							
	OBS	00030	- 1.09	33.33	26.82		1442.4							
	STD	00050	- 0.44	33.71	27.11	00.059	1446.3							
	OBS	00050	- 0.44	33.71	27.11		1446.3							
	STD	00075	00.76	33.97	27.25	00.081	1452.6							
	OBS	00075	00.76	33.97	27.25		1452.6							
	STD	00100	01.36	34.08	27.30	00.101	1455.8							
	OBS	00100	01.36	34.08	27.30		1455.8							
	STD	00125	02.41	34.38	27.46	00.119	1461.3							
	OBS	00125	02.41	34.38	27.46		1461.3							
	STD	00150	03.16	34.53	27.52	00.134	1465.1							
	OBS	00150	03.16	34.53	27.52		1465.1							
	STD	00200	03.91	34.73	27.60	00.162	1469.4							
	OBS	00200	03.91	34.73	27.60		1469.4							
	STD	00250	04.15	34.79	27.63	00.187	1471.3							
	OBS	00250	04.15	34.79	27.63		1471.3							
	STD	00300	04.36	34.86	27.66	00.212	1473.1							
	OBS	00300	04.36	34.86	27.66		1473.1							
	STD	00400	04.56	34.92	27.68	00.259	1475.7							
	OBS	00400	04.56	34.92	27.68		1475.7							
	STD	00500	04.50	34.93	27.70	00.305	1477.1							
	OBS	00500	04.50	34.93	27.70		1477.1							
	STD	00600	04.40	34.94	27.72	00.350	1478.4							
	OBS	00600	04.40	34.94	27.72		1478.4							
	STD	00700	04.23	34.93	27.73	00.396	1479.3							
	OBS	00700	04.23	34.93	27.73		1479.3							
	STD	00800	04.12	34.93	27.74	00.440	1480.5							
	OBS	00800	04.12	34.93	27.74		1480.5							
	STD	00900	04.01	34.93	27.75	00.485	1481.7							
	OBS	00900	04.01	34.93	27.75		1481.7							
	STD	01000	03.91	34.92	27.75	00.529	1482.9							
	OBS	01000	03.91	34.92	27.75		1482.9							
	STD	01100	03.80	34.92	27.76	00.574	1484.1							
	OBS	01100	03.80	34.92	27.76		1484.1							

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REFID 31 8263	YEAR 1971	BOTDP 00730	AIR TEMP 03.9	DIR HGT PER	#IND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 03	SHIP 3L	WET BULB 03.3	18 2 2	#IND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1009.0	SEA	#IND-FOR	DURATION 00.4	2 SQUARE 66
LONG 046 31 W	HOUR 18.3	AREA 05	CLOUD T/A	CL/TR	#EATHER X4	ORIG A2 043	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.27	33.51	26.94	00.000	1446.0							
18.3	OBS	00000	- 0.27	33.51	26.94		1446.0							
	STD	00010	- 0.27	33.53	26.95	00.011	1446.2							
	OBS	00010	- 0.27	33.53	26.95		1446.2							
	STD	00020	00.59	33.69	27.04	00.021	1450.5							
	OBS	00020	00.59	33.69	27.04		1450.5							
	STD	00030	00.81	33.77	27.09	00.031	1451.8							
	OBS	00030	00.81	33.77	27.09		1451.8							
	STD	00050	02.01	33.96	27.16	00.050	1457.7							
	OBS	00050	02.01	33.96	27.16		1457.7							
	STD	00075	02.66	34.22	27.32	00.072	1461.3							
	OBS	00075	02.66	34.22	27.32		1461.3							
	OBS	00085	03.06	34.30	27.34		1463.3							
	OBS	00087	02.56	34.26	27.36		1461.1							
	STD	00100	02.76	34.28	27.35	00.090	1462.2							
	OBS	00100	02.76	34.28	27.35		1462.2							
	STD	00125	03.51	34.54	27.49	00.107	1466.2							
	OBS	00125	03.51	34.54	27.49		1466.2							
	STD	00150	03.92	34.70	27.58	00.122	1468.6							
	OBS	00150	03.92	34.70	27.58		1468.6							
	STD	00200	04.33	34.83	27.64	00.147	1471.3							
	OBS	00200	04.33	34.83	27.64		1471.3							
	STD	00250	04.45	34.87	27.66	00.171	1472.7							
	OBS	00250	04.45	34.87	27.66		1472.7							
	STD	00300	04.56	34.92	27.68	00.194	1474.0							
	OBS	00300	04.56	34.92	27.68		1474.0							
	STD	00400	04.45	34.93	27.70	00.239	1475.2							
	OBS	00400	04.45	34.93	27.70		1475.2							
	STD	00500	04.25	34.93	27.73	00.283	1476.1							
	OBS	00500	04.25	34.93	27.73		1476.1							
	STD	00600	04.12	34.93	27.74	00.326	1477.2							
	OBS	00600	04.12	34.93	27.74		1477.2							
	OBS	00680	04.05	34.93	27.75		1478.2							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31-8263.—Continued

REFID 31 8263	YEAR 1971	BOTDP 00335	AIR TEMP 04.3	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 03	SHIP 3L	WET BULB 04.0	16 2 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 47 00 N	DAY 18	DATA USE 1	BAROMETR 1006.8	SEA	#IND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 10 W	HOUR 20.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.63	33.75	27.02	00.000	1454.9							
20.5	OBS	00000	01.63	33.75	27.02		1454.9							
	STD	00010	01.63	33.75	27.02	00.010	1455.1							
	OBS	00010	01.63	33.75	27.02		1455.1							
	STD	00020	01.65	33.75	27.02	00.021	1455.3							
	OBS	00020	01.65	33.75	27.02		1455.3							
	STD	00030	01.60	33.73	27.01	00.031	1455.2							
	OBS	00030	01.60	33.73	27.01		1455.2							
	STD	00050	01.46	33.75	27.03	00.052	1455.0							
	OBS	00050	01.46	33.75	27.03		1455.0							
	OBS	00060	01.13	33.76	27.06		1453.7							
	STD	00075	01.76	34.05	27.25	00.075	1457.1							
	OBS	00075	01.76	34.05	27.25		1457.1							

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REFID 31 8263	YEAR 1971	BOTDP 00280	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 03	SHIP 3L	WET BULB 06.7	14 2 3	WIND-SPD 25	TRACE DIR	5 SQUARE 4
LAT 47 02 N	DAY 19	DATA USE 1	BAROMETR 1003.5	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 45 W	HOUR 00.0	AREA 05	CLOUD T/A 5/8	CL/TR	WEATHER X6	ORIG A2 043	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.65	33.78	26.97	00.000	1459.4							
00.0	OBS	00000	02.65	33.783	26.97		1459.4							
	STD	00010	02.52	33.77	26.97	00.011	1459.0							
	STD	00020	02.39	33.76	26.97	00.022	1458.6							
00.0	OBS	00024	02.33	33.752	26.97		1458.4							
	STD	00030	02.23	33.76	26.99	00.032	1458.1							
00.0	OBS	00045	02.03	33.787	27.02		1457.5							
	STD	00050	01.99	33.80	27.03	00.054	1457.4							
00.0	OBS	00069	01.88	33.827	27.06		1457.3							
	STD	00075	01.86	33.83	27.07	00.079	1457.3							
00.0	OBS	00090	01.81	33.833	27.07		1457.3							
	STD	00100	01.74	33.87	27.11	00.104	1457.4							
	STD	00125	01.69	33.97	27.19	00.127	1457.5							
00.0	OBS	00134	01.66	34.009	27.23		1457.6							
	STD	00150	02.27	34.19	27.33	00.148	1460.8							
00.0	OBS	T00179	04.26	34.697	27.54		1470.5							

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REFID 31 8263	YEAR 1971	BOTDP 00280	AIR TEMP 06.8	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 03	SHIP 3L	WET BULB 06.8	18 5 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 4
LAT 47 20 N	DAY 19	DATA USE 1	BAROMETR 0999.4	SEA	#IND-FOR	DURATION 00.1	2 SQUARE 64
LONG 045 50 W	HOUR 04.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.98	33.83	27.06	00.000	1456.6							
04.7	OBS	00000	01.98	33.83	27.06		1456.6							
	STD	00010	01.97	33.83	27.06	00.010	1456.7							
	OBS	00010	01.97	33.83	27.06		1456.7							
	STD	00020	01.97	33.85	27.08	00.020	1456.9							
	OBS	00020	01.97	33.85	27.08		1456.9							
	STD	00030	02.10	33.91	27.11	00.029	1457.7							
	OBS	00030	02.10	33.91	27.11		1457.7							
	STD	00050	02.16	33.94	27.13	00.049	1458.3							
	OBS	00050	02.16	33.94	27.13		1458.3							
	OBS	00070	01.28	34.04	27.28		1454.9							
	STD	00075	02.51	34.24	27.34	00.070	1460.7							
	OBS	00075	02.51	34.24	27.34		1460.7							
	STD	00100	03.29	34.38	27.39	00.088	1464.7							
	OBS	00100	03.29	34.38	27.39		1464.7							
	STD	00125	03.71	34.60	27.52	00.104	1467.2							
	OBS	00125	03.71	34.60	27.52		1467.2							
	STD	00150	04.34	34.76	27.58	00.118	1470.4							
	OBS	00150	04.34	34.76	27.58		1470.4							
	OBS	00170	04.44	34.81	27.61		1471.2							
	STD	00200	04.37	34.86	27.66	00.143	1471.5							
	OBS	00200	04.37	34.86	27.66		1471.5							
	OBS	00220	04.33	34.90	27.69		1471.7							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

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REFID  31  8263     YEAR 1971    BOTDP 00330    AIR TEMP   05.6    DIR HGT PER     WIND-DIR 13    INST STD RECORDER      TEN SQ 1306
CONSEC     0011     MONTH  03    SHIP 3L        WET BULB   05.2     18  5   3      WIND-SPD 25    TRACE DIR        0     5 SQUARE  4
LAT    47 40  N     DAY    19    DATA USE  1    BAROMETR 0996.9     SEA             WIND-FOR                DURATION     00.1     2 SQUARE 64
LONG  045 50  W     HOUR 07.4    AREA     05    CLOUD T/A           CL/TR           WEATHER  X+             GRID  A2 043            1 SQUARE 75

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP     SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

               STD      00000    02.31    33.92    27.10     00.000    1458.1
      07.4     OBS      00000    02.31    33.92    27.10               1458.1
               STD      00010    02.29    33.92    27.11     00.009    1458.2
               OBS      00010    02.29    33.92    27.11               1458.2
               STD      00020    02.28    33.92    27.11     00.019    1458.3
               OBS      00020    02.28    33.92    27.11               1458.3
               STD      00030    02.26    33.92    27.11     00.029    1458.4
               OBS      00030    02.26    33.92    27.11               1458.4
               STD      00050    02.02    33.95    27.15     00.047    1457.7
               OBS      00050    02.02    33.95    27.15               1457.7
               OBS      00065    02.01    33.95    27.15               1457.9
               STD      00075    01.64    33.93    27.16     00.070    1456.4
               OBS      00075    01.64    33.93    27.16               1456.4
               STD      00100    01.82    34.04    27.24     00.092    1457.8
               OBS      00100    01.82    34.04    27.24               1457.8
               STD      00125    01.98    34.10    27.27     00.113    1459.0
               OBS      00125    01.98    34.10    27.27               1459.0
               STD      00150    02.52    34.30    27.39     00.132    1462.0
               OBS      00150    02.52    34.30    27.39               1462.0
               OBS      00155    02.41    34.34    27.43               1461.7
               OBS      00168    03.66    34.66    27.57               1467.7
               OBS      00182    04.19    34.79    27.62               1470.4
               STD      00200    04.46    34.84    27.63     00.162    1471.9
               OBS      00200    04.46    34.84    27.63               1471.9
               OBS      00225    04.61    34.90    27.66               1473.0
               STD      00250    04.41    34.88    27.67     00.186    1472.5
               OBS      00250    04.41    34.88    27.67               1472.5
               OBS      00285    04.27    34.91    27.71               1472.6

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REFID  31  8263     YEAR 1971    BOTDP 00732    AIR TEMP   00.3    DIR HGT PER     WIND-DIR 14    INST STD RECORDER      TEN SQ 1306
CONSEC     0012     MONTH  03    SHIP 3L        WET BULB   00.0     18  6   3      WIND-SPD 25    TRACE DIR        0     5 SQUARE  4
LAT    48 00  N     DAY    19    DATA USE  1    BAROMETR 0994.9     SEA             WIND-FOR                DURATION     00.2     2 SQUARE 84
LONG  045 50  W     HOUR 10.0    AREA     05    CLOUD T/A           CL/TR           WEATHER  X+             GRID  A2 043            1 SQUARE 85

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP     SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

               STD      00000    01.39    33.92    27.17     00.000    1454.1
      10.0     OBS      00000    01.39    33.92    27.17               1454.1
               STD      00010    01.38    33.92    27.17     00.009    1454.2
               OBS      00010    01.38    33.92    27.17               1454.2
               STD      00020    01.38    33.92    27.17     00.018    1454.4
               OBS      00020    01.38    33.92    27.17               1454.4
               STD      00030    01.38    33.93    27.18     00.027    1454.5
               OBS      00030    01.38    33.93    27.18               1454.5
               OBS      00038    01.39    33.99    27.23               1454.8
               STD      00050    01.68    34.03    27.24     00.044    1456.3
               OBS      00050    01.68    34.03    27.24               1456.3
               STD      00075    01.96    34.10    27.28     00.065    1458.1
               OBS      00075    01.96    34.10    27.28               1458.1
               STD      00100    01.94    34.13    27.30     00.084    1458.5
               OBS      00100    01.94    34.13    27.30               1458.5
               STD      00125    03.66    34.67    27.58     00.101    1467.0
               OBS      00125    03.66    34.67    27.58               1467.0
               STD      00150    04.11    34.80    27.64     00.113    1469.5
               OBS      00150    04.11    34.80    27.64               1469.5
               OBS      00160    04.28    34.82    27.63               1470.4
               OBS      00175    04.11    34.80    27.64               1469.9
               STD      00200    04.17    34.85    27.67     00.137    1470.7
               OBS      00200    04.17    34.85    27.67               1470.7
               STD      00250    04.33    34.91    27.70     00.159    1472.2
               OBS      00250    04.33    34.91    27.70               1472.2
               STD      00300    04.44    34.94    27.71     00.180    1473.6
               OBS      00300    04.44    34.94    27.71               1473.6
               STD      00400    04.27    34.95    27.74     00.222    1474.5
               OBS      00400    04.27    34.95    27.74               1474.5
               STD      00500    04.13    34.95    27.75     00.262    1475.6
               OBS      00500    04.13    34.95    27.75               1475.6
               STD      00600    04.05    34.96    27.77     00.302    1476.9
               OBS      00600    04.05    34.96    27.77               1476.9
               OBS      00620    04.07    34.96    27.77               1477.3
               OBS      00655    04.06    34.96    27.77               1477.9

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31-8263.—Continued

REFID 31 8[illegible]	YEAR 1971	BOTDP 00951	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0614	MONTH 03	SHIP 3L	WET BULB 04.3	17 4 3	WIND-SPD 24	TRACE DIR 0	5 SQUARE 4
LAT 44 20 N	DAY 19	DATA USE 1	BAROMETR 0993.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 84
LONG 045 50 W	HOUR 13.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.13	33.90	27.18	00.000	1452.9							
13.4	OBS	00000	01.13	33.90	27.18		1452.9							
	STD	00010	01.13	33.90	27.18	00.009	1453.1							
	OBS	00010	01.13	33.90	27.18		1453.1							
	STD	00020	01.12	33.90	27.18	00.018	1453.2							
	OBS	00020	01.12	33.90	27.18		1453.2							
	STD	00030	01.12	33.89	27.17	00.027	1453.3							
	OBS	00030	01.12	33.89	27.17		1453.3							
	STD	00050	01.06	33.95	27.22	00.044	1453.5							
	OBS	00050	01.06	33.95	27.22		1453.5							
	STD	00075	01.25	34.04	27.28	00.065	1454.9							
	OBS	00075	01.25	34.04	27.28		1454.9							
	STD	00100	01.81	34.24	27.40	00.084	1458.0							
	OBS	00100	01.81	34.24	27.40		1458.0							
	STD	00125	02.66	34.33	27.40	00.101	1462.3							
	OBS	00125	02.66	34.33	27.40		1462.3							
	STD	00150	03.16	34.54	27.53	00.117	1465.1							
	OBS	00150	03.16	34.54	27.53		1465.1							
	STD	00200	03.96	34.78	27.64	00.144	1469.7							
	OBS	00200	03.96	34.78	27.64		1469.7							
	STD	00250	04.41	34.88	27.67	00.167	1472.5							
	OBS	00250	04.41	34.88	27.67		1472.5							
	STD	00300	04.50	34.92	27.69	00.190	1473.8							
	OBS	00300	04.50	34.92	27.69		1473.8							
	STD	00400	04.49	34.95	27.72	00.234	1475.4							
	OBS	00400	04.49	34.95	27.72		1475.4							
	STD	00500	04.34	34.95	27.73	00.277	1476.5							
	OBS	00500	04.34	34.95	27.73		1476.5							
	STD	00600	04.21	34.94	27.74	00.320	1477.6							
	OBS	00600	04.21	34.94	27.74		1477.6							
	STD	00700	04.04	34.93	27.75	00.362	1478.5							
	OBS	00700	04.04	34.93	27.75		1478.5							
	STD	00800	03.97	34.93	27.76	00.405	1479.9							
	OBS	00800	03.97	34.93	27.76		1479.9							

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REFID 31 8263	YEAR 1971	BOTDP 01174	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 03	SHIP 3L	WET BULB 00.6	22 3 3	WIND-SPD 27	TRACE DIR	5 SQUARE 4
LAT 48 35 N	DAY 19	DATA USE 1	BAROMETR 0994.0	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 18.9	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X4	ORIG A2 043	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.55	33.66	27.01	00.000	1449.9							
18.9	OBS	00000	00.55	33.656	27.01		1449.9							
	STD	00010	00.61	33.68	27.03	00.010	1450.4							
	STD	00020	00.66	33.71	27.05	00.020	1450.9							
18.9	OBS	00028	00.71	33.728	27.06		1451.2							
	STD	00030	00.81	33.78	27.10	00.030	1451.8							
	STD	00050	01.74	34.12	27.31	00.048	1456.8							
18.9	OBS	00054		34.163										
	STD	00075	02.68	34.17	27.27 *	00.068	1461.3							
18.9	OBS	00082	02.90	34.174	27.26		1462.4							
	STD	00100	03.20	34.44	27.44	00.086	1464.3							
18.9	OBS	00108		34.530										
	STD	00125	03.56	34.62	27.55	00.101	1466.6							
	STD	00150	03.87	34.72	27.60	00.115	1468.4							
18.9	OBS	00163	04.00	34.768	27.62		1469.2							
	STD	00200	04.28	34.85	27.66	00.139	1471.1							
18.9	OBS	T00217	04.38	34.878	27.67		1471.9							
	STD	00250	04.44	34.89	27.68	00.162	1472.7							
	STD	00300	04.48	34.92	27.69	00.184	1473.7							
18.9	OBS	00325	04.49	34.925	27.70		1474.2							
	STD	00400	04.48	34.94	27.71	00.229	1475.4							
18.9	OBS	00432	04.40	34.950	27.72		1475.6							
	STD	00500	03.91	34.88	27.72	00.272	1474.6							
18.9	OBS	00541	03.79	34.864	27.72		1474.7							
	STD	00600	03.99	34.91	27.74	00.315	1476.6							
18.9	OBS	00648	04.09	34.942	27.75		1477.9							
	STD	00700	04.03	34.94	27.75	00.357	1478.5							
	STD	00800	03.93	34.93	27.76	00.400	1479.7							
18.9	OBS	T00862	03.87	34.922	27.76		1480.5							
	STD	00900	03.83	34.92	27.76	00.442	1480.9							
	STD	01000	03.73	34.92	27.77	00.485	1482.2							
18.9	OBS	01074	03.67	34.922	27.78		1483.2							
	STD	01100	03.65	34.93	27.79	00.527	1483.5							
18.9	OBS	T01116	03.64	34.937	27.79		1483.8							

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TABLE IV.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CAMPBELL, 14–16 July 1971, Prepared from NODC Listing No. 31–1887.

REFID 31 1887	YEAR 1971	BOTDP 01086	AIR TEMP 09.8	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 07	SHIP CM	WET BULB 09.4	18 4 2	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 48 38 N	DAY 14	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 51 W	HOUR 19.7	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 049	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.95											
19.7	OBS	00000	07.95											
	STD	00010	06.46											
	STD	00020	05.22											
	STD	00030	04.22											
19.7	OBS	00033	03.97											
	STD	00050	03.05											
19.7	OBS	00066	02.69											
	STD	00075	03.00											
19.7	OBS	00099	03.52											
	STD	00100	03.52											
	STD	00125	03.50											
19.7	OBS	00131	03.49											
	STD	00150	03.66											
19.7	OBS	00190	03.84											
	STD	00200	03.79											
19.7	OBS	T00249	03.65											
	STD	00250	03.65											
	STD	00300	03.81											
19.7	OBS	00364	03.98											
	STD	00400	04.09											
19.7	OBS	00480	04.18											
	STD	00500	04.12											
19.7	OBS	00594	03.95											
	STD	00600	03.96											
	STD	00700	04.04											
19.7	OBS	T00708	04.05											

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REFID 31 1887	YEAR 1971	BOTDP 01024	AIR TEMP 09.9	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 07	SHIP CM	WET BULB 08.9	18 1 3	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 48 20 N	DAY 14	DATA USE 1	BAROMETR 1017.8	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 23.1	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X6	ORIG A2 049	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.67											
23.1	OBS	00000	07.67											
	STD	00010	04.80											
	STD	00020	02.65											
	STD	00030	01.24											
23.1	OBS	00030	01.24											
	STD	00050	01.28											
23.1	OBS	00060	01.38											
	STD	00075	01.68											
23.1	OBS	00089	01.97											
	STD	00100	02.22											
23.1	OBS	00119	02.66											
	STD	00125	02.85											
	STD	00150	03.50											
23.1	OBS	00179	04.03											
	STD	00200	04.18											
23.1	OBS	T00228	04.34											
	STD	00250	04.38											
	STD	00300	04.45											
23.1	OBS	00337	04.47											
	STD	00400	04.43											
23.1	OBS	00445	04.42											
	STD	00500	04.46											
23.1	OBS	00554	04.49											
	STD	00600	04.36											
23.1	OBS	T00664	04.20											
	STD	00700	04.13											
	STD	00800	03.97											
23.1	OBS	T00883	03.90											

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

REFID 31 1887	YEAR 1971	BOTDP 00585	AIR TEMP 09.0	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 07	SHIP CM	WET BULB 08.2	26 2 3	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 48 04 N	DAY 15	DATA USE 1	BAROMETR 1019.1	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 02.0	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X5	ORIG A2 049	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.30	32.45	25.39	00.000	1476.9							
02.0	OBS	00000	07.30	32.450	25.39		1476.9							
	STD	00010	04.56	32.91	26.09	00.022	1466.6							
	STD	00020	02.46	33.28	26.58	00.039	1458.3							
02.0	OBS	00025	01.65	33.434	26.77		1455.0							
	STD	00030	01.04	33.53	26.88	00.052	1452.5							
	STD	00050	- 0.04	33.84	27.19	00.073	1448.3							
02.0	OBS	00050	- 0.04	33.841	27.19		1448.3							
	STD	00075	01.62	34.09	27.29	00.094	1456.6							
02.0	OBS	00075	01.62	34.090	27.29		1456.6							
	STD	00100	01.94	34.29	27.43	00.112	1458.7							
02.0	OBS	00100	01.94	34.295	27.43		1458.7							
	STD	00125	02.48	34.44	27.51	00.128	1461.7							
	STD	00150	02.95	34.57	27.57	00.142	1464.3							
02.0	OBS	00151	02.97	34.578	27.57		1464.4							
	STD	00200	03.61	34.71	27.62	00.168	1468.1							
	STD	00250	04.09	34.82	27.66	00.192	1471.1							
	STD	00300	04.40	34.89	27.68	00.215	1473.3							
02.0	OBS	00305	04.42	34.900	27.68		1473.5							
	STD	00400	04.46	34.94	27.71	00.259	1475.3							
02.0	OBS	00408	04.47	34.941	27.71		1475.5							
	STD	00500	04.67	34.95	27.69	00.305	1477.8							
02.0	OBS	00510	04.69	34.949	27.69		1476.1							
02.0	OBS	T00546	04.34	34.934	27.72		1477.2							

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REFID 31 1887	YEAR 1971	BOTDP 00384	AIR TEMP 07.1	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 07	SHIP CM	WET BULB 06.8	25 2 3	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 47 40 N	DAY 15	DATA USE 1	BAROMETR 1020.7	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 55 W	HOUR 05.8	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 049	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.26											
05.8	OBS	00000	07.26											
	STD	00010	05.25											
	STD	00020	03.58											
	STD	00030	02.26											
05.8	OBS	00048	00.73											
	STD	00050	00.69											
05.8	OBS	00072	00.42											
	STD	00075	00.49											
	STD	00100	01.08											
	STD	00125	01.70											
05.8	OBS	00145	02.22											
	STD	00150	02.36											
05.8	OBS	00195	03.58											
	STD	00200	03.71											
05.8	OBS	00245	04.80											

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REFID 31 1887	YEAR 1971	BOTDP 00278	AIR TEMP 19.0	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 07	SHIP CM	WET BULB 12.0	26 2 2	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 47 25 N	DAY 15	DATA USE 1	BAROMETR 1023.8	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 55 W	HOUR 08.2	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A2 049	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.78											
08.2	OBS	00000	07.78											
	STD	00010	05.34											
	STD	00020	03.42											
08.2	OBS	00025	02.65											
	STD	00030	02.00											
	STD	00050	00.73											
08.2	OBS	00050	00.73											
	STD	00075	02.12											
08.2	OBS	00075	02.12											
	STD	00100	03.13											
08.2	OBS	00100	03.13											
	STD	00125	03.87											
	STD	00150	04.28											
08.2	OBS	00151	04.29											
	STD	00200	04.06											
08.2	OBS	T00202	04.05											
	STD	00250	04.39											
08.2	OBS	T00259	04.52											

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

REFID 31 1887	YEAR 1971	BOTDP 00279	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 07	SHIP CM	WET BULB 08.8	26 2 2	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 15	DATA USE 1	BAROMETR 1025.1	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 10.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A2 049	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.83											
10.5	OBS	00000	07.83											
	STD	00010	06.65											
	STD	00020	05.56											
10.5	OBS	00024	05.15											
	STD	00030	04.44											
10.5	OBS	00048	02.97											
	STD	00050	02.94											
10.5	OBS	00071	02.57											
	STD	00075	02.43											
10.5	OBS	00095	02.10											
	STD	00100	02.35											
	STD	00125	03.44											
10.5	OBS	00145	04.10											
	STD	00150	04.12											
	STD	00200	04.30											
10.5	OBS	T00249	04.48											

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REFID 31 1887	YEAR 1971	BOTDP 00314	AIR TEMP 10.1	DIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 07	SHIP CM	WET BULB 09.1	23 2 2	WIND-SPD 06	TRACE DIR	5 SQUARE 4
LAT 47 02 N	DAY 15	DATA USE 1	BAROMETR 1025.6	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 09 W	HOUR 12.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A2 049	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.48											
12.5	OBS	00000	08.48											
	STD	00010	07.06											
	STD	00020	05.46											
12.5	OBS	00024	04.77											
	STD	00030	03.11											
12.5	OBS	00048	00.03											
	STD	00050	00.06											
12.5	OBS	00072	00.38											
	STD	00075	00.60											
12.5	OBS	00097	01.83											
	STD	00100	01.87											
	STD	00125	02.18											
12.5	OBS	00145	02.43											
	STD	00150	02.74											
12.5	OBS	00194	04.60											
	STD	00200	04.58											
	STD	00250	04.45											
12.5	OBS	T00259	04.43											

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REFID 31 1887	YEAR 1971	BOTDP 00336	AIR TEMP 10.1	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 07	SHIP CM	WET BULB 09.1	22 1 2	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 46 58 N	DAY 15	DATA USE 1	BAROMETR 1026.7	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 29 W	HOUR 14.3	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 049	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.89	32.25	25.16	00.000	1478.9							
14.3	OBS	00000	07.89	32.251	25.16		1478.9							
	STD	00010	07.31	32.29	25.26	00.027	1476.9							
	STD	00020	06.16	32.43	25.52	00.053	1472.6							
14.3	OBS	00024	05.54	32.513	25.67		1470.3							
	STD	00030	03.55	32.78	26.09	00.075	1462.4							
14.3	OBS	00048	- 0.10	33.393	26.84		1447.4							
	STD	00050	- 0.07	33.43	26.86	00.106	1447.6							
14.3	OBS	00072	00.49	33.780	27.12		1451.0							
	STD	00075	00.61	33.81	27.14	00.133	1451.7							
14.3	OBS	00096	01.66	34.067	27.27		1457.1							
	STD	00100	02.05	34.14	27.30	00.155	1459.0							
	STD	00125	04.18	34.55	27.43	00.173	1469.0							
14.3	OBS	00144	05.41	34.791	27.48		1474.8							
	STD	00150	05.37	34.79	27.49	00.189	1474.7							
	STD	00200	05.05	34.82	27.55	00.219	1474.3							
	STD	00250	04.73	34.85	27.60	00.246	1473.8							
14.3	OBS	T00282	04.53	34.862	27.64		1473.5							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31–8263.—Continued

REFID 31 1887 YEAR 1971 BOTDP 00984 AIR TEMP 09.2 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1306
CONSEC 0009 MONTH 07 SHIP CM WET BULB 08.5 WIND-SPD 06 TRACE DIR 5 SQUARE 4
LAT 47 00 N DAY 15 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 046 45 W HOUR 17.2 AREA 05 CLOUD T/A X/9 CL/TR WEATHER X4 ORIG A2 049 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	07.62	32.27	25.21	00.000	1477.9							
17.2	OBS	00000	07.62	32.268	25.21		1477.9							
	STD	00010	07.34	32.31	25.28	00.027	1477.0							
	STD	00020	06.75	32.36	25.40	00.053	1474.9							
	STD	00030	05.85	32.41	25.55	00.079	1471.5							
17.2	OBS	00030	05.85	32.406	25.55		1471.5							
	STD	00050	02.34	33.49	26.76	00.116	1458.5							
17.2	OBS	00060	01.26	33.833	27.11		1456.4							
	STD	00075	00.97	33.92	27.20	00.143	1453.5							
17.2	OBS	00090	00.73	34.032	27.31		1452.8							
	STD	00100	00.45	34.14	27.41	00.163	1451.8							
17.2	OBS	00120	00.36	34.333	27.57		1452.0							
	STD	00125	00.75	34.37	27.58	00.178	1453.9							
	STD	00150	02.34	34.52	27.58	00.191	1461.6							
17.2	OBS	00174	03.33	34.627	27.58		1466.4							
	STD	00200	03.48	34.66	27.59	00.217	1467.5							
17.2	OBS	00229	03.64	34.702	27.61		1468.7							
	STD	00250	03.75	34.73	27.62	00.242	1469.6							
	STD	00300	03.98	34.80	27.65	00.267	1471.4							
17.2	OBS	00338	04.12	34.841	27.67		1472.7							
	STD	00400	04.30	34.88	27.68	00.314	1474.6							
17.2	OBS	T00448	04.38	34.906	27.69		1475.7							
	STD	00500	04.37	34.92	27.70	00.360	1476.5							
17.2	OBS	00557	04.34	34.919	27.71		1477.4							
	STD	00600	04.31	34.91	27.70	00.406	1477.9							
17.2	OBS	T00667	04.26	34.896	27.70		1478.8							
	STD	00700	04.23	34.90	27.70	00.452	1479.3							
	STD	00800	04.12	34.91	27.73	00.499	1480.5							
17.2	OBS	T00886	04.00	34.922	27.75		1481.4							
	STD	00900	03.98	34.92	27.75	00.544	1481.6							
17.2	OBS	00995	03.81	34.933	27.77		1482.4							

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REFID 31 1887 YEAR 1971 BOTDP 01159 AIR TEMP 08.5 DIR HGT PER 13 2 4 WIND-DIR 15 INST NANSEN CAST TEN SQ 1306
CONSEC 0010 MONTH 07 SHIP CM WET BULB 07.8 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 47 00 N DAY 15 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 047 00 W HOUR 20.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG A2 049 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	08.08	32.17	25.06	00.000	1479.5							
20.1	OBS	00000	08.08	32.167	25.06		1479.5							
	STD	00010	04.89	32.39	25.65	00.026	1467.2							
	STD	00020	02.43	32.63	26.07	00.047	1457.2							
20.1	OBS	00026	01.30	32.778	26.26		1452.5							
	STD	00030	00.85	32.92	26.40	00.065	1450.8							
	STD	00050	- 0.55	33.42	26.88	00.093	1445.4							
20.1	OBS	00051	- 0.58	33.441	26.90		1445.3							
	STD	00075	- 0.19	33.62	27.03	00.121	1447.7							
20.1	OBS	00077	- 0.16	33.638	27.04		1447.9							
	STD	00100	00.26	33.80	27.15	00.146	1450.5							
20.1	OBS	00103	00.32	33.824	27.16		1450.8							
	STD	00125	00.88	33.96	27.24	00.168	1453.9							
	STD	00150	01.47	34.12	27.33	00.188	1457.2							
20.1	OBS	00154	01.56	34.149	27.35		1457.7							
	STD	00200	02.52	34.45	27.51	00.222	1463.1							
20.1	OBS	T00205	02.61	34.475	27.52		1463.6							
	STD	00250	03.27	34.63	27.59	00.250	1467.4							
	STD	00300	03.77	34.76	27.64	00.275	1470.5							
20.1	OBS	00307	03.82	34.769	27.64		1470.8							
	STD	00400	03.99	34.83	27.67	00.323	1473.2							
20.1	OBS	T00408	04.00	34.833	27.67		1473.4							
	STD	00500	04.15	34.87	27.69	00.370	1475.5							
20.1	OBS	00509	04.16	34.872	27.69		1475.8							
	STD	00600	04.27	34.90	27.70	00.416	1477.7							
20.1	OBS	T00610	04.27	34.900	27.70		1477.9							
	STD	00700	04.25	34.90	27.70	00.464	1479.3							
	STD	00800	04.11	34.89	27.71	00.511	1480.4							
20.1	OBS	00815	04.08	34.890	27.71		1480.5							

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TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31-8263.—Continued

REFID 31 1887	YEAR 1971	BOTDP 00402	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 07	SHIP CM	WET BULB 07.4	13 2 3	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 15	DATA USE 1	BAROMETR 1025.1	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 14 W	HOUR 22.7	AREA 05	CLOUD T/A 6/3	CL/TR	WEATHER X1	ORIG A2 049	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.06	31.87	24.83	00.000	1479.1							
22.7	OBS	00000	08.06	31.870	24.83		1479.1							
	STD	00010	07.87	31.91	24.89	00.031	1478.6							
	STD	00020	06.64	32.05	25.17	00.060	1474.1							
22.7	OBS	00023	06.06	32.111	25.29		1471.9							
	STD	00030	02.92	32.40	25.85	00.085	1459.2							
22.7	OBS	00046	- 1.48	32.900	26.49		1440.2							
	STD	00050	- 1.43	32.94	26.51	00.122	1440.6							
22.7	OBS	00069	- 1.06	33.192	26.71		1443.0							
	STD	00075	- 0.88	33.32	26.81	00.156	1444.1							
22.7	OBS	00083	- 0.66	33.476	26.93		1445.5							
	STD	00100	- 0.31	33.58	26.99	00.185	1447.5							
	STD	00125	00.19	33.72	27.09	00.211	1450.5							
22.7	OBS	00139	00.47	33.802	27.14		1452.1							
	STD	00150	00.69	33.86	27.17	00.234	1453.3							
	STD	00200	01.66	34.14	27.33	00.276	1458.9							
	STD	00250	02.61	34.40	27.47	00.311	1464.2							
	STD	00300	03.52	34.65	27.58	00.341	1469.3							
22.7	OBS	00330	04.06	34.799	27.64		1472.3							

REFID 31 1887	YEAR 1971	BOTDP 00216	AIR TEMP 09.1	DIR HGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 07	SHIP CM	WET BULB 08.5	14 2 3	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1024.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 20 W	HOUR 00.9	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A2 049	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.66	32.20	25.15	00.000	1478.0							
00.9	OBS	00000	07.66	32.198	25.15		1478.0							
	STD	00010	03.73	32.42	25.78	00.025	1462.4							
	STD	00020	00.81	32.60	26.15	00.045	1450.0							
00.9	OBS	00023	00.13	32.640	26.22		1447.0							
	STD	00030	- 0.90	32.70	26.31	00.063	1442.4							
00.9	OBS	00046	- 2.09	32.843	26.45		1437.3							
	STD	00050	- 1.87	32.89	26.49	00.096	1438.4							
00.9	OBS	00068	- 1.07	33.067	26.61		1442.8							
	STD	00075	- 0.89	33.12	26.65	00.133	1443.8							
00.9	OBS	00091	- 0.53	33.236	26.73		1445.9							
	STD	00100	- 0.37	33.29	26.77	00.166	1446.9							
	STD	00125	- 0.05	33.48	26.91	00.197	1449.0							
00.9	OBS	00136	00.03	33.584	26.98		1449.7							
	STD	00150		33.73										
00.9	OBS	00171		33.987										

REFID 31 1887	YEAR 1971	BOTDP 00178	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 07	SHIP CM	WET BULB 08.8	15 2 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1022.6	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 44 W	HOUR 02.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A2 049	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.05	32.26	25.14	00.000	1479.5							
02.5	OBS	00000	08.05	32.257	25.14		1479.5							
	STD	00010	05.65	32.19	25.40	00.027	1470.1							
	STD	00020	03.48	32.12	25.57	00.052	1461.1							
02.5	OBS	00022	03.07	32.102	25.59		1459.3							
	STD	00030	01.24	32.40	25.91	00.074	1451.8							
02.5	OBS	00045	- 1.00	32.776	26.37		1442.3							
	STD	00050	- 1.17	32.79	26.39	00.111	1441.6							
02.5	OBS	00067	- 1.45	32.863	26.46		1440.7							
	STD	00075	- 1.32	32.92	26.50	00.151	1441.5							
02.5	OBS	00089	- 1.10	33.023	26.58		1442.9							
	STD	00100	- 0.93	33.11	26.64	00.188	1444.0							
	STD	00125	- 0.57	33.30	26.78	00.221	1446.4							
02.5	OBS	00134	- 0.45	33.377	26.84		1447.2							

TABLE III.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 18–19 March 1971, Prepared from NODC Listing No. 31-8263.—Continued

REFID 31 1887	YEAR 1971	BOTDP 00146	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 07	SHIP CM	WET BULB 08.8	49 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 16	DATA USE 1	BAROMETR 1021.2	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 00 W	HOUR 04.2	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG A2 049	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	08.38	32.23	25.07	00.000	1480.8							
04.2	OBS	00000	08.38	32.228	25.07		1480.8							
	STD	00010	08.15	32.26	25.13	00.028	1480.1							
	STD	00020	07.91	32.29	25.19	00.057	1479.4							
	STD	00030	07.68	32.33	25.25	00.084	1478.7							
04.2	OBS	00048	07.26	32.387	25.35		1477.4							
	STD	00050	06.26	32.43	25.52	00.136	1473.5							
04.2	OBS	00071	- 0.81	32.772	26.36		1443.6							
	STD	00075	- 0.97	32.78	26.38	00.188	1443.0							
04.2	OBS	00094	- 1.37	32.872	26.46		1441.5							
	STD	00100	- 1.30	32.91	26.49	00.228	1442.0							
04.2	OBS	00117	- 1.09	33.047	26.60		1443.4							

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.

REFID 31 1889	YEAR 1971	BOTDP 00137	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 08	SHIP EI	WET BULB 15.0	25 1 2	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 26	DATA USE 1	BAROMETR 1019.9	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 00 W	HOUR 19.3	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.26	31.70	23.61	00.000	1501.0							
19.3	OBS	00000	14.26	31.703	23.61		1501.0							
	STD	00010	14.12	31.64	23.59	00.043	1500.6							
19.3	OBS	00012	13.74	31.624	23.66		1499.3							
	STD	00020	07.63	32.06	25.04	00.079	1478.0							
	STD	00030	01.97	32.48	25.98	00.104	1455.2							
19.3	OBS	00037	- 0.68	32.683	26.29		1443.5							
	STD	00050	- 1.09	32.76	26.36	00.141	1441.9							
19.3	OBS	00062	- 1.31	32.833	26.43		1441.2							
	STD	00075	- 1.12	32.90	26.48	00.181	1442.4							
19.3	OBS	00087		32.993										
	STD	00100	- 1.00	33.14	26.67	00.218	1443.7							
19.3	OBS	00112	- 0.59	33.310	26.79		1446.1							

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REFID 31 1889	YEAR 1971	BOTDP 00137	AIR TEMP 14.9	DIR HGT PER	WIND-DIR 24	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 08	SHIP EI	WET BULB 14.2	24 2 2	WIND-SPD 09	TRACE DIR	5 SQUARE 4
LAT 46 59 N	DAY 26	DATA USE 1	BAROMETR 1019.5	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 53 W	HOUR 20.9	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.03	31.61	23.59	00.000	1500.1							
20.9	OBS	00000	14.03	31.614	23.59		1500.1							
	STD	00010	13.25	32.07	24.10	00.040	1498.2							
	STD	00020	12.47	32.41	24.52	00.077	1496.2							
20.9	OBS	00025	12.08	32.543	24.69		1495.1							
	STD	00030	08.19	32.60	25.39	00.107	1481.0							
20.9	OBS	00049	- 1.36	32.774	26.38		1440.3							
	STD	00050	- 1.36	32.78	26.39	00.149	1440.7							
20.9	OBS	00074	- 1.25	32.904	26.48		1441.8							
	STD	00075	- 1.23	32.91	26.49	00.189	1441.9							
20.9	OBS	00098	- 0.84	33.119	26.65		1444.4							
	STD	00100	- 0.80	33.14	26.66	00.226	1444.7							
20.9	OBS	00110	- 0.60	33.287	26.77		1446.0							

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REFID 31 1889	YEAR 1971	BOTDP 00131	AIR TEMP 15.1	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 08	SHIP EI	WET BULB 13.9	25 1 2	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 26	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 30 W	HOUR 22.8	AREA 05	CLOUD T/A 7/5	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.55	31.61	23.68	00.000	1498.5							
22.8	OBS	00000	13.55	31.606	23.68		1498.5							
	STD	00010	05.66	32.09	25.32	00.034	1470.0							
	STD	00020	00.28	32.45	26.06	00.057	1447.4							
22.8	OBS	00024	- 1.16	32.560	26.20		1440.9							
	STD	00030	- 1.34	32.63	26.26	00.076	1440.3							
22.8	OBS	00047	- 1.63	32.774	26.39		1439.4							
	STD	00050	- 1.62	32.78	26.40	00.110	1439.5							
22.8	OBS	00071	- 1.51	32.858	26.45		1440.4							
	STD	00075	- 1.47	32.87	26.47	00.150	1440.7							
22.8	OBS	00095	- 1.27	32.972	26.54		1442.1							
	STD	00100	- 1.22	32.99	26.56	00.188	1442.5							
	STD	00125	- 0.95	33.14	26.66	00.224	1444.4							
22.8	OBS	00142	- 0.77	33.279	26.77		1445.7							
	STD	00150	- 0.54	33.36	26.83	00.256	1447.0							
22.8	OBS	00189	01.23	33.846	27.13		1456.4							

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.—Continued

REFID 31 1889	YEAR 1971	BOTDP 00329	AIR TEMP 15.1	DIR HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 08	SHIP EI	WET BULB 13.9	21 1 3	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 46 59 N	DAY 27	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 15 W	HOUR 00.7	AREA 05	CLOUD T/A 6/5	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.68	31.03	23.21	00.000	1498.2							
00.7	OBS	00000	13.68	31.029	23.21		1498.2							
	STD	00010	07.78	31.69	24.74	00.039	1477.9							
	STD	00020	03.29	32.23	25.68	00.067	1460.4							
	STD	00030	00.21	32.64	26.22	00.087	1447.5							
00.7	OBS	00030	00.21	32.640	26.22		1447.5							
	STD	00050	- 1.10	33.03	26.58	00.120	1442.3							
00.7	OBS	00055	- 1.29	33.107	26.65		1441.6							
	STD	00075	- 1.26	33.33	26.83	00.154	1442.3							
00.7	OBS	00086	- 1.25	33.443	26.92		1442.7							
	STD	00100	- 0.51	33.57	27.00	00.182	1446.6							
00.7	OBS	00111	- 0.01	33.670	27.06		1449.2							
	STD	00125	00.38	33.78	27.13	00.207	1451.4							
	STD	00150	01.02	33.97	27.24	00.230	1455.0							
00.7	OBS	00166	01.36	34.082	27.30		1457.0							
	STD	00200	02.00	34.30	27.44	00.268	1460.6							
00.7	OBS	T00222	02.36	34.423	27.50		1462.7							
	STD	00250	02.78	34.55	27.57	00.298	1465.2							
	STD	00300	03.43	34.71	27.63	00.324	1469.0							
00.7	OBS	00333	03.78	34.765	27.64		1471.1							

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REFID 31 1889	YEAR 1971	BOTDP 01097	AIR TEMP 14.4	DIR HGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 08	SHIP EI	WET BULB 13.1	28 3 3	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 47 00.0N	DAY 27	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 58.0W	HOUR 03.3	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.60	31.78	24.00	00.000	1495.5							
03.3	OBS	00000	12.60	31.784	24.00		1495.5							
	STD	00010	11.68	31.78	24.18	00.038	1492.5							
	STD	00020	10.75	31.97	24.48	00.074	1489.6							
03.3	OBS	00025	10.29	32.133	24.69		1488.2							
	STD	00030	07.25	32.53	25.46	00.104	1477.3							
03.3	OBS	00049	- 0.28	33.562	26.98		1446.8							
	STD	00050	- 0.32	33.57	26.99	00.140	1446.7							
03.3	OBS	00074	- 0.46	33.759	27.15		1446.7							
	STD	00075	- 0.40	33.77	27.15	00.165	1447.0							
03.3	OBS	00098	00.75	34.016	27.29		1453.0							
	STD	00100	00.83	34.04	27.30	00.186	1453.4							
	STD	00125	01.72	34.25	27.41	00.204	1458.0							
03.3	OBS	00148	02.32	34.403	27.49		1461.3							
	STD	00150	02.34	34.41	27.49	00.221	1461.4							
	STD	00200	02.91	34.59	27.59	00.249	1464.9							
03.3	OBS	T00202	02.93	34.595	27.59		1465.1							
	STD	00250	03.49	34.71	27.63	00.274	1468.4							
	STD	00300	03.87	34.80	27.66	00.298	1471.0							
03.3	OBS	00301	03.88	34.801	27.66		1471.0							
	STD	00400	04.03	34.86	27.69	00.344	1473.4							
03.3	OBS	T00400	04.03	34.859	27.69		1473.4							
	STD	00500	04.00	34.88	27.71	00.389	1474.9							
03.3	OBS	00503	04.00	34.880	27.71		1475.0							
	STD	00600	04.08											
03.3	OBS	00600	04.08											
03.3	OBS	T01037	03.86											

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.—Continued

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REFID  31  1889     YEAR 1971    BOTDP 00905    AIR TEMP   12.2    DIR HGT PER    WIND-DIR 32    INST NANSEN CAST      TEN SQ 1306
CONSEC     0006     MONTH  08    SHIP E1        WET BULB   11.6     32  2   2     WIND-SPD 15    TRACE DIR             5 SQUARE  4
LAT    47 01  N     DAY    27    DATA USE  1    BAROMETR 1020.4    SEA            WIND-FOR       DURATION              2 SQUARE 66
LONG  046 44  W     HOUR 05.7    AREA      05   CLOUD T/A   0/1    CL/TR          WEATHER  X1    ORIG  A2 050         1 SQUARE 76

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH  SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

               STD      00000     13.14
         05.7  OBS      00000     13.14
               STD      00010     09.74
               STD      00020     06.82
         05.7  OBS      00024     05.78
               STD      00030     04.18
         05.7  OBS      00048     01.16
               STD      00050     01.17
         05.7  OBS      00073     01.41
               STD      00075     01.46
         05.7  OBS      00097     02.01
               STD      00100     02.09
               STD      00125     02.71
         05.7  OBS      00146     03.20
               STD      00150     03.31
         05.7  OBS      00199     04.27
               STD      00200     04.27
               STD      00250     04.34
         05.7  OBS      00296     04.40
               STD      00300     04.37
         05.7  OBS      00393     03.94
               STD      00400     03.98
         05.7  OBS      00495     04.31
               STD      00500     04.31
         05.7  OBS      00592     04.27
               STD      00600     04.26
               STD      00700     04.18
         05.7  OBS      00787     04.11
               STD      00800     04.06
         05.7  OBS      00831     03.94

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REFID  31  1889     YEAR 1971    BOTDP 00393    AIR TEMP   12.2    DIR HGT PER    WIND-DIR 32    INST NANSEN CAST      TEN SQ 1306
CONSEC     0007     MONTH  08    SHIP E1        WET BULB   11.6     32  1   2     WIND-SPD 15    TRACE DIR             5 SQUARE  4
LAT    46 59  N     DAY    27    DATA USE  1    BAROMETR 1020.4    SEA            WIND-FOR       DURATION              2 SQUARE 66
LONG  046 34  W     HOUR 07.7    AREA      05   CLOUD T/A   6/5    CL/TR          WEATHER  X1    ORIG  A2 050         1 SQUARE 66

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH  SND VEL   OXYG     PO4   TOT P    NO2    NO3    SIO3    PH

               STD      00000     13.06
         07.7  OBS      00000     13.06
               STD      00010     12.33
               STD      00020     11.61
         07.7  OBS      00024     11.32
               STD      00030     07.27
         07.7  OBS      00048     00.07
               STD      00050     00.38
         07.7  OBS      00073     02.35
               STD      00075     02.20
         07.7  OBS      00097     01.24
               STD      00100     01.47
               STD      00125     03.00
         07.7  OBS      00146     03.79
               STD      00150     03.79
         07.7  OBS      00199     03.78
               STD      00200     03.78
               STD      00250     03.82
         07.7  OBS      00295     03.89

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.—Continued

REFID 31 1889	YEAR 1971	BOTDP 00292	AIR TEMP 11.3	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 08	SHIP E1	WET BULB 09.8	32 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 27	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 10 W	HOUR 09.5	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.70											
09.5	OBS	00000	13.70											
	STD	00010	13.72											
	STD	00020	13.73											
09.5	OBS	00024	13.74											
	STD	00030	10.42											
09.5	OBS	00049	03.42											
	STD	00050	03.35											
09.5	OBS	00073	02.22											
	STD	00075	02.16											
09.5	OBS	00097	01.85											
	STD	00100	01.96											
	STD	00125	02.78											
09.5	OBS	00146	03.31											
	STD	00150	03.39											
09.5	OBS	00199	04.00											

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REFID 31 1889	YEAR 1971	BOTDP 00283	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 08	SHIP E1	WET BULB 09.1	32 1 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 27	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 49 W	HOUR 12.1	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.56											
12.1	OBS	00000	13.56											
	STD	00010	13.31											
	STD	00020	13.06											
12.1	OBS	00023	12.99											
	STD	00030	08.93											
12.1	OBS	00045	03.22											
	STD	00050	02.95											
12.1	OBS	00068	02.35											
	STD	00075	02.37											
12.1	OBS	00091	02.41											
	STD	00100	02.82											
	STD	00125	03.74											
12.1	OBS	00136	04.04											
	STD	00150	04.33											
12.1	OBS	00186	04.58											

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REFID 31 1889	YEAR 1971	BOTDP 00284	AIR TEMP 11.4	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 08	SHIP E1	WET BULB 09.0	32 2 2	WIND-SPD 18	TRACE DIR	5 SQUARE 4
LAT 47 20 N	DAY 27	DATA USE 1	BAROMETR 1024.5	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 49 W	HOUR 14.5	AREA 05	CLOUD T/A 2/6	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.14											
14.5	OBS	00000	13.14											
	STD	00010	12.89											
	STD	00020	11.79											
14.5	OBS	00028	10.29											
	STD	00030	09.41											
	STD	00050	03.13											
14.5	OBS	00051	02.94											
	STD	00075	02.34											
14.5	OBS	00079	02.32											
	STD	00100	02.62											
14.5	OBS	00103	02.67											
	STD	00125	03.33											
	STD	00150	03.91											
14.5	OBS	00154	03.99											
	STD	00200	04.53											
14.5	OBS	00206	04.56											

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.—Continued

REFID 31 1889	YEAR 1971	BOTDP 00393	AIR TEMP 11.4	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 08	SHIP EI	WET BULB 09.0	32 4 2	WIND-SPD 18	TRACE DIR	5 SQUARE 4
LAT 47 39 N	DAY 27	DATA USE 1	BAROMETR 1024.5	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 55 W	HOUR 17.6	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.31											
17.6	OBS	00000	12.31											
	STD	00010	10.60											
	STD	00020	08.29											
17.6	OBS	00022	07.76											
	STD	00030	04.03											
17.6	OBS	00044	00.32											
	STD	00050	00.89											
17.6	OBS	00067	01.97											
	STD	00075	02.03											
17.6	OBS	00089	02.23											
	STD	00100	02.61											
	STD	00125	03.37											
17.6	OBS	00133	03.58											
	STD	00150	03.80											
	STD	00200	04.28											
	STD	00250	04.52											
17.6	OBS	00271	04.55											
	STD	00300	04.52											
17.6	OBS	T00309	04.49											

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REFID 31 1889	YEAR 1971	BOTDP 00750	AIR TEMP 11.4	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 08	SHIP EI	WET BULB 09.1	33 4 2	WIND-SPD 25	TRACE DIR	5 SQUARE 4
LAT 48 00 N	DAY 27	DATA USE 1	BAROMETR 1025.1	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 20.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG A2 050	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.67											
20.6	OBS	00000	11.67											
	STD	00010	10.35											
	STD	00020	08.37											
20.6	OBS	00024	07.39											
	STD	00030	04.88											
20.6	OBS	00043	01.28											
	STD	00050	01.22											
20.6	OBS	00066	01.07											
	STD	00075	01.58											
20.6	OBS	00085	02.02											
	STD	00100	02.13											
	STD	00125	02.32											
20.6	OBS	00127	02.34											
	STD	00150	03.59											
20.6	OBS	T00170	04.38											
	STD	00200	04.48											
	STD	00250	04.56											
20.6	OBS	00255	04.56											
	STD	00300	04.50											
20.6	OBS	T00342	04.45											
	STD	00400	04.37											
20.6	OBS	00431	04.34											
	STD	00500	04.31											
20.6	OBS	00521	04.30											
20.6	OBS	T00554	04.40											

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TABLE V.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC CHASE, 26–28 August 1971, Prepared from NODC Listing No. 31–1889.—Continued

REFID 31 1889	YEAR 1971	BOTDP 01134	AIR TEMP 12.0	DIR HGT PER	WIND-DIR 3[illegible]	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 08	SHIP E1	WET BULB 10.0	32 2 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 48 20 N	DAY 27	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 23.4	AREA 05	CLOUD T/A /0	CL/TR	WEATHER X0	ORIG A2 050	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.20											
23.4	OBS	00000	12.20											
	STD	00010	04.96											
	STD	00020	00.28											
23.4	OBS	00024	- 0.87											
	STD	00030	- 0.70											
23.4	OBS	00043	- 0.20											
	STD	00050	00.01											
23.4	OBS	00071	00.86											
	STD	00075	01.03											
23.4	OBS	00091	01.65											
	STD	00100	01.94											
	STD	00125	02.61											
23.4	OBS	00136	02.84											
	STD	00150	03.01											
23.4	OBS	T00180	03.34											
	STD	00200	03.53											
	STD	00250	03.89											
23.4	OBS	00268	03.98											
	STD	00300	04.03											
23.4	OBS	T00354	04.08											
	STD	00400	04.08											
23.4	OBS	00437	04.08											
	STD	00500	04.19											
23.4	OBS	00520	04.22											
	STD	00600	04.22											
23.4	OBS	00689	04.22											
	STD	00700	04.21											
	STD	00800	04.12											
23.4	OBS	T00855	04.04											

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REFID 31 1889	YEAR 1971	BOTDP 01150	AIR TEMP 11.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 08	SHIP E1	WET BULB 10.8	30 2 2	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 48 35 N	DAY 28	DATA USE 1	BAROMETR 1026.4	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 51 W	HOUR 01.6	AREA 05	CLOUD T/A /0	CL/TR	WEATHER X0	ORIG A2 050	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.06											
01.6	OBS	00000	11.06											
	STD	00010	08.64											
	STD	00020	06.41											
01.6	OBS	00027	04.97											
	STD	00030	04.20											
01.6	OBS	00049	01.06											
	STD	00050	01.09											
	STD	00075	01.69											
01.6	OBS	00076	01.71											
01.6	OBS	00099	02.21											
	STD	00100	02.23											
	STD	00125	02.72											
01.6	OBS	00149	03.10											
	STD	00150	03.11											
01.6	OBS	T00199	03.64											
	STD	00200	03.64											
	STD	00250	03.81											
	STD	00300	03.95											
01.6	OBS	00301	03.95											
	STD	00400	04.13											
01.6	OBS	T00403	04.13											
	STD	00500	04.18											
01.6	OBS	00507	04.18											
	STD	00600	04.20											
01.6	OBS	00612	04.20											
	STD	00700	04.11											
	STD	00800	04.01											
01.6	OBS	T00827	03.98											
	STD	00900	03.90											
	STD	01000	03.78											
01.6	OBS	T01040	03.73											

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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.

REFID 31 8240 YEAR 1971 BOTDP 00137 AIR TEMP DIR MGT PER WIND-DIR INST STD RECORDER TEN SQ 1306
CONSEC 0001 MONTH 11 SHIP OG WET BULB WIND-SPD TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 09 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.3 2 SQUARE 66
LONG 047 54 W HOUR 01.4 AREA 05 CLOUD T/A CL/TR WEATHER ORIG A2 051 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.98	33.11	26.48	00.000	1455.6							
01.4	OBS	00000	01.94	33.11	26.48		1455.6							
	STD	00010	02.11	33.16	26.51	00.015	1456.4							
	OBS	00010	02.11	33.16	26.51		1456.4							
	STD	00020	02.20	33.19	26.53	00.031	1457.0							
	OBS	00020	02.20	33.19	26.53		1457.0							
	STD	00030	02.22	33.24	26.57	00.046	1457.3							
	OBS	00030	02.22	33.24	26.57		1457.3							
	OBS	00040	02.26	33.26	26.58		1457.7							
	STD	00050	02.41	33.30	26.60	00.075	1458.6							
	OBS	00050	02.41	33.30	26.60		1458.6							
	OBS	00070	- 1.03	33.08	26.62		1443.0							
	STD	00075	- 1.09	33.19	25.72	00.110	1442.9							
	OBS	00080	- 1.12	33.28	26.79		1443.0							
	OBS	00090	- 1.05	33.36	26.85		1443.6							
	STD	00100	- 0.98	33.40	26.88	00.141	1444.2							
	OBS	00100	- 0.96	33.40	26.88		1444.2							
	OBS	00115	- 0.80	33.56	27.00		1445.5							

REFID 31 8280 YEAR 1971 BOTDP 00168 AIR TEMP 03.1 DIR MGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1306
CONSEC 0002 MONTH 11 SHIP OG WET BULB 03.1 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 09 DATA USE 1 BAROMETR 1015.3 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 047 44 W HOUR 04.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG A2 051 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.96	33.05	26.35	00.000	1459.9							
04.9	OBS	00000	02.96	33.05	26.35		1459.9							
	OBS	00005	02.97	33.05	26.36		1459.9							
	STD	00010	02.65	33.02	26.36	00.017	1458.6							
	OBS	00010	02.65	33.02	26.36		1458.6							
	OBS	00018	02.33	33.12	26.46		1457.4							
	STD	00020	02.55	33.32	26.61	00.032	1458.7							
	OBS	00020	02.55	33.32	26.61		1458.7							
	OBS	00028	02.90	33.37	26.62		1460.4							
	STD	00030	02.75	33.36	26.62	00.047	1459.8							
	OBS	00030	02.75	33.36	26.62		1459.8							
	STD	00050	- 0.20	33.14	26.64	00.075	1446.6							
	OBS	00050	- 0.20	33.14	26.64		1446.6							
	OBS	00060	- 0.93	33.27	26.77		1443.6							
	OBS	00070	- 0.96	33.33	26.82		1443.6							
	STD	00075	- 0.96	33.33	26.82	00.108	1443.8							
	OBS	00080	- 0.95	33.36	26.84		1443.9							
	OBS	00090	- 0.94	33.47	26.93		1444.3							
	STD	00100	- 0.87	33.54	26.99	00.137	1444.9							
	OBS	00100	- 0.87	33.54	26.99		1444.9							
	STD	00125	- 0.37	33.70	27.10	00.162	1447.8							
	OBS	00125	- 0.37	33.70	27.10		1447.8							
	OBS	00145	- 0.08	33.73	27.11		1449.6							

REFID 31 8280 YEAR 1971 BOTDP 00220 AIR TEMP 02.5 DIR MGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1306
CONSEC 0003 MONTH 11 SHIP OG WET BULB 02.5 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 09 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 03.1 2 SQUARE 66
LONG 047 30 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG A2 051 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.05	33.16	26.52	00.000	1456.0							
05.9	OBS	00000	02.05	33.16	26.52		1456.0							
	OBS	00005	02.04	33.16	26.52		1456.0							
	STD	00010	02.09	33.20	26.55	00.015	1456.4							
	OBS	00010	02.09	33.20	26.55		1456.4							
	OBS	00015	02.49	33.30	26.60		1458.3							
	STD	00020	02.53	33.38	26.66	00.030	1458.7							
	OBS	00020	02.53	33.38	26.66		1458.7							
	STD	00030	02.64	33.54	26.77	00.043	1459.6							
	OBS	00030	02.64	33.54	26.77		1459.6							
	OBS	00040		33.54										
	STD	00050	01.17	33.21	26.62 *	00.070	1452.9							
	OBS	00050	01.17	33.21	26.62		1452.9							
	STD	00075	- 0.78	33.32	26.81	00.104	1444.6							
	OBS	00075	- 0.78	33.32	26.81		1444.6							
	STD	00100	- 0.69	33.65	27.07	00.132	1445.9							
	OBS	00100	- 0.69	33.65	27.07		1445.9							
	STD	00125	- 0.30	33.82	27.19	00.155	1448.3							
	OBS	00125	- 0.30	33.82	27.19		1448.3							
	STD	00150	00.26	33.95	27.27	00.176	1451.5							
	OBS	00150	00.26	33.95	27.27		1451.5							
	OBS	00175	01.13	34.09	27.33		1456.0							
	OBS	00195	01.30	34.15	27.36		1457.2							

TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

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REFID  31  8280     YEAR 1971     BOTDP 00896     AIR TEMP   03.7     DIR HGT PER      #IND-DIR 15     INST STD RECORDER      TEN SQ 1306
CONSEC     0004     MONTH  11     SHIP DG         WET BULB   03.4      03  2   3       #IND-SPD 15     TRACE DIR          0   5 SQUARE   4
LAT    47 00  N     DAY    09     DATA USE  1     BAROMETR 1016.5      SEA              #IND-FOR        DURATION       00.1   2 SQUARE  66
LONG  047 14  W     HOUR 07.7     AREA      05    CLOUD T/A            CL/TR            WEATHER  X4     ORIG  AZ 051           1 SQUARE  77

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP     SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

               STD      00000    06.31    33.60    26.43    00.000    1474.5
        07.7   OBS      00000    06.31    33.60    26.43              1474.5
               STD      00010    06.31    33.60    26.43    00.016    1474.6
               OBS      00010    06.31    33.60    26.43              1474.6
               STD      00020    06.30    33.59    26.42    00.032    1474.7
               OBS      00020    06.30    33.59    26.42              1474.7
               STD      00030    05.87    33.68    26.55    00.048    1473.3
               OBS      00030    05.87    33.68    26.55              1473.3
               STD      00050    05.26    33.69    26.63    00.077    1471.2
               OBS      00050    05.26    33.69    26.63              1471.2
               STD      00075    02.55    33.71    26.92    00.109    1460.1
               OBS      00075    02.55    33.71    26.92              1460.1
               STD      00100    02.11    34.41    27.51    00.131    1459.6
               OBS      00100    02.11    34.41    27.51              1459.6
               STD      00125    02.90    34.55    27.56    00.145    1463.6
               OBS      00125    02.90    34.55    27.56              1463.6
               STD      00150    03.05    34.59    27.58    00.159    1464.7
               OBS      00150    03.05    34.59    27.58              1464.7
               OBS      00175    03.20    34.64    27.60              1465.9
               STD      00200    03.43    34.70    27.63    00.184    1467.5
               OBS      00200    03.43    34.70    27.63              1467.5
               STD      00250    03.79    34.75    27.63    00.209    1469.8
               OBS      00250    03.79    34.75    27.63              1469.8
               STD      00300    03.82    34.78    27.65    00.233    1470.7
               OBS      00300    03.82    34.78    27.65              1470.7
               STD      00400    03.84    34.81    27.67    00.280    1472.5
               OBS      00400    03.84    34.81    27.67              1472.5
               STD      00500    03.80    34.82    27.69    00.327    1474.0
               OBS      00500    03.80    34.82    27.69              1474.0
               STD      00600    03.77    34.83    27.70    00.373    1475.6
               OBS      00600    03.77    34.83    27.70              1475.6
               STD      00700    03.74    34.84    27.71    00.419    1477.1
               OBS      00700    03.74    34.84    27.71              1477.1
               STD      00800    03.74    34.85    27.72    00.465    1478.8
               OBS      00800    03.74    34.85    27.72              1478.8
               OBS      00850    03.75    34.85    27.71              1479.7
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REFID  31  8230     YEAR 1971     BOTDP 01097     AIR TEMP   07.0     DIR HGT PER      #IND-DIR 14     INST STD RECORDER      TEN SQ 1306
CONSEC     0005     MONTH  11     SHIP DG         WET BULB   06.6      03  1   3       #IND-SPD 21     TRACE DIR          0   5 SQUARE   4
LAT    47 00  N     DAY    09     DATA USE  1     BAROMETR 1015.0      SEA              #IND-FOR        DURATION       00.4   2 SQUARE  66
LONG  046 59  W     HOUR 09.7     AREA      05    CLOUD T/A            CL/TR            WEATHER  X1     ORIG  AZ 051           1 SQUARE  76

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP     SAL     SIGMA-T   DYNDPTH   SND VEL   OXYG   PO4   TOT P   NO2   NO3   SIO3   PH

               STD      00000    06.57    33.06    25.97    00.000    1474.8
        09.7   OBS      00000    06.57    33.06    25.97              1474.8
               STD      00010    06.56    33.16    26.05    00.020    1475.1
               OBS      00010    06.56    33.16    26.05              1475.1
               OBS      00015    06.42    33.19    26.09              1474.6
               STD      00020    06.40    33.22    26.12    00.039    1474.7
               OBS      00020    06.40    33.22    26.12              1474.7
               STD      00030    06.28    33.31    26.21    00.059    1474.5
               OBS      00030    06.28    33.31    26.21              1474.5
               STD      00050    04.27    33.81    26.83    00.089    1467.2
               OBS      00050    04.27    33.81    26.83              1467.2
               STD      00075    03.47    34.44    27.42    00.112    1465.1
               OBS      00075    03.47    34.44    27.42              1465.1
               STD      00100    04.28    34.60    27.46    00.129    1469.1
               OBS      00100    04.28    34.60    27.46              1469.1
               STD      00125    03.75    34.53    27.46    00.145    1467.2
               OBS      00125    03.75    34.53    27.46              1467.2
               STD      00150    03.09    34.60    27.58    00.160    1464.9
               OBS      00150    03.09    34.60    27.58              1464.9
               OBS      00175    03.42    34.69    27.62              1466.9
               STD      00200    03.55    34.71    27.62    00.185    1467.9
               OBS      00200    03.55    34.71    27.62              1467.9
               STD      00250    04.09    34.82    27.66    00.209    1471.1
               OBS      00250    04.09    34.82    27.66              1471.1
               STD      00300    04.37    34.86    27.66    00.233    1473.2
               OBS      00300    04.37    34.86    27.66              1473.2
               STD      00400    04.39    34.91    27.69    00.279    1475.0
               OBS      00400    04.39    34.91    27.69              1475.0
               STD      00500    04.28    34.92    27.71    00.324    1476.2
               OBS      00500    04.28    34.92    27.71              1476.2
               STD      00600    04.25    34.93    27.73    00.368    1477.7
               OBS      00600    04.25    34.93    27.73              1477.7
               STD      00700    04.17    34.93    27.73    00.413    1479.0
               OBS      00700    04.17    34.93    27.73              1479.0
               STD      00800    04.04    34.93    27.75    00.456    1480.2
               OBS      00800    04.04    34.93    27.75              1480.2
               STD      00900    04.00    34.92    27.74    00.501    1481.6
               OBS      00900    04.00    34.92    27.74              1481.6
               STD      01000    03.97    34.93    27.76    00.545    1483.2
               OBS      01000    03.97    34.93    27.76              1483.2
               OBS      01040    03.84    34.93    27.77              1483.3
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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

REFID 31 8280	YEAR 1971	BOTDP 00841	AIR TEMP 09.0	DIR HGT PER	#IND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 11	SHIP DG	#ET BULB 07.8	12 2 2	#IND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 47 03 N	DAY 09	DATA USE 1	BAROMETR 1017.1	SEA	#IND-FOR	DURATION 03.4	2 SQUARE 66
LONG 046 45 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	#EATHER X3	ORIG AZ 057	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.17	32.86	25.73	00.000	1476.9							
11.8	OBS	00000	07.17	32.86	25.73		1476.9							
	STD	00010	07.08	32.93	25.80	00.022	1476.8							
	OBS	00010	07.08	32.93	25.80		1476.8							
	STD	00020	07.06	32.95	25.82	00.044	1476.9							
	OBS	00020	07.06	32.95	25.82		1476.9							
	STD	00030	07.03	33.18	26.00	00.065	1477.3							
	OBS	00030	07.03	33.18	26.00		1477.3							
	STD	00050	06.56	33.69	26.47	00.101	1476.4							
	OBS	00050	06.56	33.69	26.47		1476.4							
	STD	00075	06.75	34.13	26.79	00.137	1478.2							
	OBS	00075	06.75	34.13	26.79		1478.2							
	STD	00100	03.32	34.32	27.33	00.163	1464.7							
	OBS	00100	03.32	34.32	27.33		1464.7							
	STD	00125	04.01	34.61	27.50	00.180	1468.4							
	OBS	00125	04.01	34.61	27.50		1468.4							
	OBS	00130	04.07	34.63	27.51		1468.8							
	OBS	00140	03.90	34.61	27.51		1468.2							
	STD	00150	03.91	34.67	27.55	00.194	1468.5							
	OBS	00150	03.91	34.67	27.55		1468.5							
	OBS	00190	03.88	34.72	27.60		1469.1							
	STD	00200	04.05	34.76	27.61	00.221	1470.0							
	OBS	00200	04.05	34.76	27.61		1470.0							
	OBS	00210	04.18	34.78	27.61		1470.8							
	STD	00250	04.38	34.86	27.66	00.245	1472.4							
	OBS	00250	04.38	34.86	27.66		1472.4							
	OBS	00270	04.19	34.82	27.64		1471.9							
	OBS	00290	04.39	34.88	27.67		1473.1							
	STD	00300	04.34	34.87	27.67	00.269	1473.0							
	OBS	00300	04.34	34.87	27.67		1473.0							
	OBS	00310	04.21	34.84	27.66		1472.6							
	OBS	00365	04.66	34.95	27.70		1475.6							
	STD	00400	04.52	34.92	27.69	00.315	1475.5							
	OBS	00400	04.52	34.92	27.69		1475.5							
	OBS	00420	04.47	34.92	27.69		1475.6							
	OBS	00475	04.50	34.93	27.70		1476.7							
	STD	00500	04.32	34.92	27.71	00.360	1476.3							
	OBS	00500	04.32	34.92	27.71		1476.3							
	OBS	00540	04.31	34.92	27.71		1477.0							
	OBS	00552	04.19	34.90	27.71		1476.6							
	OBS	00572	04.35	34.94	27.72		1477.7							
	OBS	00590	04.23	34.92	27.72		1477.4							
	STD	00600	04.39	34.95	27.73	00.405	1478.3							
	OBS	00600	04.39	34.95	27.73		1478.3							
	STD	00700	04.19	34.94	27.74	00.449	1479.1							
	OBS	00700	04.19	34.94	27.74		1479.1							
	STD	00800	04.06	34.94	27.75	00.492	1480.3							
	OBS	00800	04.06	34.94	27.75		1480.3							

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REFID 31 8280	YEAR 1971	BOTDP 00295	AIR TEMP	DIR HGT PER	#IND-DIR	INST STD RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 11	SHIP DG	WET BULB		#IND-SPD	TRACE DIR 0	5 SQUARE 4
LAT 47 00 N	DAY 09	DATA USE 1	BAROMETR	SEA	#IND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 31 W	HOUR 14.0	AREA 05	CLOUD T/A	CL/TR	#EATHER	ORIG AZ 051	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.49	32.71	25.57	00.000	1478.0							
14.0	OBS	00000	07.49	32.71	25.57		1478.0							
	STD	00010	07.48	32.71	25.57	00.024	1478.1							
	OBS	00010	07.48	32.71	25.57		1478.1							
	STD	00020	07.46	32.71	25.58	00.048	1478.2							
	OBS	00020	07.46	32.71	25.58		1478.2							
	STD	00030	04.60	33.21	26.32	00.069	1467.5							
	STD	00050	01.67	33.92	27.15	00.096	1456.1							
	OBS	00050	01.67	33.92	27.15		1456.1							
	STD	00075	03.22	34.29	27.32	00.117	1463.8							
	OBS	00075	03.22	34.29	27.32		1463.8							
	OBS	00085	03.68	34.42	27.38		1466.1							
	OBS	00090	03.37	34.36	27.36		1464.8							
	STD	00100	03.92	34.56	27.47	00.134	1467.6							
	OBS	00100	03.92	34.56	27.47		1467.6							
	OBS	00105	04.14	34.64	27.51		1468.7							
	OBS	00110	04.04	34.62	27.50		1468.3							
	STD	00125	04.26	34.69	27.53	00.149	1469.6							
	OBS	00125	04.26	34.69	27.53		1469.6							
	OBS	00140	04.14	34.70	27.55		1469.3							
	STD	00150	04.12	34.76	27.60	00.163	1469.5							
	OBS	00150	04.12	34.76	27.60		1469.5							
	OBS	00175	04.32	34.80	27.61		1470.8							
	STD	00200	04.29	34.84	27.65	00.187	1471.2							
	OBS	00200	04.29	34.84	27.65		1471.2							
	OBS	00245	04.29	34.85	27.66		1471.9							
	STD	00250	04.28	34.85	27.66	00.211	1472.0							
	OBS	00270	04.23	34.86	27.67		1472.1							

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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

REFID 31 8280	YEAR 1971	BOTDP 00329	AIR TEMP		DIR HGT PER	WIND-DIR	INST STD RECORDER		TEN SQ 1306
CONSEC 0008	MONTH 11	SHIP DG	WET BULB			WIND-SPD	TRACE DIR	D	5 SQUARE 4
LAT 47 00 N	DAY 09	DATA USE 1	BAROMETR		SEA	WIND-FOR	DURATION	00.1	2 SQUARE 66
LONG 046 00 W	HOUR 16.1	AREA 05	CLOUD T/A		CL/TR	WEATHER	ORIG AZ 051		1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.09	32.74	25.65	00.000	1476.4							
16.1	OBS	00000	07.09	32.74	25.65		1476.4							
	STD	00010	07.09	32.74	25.65	00.023	1476.6							
	OBS	00010	07.09	32.74	25.65		1476.6							
	STD	00020	06.54	32.89	25.84	00.046	1474.8							
	OBS	00020	06.54	32.89	25.84		1474.8							
	STD	00030	06.33	33.24	26.14	00.066	1474.6							
	OBS	00030	06.33	33.24	26.14		1474.6							
	STD	00050	04.59	33.31	26.40	00.102	1467.9							
	OBS	00050	04.59	33.31	26.40		1467.9							
	STD	00075	04.07	33.80	26.78	00.138	1469.3							
	OBS	00075	04.07	33.80	26.78		1469.3							
	STD	00100	05.47	34.15	26.97	00.168	1473.4							
	OBS	00100	05.47	34.15	26.97		1473.4							
	STD	00125	03.03	34.44	27.46	00.190	1464.0							
	OBS	00125	03.03	34.44	27.46		1464.0							
	STD	00150	03.89	34.62	27.52	00.205	1468.4							
	OBS	00150	03.89	34.62	27.52		1468.4							
	OBS	00175	04.25	34.72	27.56		1470.4							
	STD	00200	04.48	34.78	27.58	00.233	1471.9							
	OBS	00200	04.48	34.78	27.58		1471.9							
	STD	00250	04.41	34.86	27.65	00.259	1472.5							
	OBS	00250	04.41	34.86	27.65		1472.5							
	OBS	00275	04.31	34.85	27.66		1472.5							

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REFID 31 8280	YEAR 1971	BOTDP 00292	AIR TEMP		DIR HGT PER	WIND-DIR	INST STD RECORDER		TEN SQ 1306
CONSEC 0009	MONTH 11	SHIP DG	WET BULB			WIND-SPD	TRACE DIR	D	5 SQUARE 4
LAT 47 00 N	DAY 09	DATA USE 1	BAROMETR		SEA	WIND-FOR	DURATION	00.2	2 SQUARE 64
LONG 045 50 W	HOUR 17.9	AREA 05	CLOUD T/A		CL/TR	WEATHER	ORIG AZ 051		1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.51	32.89	25.85	00.000	1474.3							
17.9	OBS	00000	06.51	32.89	25.85		1474.3							
	STD	00010	06.51	32.90	25.85	00.022	1474.5							
	OBS	00010	06.51	32.90	25.85		1474.5							
	STD	00020	06.33	32.93	25.90	00.043	1474.0							
	OBS	00020	06.33	32.93	25.90		1474.0							
	STD	00030	05.07	33.10	26.19	00.063	1469.3							
	OBS	00030	05.07	33.10	26.19		1469.3							
	STD	00050	05.09	33.66	26.63	00.095	1470.4							
	OBS	00050	05.09	33.66	26.63		1470.4							
	STD	00075	05.87	34.02	26.82	00.129	1474.5							
	OBS	00075	05.87	34.02	26.82		1474.5							
	STD	00100	05.90	34.33	27.06	00.157	1475.4							
	OBS	00100	05.90	34.33	27.06		1475.4							
	STD	00125	02.93	34.46	27.48	00.178	1463.6							
	OBS	00125	02.93	34.46	27.48		1463.6							
	STD	00150	03.61	34.60	27.53	00.193	1467.1							
	OBS	00150	03.61	34.60	27.53		1467.1							
	OBS	00175	04.07	34.71	27.57		1469.6							
	STD	00200	04.51	34.79	27.59	00.221	1472.0							
	OBS	00200	04.51	34.79	27.59		1472.0							
	OBS	00245	04.47	34.83	27.62		1472.6							

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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

REFID 31 8280	YEAR 1971	BOTDP 00302	AIR TEMP 03.9	DIR HGT PER	#IND-DIR 17	INST STD RECORDER	TEN SW 1306
CONSEC 0010	MONTH 11	SHIP DG	#ET BULB 03.7	17 4 3	#IND-SPD 24	TRACE DIR 0	5 SQUARE 4
LAT 47 20 N	DAY 09	DATA USE 1	#BAROMETR 1012.5	SEA	#IND-FOR	DURATION 03.1	2 SQUARE 64
LONG 045 50 W	HOUR 20.8	AREA 05	CLOUD T/A	CL/TR	#EATHER X4	ORIG A2 051	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.43	32.95	25.90	00.000	1474.1							
20.8	OBS	00000	06.43	32.95	25.90		1474.1							
	STD	00010	06.43	32.96	25.91	00.021	1474.3							
	OBS	00010	06.43	32.96	25.91		1474.3							
	STD	00020	06.43	32.96	25.91	00.042	1474.4							
	OBS	00020	06.43	32.96	25.91		1474.4							
	OBS	00025	06.34	32.96	25.92		1474.2							
	STD	00030	06.24	33.03	25.99	00.063	1473.9							
	OBS	00030	06.24	33.03	25.99		1473.9							
	STD	00050	00.95	33.62	26.96	00.099	1452.5							
	OBS	00050	00.95	33.62	26.96		1452.5							
	STD	00075	02.04	34.12	27.29	00.118	1456.5							
	OBS	00075	02.04	34.12	27.29		1456.5							
	OBS	00090	03.57	34.34	27.33		1465.6							
	STD	00100	03.04	34.28	27.33	00.137	1463.4							
	OBS	00100	03.04	34.28	27.33		1463.4							
	OBS	00110	02.79	34.24	27.32		1462.5							
	STD	00125	03.43	34.46	27.45	00.155	1466.0							
	OBS	00125	03.48	34.48	27.45		1466.0							
	OBS	00135	04.00	34.54	27.44		1468.5							
	OBS	00140	03.72	34.50	27.44		1467.3							
	OBS	00145	04.03	34.56	27.46		1468.8							
	STD	00150	03.83	34.54	27.46	00.171	1468.0							
	OBS	00150	03.83	34.54	27.46		1468.0							
	OBS	00175	04.48	34.72	27.53		1471.4							
	OBS	00185	04.38	34.69	27.52		1471.1							
	STD	00200	04.73	34.79	27.56	00.201	1472.9							
	OBS	00200	04.73	34.79	27.56		1472.9							
	STD	00250	04.50	34.81	27.60	00.228	1472.8							
	OBS	00250	04.50	34.81	27.60		1472.8							
	OBS	00275	04.47	34.84	27.63		1473.1							

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REFID 31 8280	YEAR 1971	BOTDP 00375	AIR TEMP 04.9	DIR HGT PER	#IND-DIR 17	INST STD RECORDER	TEN SW 1306
CONSEC 0011	MONTH 11	SHIP DG	#ET BULB 03.7	17 4 3	#IND-SPD 24	TRACE DIR 0	5 SQUARE 4
LAT 47 40 N	DAY 09	DATA USE 1	#BAROMETR 1012.5	SEA	#IND-FOR	DURATION 00.2	2 SQUARE 64
LONG 045 50 W	HOUR 23.3	AREA 05	CLOUD T/A	CL/TR	#EATHER X4	ORIG A2 051	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.56	32.90	25.85	00.000	1474.5							
23.3	OBS	00000	06.56	32.90	25.85		1474.5							
	STD	00010	06.54	32.95	25.89	00.021	1474.7							
	OBS	00010	06.54	32.95	25.89		1474.7							
	STD	00020	06.36	33.19	26.10	00.042	1474.5							
	OBS	00020	06.36	33.19	26.10		1474.5							
	STD	00030	06.41	33.24	26.13	00.061	1474.9							
	OBS	00030	06.41	33.24	26.13		1474.9							
	STD	00050	05.85	33.44	26.36	00.096	1473.2							
	OBS	00050	05.85	33.44	26.36		1473.2							
	STD	00075	02.20	34.07	27.23	00.126	1459.1							
	OBS	00075	02.20	34.07	27.23		1459.1							
	STD	00100	02.21	34.37	27.47	00.146	1460.0							
	OBS	00100	02.21	34.37	27.47		1460.0							
	STD	00125	02.79	34.52	27.54	00.161	1463.1							
	OBS	00125	02.79	34.52	27.54		1463.1							
	STD	00150	04.27	34.79	27.61	00.175	1470.2							
	OBS	00150	04.27	34.79	27.61		1470.2							
	STD	00200	04.57	34.85	27.63	00.200	1472.3							
	OBS	00200	04.57	34.85	27.63		1472.3							
	STD	00250	04.55	34.89	27.66	00.224	1473.1							
	OBS	00250	04.55	34.89	27.66		1473.1							
	STD	00300	04.39	34.90	27.69	00.247	1473.3							
	OBS	00300	04.39	34.90	27.69		1473.3							
	OBS	00325	04.37	34.92	27.70		1473.7							

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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

REFID 31 8280	YEAR 1971	BOTDP 00414	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 11	SHIP DG	WET BULB 10.3	12 3 2	WIND-SPD 24	TRACE DIR D	5 SQUARE 4
LAT 48 00 N	DAY 10	DATA USE 1	BAROMETR 1010.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 84
LONG 045 50 W	HOUR 01.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 051	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.77	33.46	26.26	00.000	1476.1							
01.8	OBS	00000	06.77	33.46	26.26		1476.1							
	STD	00010	06.77	33.46	26.26	00.016	1476.3							
	OBS	00010	06.77	33.46	26.26		1476.3							
	STD	00020	06.77	33.46	26.26	00.033	1476.4							
	OBS	00020	06.77	33.46	26.26		1476.4							
	STD	00030	06.77	33.46	26.26	00.053	1476.6							
	OBS	00030	06.77	33.46	26.26		1476.6							
	STD	00050	02.18	34.18	27.32	00.077	1458.8							
	OBS	00050	02.18	34.18	27.32		1458.8							
	STD	00075	02.20	34.39	27.49	00.096	1459.5							
	OBS	00075	02.20	34.39	27.49		1459.5							
	STD	00100	02.75	34.49	27.52	00.111	1462.5							
	OBS	00100	02.75	34.49	27.52		1462.5							
	STD	00125	03.03	34.57	27.56	00.125	1464.2							
	STD	00150	03.35	34.65	27.59	00.138	1466.1							
	OBS	00150	03.35	34.65	27.59		1466.1							
	STD	00200	04.13	34.80	27.64	00.163	1470.4							
	OBS	00200	04.13	34.80	27.64		1470.4							
	STD	00250	04.23	34.84	27.66	00.187	1471.7							
	OBS	00250	04.23	34.84	27.66		1471.7							
	STD	00300	04.38	34.89	27.68	00.210	1473.2							
	OBS	00300	04.38	34.89	27.68		1473.2							
	STD	00400	04.42	34.92	27.70	00.255	1475.1							
	OBS	00400	04.42	34.92	27.70		1475.1							
	STD	00500	04.36	34.92	27.71	00.300	1476.5							
	OBS	00500	04.36	34.92	27.71		1476.5							
	STD	00600	04.23	34.92	27.72	00.345	1477.6							
	OBS	00600	04.23	34.92	27.72		1477.6							
	STD	00700	04.15	34.93	27.74	00.389	1479.0							
	OBS	00700	04.15	34.93	27.74		1479.0							
	STD	00800	04.04	34.92	27.74	00.433	1480.1							
	OBS	00800	04.04	34.92	27.74		1480.1							
	OBS	00865	03.96	34.93	27.76		1480.9							

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REFID 31 8290	YEAR 1971	BOTDP 01008	AIR TEMP	DIR HGT PER	WIND-DIR	INST STD RECORDER	TEN SQ 1306
CONSEC 0013	MONTH 11	SHIP DG	WET BULB		WIND-SPD	TRACE DIR D	5 SQUARE 4
LAT 48 20 N	DAY 10	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 84
LONG 045 50 W	HOUR 04.2	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG A2 051	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.77	33.64	26.40	00.000	1476.4							
04.2	OBS	00000	06.77	33.64	26.40		1476.4							
	STD	00010	06.77	33.64	26.40	00.016	1476.5							
	OBS	00010	06.77	33.64	26.40		1476.5							
	STD	00020	06.77	33.64	26.40	00.033	1476.7							
	OBS	00020	06.77	33.64	26.40		1476.7							
	STD	00030	06.76	33.64	26.40	00.049	1476.8							
	OBS	00030	06.76	33.64	26.40		1476.8							
	STD	00050	05.64	33.84	26.70	00.079	1472.9							
	OBS	00050	05.64	33.84	26.70		1472.9							
	STD	00075	03.61	34.43	27.39	00.105	1465.7							
	OBS	00075	03.61	34.43	27.39		1465.7							
	STD	00100	03.34	34.62	27.57	00.120	1465.2							
	OBS	00100	03.34	34.62	27.57		1465.2							
	STD	00125	03.56	34.73	27.64	00.133	1466.7							
	OBS	00125	03.56	34.73	27.64		1466.7							
	STD	00150	03.90	34.79	27.65	00.144	1466.6							
	OBS	00150	03.90	34.79	27.65		1466.6							
	STD	00200	03.94	34.82	27.67	00.167	1469.7							
	OBS	00200	03.94	34.82	27.67		1469.7							
	STD	00250	03.96	34.85	27.69	00.189	1470.6							
	OBS	00250	03.96	34.85	27.69		1470.6							
	STD	00300	03.92	34.86	27.70	00.211	1471.3							
	OBS	00300	03.92	34.86	27.70		1471.3							
	OBS	00350	03.88	34.86	27.71		1471.9							
	STD	00400	03.85	34.86	27.71	00.254	1472.6							
	OBS	00400	03.85	34.86	27.71		1472.6							
	STD	00500	03.79	34.87	27.73	00.297	1474.0							
	OBS	00500	03.79	34.87	27.73		1474.0							
	STD	00600	03.87	34.89	27.73	00.339	1476.1							
	OBS	00600	03.87	34.89	27.73		1476.1							
	STD	00700	03.92	34.91	27.74	00.382	1478.0							
	OBS	00700	03.92	34.91	27.74		1478.0							
	STD	00800	03.86	34.91	27.75	00.425	1479.4							
	OBS	00800	03.86	34.91	27.75		1479.4							
	STD	00900	03.76	34.91	27.76	00.468	1480.6							
	OBS	00900	03.76	34.91	27.76		1480.6							
	OBS	00950	03.73	34.91	27.76		1481.3							

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TABLE VI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 9–10 November 1971, Prepared from NODC Listing No. 31–8280.—Continued

REFID 31 8280	YEAR 1971	BOTDP 02377	AIR TEMP 10.7	DIR HGT PER	WIND-DIR 17	EAST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 11	SHIP DG	WET BULB 10.3	17 3 4	WIND-SPD 25	TRACE DIR 0	5 SQUARE 4
LAT 48 35 N	DAY 10	DATA USE 1	BAROMETR 1007.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 84
LONG 045 50 W	HOUR 07.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 42 05E	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P/A	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.65	33.63	26.41	00.000	1475.9							
07.0	OBS	00000	06.65	33.63	26.41		1475.9							
	STD	00010	06.65	33.64	26.42	00.015	1476.0							
	OBS	00010	06.65	33.64	26.42		1476.0							
	STD	00020	06.62	33.65	26.43	00.032	1476.1							
	OBS	00020	06.62	33.65	26.43		1476.1							
	STD	00030	06.57	33.66	26.44	00.048	1476.1							
	OBS	00030	06.57	33.66	26.44		1476.1							
	STD	00050	06.48	33.77	26.54	00.080	1476.2							
	OBS	00050	06.46	33.77	26.54		1476.2							
	STD	00075	04.87	34.04	26.95	00.112	1470.4							
	OBS	00075	04.87	34.04	26.95		1470.4							
	STD	00100	04.29	34.12	27.08	00.139	1468.5							
	OBS	00100	04.29	34.12	27.08		1468.5							
	STD	00125	04.92	34.27	27.13	00.164	1471.8							
	OBS	00125	04.92	34.27	27.13		1471.8							
	STD	00150	03.46	34.36	27.35	00.185	1466.2							
	OBS	00150	03.46	34.36	27.35		1466.2							
	OBS	00175	03.39	34.39	27.38		1466.3							
	STD	00200	03.38	34.47	27.45	00.220	1466.8							
	OBS	00200	03.38	34.47	27.45		1466.8							
	STD	00250	03.34	34.56	27.52	00.251	1467.6							
	OBS	00250	03.34	34.56	27.52		1467.6							
	STD	00300	03.36	34.65	27.59	00.279	1468.6							
	OBS	00300	03.36	34.65	27.59		1468.6							
	OBS	00350	03.39	34.70	27.63		1469.6							
	STD	00400	03.45	34.75	27.66	00.329	1470.8							
	OBS	00400	03.45	34.75	27.66		1470.8							
	OBS	00450	03.52	34.80	27.70		1472.0							
	STD	00500	03.64	34.84	27.72	00.374	1473.4							
	OBS	00500	03.64	34.84	27.72		1473.4							
	STD	00600	03.93	34.89	27.73	00.417	1476.3							
	OBS	00600	03.93	34.89	27.73		1476.3							
	STD	00700	03.85	34.92	27.76	00.460	1477.7							
	OBS	00700	03.85	34.92	27.76		1477.7							
	STD	00800	03.71	34.93	27.78	00.500	1478.8							
	OBS	00800	03.71	34.93	27.78		1478.8							
	STD	00900	03.55	34.93	27.80	00.540	1479.8							
	OBS	00900	03.55	34.93	27.80		1479.8							
	STD	01000	03.44	34.93	27.81	00.578	1481.0							
	OBS	01000	03.44	34.93	27.81		1481.0							
	STD	01100	03.38	34.94	27.82	00.616	1482.4							
	OBS	01100	03.38	34.94	27.82		1482.4							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.

REFID 31 2030	YEAR 1972	BOTDP 00135	AIR TEMP 00.8	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 03	SHIP IM	WET BULB 00.0	20 3 2	WIND-SPD 10	TRACE DIR	5 SQUARE 4
LAT 46 59.5N	DAY 20	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION	2 SQUARE 68
LONG 048 00.5W	HOUR 23.7	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 052	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.48	32.91	26.50	00.000	1439.5							
23.7	OBS	00000	- 1.48	32.909	26.50		1439.5							
	STD	00010	- 1.50	32.93	26.51	00.015	1439.6							
	STD	00020	- 1.54	32.95	26.53	00.031	1439.6							
23.7	OBS	00025	- 1.57	32.965	26.54		1439.6							
	STD	00030	- 1.63	32.98	26.56	00.046	1439.4							
23.7	OBS	00049	- 1.76	33.021	26.59		1439.1							
	STD	00050	- 1.76	33.02	26.59	00.075	1439.1							
23.7	OBS	00074	- 1.75	33.026	26.60		1439.6							
	STD	00075	- 1.75	33.03	26.60	00.111	1439.6							
23.7	OBS	00098	- 1.71	33.064	26.63		1440.2							
	STD	00100	- 1.66	33.09	25.64	00.147	1440.5							
23.7	OBS	00108	- 1.38	34.202	26.73		1442.2							

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REFID 31 2030	YEAR 1972	BOTDP 00175	AIR TEMP 00.3	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 03	SHIP IM	WET BULB 00.0	21 3 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 21	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 43 W	HOUR 03.4	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 052	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.54	32.86	26.46	00.000	1439.1							
03.4	OBS	00000	- 1.54	32.858	26.46		1439.1							
	STD	00010	- 1.65	32.96	26.54	00.015	1438.9							
	STD	00020	- 1.73	33.03	26.60	00.030	1438.8							
03.4	OBS	00025	- 1.75	33.060	26.62		1438.8							
	STD	00030	- 1.75	33.07	26.63	00.044	1439.0							
	STD	00050	- 1.73	33.09	26.65	00.073	1439.4							
03.4	OBS	00050	- 1.73	33.087	26.65		1439.4							
03.4	OBS	00074	- 1.72	33.089	26.65		1439.3							
	STD	00075	- 1.72	33.09	26.65	00.108	1439.4							
03.4	OBS	00099	- 1.64	33.115	26.67		1440.4							
	STD	00100	- 1.64	33.12	26.67	00.142	1440.5							
	STD	00125	- 1.56	33.27	26.79	00.175	1441.7							
03.4	OBS	00149	- 1.36	33.535	27.00		1443.4							

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REFID 31 2030	YEAR 1972	BOTDP 00220	AIR TEMP 00.3	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 03	SHIP IM	WET BULB 00.0	21 3 2	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 21	DATA USE 1	BAROMETR 1010.4	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 20 W	HOUR 05.0	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A2 052	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.63	32.87	26.47	00.000	1438.7							
05.0	OBS	00000	- 1.63	32.872	26.47		1438.7							
	STD	00010	- 1.72	32.96	26.54	00.015	1438.6							
	STD	00020	- 1.77	33.02	26.59	00.030	1438.6							
05.0	OBS	00023	- 1.78	33.033	26.60		1438.6							
	STD	00030	- 1.77	33.03	26.60	00.045	1438.8							
05.0	OBS	00047	- 1.75	33.039	26.61		1439.2							
	STD	00050	- 1.71	33.06	26.63	00.073	1439.5							
05.0	OBS	00070	- 1.52	33.193	25.73		1440.9							
	STD	00075	- 1.51	33.20	26.73	00.107	1441.0							
05.0	OBS	00094	- 1.49	33.246	26.77		1441.5							
	STD	00100	- 1.48	33.25	26.77	00.140	1441.6							
	STD	00125	- 1.46	33.31	26.82	00.171	1442.2							
05.0	OBS	00141	- 1.44	33.355	26.86		1442.6							
	STD	00150	- 1.34	33.39	25.48	00.201	1443.3							
05.0	OBS	00183	- 0.76	33.544	25.99		1446.8							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.—Continued

REFID 31 2030	YEAR 1972	BOTDP 00536	AIR TEMP 03.4	DIR HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 03	SHIP IM	WET BULB 02.6	22 3 2	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 21	DATA USE 1	BAROMETR 1013.6	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 14.5W	HOUR 09.3	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG A2 052	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.60	32.45	25.45	00.000	1438.8							
09.3	OBS	00000	- 1.60	32.355	26.45		1438.8							
	STD	00010	- 1.64	32.40	26.49	00.016	1438.9							
	STD	00020	- 1.66	32.47	26.55	00.031	1439.1							
09.3	OBS	00021		32.981										
	STD	00030	- 1.68	33.10	26.65	00.045	1439.3							
09.3	OBS	00042	- 1.68	33.197	26.73		1439.6							
	STD	00050	- 1.66	33.21	26.74	00.072	1439.9							
09.3	OBS	00063	- 1.65	33.227	26.76		1440.2							
	STD	00075	- 1.69	33.25	26.77	00.103	1440.2							
09.3	OBS	00085	- 1.73	33.282	26.80		1440.2							
	STD	00100	- 0.93	33.41	26.89	00.135	1444.5							
	STD	00125	- 0.03	33.59	26.99	00.163	1449.3							
09.3	OBS	00127	00.02	33.600	27.00		1449.5							
	STD	00150	00.07	33.71	27.08	00.189	1450.3							
09.3	OBS	T00174	00.13	33.776	27.13		1451.1							

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REFID 31 2030	YEAR 1972	BOTDP 01097	AIR TEMP -00.3	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 03	SHIP IM	WET BULB -00.3	19 2 4	WIND-SPD 07	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 21	DATA USE 1	BAROMETR 1009.9	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 06 W	HOUR 15.4	AREA 05	CLOUD T/A 5/8	CL/TR	WEATHER X5	ORIG A2 052	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.43	32.92	26.51	00.000	1439.7							
15.4	OBS	00000	- 1.43	32.924	26.51		1439.7							
	STD	00010	- 1.53	33.10	26.65	00.015	1439.7							
	STD	00020	- 1.60	33.23	26.76	00.028	1439.7							
15.4	OBS	00024		33.265										
	STD	00030	- 1.64	33.28	26.80	00.041	1439.7							
15.4	OBS	00046	- 1.67	33.330	26.84		1439.9							
	STD	00050	- 1.67	33.35	26.86	00.065	1440.0							
15.4	OBS	00069	- 1.60	33.432	26.92		1440.8							
	STD	00075	- 1.57	33.44	26.93	00.095	1441.0							
15.4	OBS	00092	- 1.39	33.499	26.97		1442.3							
	STD	00100	- 1.17	33.56	27.01	00.122	1443.5							
	STD	00125	- 0.47	33.75	27.14	00.147	1447.4							
15.4	OBS	00136	- 0.17	33.826	27.19		1449.1							
	STD	00150	00.25	33.94	27.26	00.168	1451.4							
15.4	OBS	00184	01.16	34.172	27.39		1456.4							
	STD	00200	01.49	34.23	27.42	00.206	1458.3							
	STD	00250	02.41	34.41	27.49	00.238	1463.4							
15.4	OBS	00269	02.71	34.470	27.51		1465.1							
	STD	00300	03.15	34.57	27.55	00.288	1467.6							
15.4	OBS	T00349	03.67	34.700	27.60		1470.8							
	STD	00400	03.93	34.79	27.64	00.321	1472.9							
15.4	OBS	00432	04.03	34.821	27.66		1473.9							
	STD	00500	04.08	34.85	27.68	00.369	1475.2							
15.4	OBS	T00507	04.08	34.851	27.68		1475.4							
	STD	00600	04.07	34.87	27.70	00.416	1476.9							
15.4	OBS	T00645	04.06	34.871	27.70		1477.6							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.—Continued

REFID 31 2030	YEAR 1972	BOTDP 00915	AIR TEMP 00.0	DIR HGT PER	#IND-DIR 03	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 03	SHIP IH	WET BULB 00.0	18 2 4	#IND-SPD 21	TRACE DIR	5 SQUARE 4
LAT 46 58.5N	DAY 21	DATA USE 1	BAROMETR 1009.9	SEA	#IND-FOR	DURATION	2 SQUARE 66
LONG 046 44 W	HOUR 19.7	AREA 05	CLOUD T/A 5/8	CL/TR	#EATHER X5	ORIG A2 052	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.64	33.44	26.90	00.000	1444.2							
19.7	OBS	00000	- 0.64	33.439	26.90		1444.2							
	STD	00010	- 0.63	33.50	26.95	00.011	1444.6							
	STD	00020	- 0.56	33.56	26.99	00.022	1445.0							
19.7	OBS	00028	- 0.53	33.606	27.03		1445.4							
	STD	00030	- 0.51	33.62	27.04	00.033	1445.5							
	STD	00050	- 0.19	33.72	27.11	00.053	1447.5							
19.7	OBS	00051	- 0.17	33.726	27.11		1447.6							
	STD	00075	00.43	33.80	27.13	00.077	1450.8							
19.7	OBS	00078	00.53	33.812	27.14		1451.3							
	STD	00100	01.43	33.96	27.20	00.099	1455.8							
19.7	OBS	00101	01.43	33.961	27.20		1456.0							
	STD	00125	01.60	34.06	27.27	00.121	1457.3							
	STD	00150	01.97	34.18	27.34	00.140	1459.5							
19.7	OBS	00150	01.97	34.184	27.34		1459.5							
19.7	OBS	T00199	03.28	34.481	27.47		1466.4							
	STD	00200	03.30	34.49	27.47	00.175	1466.5							
	STD	00250	03.93	34.68	27.56	00.205	1470.3							
19.7	OBS	00294	04.29	34.805	27.62		1472.7							
	STD	00300	04.31	34.81	27.63	00.231	1472.9							
19.7	OBS	T00387	04.44	34.904	27.68		1474.9							
	STD	00400	04.39	34.90	27.69	00.279	1474.9							
19.7	OBS	00479	04.18	34.902	27.71		1475.4							
	STD	00500	04.19	34.91	27.72	00.324	1475.7							
19.7	OBS	00571	04.16	34.922	27.73		1476.9							
	STD	00600	04.17	34.92	27.73	00.366	1477.4							
	STD	00700	04.09	34.91	27.73	00.412	1478.7							
19.7	OBS	T00740	04.09	34.912	27.73		1479.1							

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REFID 31 2030	YEAR 1972	BOTDP 00603	AIR TEMP -01.0	DIR HGT PER	#IND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 03	SHIP IH	WET BULB -01.2	18 3 3	#IND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 21	DATA USE 1	BAROMETR 1010.0	SEA	#IND-FOR	DURATION	2 SQUARE 66
LONG 046 21 W	HOUR 22.9	AREA 05	CLOUD T/A 5/8	CL/TR	#EATHER X5	ORIG A2 052	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.27	33.61	27.02	00.000	1446.1							
22.9	OBS	00000	- 0.27	33.610	27.02		1446.1							
	STD	00010	- 0.27	33.61	27.02	00.010	1446.3							
	STD	00020	- 0.26	33.62	27.03	00.021	1446.5							
22.9	OBS	00024	- 0.25	33.629	27.03		1446.6							
	STD	00030	- 0.24	33.65	27.05	00.031	1446.8							
22.9	OBS	00043	- 0.20	33.679	27.07		1447.3							
	STD	00050	- 0.16	33.68	27.07	00.051	1447.6							
22.9	OBS	00066	- 0.03	33.714	27.09		1448.5							
	STD	00075	00.09	33.75	27.12	00.376	1449.2							
22.9	OBS	00085	00.16	33.793	27.15		1449.8							
	STD	00100	00.14	33.83	27.18	00.099	1450.0							
	STD	00125	00.10	33.93	27.26	00.120	1450.3							
22.9	OBS	00127	00.10	33.945	27.27		1450.4							
	STD	00150	00.67	34.10	27.36	00.140	1453.6							
22.9	OBS	T00169	01.19	34.221	27.43		1456.4							
	STD	00200	02.57	34.44	27.50	00.173	1463.3							
	STD	00250	04.10	34.70	27.56	00.202	1471.0							
22.9	OBS	00257	04.24	34.730	27.57		1471.7							
	STD	00300	04.47	34.84	27.63	00.229	1473.5							
22.9	OBS	00347	04.56	34.912	27.68		1474.8							
	STD	00400	04.46	34.91	27.69	00.277	1475.3							
22.9	OBS	T00442	04.24	34.908	27.71		1475.0							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.—Continued

REFID 31 2030	YEAR 1972	BOTDP 00310	AIR TEMP 00.8	DIR HGT PER	WIND-DIR 03	INST VANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 03	SHIP IM	WET BULB 00.1	21 5 3	WIND-SPD 27	TRACE DIR	5 SQUARE 4
LAT 47 03 N	DAY 22	DATA USE 1	BAROMETR 1009.0	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 11 W	HOUR 00.9	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG A2 052	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.95	34.11	27.11	00.000	1465.5							
00.9	OBS	00000	03.95	34.113	27.11		1465.5							
	STD	00010	03.95	34.12	27.11	00.010	1465.6							
	STD	00020	03.96	34.13	27.12	00.019	1465.8							
	STD	00030	03.96	34.13	27.12	00.029	1466.0							
00.9	OBS	00030	03.96	34.132	27.12		1466.0							
	STD	00050	03.27	34.11	27.17	00.047	1463.4							
00.9	OBS	00056	03.12	34.101	27.18		1462.8							
	STD	00075	02.95	34.10	27.19	00.070	1462.4							
00.9	OBS	00087	02.78	34.092	27.20		1461.9							
	STD	00100	02.63	34.05	27.21	00.092	1460.3							
00.9	OBS	00112	02.25	34.052	27.22		1459.9							
	STD	00125	03.09	34.17	27.24	00.114	1463.9							
	STD	00150	04.31	34.36	27.27	00.135	1469.8							
00.9	OBS	00169	04.87	34.478	27.30		1472.6							
	STD	00200	04.77	34.61	27.41	00.173	1472.9							
00.9	OBS	T00225	04.72	34.670	27.47		1473.1							

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REFID 31 2030	YEAR 1972	BOTDP 00310	AIR TEMP 02.9	DIR HGT PER	WIND-DIR 03	INST VANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 03	SHIP IM	WET BULB 02.7	01 3 5	WIND-SPD 25	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 22	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 02.8	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG A2 052	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000		33.99										
02.8	OBS	00000		33.990										
	STD	00010		34.00										
	STD	00020		34.01										
02.8	OBS	00029	03.04	34.020	27.12		1461.9							
	STD	00030	03.03	34.02	27.12		1461.9							
	STD	00050	02.74	34.05	27.17		1461.0							
02.8	OBS	00053	02.70	34.055	27.18		1460.9							
	STD	00075	02.39	34.04	27.19		1459.9							
	STD	00100	02.04	34.02	27.21		1458.8							
02.8	OBS	00106	01.96	34.018	27.21		1458.5							
	STD	00125	02.67	34.17	27.28		1462.1							
	STD	00150	03.49	34.37	27.36		1466.3							
02.8	OBS	00160	03.78	34.445	27.39		1467.8							
	STD	00200	04.85	34.77	27.53		1473.4							
02.8	OBS	T00214	05.03	34.826	27.56		1474.4							
	STD	00250	05.00	34.84	27.57		1474.7							
02.8	OBS	T00253	04.97	34.838	27.57		1474.8							

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REFID 31 2030	YEAR 1972	BOTDP 00310	AIR TEMP 01.2	DIR HGT PER	WIND-DIR 03	INST VANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 03	SHIP IM	WET BULB 01.0	02 3 3	WIND-SPD 24	TRACE DIR	5 SQUARE 4
LAT 47 25 N	DAY 22	DATA USE 1	BAROMETR 1006.4	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 05.3	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG A2 052	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.74	34.08	27.10	00.000	1464.5							
05.3	OBS	00000	03.74	34.077	27.10		1464.5							
	STD	00010	03.74	34.08	27.11	00.010	1464.7							
	STD	00020	03.75	34.09	27.11	00.019	1464.9							
05.3	OBS	00026	03.75	34.093	27.11		1465.0							
	STD	00030	03.79	34.11	27.12	00.029	1465.3							
05.3	OBS	00048	03.93	34.169	27.15		1466.2							
	STD	00050	03.93	34.17	27.16	00.048	1466.3							
	STD	00075	03.99	34.18	27.16	00.071	1466.9							
05.3	OBS	00075	03.99	34.182	27.16		1466.9							
05.3	OBS	00098		34.218										
	STD	00100	04.30	34.22	27.16	00.094	1468.7							
	STD	00125	04.60	34.28	27.17	00.117	1470.5							
05.3	OBS	00147	04.87	34.320	27.17		1472.0							
	STD	00150	04.76	34.32	27.19	00.140	1471.6							
05.3	OBS	T00198	03.83	34.397	27.35		1468.6							
	STD	00200	03.86	34.40	27.35	00.181	1468.7							
	STD	00250	04.53	34.71	27.52	00.215	1472.8							
05.3	OBS	T00258	04.64	34.777	27.56		1473.5							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.—Continued

REPID 31 2030	YEAR 1972	HDTOP 00384	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 02	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 03	SHIP IH	WET BULB 00.9	02 3 3	WIND-SPD 23	TRACE DIR	5 SQUARE 4
LAT 47 41.7N	DAY 22	DATA USE 1	BAROMETR 1006.3	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 09.4	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG AZ 052	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.56	33.83	27.01	00.000	1459.1							
09.4	OBS	00000	02.56	33.826	27.01		1459.1							
	STD	00010	02.69	33.91	27.06	00.010	1460.0							
	STD	00020	02.84	33.98	27.10	00.020	1460.9							
09.4	OBS	00029	02.98	34.024	27.13		1461.7							
	STD	00030	03.03	34.03	27.13	00.030	1461.8							
	STD	00050	03.37	34.09	27.15	00.049	1463.8							
09.4	OBS	00054	03.42	34.096	27.15		1464.1							
	STD	00075	03.46	34.10	27.15	00.072	1464.6							
09.4	OBS	00083	03.48	34.103	27.15		1464.8							
	STD	00100	02.54	34.13	27.26	00.094	1461.1							
09.4	OBS	00104	02.34	34.169	27.30		1460.4							
	STD	00125	03.56	34.40	27.37	00.113	1466.3							
	STD	00150	04.78	34.64	27.44	00.131	1472.1							
09.4	OBS	00162	05.12	34.722	27.46		1473.8							
	STD	00200	04.77	34.74	27.52	00.162	1473.0							
09.4	OBS	T00216	04.67	34.750	27.54		1472.9							
	STD	00250	04.67	34.78	27.56	00.191	1473.5							
	STD	00300	04.68	34.84	27.61	00.219	1474.4							
09.4	OBS	T00325	04.63	34.885	27.64		1474.9							

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REPID 31 2030	YEAR 1972	HDTOP 00704	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 03	SHIP IH	WET BULB 01.0	15 4 3	WIND-SPD 17	TRACE DIR	5 SQUARE 4
LAT 48 00 N	DAY 22	DATA USE 1	BAROMETR 1006.3	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 12.8	AREA 05	CLOUD T/A 5/8	CL/TR	WEATHER X5	ORIG AZ 052	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.42	33.08	27.08	00.000	1445.5							
12.8	OBS	00000	- 0.42	33.082	27.08		1445.5							
	STD	00010	- 0.25	33.81	27.18	00.009	1446.7							
	STD	00020	- 0.07	33.91	27.25	00.018	1447.8							
12.8	OBS	00027	00.05	33.973	27.30		1448.5							
	STD	00030	00.11	33.99	27.31	00.026	1448.9							
	STD	00050	00.45	34.09	27.37	00.041	1450.9							
12.8	OBS	00050	00.45	34.086	27.37		1450.9							
	STD	00075	00.64	34.15	27.41	00.059	1452.3							
12.8	OBS	00077	00.64	34.159	27.41		1452.5							
12.8	OBS	00099	01.54	34.278	27.45		1457.1							
	STD	00100	01.65	34.29	27.45	00.075	1457.4							
	STD	00125	02.40	34.48	27.50	00.091	1463.5							
12.8	OBS	00149	03.75	34.637	27.54		1467.8							
	STD	00150	03.77	34.64	27.55	00.105	1467.9							
12.8	OBS	00199	04.39	34.835	27.63		1471.5							
	STD	00200	04.39	34.84	27.64	00.131	1471.5							
	STD	00250	04.21	34.84	27.66	00.155	1471.7							
	STD	00300	04.15	34.86	27.68	00.178	1472.2							
12.8	OBS	00300	04.15	34.857	27.68		1472.2							
	STD	00400	04.35	34.90	27.69	00.224	1474.8							
12.8	OBS	T00403	04.35	34.903	27.69		1474.8							
	STD	00500	04.22	34.91	27.71	00.268	1475.9							
12.8	OBS	00507	04.21	34.913	27.72		1476.0							
	STD	00600	04.12	34.92	27.73	00.312	1477.2							
12.8	OBS	T00603	04.12	34.918	27.73		1477.2							

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TABLE VII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 20–22 March 1972, Prepared from NODC Listing No. 31–2030.—Continued

REFID 31 2030	YEAR 1972	BOTDP 00950	AIR TEMP 00.9	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 03	SHIP IH	WET BULB 00.9	17 4 3	WIND-SPD 22	TRACE DIR	5 SQUARE 4
LAT 48 20.8N	DAY 22	DATA USE 1	BAROMETR 1007.0	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 15.4	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG A2 052	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.75	33.72	27.13	00.000	1444.0							
15.4	OBS	00000	- 0.75	33.717	27.13		1444.0							
	STD	00010	- 0.75	33.72	27.13	00.009	1444.2							
	STD	00020	- 0.76	33.72	27.13	00.019	1444.4							
15.4	OBS	00026	- 0.76	33.727	27.13		1444.4							
	STD	00030	- 0.75	33.75	27.15	00.028	1444.6							
15.4	OBS	00048	- 0.73	33.847	27.23		1445.1							
	STD	00050	- 0.65	33.86	27.24	00.046	1445.5							
15.4	OBS	00074	00.29	34.053	27.35		1450.5							
	STD	00075	00.33	34.06	27.35	00.065	1450.7							
15.4	OBS	00096	01.11	34.238	27.45		1454.8							
	STD	00100	01.21	34.26	27.46	00.083	1455.4							
	STD	00125	01.82	34.37	27.50	00.098	1458.7							
15.4	OBS	00144	02.28	34.458	27.54		1461.1							
	STD	00150	02.46	34.49	27.55	00.112	1462.0							
15.4	OBS	T00193	03.46	34.680	27.61		1467.3							
	STD	00200	03.53	34.70	27.62	00.139	1467.7							
	STD	00250	03.91	34.80	27.66	00.163	1470.3							
15.4	OBS	00290	04.09	34.850	27.68		1471.8							
	STD	00300	04.09	34.85	27.68	00.186	1472.0							
15.4	OBS	T00389	04.08	34.874	27.70		1473.4							
	STD	00400	04.08	34.88	27.70	00.231	1473.6							
15.4	OBS	00488	04.08	34.883	27.71		1475.1							
	STD	00500	04.07	34.88	27.71	00.275	1475.3							
15.4	OBS	T00588	04.04	34.883	27.71		1476.6							
	STD	00600	04.04	34.88	27.71	00.320	1476.8							
	STD	00700	04.01	34.90	27.73	00.365	1478.3							
15.4	OBS	00794	04.00	34.907	27.73		1479.9							
	STD	00800	04.00	34.91	27.73	00.410	1480.0							
15.4	OBS	00808	04.00	34.908	27.73		1480.1							

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REFID 31 2030	YEAR 1972	BOTDP 01372	AIR TEMP 00.9	DIR HGT PER	WIND-DIR 33	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 03	SHIP IH	WET BULB 00.9	17 3 4	WIND-SPD 27	TRACE DIR	5 SQUARE 4
LAT 48 35 N	DAY 22	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 50 W	HOUR 18.9	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG A2 052	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.48	33.73	27.13	00.000	1445.3							
18.9	OBS	00000	- 0.48	33.730	27.13		1445.3							
	STD	00010	- 0.03	33.74	27.11	00.010	1447.6							
	STD	00020	00.33	33.75	27.10	00.019	1449.4							
18.9	OBS	00027	00.52	33.767	27.11		1450.4							
	STD	00030	00.60	33.77	27.10	00.029	1450.8							
18.9	OBS	00049	00.84	33.844	27.15		1452.3							
	STD	00050	00.78	33.86	27.16	00.048	1452.1							
	STD	00075	00.32	34.16	27.43	00.067	1450.8							
18.9	OBS	00075	00.32	34.159	27.43		1450.8							
18.9	OBS	00097	01.50											
	STD	00100	01.56	34.28	27.45	00.084	1457.0							
	STD	00125	02.03	34.39	27.50	00.099	1459.6							
18.9	OBS	00145	02.40											
	STD	00150	02.50	34.49	27.54	00.114	1462.2							
18.9	OBS	00192	03.25	34.628	27.59		1466.3							
	STD	00200	03.36	34.65	27.60	00.141	1467.0							
	STD	00250	03.90	34.78	27.64	00.166	1470.3							
18.9	OBS	00269	04.15	34.843	27.67		1472.0							
	STD	00300	04.14	34.85	27.67	00.189	1472.2							
18.9	OBS	T00386	04.11	34.869	27.69		1473.5							
	STD	00400	04.10	34.87	27.69	00.235	1473.7							
18.9	OBS	00489	04.08	34.877	27.70		1475.1							
	STD	00500	04.08	34.88	27.70	00.280	1475.3							
18.9	OBS	T00594	04.09	34.889	27.71		1476.9							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.

REPID 31 8311 YEAR 1972 BOTDP 00135 AIR TEMP 12.1 DIR PGT PER #WIND-DIR 27 INST STD RECORDER TEN SQ 1306
CONSEC 0001 MONTH 08 SHIP IH #ET BULB 11.6 49 2 2 #WIND-SPD 02 TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 05 DATA USE 1 BAROMETR 1010.0 SEA #WIND-FUR DURATION 00.0 2 SQUARE 68
LONG 044 00 W HOUR 19.1 AREA 05 CLOUD T/A CL/TR #WEATHER X4 ORIG A2 055 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.31	31.52	24.52	00.000	1479.6							
19.1	OBS	00000	08.31	31.52	24.52		1479.6							
	STD	00010	07.84	31.50	24.57	00.034	1477.9							
	OBS	00010	07.84	31.50	24.57		1477.9							
	STD	00020	- 0.83	32.95	26.51	00.059	1442.9							
	OBS	00020	- 0.83	32.95	26.51		1442.9							
	STD	00030	- 1.57	33.05	26.61	00.073	1439.8							
	OBS	00030	- 1.57	33.05	26.61		1439.8							
	STD	00050	- 1.71	33.11	26.66	00.101	1439.5							
	OBS	00050	- 1.71	33.11	26.66		1439.5							
	STD	00075	- 1.71	33.15	26.70	00.136	1440.0							
	OBS	00075	- 1.71	33.15	26.70		1440.0							
	STD	00100	- 1.72	33.17	26.71	00.169	1440.4							
	OBS	00100	- 1.72	33.17	26.71		1440.4							
	OBS	00105	- 1.71	33.21	26.74		1440.6							

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REPID 31 8311 YEAR 1972 BOTDP 00174 AIR TEMP 12.1 DIR PGT PER #WIND-DIR 27 INST STD RECORDER TEN SQ 1306
CONSEC 0002 MONTH 08 SHIP IH #ET BULB 11.0 49 2 2 #WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 05 DATA USE 1 BAROMETR 1010.9 SEA #WIND-FUR DURATION 00.0 2 SQUARE 66
LONG 047 44 W HOUR 21.3 AREA 05 CLOUD T/A CL/TR #WEATHER X4 ORIG A2 055 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.36	31.50	24.50	00.000	1479.8							
21.3	OBS	00000	08.36	31.50	24.50		1479.8							
	STD	00010	07.78	31.40	24.50	00.034	1477.6							
	OBS	00010	07.78	31.40	24.50		1477.6							
	STD	00020	- 0.52	32.95	26.50	00.059	1444.4							
	OBS	00020	- 0.52	32.95	26.50		1444.4							
	STD	00030	- 1.50	33.07	26.63	00.074	1440.1							
	OBS	00030	- 1.50	33.07	26.63		1440.1							
	OBS	00035	- 1.63	33.09	26.65		1439.6							
	STD	00050	- 1.69	33.11	26.66	00.102	1439.6							
	OBS	00050	- 1.69	33.11	26.66		1439.6							
	STD	00075	- 1.70	33.17	26.71	00.136	1440.1							
	OBS	00075	- 1.70	33.17	26.71		1440.1							
	STD	00100	- 1.63	33.26	26.78	00.169	1440.9							
	OBS	00100	- 1.63	33.26	26.78		1440.9							
	STD	00125	- 1.48	33.42	26.91	00.199	1442.3							
	OBS	00125	- 1.48	33.42	26.91		1442.3							
	OBS	00128	- 1.47	33.44	26.92		1442.4							

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REPID 31 8311 YEAR 1972 BOTDP 00210 AIR TEMP 09.7 DIR PGT PER #WIND-DIR 27 INST STD RECORDER TEN SQ 1306
CONSEC 0003 MONTH 08 SHIP IH #ET BULB 09.5 49 1 2 #WIND-SPD 33 TRACE DIR D 5 SQUARE 4
LAT 47 00 N DAY 05 DATA USE 1 BAROMETR 1011.5 SEA #WIND-FUR DURATION 00.2 2 SQUARE 66
LONG 047 30 W HOUR 23.3 AREA 05 CLOUD T/A CL/TR #WEATHER X4 ORIG A2 055 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.84	31.59	24.78	00.000	1474.1							
23.0	OBS	00000	06.88	31.59	24.78		1474.1							
	STD	00010	05.49	31.64	24.98	00.031	1468.7							
	OBS	00010	05.49	31.64	24.98		1468.7							
	STD	00020	- 1.12	32.99	26.55	00.053	1441.6							
	OBS	00020	- 1.12	32.99	26.55		1441.6							
	STD	00030	- 1.56	33.10	26.65	00.068	1439.9							
	OBS	00030	- 1.56	33.10	26.65		1439.9							
	OBS	00035	- 1.45	33.10	26.65		1440.5							
	OBS	00038	- 1.64	33.13	26.68		1439.7							
	STD	00050	- 1.68	33.18	26.72	00.095	1439.8							
	OBS	00050	- 1.68	33.18	26.72		1439.8							
	STD	00075	- 1.50	33.30	26.81	00.127	1441.2							
	OBS	00075	- 1.50	33.30	26.81		1441.2							
	STD	00100	- 1.38	33.48	26.95	00.156	1442.4							
	OBS	00100	- 1.38	33.48	26.95		1442.4							
	STD	00125	- 0.80	33.69	27.11	00.182	1445.8							
	OBS	00125	- 0.80	33.69	27.11		1445.8							
	STD	00150	- 0.51	33.77	27.16	00.206	1447.7							
	OBS	00150	- 0.51	33.77	27.16		1447.7							
	OBS	00165	- 0.51	33.81	27.19		1448.0							
	OBS	00175	- 0.40	33.90	27.26		1448.8							
	OBS	00183	- 0.24	33.91	27.26		1449.7							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

REPID 31 8311 YEAR 1972 BOTDP 00384 AIR TEMP 07.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306
CONSEC 0004 MONTH 08 SHIP IH WET BULB 09.0 49 2 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4
LAT 47 00 N DAY 06 DATA USE 1 BAROMETR 1012.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 14 W HOUR 01.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG A2 055 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.37	31.72	24.94	00.000	1472.2							
01.9	OBS	00000	06.37	31.72	24.94		1472.2							
	STD	00010	06.34	31.71	24.94	00.030	1472.3							
	OBS	00010	06.34	31.71	24.94		1472.3							
	STD	00020	00.18	31.69	25.45	00.058	1445.9							
	OBS	00020	00.18	31.69	25.45		1445.9							
	STD	00030	- 1.36	33.36	26.86	00.077	1441.2							
	OBS	00030	- 1.36	33.36	26.86		1441.2							
	STD	00050	- 1.13	33.60	27.04	00.099	1442.9							
	OBS	00050	- 1.13	33.60	27.04		1442.9							
	STD	00075	- 0.84	33.77	27.17	00.123	1444.9							
	OBS	00075	- 0.84	33.77	27.17		1444.9							
	STD	00100	- 0.62	33.90	27.27	00.144	1446.6							
	OBS	00100	- 0.62	33.90	27.27		1446.6							
	STD	00125	- 0.18	33.98	27.31	00.164	1449.1							
	OBS	00125	- 0.18	33.98	27.31		1449.1							
	STD	00150	00.57	34.15	27.41	00.182	1453.2							
	STD	00200	01.87	34.43	27.55	00.213	1460.2							
	OBS	00200	01.87	34.43	27.55		1460.2							
	STD	00250	02.92	34.61	27.60	00.240	1465.8							
	OBS	00250	02.92	34.61	27.60		1465.8							
	OBS	00270	03.10	34.63	27.60		1467.0							
	OBS	00285	02.76	34.60	27.61		1465.7							
	STD	00300	02.92	34.62	27.61	00.265	1466.7							
	OBS	00300	02.92	34.62	27.61		1466.7							
	OBS	00316	03.04	34.64	27.62		1467.5							

REPID 31 8311 YEAR 1972 BOTDP 01116 AIR TEMP 08.5 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1306
CONSEC 0005 MONTH 08 SHIP IH WET BULB 08.2 49 2 2 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4
LAT 47 01 N DAY 06 DATA USE 1 BAROMETR 1011.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 66
LONG 047 00 W HOUR 03.9 AREA 05 CLOUD T/A CL/TR WEATHER X3 ORIG A2 055 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.77	31.70	24.88	00.000	1473.8							
03.9	OBS	00000	06.77	31.70	24.88		1473.8							
	STD	00010	06.48	32.39	25.46	00.028	1473.7							
	OBS	00010	06.48	32.39	25.46		1473.7							
	STD	00020	00.00	33.48	26.90	00.047	1447.5							
	OBS	00020	00.00	33.48	26.90		1447.5							
	STD	00030	- 0.58	33.65	27.06	00.057	1445.2							
	OBS	00030	- 0.58	33.65	27.06		1445.2							
	STD	00050	- 0.55	33.84	27.22	00.076	1446.0							
	OBS	00050	- 0.55	33.84	27.22		1446.0							
	STD	00075	- 0.37	34.02	27.35	00.096	1447.5							
	OBS	00075	- 0.37	34.02	27.35		1447.5							
	STD	00100	00.33	34.13	27.41	00.114	1451.2							
	OBS	00100	00.33	34.13	27.41		1451.2							
	STD	00125	01.09	34.24	27.45	00.130	1455.2							
	OBS	00125	01.09	34.24	27.45		1455.2							
	STD	00150	01.91	34.43	27.54	00.145	1459.6							
	OBS	00150	01.91	34.43	27.54		1459.6							
	STD	00200	02.55	34.58	27.61	00.171	1463.4							
	OBS	00200	02.55	34.58	27.61		1463.4							
	STD	00250	03.27	34.73	27.67	00.195	1467.5							
	OBS	00250	03.27	34.73	27.67		1467.5							
	OBS	00282	03.50	34.75	27.66		1469.1							
	STD	00300	03.44	34.79	27.70	00.218	1469.1							
	OBS	00300	03.44	34.79	27.70		1469.1							
	OBS	00318	03.65	34.81	27.69		1470.4							
	STD	00400	03.87	34.87	27.72	00.260	1472.7							
	OBS	00400	03.87	34.87	27.72		1472.7							
	STD	00500	03.79	34.87	27.73	00.303	1474.0							
	OBS	00500	03.79	34.87	27.73		1474.0							
	STD	00600	03.72	34.88	27.74	00.345	1475.4							
	OBS	00600	03.72	34.88	27.74		1475.4							
	STD	00700	03.73	34.89	27.75	00.387	1477.1							
	OBS	00700	03.73	34.89	27.75		1477.1							
	OBS	00710	03.85	34.91	27.75		1477.8							
	STD	00800	03.87	34.93	27.77	00.429	1479.4							
	OBS	00800	03.87	34.93	27.77		1479.4							
	STD	00900	03.75	34.91	27.76	00.471	1480.6							
	OBS	00900	03.75	34.91	27.76		1480.6							
	STD	01000	03.66	34.90	27.76	00.514	1481.9							
	OBS	01000	03.66	34.90	27.76		1481.9							
	OBS	01032	03.78	34.92	27.77		1482.9							
	OBS	01050	03.71	34.91	27.77		1482.9							

TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

REFID 31 8311	YEAR 1972	BOTDP 00512	AIR TEMP 09.0	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 08	SHIP IM	WET BULB 08.3	20 2 3	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 46 59 N	DAY 06	DATA USE 1	BAROMETR 1013.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 31.5W	HOUR 10.1	AREA 05	CLOUD T/A 6/5	CL/TR	WEATHER X1	ORIG A2 055	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PH4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.94	32.48	25.33	00.000	1479.4							
10.1	OBS	00000	07.94	32.485	25.33		1479.4							
	STD	00010	06.15	32.85	25.86	00.024	1473.0							
	STD	00020	04.64	33.15	26.28	00.044	1467.4							
	STD	00030	03.42	33.40	26.60	00.060	1462.7							
10.1	OBS	00035	02.92	33.507	26.72		1460.8							
	STD	00050	01.85	33.67	26.94	00.085	1456.6							
10.1	OBS	00064	01.42	33.824	27.09		1455.1							
	STD	00075	01.98	33.96	27.16	00.111	1458.3							
10.1	OBS	00099	02.73	34.176	27.27		1461.9							
	STD	00100	02.73	34.18	27.28	00.132	1462.0							
	STD	00125	02.76	34.30	27.37	00.152	1462.7							
10.1	OBS	00129	02.76	34.313	27.38		1462.8							
	STD	00150	02.78	34.36	27.42	00.169	1463.2							
10.1	OBS	00194	02.81	34.496	27.52		1464.3							
	STD	00200	02.90	34.53	27.53	00.201	1465.1							
	STD	00250	03.95	34.74	27.60	00.228	1470.4							
10.1	OBS	00259	04.09	34.767	27.61		1471.2							
	STD	00300	04.44	34.85	27.64	00.253	1473.4							
10.1	OBS	00389	04.64	34.965	27.69		1476.1							
	STD	00400	04.67	34.96	27.69	00.301	1476.2							
10.1	OBS	T00479	04.24	34.909	27.71		1475.6							

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REFID 31 8311	YEAR 1972	BOTDP 00300	AIR TEMP 09.7	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1306
CONSEC 0007	MONTH 08	SHIP IM	WET BULB 09.1	22 2 2	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 47 00 N	DAY 06	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 11 W	HOUR 12.5	AREA 05	CLOUD T/A 6/4	CL/TR	WEATHER X1	ORIG A2 055	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PH4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.95	32.67	25.47	00.000	1479.7							
12.5	OBS	00000	07.95	32.666	25.47		1479.7							
	STD	00010	07.62	32.73	25.57	00.025	1478.7							
	STD	00020	07.29	32.79	25.66	00.049	1477.6							
12.5	OBS	00025	07.12	32.818	25.71		1477.1							
	STD	00030	06.13	33.11	26.06	00.070	1473.6							
12.5	OBS	00049	02.85	33.791	26.96		1461.1							
	STD	00050	02.65	33.78	26.97	00.101	1460.3							
12.5	OBS	00074	- 0.36	33.693	27.09		1447.0							
	STD	00075	- 0.35	33.70	27.09	00.127	1447.1							
12.5	OBS	00093	- 0.17	33.809	27.17		1448.5							
	STD	00100	- 0.03	33.83	27.19	00.150	1448.9							
	STD	00125	00.90	34.03	27.29	00.171	1454.1							
12.5	OBS	00148	01.61	34.183	27.37		1457.9							
	STD	00150	01.63	34.19	27.37	00.190	1458.0							
	STD	00200	02.48	34.41	27.48	00.223	1462.8							
12.5	OBS	T00202	02.53	34.423	27.49		1463.1							
12.5	OBS	T00246	03.97	34.710	27.58		1470.4							

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REFID 31 8311	YEAR 1972	BOTDP 00283	AIR TEMP 09.7	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0008	MONTH 08	SHIP IM	WET BULB 09.1	25 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 47 01 N	DAY 06	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 54 W	HOUR 13.8	AREA 05	CLOUD T/A 1/2	CL/TR	WEATHER X1	ORIG A2 055	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PH4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.16	32.31	25.17	00.000	1480.0							
13.8	OBS	00000	08.16	32.314	25.17		1480.0							
	STD	00010	08.05	32.50	25.33	00.027	1480.0							
	STD	00020	07.43	32.75	25.61	00.053	1478.1							
13.8	OBS	00024	07.04	32.869	25.76		1476.8							
	STD	00030	05.65	33.17	26.17	00.074	1471.7							
13.8	OBS	00049	02.74	33.824	26.99		1460.7							
	STD	00050	02.71	33.83	27.00	00.103	1460.6							
13.8	OBS	00073	02.29	33.986	27.16		1459.3							
	STD	00075	02.27	33.99	27.17	00.128	1459.3							
13.8	OBS	00098	02.18	34.100	27.26		1459.4							
	STD	00100	02.22	34.11	27.27	00.149	1459.6							
	STD	00125	02.64	34.29	27.37	00.169	1462.1							
13.8	OBS	00147	02.99	34.417	27.44		1464.2							
	STD	00150	03.04	34.43	27.45	00.186	1464.5							
	STD	00200	03.75	34.65	27.55	00.216	1468.6							
13.8	OBS	T00201	03.76	34.650	27.55		1468.7							
	STD	00250	04.23	34.81	27.63	00.242	1471.7							
13.8	OBS	00254	04.26	34.824	27.64		1471.9							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

REFID 31 8311	YEAR 1972	BOTDP 00275	AIR TEMP 10.6	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 08	SHIP IH	WET BULB 09.9	28 3 3	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 47 20 N	DAY 06	DATA USE 1	BAROMETR 1016.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 64
LONG 045 50 W	HOUR 15.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG AZ 055	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.21	32.28	25.27	00.000	1476.3							
15.8	OBS	00000	07.21	32.28	25.27		1476.3							
	STD	00010	07.09	32.25	25.27	00.027	1476.0							
	OBS	00010	07.09	32.25	25.27		1476.0							
	STD	00020	05.95	32.76	25.81	00.052	1472.2							
	OBS	00020	05.95	32.76	25.81		1472.2							
	STD	00030	02.55	33.65	26.87	00.069	1459.3							
	OBS	00030	02.55	33.65	26.87		1459.3							
	OBS	00032	02.79	33.69	26.88		1460.4							
	OBS	00035	02.38	33.70	26.92		1458.7							
	OBS	00036	02.60	33.76	26.95		1459.8							
	OBS	00040	02.38	33.73	26.95		1458.8							
	OBS	00045	02.44	33.75	26.96		1459.2							
	STD	00050	01.20	33.63	26.95	00.092	1453.7							
	OBS	00050	01.20	33.63	26.95		1453.7							
	OBS	00059	00.19	33.64	27.02		1449.2							
	OBS	00065	02.08	33.97	27.16		1458.3							
	STD	00075	02.49	34.01	27.16	00.117	1460.3							
	OBS	00075	02.49	34.01	27.16		1460.3							
	OBS	00080	02.50	34.01	27.16		1460.4							
	STD	00100	02.17	34.06	27.23	00.139	1459.4							
	OBS	00100	02.17	34.06	27.23		1459.4							
	OBS	00120	02.74	34.21	27.30		1462.4							
	STD	00125	02.52	34.24	27.34	00.159	1461.6							
	OBS	00125	02.52	34.24	27.34		1461.6							
	OBS	00128	02.46	34.28	27.38		1461.4							
	STD	00150	02.94	34.42	27.45	00.177	1464.0							
	OBS	00150	02.94	34.42	27.45		1464.0							
	OBS	00164	03.33	34.47	27.45		1466.0							
	OBS	00172	02.63	34.43	27.46		1463.1							
	STD	00200	04.25	34.71	27.55	00.207	1470.3							
	OBS	00200	04.25	34.71	27.55		1470.8							
	OBS	00205	04.40	34.76	27.57		1471.6							

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REFID 31 8311	YEAR 1972	BOTDP 00320	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 25	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 08	SHIP IH	WET BULB 08.8	30 5 3	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 47 39 N	DAY 06	DATA USE 1	BAROMETR 1016.2	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 18.8	AREA 05	CLOUD T/A 0/2	CL/TR	WEATHER X1	ORIG AZ 055	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.79	32.25	25.17	00.000	1478.5							
18.8	OBS	00000	07.79	32.251	25.17		1478.5							
	STD	00010	02.95	32.68	26.07	00.024	1459.4							
	STD	00020	- 0.39	33.00	26.53	00.041	1445.0							
18.8	OBS	00025	- 1.51	33.120	26.67		1440.1							
	STD	00030	- 1.51	33.15	26.69	00.055	1440.2							
	STD	00050	- 1.51	33.28	26.80	00.082	1440.7							
18.8	OBS	00050	- 1.51	33.280	26.80		1440.7							
	STD	00075	- 1.14	33.50	26.96	00.111	1443.2							
18.8	OBS	00075	- 1.14	33.499	26.96		1443.2							
	STD	00100	- 0.28	33.76	27.14	00.136	1447.9							
18.8	OBS	00100	- 0.28	33.760	27.14		1447.9							
	STD	00125	00.28	33.95	27.26	00.158	1451.2							
	STD	00150	01.05	34.13	27.37	00.177	1455.3							
18.8	OBS	00150	01.05	34.133	27.37		1455.3							
	STD	00200	03.29	34.50	27.48	00.211	1466.5							
18.8	OBS	TW0205	03.46	34.528	27.49		1467.3							
	STD	00250	04.47	34.79	27.55	00.240	1472.7							
18.8	OBS	TW0270	04.64	34.885	27.65		1473.8							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

REFID 31 8311	YEAR 1972	BOTDP 00563	AIR TEMP 07.6	DIR PRT PER	#IND-DIR 32	INST STD RECORDER	TEN SQ E306
CONSEC 0011	MONTH 08	SHIP LM	#ET BULB 07.8	32 2 2	#IND-SPD 11	TRACE DIR 0	5 SQUARE 4
LAT 48 00 N	DAY 07	DATA USE 1	BAROMETR 1016.9	SEA	#IND-FLR	DURATION 00.2	2 SQUARE 84
LONG 045 50 W	HOUR 01.4	AREA 05	CLOUD T/A	CL/TR	#WEATHER X4	ORIG A2 055	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.31	32.23	25.22	00.000	1476.6							
01.4	OBS	00000	07.31	32.23	25.22		1476.6							
	STD	00010	06.91	32.18	25.23	00.028	1475.2							
	OBS	00010	06.91	32.18	25.23		1475.2							
	OBS	00016	03.93	32.45	25.75		1463.4							
	STD	00020	02.13	32.58	25.89	00.052	1455.6							
	OBS	00020	02.13	32.58	25.89		1455.6							
	OBS	00022	00.57	32.79	26.32		1449.2							
	OBS	00025	- 0.70	33.09	26.62		1443.8							
	STD	00030	- 1.40	33.15	26.69	00.069	1440.7							
	OBS	00030	- 1.40	33.15	26.69		1440.7							
	STD	00050	- 1.62	33.23	26.76	00.096	1440.1							
	OBS	00050	- 1.62	33.23	26.76		1440.1							
	OBS	00061	- 1.57	33.31	26.82		1440.6							
	STD	00075	- 1.38	33.46	26.94	00.126	1442.0							
	OBS	00075	- 1.38	33.46	26.94		1442.0							
	STD	00100	- 0.54	33.74	27.14	00.152	1446.7							
	OBS	00100	- 0.54	33.74	27.14		1446.7							
	STD	00125	- 0.13	33.90	27.25	00.174	1449.2							
	OBS	00125	- 0.13	33.90	27.25		1449.2							
	OBS	00144	- 0.06	33.96	27.29		1450.0							
	OBS	00145	- 0.05	34.07	27.38		1450.2							
	STD	00150	00.54	34.11	27.38	00.193	1453.0							
	OBS	00150	00.54	34.11	27.38		1453.0							
	OBS	00157	01.06	34.16	27.37		1455.5							
	OBS	00170	01.26	34.15	27.37		1456.6							
	OBS	00174	01.73	34.24	27.41		1458.9							
	OBS	00185	02.10	34.29	27.42		1460.8							
	OBS	00193	01.53	34.24	27.42		1458.3							
	STD	00200	01.59	34.25	27.42	00.227	1458.7							
	OBS	00200	01.59	34.25	27.42		1458.7							
	OBS	00221	02.47	34.49	27.55		1463.3							
	STD	00250	03.81	34.70	27.59	00.257	1469.8							
	OBS	00250	03.81	34.70	27.59		1469.8							
	OBS	00276	04.00	34.75	27.61		1471.1							
	STD	00300	03.82	34.72	27.60	00.284	1470.7							
	OBS	00300	03.82	34.72	27.60		1470.7							
	OBS	00313	03.33	34.70	27.64		1468.8							
	OBS	00340	03.74	34.81	27.68		1471.3							
	OBS	00350	03.86	34.83	27.69		1471.8							
	OBS	00380	03.83	34.83	27.69		1472.2							
	STD	00400	03.96	34.85	27.69	00.332	1473.1							
	OBS	00400	03.96	34.85	27.69		1473.1							
	STD	00500	03.84	34.86	27.71	00.377	1474.2							
	OBS	00500	03.84	34.86	27.71		1474.2							
	OBS	00508	03.84	34.86	27.71		1474.4							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

REFID 31 8311	YEAR 1972	BOTDP 00970	AIR TEMP 07.4	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 08	SHIP 1M	WET BULB 07.3	29 2 2	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 48 20 N	DAY 07	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 84
LONG 045 50 W	HOUR 04.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A2 055	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.75	32.36	25.26	00.000	1478.5							
04.9	OBS	00000	07.75	32.36	25.26		1478.5							
	STD	00010	07.84	32.90	25.67	00.025	1479.7							
	OBS	00010	07.84											
	STD	00020	08.52	33.33	25.91	00.047	1483.1							
	OBS	00020	08.52											
	STD	00030	08.57	33.66	26.16	00.067	1483.8							
	OBS	00030	08.57											
	OBS	00044	08.36	33.95	26.42		1483.7							
	STD	00050	08.39	34.01	26.46	00.102	1483.9							
	OBS	00050	08.39	34.01	26.46		1483.9							
	STD	00075	09.39	34.32	26.54	00.141	1488.5							
	OBS	00075	09.39	34.32	26.54		1488.5							
	STD	00100	02.38	34.45	27.52	00.167	1460.8							
	OBS	00100	02.38	34.45	27.52		1460.8							
	OBS	00110	02.20	34.51	27.59		1460.3							
	STD	00125	02.29	34.53	27.59	00.180	1460.9							
	OBS	00125	02.29	34.53	27.59		1460.9							
	STD	00150	02.85	34.62	27.62	00.193	1463.9							
	OBS	00150	02.85	34.62	27.62		1463.9							
	STD	00200	03.12	34.70	27.66	00.217	1466.0							
	OBS	00200	03.12	34.70	27.66		1466.0							
	STD	00250	03.54	34.79	27.69	00.239	1468.7							
	OBS	00250	03.54	34.79	27.69		1468.7							
	STD	00300	03.62	34.82	27.70	00.261	1470.0							
	OBS	00300	03.62	34.82	27.70		1470.0							
	OBS	00370	04.03	34.89	27.72		1472.9							
	STD	00400	03.96	34.88	27.72	00.304	1473.1							
	OBS	00400	03.96	34.88	27.72		1473.1							
	OBS	00450	03.91	34.87	27.71		1473.7							
	STD	00500	03.99	34.89	27.72	00.347	1474.9							
	OBS	00500	03.99	34.89	27.72		1474.9							
	STD	00600	03.99	34.90	27.73	00.390	1476.6							
	OBS	00600	03.99	34.90	27.73		1476.6							
	OBS	00655	03.72	34.86	27.73		1476.3							
	STD	00700	03.68	34.87	27.74	00.433	1476.9							
	OBS	00700	03.68	34.87	27.74		1476.9							
	STD	00800	03.70	34.88	27.74	00.476	1478.7							
	OBS	00800	03.70	34.88	27.74		1478.7							
	STD	00900	03.81	34.92	27.76	00.519	1480.8							
	OBS	00900	03.81	34.92	27.76		1480.8							
	OBS	00904	03.80	34.92	27.76		1480.9							

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TABLE VIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC SHERMAN, 5–7 August 1972, Prepared from NODC Listing No. 31–8311.—Continued

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TABLE IX.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 31 December 1972–1 January 1973, Prepared from NODC Listing No. 31–8327.

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TABLE IX.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 31 December 1972–1 January 1973, Prepared from NODC Listing No. 31-8327.—Continued

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TABLE IX.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 31 December 1972–1 January 1973, Prepared from NODC Listing No. 31–8327.—Continued

REFID 31 8327	YEAR 1973	BOTDP 01116	AIR TEMP -01.7	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 01	SHIP 3L	WET BULB -01.7	31 3 2	WIND-SPD 23	TRACE DIR D	5 SQUARE 4
LAT 47 02 N	DAY 01	DATA USE 1	BAROMETR 1034.9	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 50 W	HOUR 13.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 056	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.58	33.62	26.92	00.000	1454.5							
13.7	OBS	00000	01.58	33.62	26.92		1454.5							
	STD	00010	01.58	33.61	26.91	00.011	1454.7							
	OBS	00010	01.58	33.61	26.91		1454.7							
	STD	00020	01.58	33.61	26.91	00.023	1454.8							
	OBS	00020	01.58	33.61	26.91		1454.8							
	STD	00030	01.57	33.61	26.91	00.034	1454.9							
	OBS	00030	01.57	33.61	26.91		1454.9							
	OBS	00037	01.54	33.65	26.95		1455.0							
	STD	00050	01.39	33.68	26.98	00.057	1454.6							
	OBS	00050	01.39	33.68	26.98		1454.6							
	OBS	00065	00.71	33.74	27.07		1451.3							
	STD	00075	00.87	33.77	27.09	00.083	1452.8							
	OBS	00075	00.87	33.77	27.09		1452.8							
	STD	00100	00.84	33.80	27.11	00.107	1453.1							
	OBS	00100	00.84	33.80	27.11		1453.1							
	OBS	00115	01.13	33.84	27.13		1454.7							
	STD	00125	01.35	33.96	27.21	00.130	1456.0							
	OBS	00125	01.35	33.96	27.21		1456.0							
	OBS	00134	01.53	34.01	27.24		1457.0							
	OBS	00141	02.67	34.35	27.42		1462.6							
	STD	00150	03.18	34.46	27.46	00.149	1465.1							
	OBS	00150	03.18	34.46	27.46		1465.1							
	STD	00200	04.32	34.78	27.60	00.179	1471.2							
	OBS	00200	04.32	34.78	27.60		1471.2							
	STD	00250	04.34	34.82	27.63	00.203	1472.2							
	OBS	00250	04.34	34.82	27.63		1472.2							
	STD	00300	04.28	34.85	27.66	00.228	1472.8							
	OBS	00300	04.28	34.85	27.66		1472.8							
	OBS	00320	04.32	34.87	27.67		1473.3							
	OBS	00360	04.12	34.86	27.68		1473.1							
	STD	00400	04.04	34.87	27.70	00.274	1473.4							
	OBS	00400	04.04	34.87	27.70		1473.4							
	STD	00500	03.96	34.89	27.72	00.317	1474.8							
	OBS	00500	03.96	34.89	27.72		1474.8							
	STD	00600	03.97	34.91	27.74	00.360	1476.5							
	OBS	00600	03.97	34.91	27.74		1476.5							
	STD	00700	04.03	34.92	27.74	00.403	1478.4							
	OBS	00700	04.03	34.92	27.74		1478.4							
	STD	00800	03.94	34.92	27.75	00.446	1479.7							
	OBS	00800	03.94	34.92	27.75		1479.7							
	STD	00900	03.88	34.91	27.75	00.490	1481.1							
	OBS	00900	03.88	34.91	27.75		1481.1							
	STD	01000	03.68	34.90	27.76	00.533	1481.9							
	OBS	01000	03.68	34.90	27.76		1481.9							
	OBS	01062	03.68	34.90	27.76		1483.0							

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REFID 31 8327	YEAR 1973	BOTDP 00677	AIR TEMP -00.6	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 01	SHIP 3L	WET BULB -00.6	34 5 3	WIND-SPD 18	TRACE DIR D	5 SQUARE 4
LAT 47 00 N	DAY 01	DATA USE 1	BAROMETR 1032.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 34 W	HOUR 16.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A2 056	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.79	33.40	26.73	00.000	1455.1							
16.8	OBS	00000	01.79	33.40	26.73		1455.1							
	STD	00010	01.79	33.40	26.73	00.013	1455.3							
	OBS	00010	01.79	33.40	26.73		1455.3							
	STD	00020	01.78	33.40	26.73	00.026	1455.4							
	OBS	00020	01.78	33.40	26.73		1455.4							
	STD	00030	01.79	33.43	26.75	00.040	1455.7							
	OBS	00030	01.79	33.43	26.75		1455.7							
	STD	00050	01.79	33.66	26.94	00.064	1456.3							
	OBS	00050	01.79	33.66	26.94		1456.3							
	STD	00075	01.80	33.84	27.08	00.090	1457.0							
	OBS	00075	01.80	33.84	27.08		1457.0							
	STD	00100	01.79	34.23	27.39	00.112	1457.9							
	OBS	00100	01.79	34.23	27.39		1457.9							
	OBS	00108	01.79	34.45	27.57		1458.4							
	STD	00125	02.60	34.47	27.52 *	00.128	1462.2							
	OBS	00125		34.47										
	STD	00150	03.47	34.59	27.54	00.142	1466.5							
	OBS	00150	03.47	34.59	27.54		1466.5							
	STD	00200	04.02	34.72	27.58	00.170	1469.9							
	OBS	00200	04.02	34.72	27.58		1469.9							
	OBS	00208	04.13	34.76	27.60		1470.5							
	STD	00250	04.21	34.81	27.63	00.195	1471.6							
	OBS	00250	04.21	34.81	27.63		1471.6							
	STD	00300	04.27	34.86	27.67	00.219	1472.7							
	OBS	00300	04.27	34.86	27.67		1472.7							
	STD	00400	04.39	34.93	27.71	00.264	1475.0							
	OBS	00400	04.39	34.93	27.71		1475.0							
	STD	00500	04.33	34.94	27.72	00.308	1476.4							
	OBS	00500	04.33	34.94	27.72		1476.4							

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TABLE IX.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 31 December 1972–1 January 1973, Prepared from NODC Listing No. 31–8327.—Continued

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REFID  31  8327     YEAR 1973    BOTDP 00329    AIR TEMP  -00.6    DIR HGT PER    WIND-DIR 24    INST STD RECORDER      TEN SQ 1306
CONSEC     0007     MONTH  01    SHIP 3L        WET BULB  -00.6     34  4   3     WIND-SPD 14    TRACE DIR         D    5 SQUARE  4
LAT    47 02.5N     DAY    01    DATA USE  1    BARGMETR 1031.8    SEA            WIND-FOR       DURATION               2 SQUARE 66
LONG  046 14  W     HOUR 18.3    AREA      05   CLOUD T/A          CL/TR          WEATHER  X1    ORIG  A2 056          1 SQUARE 76

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH  SND VEL  OXYG     P34  TOT P   NO2   NO3   SIO3   PH

               STD      00000     02.56
         18.3  OBS      00000     02.56
               OBS      00005     02.56
               STD      00010     02.56
               OBS      00010     02.56
               STD      00020     02.57
               OBS      00020     02.57
               STD      00030     02.56
               OBS      00030     02.56
               STD      00050     02.56
               OBS      00050     02.56
               STD      00075     02.63
               OBS      00075     02.63
               OBS      00088     02.59
               OBS      00094     03.36    34.29     27.31              1464.7
               STD      00100     03.21    34.29     27.32              1464.2
               OBS      00100     03.21    34.29     27.32              1464.2
               OBS      00105     03.22    34.33     27.35              1464.4
               OBS      00109     02.88    34.29     27.35              1462.9
               OBS      00113     03.43    34.45     27.43              1465.6
               STD      00125     03.51    34.48     27.44              1466.1
               OBS      00125     03.51    34.48     27.44              1466.1
               OBS      00136     04.09    34.59     27.47              1468.9
               STD      00150     04.01    34.61     27.50              1468.8
               OBS      00150     04.01    34.61     27.50              1468.8
               OBS      00155     03.94    34.60     27.50              1468.6
               OBS      00159     04.07    34.65     27.52              1469.3
               STD      00200     04.31    34.78     27.60              1471.1
               OBS      00200     04.31    34.78     27.60              1471.1
               STD      00250     04.34    34.82     27.63              1472.1
               OBS      00250     04.34    34.82     27.63              1472.1
               OBS      00276     04.33    34.85     27.65              1472.6

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REFID  31  8327     YEAR 1973    BOTDP 00274    AIR TEMP   00.0    DIR HGT PER    WIND-DIR 23    INST STD RECORDER      TEN SQ 1306
CONSEC     0008     MONTH  01    SHIP 3L        WET BULB   00.0     22  2   2     WIND-SPD 18    TRACE DIR         D    5 SQUARE  4
LAT    47 02  N     DAY    01    DATA USE  1    BARGMETR 1031.8    SEA            WIND-FOR       DURATION               2 SQUARE 64
LONG  045 51.5W     HOUR 20.3    AREA      05   CLOUD T/A          CL/TR          WEATHER  X2    ORIG  A2 056          1 SQUARE 75

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL     SIGMA-T   DYNDPTH  SND VEL  OXYG     P04  TOT P   NO2   NO3   SIO3   PH

               STD      00000     02.51
         20.3  OBS      00000     02.51
               STD      00010     02.51
               OBS      00010     02.51
               STD      00020     02.51
               OBS      00020     02.51
               STD      00030     02.50
               OBS      00030     02.50
               STD      00050     02.50
               OBS      00050     02.50
               OBS      00063     02.71
               STD      00075     02.84    34.12     27.22              1461.9
               OBS      00075     02.84    34.12     27.22              1461.9
               OBS      00083     02.94    34.21     27.28              1462.6
               STD      00100     03.17    34.37     27.39              1464.1
               OBS      00100     03.17    34.37     27.39              1464.1
               STD      00125     03.39    34.45     27.43              1465.6
               OBS      00125     03.39    34.45     27.43              1465.6
               STD      00150     03.64    34.55     27.49              1467.2
               OBS      00150     03.64    34.55     27.49              1467.2
               STD      00200     03.86    34.66     27.55              1469.1
               OBS      00200     03.86    34.66     27.55              1469.1
               STD      00250     04.07    34.81     27.65              1471.0
               OBS      00250     04.07    34.81     27.65              1471.0

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TABLE IX.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 31 December 1972–1 January 1973, Prepared from NODC Listing No. 31–8327.—Continued

REFID 31 8327	YEAR 1973	BOTOP 00311	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 01	SHIP 3L	WET BULB 01.1	36 4 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 4
LAT 47 20 N	DAY 01	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION	2 SQUARE 64
LONG 045 50 W	HOUR 22.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	ORIG A2 056	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.49	33.23	26.54	00.000	1458.0							
22.5	OBS	00000	02.49	33.23	26.54		1458.0							
	STD	00010	02.50	33.23	26.54	00.015	1458.2							
	OBS	00010	02.50	33.23	26.54		1458.2							
	STD	00020	02.50	33.23	26.54	00.030	1458.4							
	OBS	00020	02.50	33.23	26.54		1458.4							
	STD	00030	02.49	33.23	26.54	00.045	1458.5							
	OBS	00030	02.49	33.23	26.54		1458.5							
	STD	00050	02.49	33.22	26.53	00.075	1458.8							
	OBS	00050	02.49	33.22	26.53		1458.8							
	STD	00075	02.50	33.23	26.54	00.113	1459.3							
	OBS	00075	02.50	33.23	26.54		1459.3							
	STD	00100	02.50	33.23	26.54	00.151	1459.7							
	OBS	00100	02.50	33.23	26.54		1459.7							
	OBS	00110	02.58	33.35	26.63		1460.4							
	OBS	00114	02.67	33.70	26.90		1461.3							
	STD	00125	02.75	33.97	27.11	00.182	1462.2							
	OBS	00125	02.75	33.97	27.11		1462.2							
	OBS	00135	03.22	34.43	27.43		1465.0							
	STD	00150	03.51	34.57	27.52	00.201	1466.7							
	OBS	00150	03.51	34.57	27.52		1466.7							
	OBS	00175	03.88	34.69	27.57		1468.8							
	STD	00200	04.18	34.75	27.59	00.229	1470.6							
	OBS	00200	04.18	34.75	27.59		1470.6							
	OBS	00215	04.13	34.76	27.60		1470.6							
	OBS	00228	04.22	34.81	27.63		1471.3							
	STD	00250	04.25	34.84	27.65	00.254	1471.8							
	OBS	00250	04.25	34.84	27.65		1471.8							
	OBS	00282	04.17	34.86	27.68		1472.0							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.

REFID 31 2137	YEAR 1972	BOTDP 04687	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1306
CONSEC 0001	MONTH 09	SHIP HT	WET BULB 15.1	06 3 3	WIND-SPD 10	TRACE DIR	5 SQUARE 1
LAT 43 55 N	DAY 08	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FOR	DURATION	2 SQUARE 22
LONG 043 41 W	HOUR 08.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A3 059	1 SQUARE 33

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NOZ	NO3	SIO3	PH
	STD	00000	17.81	32.93	23.75	00.000	1513.5							
08.5	OBS	00000	17.81	32.927	23.75		1513.5							
	STD	00010	17.85	33.18	23.93	00.041	1514.1							
	STD	00020	17.90	33.44	24.12	00.080	1514.7							
08.5	OBS	00023	17.91	33.515	24.18		1514.8							
	STD	00030	13.84	33.61	25.17	00.113	1502.4							
08.5	OBS	00046	09.34	34.141	26.41		1487.6							
	STD	00050	10.59	34.51	26.49	00.157	1492.7							
08.5	OBS	00068	14.05	35.581	26.64		1506.2							
	STD	00075	13.86	35.57	26.66	00.194	1505.7							
08.5	OBS	00091	13.37	35.530	26.75		1504.3							
	STD	00100	13.21	35.49	26.75	00.228	1503.8							
	STD	00125	12.21	35.31	26.81	00.260	1500.6							
08.5	OBS	00133	11.57	35.197	26.84		1498.4							
	STD	00150	09.57	34.86	26.93	00.291	1491.1							
08.5	OBS	T00183	06.62	34.372	27.00		1479.7							
	STD	00200	07.19	34.51	27.03	00.347	1482.4							
	STD	00250	08.18	34.78	27.09	00.400	1487.4							
08.5	OBS	00268	08.30	34.828	27.11		1488.2							
	STD	00300	07.83	34.79	27.15	00.450	1486.9							
08.5	OBS	00352	07.14	34.749	27.22		1485.0							
	STD	00400	06.56	34.76	27.31	00.540	1483.6							
	STD	00500	05.69	34.81	27.46	00.616	1481.8							
08.5	OBS	T00519	05.57	34.817	27.48		1481.6							
	STD	00600	05.43	34.90	27.56	00.682	1482.5							
08.5	OBS	00680	05.25	34.949	27.63		1483.2							
	STD	00700	05.18	34.95	27.64	00.740	1483.2							
	STD	00800	04.85	34.95	27.68	00.793	1483.6							
08.5	OBS	T00848	04.72	34.956	27.69		1483.8							
08.5	OBS	T01292	04.19	34.965	27.76		1489.0							
	STD	01300	04.18	34.96	27.76		1489.1							
	STD	01400	04.08	34.96	27.77		1490.4							
	STD	01500	03.99	34.96	27.78		1491.7							
	STD	01750	03.77	34.95	27.79		1495.0							
11.2	OBS	01873	03.67	34.950	27.80		1496.6							
	STD	02000	03.59	34.95	27.81		1498.5							
11.2	OBS	T02339	03.37	34.937	27.82		1503.3							
	STD	02500	03.26	34.94	27.83		1505.6							
11.2	OBS	T02794	03.03	34.931	27.85		1509.7							
	STD	03000	02.82	34.93	27.87		1512.3							
11.2	OBS	T03265	02.61	34.920	27.88		1516.0							
11.2	OBS	T03734	02.40	34.899	27.88		1523.3							

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REFID 31 2137	YEAR 1972	BOTDP 04654	AIR TEMP 16.0	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1306
CONSEC 0002	MONTH 09	SHIP HT	WET BULB 15.0	05 5 4	WIND-SPD 15	TRACE DIR	5 SQUARE 1
LAT 43 37 N	DAY 08	DATA USE 1	BAROMETR 1010.7	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 044 38 W	HOUR 17.9	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X1	ORIG A3 059	1 SQUARE 34

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.04	33.24	23.69	00.000	1517.4							
17.9	OBS	00000	19.04	33.240	23.69		1517.4							
	STD	00010	16.65	33.29	24.30	00.039	1510.6							
	STD	00020	14.53	33.33	24.81	00.073	1504.2							
17.9	OBS	00022	14.14	33.344	24.90		1502.9							
	STD	00030	12.27	33.95	25.74	00.100	1497.0							
17.9	OBS	00044	10.54	34.727	26.66		1492.7							
	STD	00050	11.01	34.90	26.71	00.136	1494.7							
17.9	OBS	00066	11.75	35.209	26.82		1498.0							
	STD	00075	11.66	35.27	26.88	00.168	1497.9							
17.9	OBS	00088	11.53	35.283	26.92		1497.6							
	STD	00100	10.18	35.07	26.99	00.197	1492.8							
	STD	00125	07.81	34.70	27.09	00.223	1483.8							
17.9	OBS	00131	07.33	34.629	27.10		1482.0							
	STD	00150	06.10	34.46	27.14	00.248	1477.2							
17.9	OBS	00180	04.74	34.301	27.17		1472.0							
	STD	00200	04.78	34.36	27.22	00.294	1472.5							
	STD	00250	04.86	34.50	27.32	00.336	1473.9							
17.9	OBS	00267	04.88	34.546	27.35		1474.3							
	STD	00300	04.91	34.62	27.41	00.374	1475.1							
17.9	OBS	00355	04.95	34.761	27.51		1476.3							
	STD	00400	05.65	34.95	27.58	00.438	1480.2							
17.9	OBS	00447	05.92	35.053	27.63		1482.2							
	STD	00500	05.42	35.01	27.65	00.492	1481.0							
17.9	OBS	T00534	05.16	34.988	27.67		1480.5							
	STD	00600	04.91	34.98	27.69	00.542	1480.5							
	STD	00700	04.62	34.96	27.71	00.590	1481.0							
17.9	OBS	T00709	04.60	34.963	27.71		1481.0							
	STD	00800	04.47	34.96	27.73	00.637	1482.0							
17.9	OBS	00889	04.36	34.963	27.74		1483.0							
17.9	OBS	T01336	03.99	34.966	27.78		1488.9							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31-2137.—Continued

REFID 31 2137	YEAR 1972	BOTDP 04358	AIR TEMP 16.2	DIR HGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1306
CONSEC 0003	MONTH 09	SHIP HT	WET BULB 16.2	05 5 4	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 43 45 N	DAY 08	DATA USE 1	BAROMETR 1006.1	SEA	WIND-FOR	DURATION	2 SQUARE 24
LONG 044 26 W	HOUR 23.1	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X6	ORIG A3 059	1 SQUARE 34

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.17	34.44	24.57	00.000	1519.2							
23.1	OBS	00000	19.17	34.438	24.57		1519.2							
	STD	00010	17.53	34.32	24.89	00.032	1514.5							
	STD	00020	16.01	34.21	25.16	00.062	1509.9							
23.1	OBS	00027		34.130										
	STD	00030	14.61	34.37	25.59	00.088	1505.9							
	STD	00050	12.19	35.33	26.83	00.125	1499.4							
23.1	OBS	00050	12.19	35.328	26.83		1499.4							
	STD	00075	09.80	34.89	26.92	00.155	1490.7							
23.1	OBS	00076	09.63	34.874	26.94		1490.2							
	STD	00100	09.16	34.93	27.06	00.182	1488.9							
23.1	OBS	00100	09.16	34.933	27.06		1488.9							
	STD	00125	08.08	34.77	27.10	00.207	1485.0							
	STD	00150	07.30	34.66	27.13	00.232	1482.2							
23.1	OBS	00150	07.30	34.659	27.13		1482.2							
	STD	00200	06.64	34.63	27.20	00.279	1480.4							
23.1	OBS	T00200	06.64	34.631	27.20		1480.4							
	STD	00250	06.60	34.75	27.30	00.322	1481.3							
23.1	OBS	00298	06.26	34.805	27.39		1480.8							
	STD	00300	06.21	34.80	27.39	00.361	1480.6							
23.1	OBS	T00395	04.64	34.720	27.52		1475.7							
	STD	00400	04.63	34.73	27.52	00.429	1475.7							
23.1	OBS	00490	04.62	34.868	27.64		1477.3							
	STD	00500	04.66	34.88	27.64	00.486	1477.7							
23.1	OBS	T00583	04.83	34.961	27.69		1479.9							
	STD	00600	04.73	34.95	27.69	00.536	1479.7							
	STD	00700	04.26	34.91	27.71	00.583	1479.4							
23.1	OBS	T00772	04.08	34.900	27.72		1479.8							
	STD	00800	04.10	34.91	27.73	00.629	1480.4							
	STD	00900	04.16	34.94	27.74	00.675	1482.3							
23.1	OBS	T00955	04.18	34.954	27.75		1483.3							
23.1	OBS	T01438	03.85	34.942	27.78		1490.0							

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REFID 31 2137	YEAR 1972	BOTDP 04041	AIR TEMP 16.2	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1306
CONSEC 0004	MONTH 09	SHIP HT	WET BULB 16.0	05 5 4	WIND-SPD 21	TRACE DIR	5 SQUARE 2
LAT 44 01 N	DAY 09	DATA USE 1	BAROMETR 1008.3	SEA	WIND-FOR	DURATION	2 SQUARE 44
LONG 045 55 W	HOUR 04.1	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X6	ORIG A3 059	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.65	34.24	24.30	00.000	1520.3							
04.1	OBS	00000	19.65	34.244	24.30		1520.3							
	STD	00010	12.66	33.82	25.57	00.030	1498.4							
	STD	00020	08.51	33.40	25.97	00.053	1483.1							
04.1	OBS	00025	07.49	33.193	25.95		1479.0							
	STD	00030	09.15	33.82	26.19	00.072	1486.2							
	STD	00050	13.04	35.40	26.71	00.104	1502.3							
04.1	OBS	00050	13.04	35.400	26.71		1502.3							
	STD	00075	11.68	35.26	26.87	00.136	1497.9							
04.1	OBS	00075	11.68	35.264	26.87		1497.9							
	STD	00100	10.15	34.99	26.93	00.166	1492.6							
04.1	OBS	00100	10.15	34.986	26.93		1492.6							
	STD	00125	09.26	34.94	27.05	00.193	1489.7							
	STD	00150	08.92	34.89	27.07	00.219	1488.7							
04.1	OBS	00150	08.92	34.895	27.07		1488.7							
	STD	00200	10.03	35.25	27.16	00.269	1494.1							
04.1	OBS	T00205	10.07	35.273	27.17		1494.4							
	STD	00250	09.31	35.20	27.24	00.315	1492.2							
	STD	00300	08.06	35.07	27.34	00.357	1488.2							
04.1	OBS	00305	07.91	35.056	27.35		1487.7							
	STD	00400	04.13	34.63	27.50	00.429	1473.5							
04.1	OBS	T00405	04.05	34.628	27.51		1473.2							
	STD	00500	05.01	34.92	27.64	00.486	1479.2							
04.1	OBS	00510	05.06	34.943	27.64		1479.6							
	STD	00600	05.05	34.99	27.68	00.537	1481.1							
04.1	OBS	T00610	05.05	34.992	27.68		1481.3							
	STD	00700	04.98	35.01	27.70	00.586	1482.5							
	STD	00800	04.84	35.02	27.73	00.634	1483.6							
04.1	OBS	T00810	04.82	35.022	27.73		1483.7							
	STD	00900	04.57	35.00	27.74	00.680	1484.1							
	STD	01000	04.32	34.97	27.75	00.726	1484.7							
04.1	OBS	T01015	04.29	34.970	27.75		1484.8							
04.1	OBS	T01525	03.72	34.936	27.79		1491.0							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.—Continued

REFID 31 2137	YEAR 1972	BOTDP 03886	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 32	INST NANSEN CAST	TEN SQ 1306
CONSEC 0005	MONTH 09	SHIP HT	WET BULB 14.7	32 3 2	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 44 07 N	DAY 09	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 32 W	HOUR 08.6	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER A6	ORIG A3 059	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.19	32.99	23.95	00.000	1511.7							
08.6	OBS	00000	17.19	32.992	23.95		1511.7							
	STD	00010	16.90	32.97	24.00	00.039	1511.0							
	STD	00020	16.61	32.95	24.06	00.078	1510.2							
08.6	OBS	00024	16.50	32.946	24.08		1509.9							
	STD	00030	13.22	33.34	25.09	00.112	1500.0							
08.6	OBS	00049	06.56	34.175	26.85		1477.0							
	STD	00050	06.53	34.18	26.86	00.153	1476.9							
08.6	OBS	00073	06.24	34.307	27.00		1476.3							
	STD	00075	06.30	34.33	27.00	00.182	1476.6							
08.6	OBS	00098	06.86	34.513	27.08		1479.5							
	STD	00100	06.87	34.52	27.08	00.208	1479.6							
	STD	00125	06.99	34.63	27.15	00.232	1480.6							
08.6	OBS	00146	07.10	34.665	27.16		1481.4							
	STD	00150	06.98	34.66	27.17	00.256	1481.0							
	STD	00200	05.85	34.60	27.27	00.300	1477.2							
08.6	OBS	T00200	05.85	34.597	27.27		1477.2							
	STD	00250	05.82	34.73	27.38	00.339	1478.1							
08.6	OBS	00298	05.80	34.811	27.45		1478.9							
	STD	00300	05.77	34.81	27.45	00.374	1478.8							
08.6	OBS	T00396	04.85	34.817	27.57		1476.7							
	STD	00400	04.85	34.82	27.57	00.437	1476.7							
08.6	OBS	00498	04.85	34.921	27.65		1478.5							
	STD	00500	04.86	34.92	27.65	00.491	1478.6							
08.6	OBS	T00596	05.09	35.007	27.65		1481.2							
	STD	00600	05.08	35.01	27.69	00.540	1481.2							
	STD	00700	04.75	34.98	27.71	00.588	1481.5							
08.6	OBS	T00791	04.52	34.965	27.72		1482.0							
	STD	00800	04.51	34.96	27.72	00.635	1482.1							
	STD	00900	04.37	34.96	27.74	00.682	1483.3							
08.6	OBS	T00991	04.26	34.962	27.75		1484.3							
08.6	OBS	T01490	03.77	34.929	27.78		1490.6							

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REFID 31 2137	YEAR 1972	BOTDP 03882	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1306
CONSEC 0006	MONTH 09	SHIP HT	WET BULB 13.7	05 5 4	WIND-SPD 25	TRACE DIR	5 SQUARE 2
LAT 44 16 N	DAY 09	DATA USE 1	BAROMETR 1011.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 10 W	HOUR 12.5	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X2	ORIG A3 059	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.97	33.10	24.09	00.000	1511.2							
12.5	OBS	00000	16.97	33.102	24.09		1511.2							
	STD	00010	17.74	33.98	24.57	00.036	1514.7							
	STD	00020	18.50	34.41	24.72	00.069	1517.6							
12.5	OBS	00021	18.58	34.435	24.72		1517.8							
	STD	00030	11.67	34.17	26.03	00.095	1495.8							
12.5	OBS	00042	05.45	33.855	26.74		1472.0							
	STD	00050	06.61											
	STD	00075	09.09											
12.5	OBS	00082	09.47											
	STD	00100	09.19											
	STD	00125	08.77											
12.5	OBS	00125	08.77											
	STD	00150	08.13											
	STD	00200	07.08											
12.5	OBS	00247	06.37	34.873	27.43		1480.4							
	STD	00250	06.33	34.87	27.43		1480.3							
	STD	00300	05.87	34.85	27.47		1479.3							
12.5	OBS	T00324	05.79	34.842	27.48		1479.4							
	STD	00400	06.14	34.92	27.50		1482.1							
12.5	OBS	00402	06.15	34.925	27.50		1482.2							
12.5	OBS	T00475	05.25	34.908	27.55		1479.7							
	STD	00500	05.11	34.91	27.61		1479.6							
	STD	00600	04.69	34.91	27.66		1479.5							
12.5	OBS	00619	04.64	34.916	27.67		1479.6							
	STD	00700	04.58	34.94	27.70		1480.7							
12.5	OBS	T00769	04.52	34.951	27.71		1481.7							
12.5	OBS	T01175	04.19	34.958	27.75		1487.1							
14.9	OBS	T01992	03.56	34.946	27.81		1498.2							
	STD	02000	03.55	34.95	27.81		1498.3							
	STD	02500	03.16	34.93	27.84		1505.2							
14.9	OBS	T02523	03.14	34.933	27.84		1505.5							
	STD	03000	02.80	34.93	27.87		1512.3							
14.9	OBS	03050	02.76	34.925	27.87		1512.9							
14.9	OBS	T03491	02.37	34.910	27.89		1519.0							
14.9	OBS	T03598	02.31	34.906	27.89		1520.6							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.—Continued

REFID 31 2137 YEAR 1972 BUTDP 03729 AIR TEMP 16.2 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1306
CONSEC 0007 MONTH 09 SHIP HT WET BULB 14.9 05 3 4 WIND-SPD 25 TRACE DIR 5 SQUARE 2
LAT 44 19 N DAY 09 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 32 W HOUR 18.4 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X4 ORIG A3 059 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.96	33.07	23.85	00.000	1513.8							
18.4	OBS	00000	17.46	33.075	23.85		1511.8							
	STD	00010	11.90	33.03	25.10	00.035	1494.8							
	STD	00020	07.33	32.79	25.81	00.060	1475.0							
18.4	OBS	00024		32.972										
	STD	00030	04.15	33.05	26.24	00.080	1465.4							
18.4	OBS	00048	01.94	33.426	26.74		1456.0							
	STD	00050	02.49	33.53	26.78	00.111	1459.2							
18.4	OBS	00073	06.34	34.320	26.99		1476.7							
	STD	00075	06.24	34.31	27.00	00.140	1476.4							
18.4	OBS	00097	05.62	34.249	27.03		1474.1							
	STD	00100	05.77	34.28	27.03	00.167	1474.9							
	STD	00125	06.82	34.50	27.07	00.192	1479.7							
18.4	OBS	00145	07.35	34.628	27.10		1482.3							
	STD	00150	07.39	34.64	27.10	00.218	1482.6							
18.4	OBS	T00199	07.45	34.747	27.18		1483.7							
	STD	00200	07.42	34.74	27.18	00.266	1483.6							
	STD	00250	06.21	34.65	27.27	00.310	1479.6							
18.4	OBS	00296	05.55	34.627	27.34		1477.8							
	STD	00300	05.55	34.66	27.34	00.351	1477.7							
18.4	OBS	T00393	05.55	34.815	27.48		1479.5							
	STD	00400	05.49	34.82	27.49	00.423	1479.4							
18.4	OBS	00495	04.89	34.869	27.61		1478.5							
	STD	00500	04.88	34.87	27.61	00.482	1478.6							
18.4	OBS	T00592	04.68	34.914	27.67		1479.3							
	STD	00600	04.66	34.91	27.67	00.535	1479.4							
	STD	00700	04.44	34.91	27.69	00.584	1480.1							
18.4	OBS	T00786	04.29	34.912	27.71		1480.3							
	STD	00800	04.28	34.91	27.71	00.633	1481.1							
	STD	00900	04.18	34.92	27.72	00.680	1482.4							
18.4	OBS	T00986	04.11	34.918	27.73		1483.5							
18.4	OBS	T01461	03.84	34.927	27.77		1490.7							

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REFID 31 2137 YEAR 1972 BUTDP 03539 AIR TEMP 16.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1306
CONSEC 0008 MONTH 09 SHIP HT WET BULB 14.6 03 3 4 WIND-SPD 28 TRACE DIR 5 SQUARE 2
LAT 44 23 N DAY 09 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 2 SQUARE 46
LONG 047 54 W HOUR 21.6 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG A3 059 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.11	32.97	23.72	00.000	1514.4							
21.6	OBS	00000	18.11	32.973	23.72		1514.4							
	STD	00010	13.34	32.95	24.76	00.037	1499.6							
	STD	00020	09.33	32.92	25.46	00.066	1485.6							
21.6	OBS	00025	07.61	32.905	25.71		1479.1							
	STD	00030	05.71	33.02	26.05	00.088	1471.8							
21.6	OBS	00049	02.01	33.517	26.81		1457.1							
	STD	00050	02.20	33.56	26.82	00.120	1454.0							
21.6	OBS	00074	05.65	34.262	27.03		1473.9							
	STD	00075	05.72	34.28	27.04	00.149	1474.2							
21.6	OBS	00098	06.86	34.557	27.11		1479.5							
	STD	00100	06.86	34.56	27.11	00.174	1479.6							
	STD	00125	06.85	34.62	27.16	00.198	1480.0							
21.6	OBS	00147	06.84	34.650	27.19		1480.4							
	STD	00150	06.81	34.65	27.19	00.221	1480.3							
	STD	00200	06.26	34.66	27.27	00.264	1479.0							
21.6	OBS	T00201	06.25	34.664	27.28		1478.9							
	STD	00250	05.27	34.66	27.40	00.303	1475.8							
21.6	OBS	00299	04.86	34.656	27.44		1474.9							
	STD	00300	04.87	34.66	27.44	00.339	1475.0							
21.6	OBS	T00397	05.73	34.944	27.56		1480.4							
	STD	00400	05.72	34.95	27.57	00.402	1480.5							
	STD	00500	05.47	35.03	27.67	00.456	1481.2							
21.6	OBS	00500	05.47	35.034	27.67		1481.2							
21.6	OBS	T00598	04.53	34.921	27.69		1478.8							
	STD	00600	04.52	34.92	27.69	00.505	1478.8							
	STD	00700	04.22	34.90	27.71	00.552	1479.2							
21.6	OBS	00794	04.05	34.887	27.71		1480.0							
	STD	00800	04.05	34.89	27.72	00.599	1480.1							
	STD	00900	04.04	34.95	27.76	00.644	1481.9							
21.6	OBS	T00995	04.04	34.992	27.80		1483.5							
21.6	OBS	T01495	03.87	34.976	27.80		1491.1							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.—Continued

REFID 31 2137	YEAR 1972	BOTDP 03292	AIR TEMP 15.2	DIR HGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 09	SHIP HT	WET BULB 14.1	03 5 4	WIND-SPD 23	TRACE DIR	5 SQUARE 2
LAT 44 24 N	DAY 10	DATA USE 1	BAROMETR 1014.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 04 W	HOUR 00.4	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X6	ORIG A3 059	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.08	33.01	23.75	00.000	1514.4							
00.3	OBS	00000	18.08	33.014	23.75		1514.4							
	STD	00010	13.52	32.82	24.63	00.037	1500.1							
	STD	00020	09.51	32.63	25.21	00.068	1485.9							
00.3	OBS	00024	06.08	32.481	25.50		1474.9							
	STD	00030	05.79	32.55	25.67	00.093	1471.5							
	STD	00050	00.57	33.22	26.67	00.131	1450.2							
00.3	OBS	00051	00.48	33.257	26.70		1449.9							
	STD	00075	04.49	34.06	27.01	00.161	1468.9							
00.3	OBS	00079	04.87	34.138	27.03		1470.6							
	STD	00100	05.44	34.31	27.10	00.187	1473.5							
00.3	OBS	00102	05.48	34.329	27.11		1473.8							
	STD	00125	05.05	34.46	27.19	00.210	1475.0							
	STD	00150	05.83	34.54	27.23	00.233	1476.2							
00.3	OBS	00153	05.85	34.547	27.24		1476.4							
	STD	00200	04.92	34.52	27.32	00.274	1473.3							
00.3	OBS	T00205	04.88	34.516	27.33		1473.2							
	STD	00250	05.69	34.76	27.41	00.311	1477.6							
	STD	00300	06.18	34.91	27.48	00.345	1480.6							
00.3	OBS	00307	06.22	34.932	27.49		1480.9							
	STD	00400	05.85	35.01	27.60	00.406	1481.1							
00.3	OBS	T00409	05.81	35.014	27.61		1481.1							
	STD	00500	05.44	34.99	27.64	00.460	1481.1							
00.3	OBS	00512	05.39	34.992	27.64		1481.0							
	STD	00600	04.92	34.99	27.70	00.510	1480.6							
00.3	OBS	T00616	04.85	34.992	27.71		1480.5							
	STD	00700	04.70	34.99	27.72	00.557	1481.3							
	STD	00800	04.52	34.98	27.74	00.603	1482.2							
00.3	OBS	00829	04.47	34.979	27.74		1482.5							
	STD	00900	04.34	34.97	27.75	00.648	1483.1							
	STD	01000	04.18	34.96	27.76	00.693	1484.1							
00.3	OBS	T01041	04.12	34.959	27.76		1484.5							
00.3	OBS	T01581	03.67	34.940	27.79		1491.7							

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REFID 31 2137	YEAR 1972	BOTDP 03023	AIR TEMP 14.8	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 09	SHIP HT	WET BULB 13.6	03 5 4	WIND-SPD 16	TRACE DIR	5 SQUARE 2
LAT 44 27 N	DAY 10	DATA USE 1	BAROMETR 1014.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 21 W	HOUR 03.0	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A3 059	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.99	33.21	23.93	00.000	1514.3							
03.0	OBS	00000	17.99	33.209	23.93		1514.3							
	STD	00010	17.20	33.12	24.05	00.034	1512.0							
	STD	00020	16.41	33.03	24.16	00.078	1509.7							
03.0	OBS	00024	16.09	32.993	24.21		1508.7							
	STD	00030	10.35	33.05	25.39	00.109	1489.6							
03.0	OBS	00047	00.80	33.315	26.73		1451.4							
	STD	00050	01.25	33.42	26.78	00.148	1453.6							
03.0	OBS	00070	03.72	33.964	27.01		1465.4							
	STD	00075	04.19	34.06	27.04	00.177	1467.6							
03.0	OBS	00094	05.47	34.343	27.12		1473.6							
	STD	00100	05.42	34.36	27.14	00.202	1473.5							
	STD	00125	05.27	34.44	27.22	00.225	1473.4							
03.0	OBS	00140	05.24	34.488	27.26		1473.6							
	STD	00150	05.30	34.53	27.29	00.246	1474.1							
03.0	OBS	T00191	05.48	34.695	27.40		1475.7							
	STD	00200	05.50	34.73	27.42	00.283	1476.0							
	STD	00250	05.53	34.85	27.51	00.316	1477.3							
03.0	OBS	00284	05.65	34.884	27.53		1478.2							
	STD	00300	05.17	34.83	27.54	00.340	1476.4							
03.0	OBS	T00376	04.00	34.749	27.61		1472.7							
	STD	00400	04.40	34.83	27.63	00.401	1474.9							
03.0	OBS	00473	05.13	35.002	27.68		1479.3							
	STD	00500	05.10	35.01	27.69	00.450	1479.7							
03.0	OBS	T00565	05.02	35.017	27.71		1480.4							
	STD	00600	04.96	35.02	27.71	00.497	1480.8							
	STD	00700	04.78	35.01	27.73	00.543	1481.7							
03.0	OBS	T00751	04.68	35.007	27.74		1482.1							
	STD	00800	04.54	34.99	27.74	00.589	1482.3							
	STD	00900	04.30	34.97	27.75	00.633	1483.0							
03.0	OBS	T00943	04.21	34.964	27.76		1483.3							
03.0	OBS	T01429	03.74	34.942	27.79		1489.4							
	STD	01500	03.69	34.94	27.79		1490.4							
	STD	01750	03.52	34.94	27.81		1493.9							
	STD	02000	03.35	34.94	27.83		1497.4							
05.4	OBS	02090	03.29	34.945	27.84		1498.7							
	STD	02500	03.01	34.94	27.85		1504.5							
05.4	OBS	T02645	02.92	34.931	27.86		1506.6							
05.4	OBS	02938	02.74	34.929	27.87		1510.9							
	STD	03000	02.69	34.93	27.88		1511.8							
05.4	OBS	T03048	02.64	34.925	27.88		1512.4							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.—Continued

REFID 31 2137	YEAR 1972	BOTDP 02498	AIR TEMP 15.0	DIR HGT PER	#IND-DIR 34	INST NANSEN CAST	TEN SQ 1306
CONSEC 0011	MONTH 09	SHIP HT	WET BULB 13.8	02 3 4	#IND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 44 24 N	DAY 10	DATA USE 1	BAROMETR 1014.7	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 37 W	HOUR 09.4	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X4	ORIG A3 059	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.00	33.11	23.85	00.000	1514.2							
09.4	OBS	00000	18.00	33.110	23.85		1514.2							
	STD	00010	17.72	33.10	23.91	00.040	1513.6							
	STD	00020	17.44	33.09	23.96	00.080	1512.9							
09.4	OBS	00024	17.33	33.082	23.99		1512.6							
	STD	00030	13.01	33.16	24.95	00.115	1499.1							
09.4	OBS	00049	04.23	33.464	26.56		1466.6							
	STD	00050	04.16	33.49	26.59	00.159	1466.3							
09.4	OBS	00073	03.77	33.990	27.03		1465.7							
	STD	00075	04.03	34.04	27.04	00.191	1466.9							
09.4	OBS	00094	06.18	34.463	27.13		1476.7							
	STD	00100	06.14	34.46	27.13	00.216	1476.6							
	STD	00125	05.66	34.47	27.19	00.239	1475.1							
09.4	OBS	00147	05.30	34.478	27.25		1474.0							
	STD	00150	05.24	34.48	27.26	00.261	1473.8							
	STD	00200	04.52	34.53	27.38	00.300	1471.7							
09.4	OBS	T00201	04.51	34.527	27.38		1471.7							
	STD	00250	04.45	34.64	27.47	00.334	1472.4							
09.4	OBS	00299	04.36	34.721	27.55		1472.9							
	STD	00300	04.35	34.72	27.55	00.365	1472.9							
09.4	OBS	T00397	04.11	34.784	27.62		1473.6							
	STD	00400	04.15	34.79	27.63	00.419	1473.8							
	STD	00500	04.85	34.97	27.69	00.469	1478.6							
09.4	OBS	00500	04.85	34.966	27.69		1478.6							
09.4	OBS	T00599	04.57	34.954	27.71		1479.1							
	STD	00600	04.57	34.95	27.71	00.516	1479.1							
	STD	00700	04.53	34.97	27.73	00.561	1480.6							
09.4	OBS	T00795	04.43	34.974	27.74		1481.8							
	STD	00800	04.42	34.97	27.74	00.607	1481.8							
	STD	00900	04.21	34.96	27.76	00.651	1482.6							
09.4	OBS	T00996	04.04	34.953	27.77		1483.4							
09.4	OBS	T01497	03.72	34.945	27.79		1490.5							

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REFID 31 2137	YEAR 1972	BOTDP 01179	AIR TEMP 12.1	DIR HGT PER	#IND-DIR 00	INST NANSEN CAST	TEN SQ 1306
CONSEC 0012	MONTH 09	SHIP HT	WET BULB 11.4	05 2 4	#IND-SPD 00	TRACE DIR	5 SQUARE 2
LAT 44 32 N	DAY 10	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 58 W	HOUR 13.7	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A3 059	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.36	31.77	24.40	00.000	1487.6							
13.7	OBS	00000	10.36	31.775	24.40		1487.6							
	STD	00010	06.75	32.03	25.14	00.032	1474.3							
	STD	00020	03.73	32.31	25.64	00.058	1462.6							
13.7	OBS	00025		32.496										
	STD	00030	01.45	32.67	26.17	00.078	1453.1							
13.7	OBS	00049	- 1.24	33.235	26.75		1441.9							
	STD	00050	- 1.25	33.24	26.76	00.110	1441.9							
13.7	OBS	00074	- 1.28	33.407	26.89		1442.4							
	STD	00075	- 1.27	33.41	26.90	00.141	1442.4							
13.7	OBS	00099	- 1.05	33.547	27.00		1444.0							
	STD	00100	- 1.05	33.55	27.00	00.168	1444.1							
	STD	00125	- 0.82	33.71	27.12	00.193	1445.8							
13.7	OBS	00148	- 0.44	33.947	27.22		1448.1							
	STD	00150	- 0.38	33.86	27.23	00.216	1446.5							
	STD	00200	01.08	34.17	27.40	00.255	1456.3							
13.7	OBS	T00203	01.14	34.188	27.40		1456.8							
	STD	00250	02.32	34.43	27.51	00.287	1463.0							
	STD	00300	03.15	34.61	27.58	00.315	1467.6							
13.7	OBS	00302	03.17	34.615	27.58		1467.8							
	STD	00400	03.54	34.71	27.62	00.367	1471.1							
13.7	OBS	T00401	03.54	34.711	27.62		1471.1							
	STD	00500	03.73	34.76	27.65	00.418	1473.7							
13.7	OBS	00505	03.74	34.767	27.65		1473.8							
	STD	00600	03.88	34.80	27.66	00.467	1476.0							
13.7	OBS	T00604	03.88	34.802	27.66		1476.1							
	STD	00700	03.88	34.83	27.65	00.516	1477.7							
	STD	00800	03.86	34.86	27.71	00.564	1479.3							
13.7	OBS	T00802	03.86	34.856	27.71		1479.3							
	STD	00900	03.82	34.86	27.71	00.611	1480.8							
	STD	01000	03.78	34.87	27.72	00.658	1482.3							
13.7	OBS	T01006	03.78	34.868	27.73		1482.4							
13.7	OBS	T01090	03.82	34.877	27.73		1484.0							

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TABLE X.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC HAMILTON, 8–10 September 1972, Prepared from NODC Listing No. 31–2137.—Continued

REFID 31 2137	YEAR 197.	BOTOM 00508	AIR TEMP 12.3	DIR HGT PER	#IND-DIR 21	INST NANSEN CAST	TEN SQ 1306
CONSEC 0013	MONTH 09	SHIP HT	#ET BULB 11.7	05 3 4	#IND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 44 36 N	DAY 10	DATA USE 1	BAROMETR 1012.6	SEA	#IND-FOR	DURATION	2 SQUARE 48
LONG 049 05 W	HOUR 16.1	AREA 05	CLOUD T/A X/9	CL/TR	#EATHER X4	ORIG A3 059	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.56	31.68	24.45	00.000	1484.5							
16.1	OBS	00000	09.56	31.677	24.45		1484.5							
	STD	00010	05.64	32.35	25.52	00.030	1470.4							
	STD	00020	02.61	32.83	26.21	00.051	1458.3							
16.1	OBS	00025	01.39	32.997	26.43		1453.2							
	STD	00030	00.53	33.02	26.50	00.068	1449.5							
16.1	OBS	00049	- 1.64	33.108	26.66		1439.8							
	STD	00050	- 1.62	33.12	26.67	00.097	1439.9							
16.1	OBS	00074	- 1.44	33.285	26.80		1441.4							
	STD	00075	- 1.45	33.29	26.80	00.130	1441.4							
16.1	OBS	00099	- 1.64	33.305	26.81		1441.0							
	STD	00100	- 1.64	33.37	26.87	00.160	1441.1							
	STD	00125	- 1.30	33.45	26.93	00.184	1443.2							
16.1	OBS	00148	- 1.04	33.526	26.98		1444.9							
	STD	00150	- 1.03	33.53	26.98	00.217	1445.0							
	STD	00200	- 0.70	33.64	27.06	00.269	1447.5							
16.1	OBS	00247	- 0.40	33.854	27.22		1449.9							
	STD	00250	- 0.28	33.86	27.24	00.315	1450.6							
	STD	00300	01.35	34.23	27.43	00.352	1459.3							
16.1	OBS	00302	01.40	34.241	27.43		1459.5							
	STD	00400	02.56	34.49	27.54	00.415	1466.0							
16.1	OBS	T00401	02.57	34.488	27.54		1466.7							
16.1	OBS	T00495	02.63	34.512	27.55		1466.5							

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REFID 31 2137	YEAR 1972	BOTOM 00062	AIR TEMP 12.9	DIR HGT PER	#IND-DIR 16	INST NANSEN CAST	TEN SQ 1306
CONSEC 0014	MONTH 09	SHIP HT	#ET BULB 11.2	07 4 4	#IND-SPD 06	TRACE DIR	5 SQUARE 2
LAT 44 40 N	DAY 10	DATA USE 1	BAROMETR 1010.9	SEA	#IND-FOR	DURATION	2 SQUARE 48
LONG 049 20 W	HOUR 17.8	AREA 05	CLOUD T/A 7/8	CL/TR	#EATHER X2	ORIG A3 059	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.72	31.58	24.19	00.000	1488.6							
17.8	OBS	00000	10.72	31.581	24.19		1488.6							
	STD	00010	05.44	32.33	25.47	00.031	1471.7							
	STD	00020	02.44	32.84	26.23	00.053	1457.6							
17.8	OBS	00025	01.10	33.000	26.46		1451.9							
	STD	00030	00.06	33.01	26.52	00.070	1447.3							
17.8	OBS	00045	- 1.32	33.053	26.61		1441.2							

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.

REFID 31 8257	YEAR 1971	BUTOP 05212	AIR TEMP 16.3	DIR HGT PER	#IND-DIR 29	INST STD RECORDER	TEN SQ 1207
CONSEC 0001	MONTH 03	SHIP DG	WET BULB 15.5	28 5 2	#IND-SPD 23	TRACE DIR 0	5 SQUARE 3
LAT 37 24 N	DAY 07	DATA USE 1	BAROMETR 1030.3	SEA	#IND-FOR	DURATION 00.4	2 SQUARE 60
LONG 050 20 W	HOUR 22.2	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG 44 025	1 SQUARE 70

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.88	36.37	26.61	00.000	1514.8							
22.2	OBS	00000	16.88	36.37	26.61		1514.8							
	STD	00010	16.86	36.37	26.62	00.014	1515.0							
	OBS	00010	16.86	36.37	26.62		1515.0							
	STD	00020	16.88	36.37	26.61	00.028	1515.2							
	OBS	00020	16.88	36.37	26.61		1515.2							
	STD	00030	16.88	36.37	26.61	00.043	1515.3							
	OBS	00030	16.88	36.37	26.61		1515.3							
	STD	00050	16.89	36.37	26.61	00.072	1515.7							
	OBS	00050	16.89	36.37	26.61		1515.7							
	STD	00075	16.90	36.37	26.61	00.108	1516.1							
	OBS	00075	16.90	36.37	26.61		1516.1							
	STD	00100	16.90	36.38	26.61	00.145	1516.6							
	OBS	00100	16.90	36.38	26.61		1516.6							
	STD	00125	16.90	36.38	26.61	00.182	1517.0							
	OBS	00125	16.90	36.38	26.61		1517.0							
	STD	00150	16.91	36.38	26.61	00.219	1517.4							
	OBS	00150	16.91	36.38	26.61		1517.4							
	STD	00200	16.91	36.38	26.61	00.293	1518.2							
	OBS	00200	16.91	36.38	26.61		1518.2							
	STD	00250	16.79	36.34	26.61	00.369	1518.6							
	OBS	00250	16.79	36.34	26.61		1518.6							
	STD	00300	16.34	36.24	26.64	00.445	1518.0							
	OBS	00300	16.34	36.24	26.64		1518.0							
	STD	00400	15.44	36.07	26.72	00.593	1516.6							
	OBS	00400	15.44	36.07	26.72		1516.6							
	OBS	00450	14.78	35.95	26.77		1515.2							
	STD	00500	14.48	35.97	26.85	00.734	1515.1							
	OBS	00500	14.48	35.97	26.85		1515.1							
	STD	00600	13.44	35.80	26.94	00.866	1513.2							
	OBS	00600	13.44	35.80	26.94		1513.2							
	STD	00700	11.96	35.57	27.06	00.990	1509.5							
	OBS	00700	11.96	35.57	27.06		1509.5							
	STD	00800	10.16	35.34	27.21	01.102	1504.6							
	OBS	00800	10.16	35.34	27.21		1504.6							
	STD	00900	08.26	35.16	27.38	01.198	1498.9							
	OBS	00900	08.26	35.16	27.38		1498.9							
	STD	01000	07.12	35.14	27.53	01.278	1496.2							
	OBS	01000	07.12	35.14	27.53		1496.2							
	STD	01100	06.17	35.08	27.61	01.347	1494.0							
	OBS	01100	06.17	35.08	27.61		1494.0							
	STD	01200	05.45	35.06	27.69	01.407	1492.8							
	OBS	01200	05.45	35.06	27.69		1492.8							
	STD	01300	05.01	35.04	27.73	01.462	1492.6							
	OBS	01300	05.01	35.04	27.73		1492.6							
	OBS	01340	05.08	35.06	27.73		1493.6							
	STD	01400	04.98	35.06	27.75	01.515	1494.2							
	OBS	01400	04.98	35.06	27.75		1494.2							
	OBS	01490	04.81	35.07	27.77		1495.0							
	STD	01500	04.77	35.07	27.78	01.566	1495.1							
	OBS	01500	04.77	35.07	27.78		1495.1							
	STD	01750	04.26	35.01	27.79	01.690	1497.1							
	OBS	01750	04.26	35.01	27.79		1497.1							
	OBS	01780	04.18	35.01	27.80		1497.3							
	OBS	01820	04.30	35.04	27.81		1498.5							
	OBS	01840	04.19	35.02	27.80		1498.3							
	OBS	01880	04.30	35.04	27.81		1499.5							
	OBS	01920	04.04	34.99	27.80		1499.0							
	OBS	01930	04.12	35.02	27.81		1499.6							
	STD	02000	03.88	34.98	27.80	01.813	1499.7							
	OBS	02000	03.88	34.98	27.80		1499.7							
	STD	02500	03.52	34.98	27.84	02.053	1506.7							
	OBS	02500	03.52	34.98	27.84		1506.7							
	STD	03000	03.11	34.96	27.86	02.287	1513.6							
	OBS	03000	03.11	34.96	27.86		1513.6							

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REPTD 31 8257	YEAR 1971	BOTDP 05486	AIR TEMP 17.3	DIR HGT PER	#IND-DIR 05	INST STD RECORDER	TEN SQ 1207
CONSEC 0002	MONTH 03	SHIP DG	WET BULB 15.6	SI 5 2	#IND-SPD 12	TRACE DIR 0	5 SQUARE 3
LAT 37 50 N	DAY 08	DATA USE 1	BAROMETR 1030.2	SEA	#IND-FOR	DURATION 00.2	2 SQUARE 60
LONG 050 20 W	HOUR 01.4	AREA 05	CLOUD T/A	CL/TK	#EATHER X1	ORIG A4 025	1 SQUARE 70

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	16.58	36.31	26.64	00.000	1513.9							
01.4	OBS	00000	16.58	36.31	26.64		1513.9							
	STD	00010	16.58	36.31	26.64	00.014	1514.0							
	OBS	00010	16.58	36.31	26.64		1514.0							
	STD	00020	16.58	36.32	26.64	00.028	1514.2							
	OBS	00020	16.58	36.32	26.64		1514.2							
	STD	00030	16.59	36.32	26.64	00.042	1514.4							
	OBS	00030	16.59	36.32	26.64		1514.4							
	STD	00050	16.59	36.32	26.64	00.070	1514.7							
	OBS	00050	16.59	36.32	26.64		1514.7							
	STD	00075	16.59	36.32	26.64	00.106	1515.1							
	OBS	00075	16.59	36.32	26.64		1515.1							
	STD	00100	16.59	36.33	26.65	00.142	1515.6							
	OBS	00100	16.59	36.33	26.65		1515.6							
	STD	00125	16.60	36.33	26.65	00.178	1516.0							
	OBS	00125	16.60	36.33	26.65		1516.0							
	STD	00150	16.60	36.33	26.65	00.214	1516.4							
	OBS	00150	16.60	36.33	26.65		1516.4							
	STD	00200	16.61	36.34	26.65	00.287	1517.3							
	OBS	00200	16.61	36.34	26.65		1517.3							
	STD	00250	16.62	36.34	26.65	00.361	1518.1							
	OBS	00250	16.62	36.34	26.65		1518.1							
	STD	00300	16.63	36.34	26.65	00.435	1519.0							
	OBS	00300	16.63	36.34	26.65		1519.0							
	OBS	00350	16.63	36.33	26.64		1519.8							
	STD	00400	16.11	36.23	26.69	00.585	1518.9							
	OBS	00400	16.11	36.23	26.69		1518.9							
	STD	00500	14.98	36.03	26.79	00.731	1516.8							
	OBS	00500	14.98	36.03	26.79		1516.8							
	STD	00600	14.13	35.88	26.86	00.870	1515.5							
	OBS	00600	14.13	35.88	26.86		1515.5							
	STD	00700	12.92	35.65	26.93	01.005	1512.9							
	OBS	00700	12.92	35.65	26.93		1512.9							
	OBS	00730	12.49	35.64	27.01		1511.9							
	STD	00800	11.57	35.52	27.09	01.130	1509.8							
	OBS	00800	11.57	35.52	27.09		1509.8							
	OBS	00865	09.89	35.20	27.15		1504.5							
	OBS	00880	09.49	35.27	27.27		1503.3							
	STD	00900	09.27	35.25	27.29	01.238	1502.8							
	OBS	00900	09.27	35.25	27.29		1502.8							
	OBS	00960	08.09	35.14	27.39		1499.3							
	OBS	00975	08.22	35.20	27.42		1500.1							
	STD	01000	08.01	35.22	27.46	01.327	1499.7							
	OBS	01000	08.01	35.22	27.46		1499.7							
	STD	01100	06.97	35.14	27.55	01.403	1497.3							
	OBS	01100	06.97	35.14	27.55		1497.3							
	OBS	01130	06.71	35.14	27.59		1496.8							
	OBS	01145	06.69	35.17	27.62		1497.0							
	OBS	01165	06.78	35.20	27.63		1497.7							
	OBS	01190	06.54	35.16	27.63		1497.1							
	STD	01200	06.50	35.18	27.65	01.471	1497.1							
	OBS	01200	06.50	35.18	27.65		1497.1							
	OBS	01225	06.52	35.23	27.69		1497.7							
	OBS	01280	05.92	35.15	27.70		1496.1							
	STD	01300	06.04	35.20	27.73	01.531	1497.0							
	OBS	01300	06.04	35.20	27.73		1497.0							
	STD	01400	05.77	35.17	27.74	01.587	1497.6							
	OBS	01400	05.77	35.17	27.74		1497.6							
	STD	01500	05.40	35.14	27.76	01.641	1497.7							
	OBS	01500	05.40	35.14	27.76		1497.7							

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTOP 05303	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1207
CONSEC 0003	MONTH 03	SHIP DG	WET BULB 16.2	28 5 2	WIND-SPD 25	TRACE DIR 0	5 SQUARE 3
LAT 38 19 N	DAY 08	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 80
LONG 050 20 W	HOUR 04.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 025	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	16.98	36.37	26.59	00.000	1515.1							
04.7	OBS	00000	16.98	36.37	26.59		1515.1							
	STD	00010	16.98	36.37	26.59	00.014	1515.3							
	OBS	00010	16.98	36.37	26.59		1515.3							
	STD	00020	16.99	36.38	26.59	00.029	1515.5							
	OBS	00020	16.99	36.38	26.59		1515.5							
	STD	00030	16.99	36.38	26.59	00.043	1515.7							
	OBS	00030	16.99	36.38	26.59		1515.7							
	STD	00050	16.99	36.38	26.59	00.073	1516.0							
	OBS	00050	16.99	36.38	26.59		1516.0							
	STD	00075	17.00	36.39	26.60	00.110	1516.5							
	OBS	00075	17.00	36.39	26.60		1516.5							
	STD	00100	17.00	36.39	26.60	00.147	1516.9							
	OBS	00100	17.00	36.39	26.60		1516.9							
	STD	00125	17.01	36.39	26.60	00.184	1517.3							
	OBS	00125	17.01	36.39	26.60		1517.3							
	STD	00150	17.01	36.39	26.60	00.221	1517.7							
	OBS	00150	17.01	36.39	26.60		1517.7							
	STD	00200	17.01	36.40	26.60	00.296	1518.5							
	OBS	00200	17.01	36.40	26.60		1518.5							
	STD	00250	17.02	36.40	26.60	00.372	1519.4							
	OBS	00250	17.02	36.40	26.60		1519.4							
	STD	00300	17.01	36.40	26.60	00.449	1520.2							
	OBS	00300	17.01	36.40	26.60		1520.2							
	OBS	00350	16.98	36.39	26.60		1520.9							
	STD	00400	16.72	36.31	26.60	00.605	1520.9							
	OBS	00400	16.72	36.31	26.60		1520.9							
	STD	00500	15.77	36.17	26.72	00.759	1519.4							
	OBS	00500	15.77	36.17	26.72		1519.4							
	STD	00600	14.36	35.93	26.85	00.903	1516.3							
	OBS	00600	14.36	35.93	26.85		1516.3							
	STD	00700	12.78	35.67	26.97	01.036	1512.5							
	OBS	00700	12.78	35.67	26.97		1512.5							
	STD	00800	10.96	35.45	27.15	01.156	1507.6							
	OBS	00800	10.96	35.45	27.15		1507.6							
	STD	00900	09.40	35.30	27.31	01.259	1503.4							
	OBS	00900	09.40	35.30	27.31		1503.4							
	STD	01000	07.84	35.21	27.48	01.347	1499.1							
	OBS	01000	07.84	35.21	27.48		1499.1							
	STD	01100	06.72	35.13	27.58	01.421	1496.3							
	OBS	01100	06.72	35.13	27.58		1496.3							
	STD	01200	06.26	35.15	27.66	01.486	1496.2							
	OBS	01200	06.26	35.15	27.66		1496.2							
	STD	01300	05.84	35.16	27.72	01.545	1496.2							
	OBS	01300	05.84	35.16	27.72		1496.2							
	STD	01400	05.44	35.16	27.77	01.599	1496.2							
	OBS	01400	05.44	35.16	27.77		1496.2							
	STD	01500	05.10	35.11	27.77	01.651	1496.5							
	OBS	01500	05.10	35.11	27.77		1496.5							

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 05121	AIR TEMP 17.3	DIR PCT PER	#WND-DIR 33	INST STD RECORDER	TEN SQ 1207
CONSEC 0004	MONTH 03	SHIP DG	WET BULB 16.2	29 2 2	#WND-SPD 14	TRACE DIR 0	5 SQUARE 3
LAT 38 55 N	DAY 08	DATA USE 1	BAROMETR 1015.4	SEA	#WND-FTR	DURATION 00.2	2 SQUARE 80
LONG 050 20 W	HOUR 08.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 44 025	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.90	36.38	26.61	00.000	1514.9							
08.2	OBS	00000	16.90	36.38	26.61		1514.9							
	STD	00010	16.91	36.38	26.61	00.014	1515.1							
	OBS	00010	16.91	36.38	26.61		1515.1							
	STD	00020	16.91	36.38	26.61	00.028	1515.3							
	OBS	00020	16.91	36.38	26.61		1515.3							
	STD	00030	16.91	36.38	26.61	00.041	1515.4							
	OBS	00030	16.91	36.38	26.61		1515.4							
	STD	00050	16.92	36.38	26.61	00.072	1515.8							
	OBS	00050	16.92	36.38	26.61		1515.8							
	STD	00075	16.92	36.39	26.62	00.108	1516.2							
	OBS	00075	16.92	36.39	26.62		1516.2							
	STD	00100	16.92	36.39	26.62	00.145	1516.6							
	OBS	00100	16.92	36.39	26.62		1516.6							
	STD	00125	16.93	36.39	26.61	00.181	1517.1							
	OBS	00125	16.93	36.39	26.61		1517.1							
	STD	00150	16.93	36.39	26.61	00.218	1517.5							
	OBS	00150	16.93	36.39	26.61		1517.5							
	OBS	00175	16.93	36.40	26.62		1517.9							
	STD	00200	16.94	36.40	26.62	00.293	1518.3							
	OBS	00200	16.94	36.40	26.62		1518.3							
	OBS	00220	16.92	36.39	26.62		1518.6							
	STD	00250	16.87	36.39	26.63	00.368	1518.9							
	OBS	00250	16.87	36.39	26.63		1518.9							
	STD	00300	16.79	36.37	26.63	00.443	1519.5							
	OBS	00300	16.79	36.37	26.63		1519.5							
	STD	00400	16.72	36.36	26.64	00.596	1520.9							
	OBS	00400	16.72	36.36	26.64		1520.9							
	OBS	00445	16.61	36.33	26.64		1521.3							
	STD	00500	15.78	36.15	26.70	00.748	1519.4							
	OBS	00500	15.78	36.15	26.70		1519.4							
	STD	00600	14.18	35.87	26.84	00.894	1515.7							
	OBS	00600	14.18	35.87	26.84		1515.7							
	STD	00700	12.38	35.60	27.00	01.026	1511.0							
	OBS	00700	12.38	35.60	27.00		1511.0							
	STD	00800	10.36	35.36	27.19	01.142	1505.3							
	OBS	00800	10.36	35.36	27.19		1505.3							
	OBS	00850	09.35	35.21	27.24		1502.3							
	STD	00900	08.68	35.24	27.38	01.239	1500.6							
	OBS	00900	08.68	35.24	27.38		1500.6							
	STD	01000	07.44	35.21	27.54	01.320	1497.5							
	OBS	01000	07.44	35.21	27.54		1497.5							
	STD	01100	06.72	35.21	27.64	01.388	1496.4							
	OBS	01100	06.72	35.21	27.64		1496.4							
	STD	01200	06.11	35.23	27.74	01.446	1495.7							
	OBS	01200	06.11	35.23	27.74		1495.7							
	STD	01300	05.60	35.16	27.75	01.499	1495.2							
	OBS	01300	05.60	35.16	27.75		1495.2							
	STD	01400	05.39	35.13	27.75	01.552	1496.0							
	OBS	01400	05.39	35.13	27.75		1496.0							
	STD	01500	04.99	35.11	27.78	01.604	1496.0							
	OBS	01500	04.99	35.11	27.78		1496.0							

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31-8257.—Continued

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 05303	AIR TEMP 17.8	DIR WGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1207
CONSEC 0006	MONTH 03	SHIP DG	WET BULB 16.7	29	WIND-SPD 23	TRACE DIR D	5 SQUARE 3
LAT 39 50 N	DAY 08	DATA USE 1	BAROMETR 1014.0	SEA 4	WIND-FOR	DURATION 00.6	2 SQUARE 40
LONG 050 20 W	HOUR 15.1	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG A4 325	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PH4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.53	36.25	26.60	00.000	1513.7							
15.1	OBS	00000	16.53	36.25	26.60		1513.7							
	STD	00010	16.52											
	OBS	00010	16.52											
	STD	00020	16.52											
	OBS	00020	16.52											
	STD	00030	16.51											
	OBS	00030	16.51											
	STD	00050	16.47											
	OBS	00050	16.47											
	STD	00075	16.45											
	OBS	00075	16.45											
	STD	00100	16.65											
	OBS	00100	16.65											
	STD	00125	16.76											
	OBS	00125	16.76											
	STD	00150	16.73											
	OBS	00150	16.73											
	STD	00200	16.60											
	OBS	00200	16.60											
	STD	00250	14.89											
	OBS	00250	14.89											
	STD	00300	14.61											
	OBS	00300	14.61											
	STD	00400	13.24											
	OBS	00400	13.24											
	STD	00500	10.85											
	OBS	00500	10.85											
	STD	00600	09.05											
	OBS	00600	09.05											
	STD	00700	07.51											
	OBS	00700	07.51											
	STD	00800	06.37											
	OBS	00800	06.37											
	STD	00900	05.55											
	OBS	00900	05.55											
	STD	01000	05.01											
	OBS	01000	05.01											
	STD	01100	04.71											
	OBS	01100	04.71											
	STD	01200	04.56											
	OBS	01200	04.56											
	STD	01300	04.46											
	OBS	01300	04.46											
	STD	01400	04.35											
	OBS	01400	04.16											
	STD	01500	04.03											
	OBS	01500	04.03											
	STD	01750	03.95											
	OBS	01750	03.95											
	STD	02000	03.76											
	OBS	02000	03.76											
	STD	02500	03.48											
	OBS	02500	03.48											
	STD	03000	03.14											
	OBS	03000	03.14											

TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 05394	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307
CONSEC 0007	MONTH 03	SHIP OG	WET BULB 16.1	23	WIND-SPD 30	TRACE DIR D	5 SQUARE 1
LAT 40 20 N	DAY 08	DATA USE 1	BAROMETR 1012.9	SEA 3	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 20 W	HOUR 19.1	AREA. 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG A4 025	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.00	35.95	26.72	00.000	1508.6							
19.1	OBS	00000	15.00	35.95	26.72		1508.6							
	STD	00010	15.00											
	OBS	00010	15.00											
	STD	00020	15.00											
	OBS	00020	15.00											
	STD	00030	15.00											
	OBS	00030	15.00											
	STD	00050	15.00											
	OBS	00050	15.00											
	STD	00075	14.91											
	OBS	00075	14.91											
	STD	00100	14.66											
	OBS	00100	14.66											
	STD	00125	14.48											
	OBS	00125	14.48											
	STD	00150	14.40											
	OBS	00150	14.40											
	STD	00200	13.81											
	OBS	00200	13.81											
	STD	00250	13.20											
	OBS	00250	13.20											
	STD	00300	12.35											
	OBS	00300	12.35											
	STD	00400	10.05											
	OBS	00400	10.05											
	STD	00500	08.06											
	OBS	00500	08.06											
	OBS	00580	06.49											
	STD	00600	05.75											
	OBS	00600	05.75											
	OBS	00650	06.17											
	STD	00700	05.75											
	OBS	00700	05.75											
	STD	00800	05.06											
	OBS	00800	05.06											
	STD	00900	04.83											
	OBS	00900	04.83											
	STD	01000	04.52											
	OBS	01000	04.52											
	STD	01100	04.34											
	OBS	01100	04.34											
	STD	01200	04.20											
	OBS	01200	04.20											
	STD	01300	04.02											
	OBS	01300	04.02											
	STD	01400	03.92											
	OBS	01400	03.92											
	STD	01500	03.89											
	OBS	01500	03.89											

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 04297	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307
CONSEC 0008	MONTH 03	SHIP OG	WET BULB 16.1	24 2 4	WIND-SPD 23	TRACE DIR 0	5 SQUARE 1
LAT 40 47 N	DAY 08	DATA USE 1	BAROMETR 1012.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 16 W	HOUR 22.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG A4 025	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	15.37	35.92	26.62	00.000	1509.7							
22.5	OBS	00000	15.37	35.92	26.62		1509.7							
	STD	00010	15.37											
	OBS	00010	15.37											
	STD	00020	15.37											
	OBS	00020	15.37											
	STD	00030	15.37											
	OBS	00030	15.37											
	STD	00050	15.36											
	OBS	00050	15.36											
	STD	00075	15.19											
	OBS	00075	15.19											
	STD	00100	15.13											
	OBS	00100	15.13											
	STD	00125	15.09											
	OBS	00125	15.09											
	STD	00150	14.99											
	OBS	00150	14.99											
	STD	00200	14.16											
	OBS	00200	14.16											
	STD	00250	14.27											
	OBS	00250	14.27											
	STD	00300	13.35											
	OBS	00300	13.35											
	OBS	00350	12.70											
	STD	00400	11.50											
	OBS	00400	11.50											
	STD	00500	08.65											
	OBS	00500	08.65											
	STD	00600	06.62											
	OBS	00600	06.62											
	STD	00700	05.83											
	OBS	00700	05.83											
	STD	00800	05.06											
	OBS	00800	05.06											
	STD	00900	04.67											
	OBS	00900	04.67											
	STD	01000	04.51											
	OBS	01000	04.51											
	STD	01100	04.34											
	OBS	01100	04.34											
	STD	01200	04.20											
	OBS	01200	04.20											
	STD	01300	04.05											
	OBS	01300	04.05											
	STD	01400	04.03											
	OBS	01400	04.03											
	STD	01500	03.90											
	OBS	01500	03.90											

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 03200	AIR TEMP 10.6	DIR NGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307
CONSEC 0010	MONTH 03	SHIP OG	WET BULB 10.0	19 4 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 1
LAT 41 50 N	DAY 09	DATA USE 1	BAROMETR 1007.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 00
LONG 050 20 W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X+	ORIG A4 025	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.37	32.73	26.15	00.000	1456.8							
06.3	OBS	00000	02.37	32.73	26.15		1456.8							
	STD	00010	02.37											
	OBS	00010	02.37											
	STD	00020	02.37											
	OBS	00020	02.37											
	STD	00030	02.16											
	OBS	00030	02.16											
	STD	00050	01.96											
	OBS	00050	01.96											
	OBS	00069	00.95											
	STD	00075	01.19											
	OBS	00075	01.19											
	STD	00100	01.65											
	OBS	00100	01.65											
	STD	00125	02.18											
	OBS	00125	02.18											
	STD	00150	02.55											
	OBS	00150	02.55											
	STD	00200	03.86											
	OBS	00200	03.86											
	STD	00250	04.35											
	OBS	00250	04.35											
	OBS	00265	04.53											
	STD	00300	04.07											
	OBS	00300	04.07											
	OBS	00355	04.60											
	OBS	00375	04.42											
	STD	00400	04.56											
	OBS	00400	04.56											
	STD	00500	04.65											
	OBS	00500	04.65											
	STD	00600	04.59											
	OBS	00600	04.59											
	STD	00700	04.37											
	OBS	00700	04.37											
	STD	00800	04.12											
	OBS	00800	04.12											
	OBS	00825	04.25											
	STD	00900	04.14											
	OBS	00900	04.14											
	OBS	00910	04.09											
	OBS	00950	04.06											
	STD	01000	03.96											
	OBS	01000	03.96											
	STD	01100	03.89											
	OBS	01100	03.89											
	STD	01200	03.89											
	OBS	01200	03.89											
	STD	01300	03.83											
	OBS	01300	03.83											
	STD	01400	03.78											
	OBS	01400	03.78											
	STD	01500	03.73											
	OBS	01500	03.73											

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TABLE XI.—*Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued*

REFID 31 8257	YEAR 1971	BOTDP 02012	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1307
CONSEC 0011	MONTH 03	SHIP DG	WET BULB 09.4	25 2 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 1
LAT 42 10 N	DAY 09	DATA USE 1	BAROMETR 1005.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 16 W	HOUR 09.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A4 025	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.09	33.24	26.70	00.000	1447.3							
09.0	OBS	00000	00.09	33.24	26.70		1447.3							
	STD	00010	- 0.09											
	OBS	00010	- 0.09											
	STD	00020	- 0.03											
	OBS	00020	- 0.03											
	STD	00030	00.34											
	OBS	00030	00.34											
	STD	00050	00.70											
	OBS	00050	00.70											
	STD	00075	01.22											
	OBS	00075	01.22											
	STD	00100	01.19											
	OBS	00100	01.19											
	STD	00125	01.97											
	STD	00150	02.62											
	OBS	00150	02.62											
	STD	00200	03.52											
	OBS	00200	03.52											
	STD	00250	03.99											
	OBS	00250	03.99											
	STD	00300	04.11											
	OBS	00300	04.11											
	STD	00400	04.40											
	OBS	00400	04.40											
	STD	00500	04.45											
	OBS	00500	04.45											
	STD	00600	04.45											
	OBS	00600	04.45											
	STD	00700	04.45											
	OBS	00700	04.45											
	STD	00800	04.26											
	OBS	00800	04.26											
	STD	00900	04.16											
	OBS	00900	04.16											
	STD	01000	04.09											
	OBS	01000	04.09											
	STD	01100	04.03											
	OBS	01100	04.03											
	STD	01200	03.98											
	OBS	01200	03.98											
	STD	01300	03.85											
	OBS	01300	03.85											
	STD	01400	03.77											
	OBS	01400	03.77											
	STD	01500	03.73											
	OBS	01500	03.73											

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TABLE XI.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC DALLAS, 7–9 March 1971, Prepared from NODC Listing No. 31–8257.—Continued

REFID 31 8257	YEAR 1971	BOTDP 00914	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1307
CONSEC 0012	MONTH 03	SHIP DG	WET BULB 07.8	24 2 3	WIND-SPD 09	TRACE DIR D	5 SQUARE 1
LAT 42 50 N	DAY 09	DATA USE 1	BAROMETR 1006.8	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	HOUR 13.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A4 025	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.65	33.05	26.58	00.000	1443.6							
13.6	OBS	00000	- 0.65	33.05	26.58		1443.6							
	STD	00010	- 0.67											
	OBS	00010	- 0.67											
	STD	00020	- 0.68											
	OBS	00020	- 0.68											
	STD	00030	- 0.68											
	OBS	00030	- 0.68											
	STD	00050	- 0.74											
	OBS	00050	- 0.74											
	STD	00075	- 0.21											
	OBS	00075	- 0.21											
	STD	00100	- 0.57											
	OBS	00100	- 0.57											
	STD	00125	- 0.86											
	OBS	00125	- 0.86											
	STD	00150	00.97											
	OBS	00150	00.97											
	STD	00200	01.29											
	OBS	00200	01.29											
	STD	00250	01.69											
	O	00250	01.69											
	STD	00300	02.06											
	OBS	00300	02.06											
	STD	00400	02.93											
	OBS	00400	02.93											
	OBS	00450	03.14											
	STD	00500	03.69											
	OBS	00500	03.69											
	OBS	00575	04.10											
	STD	00600	04.20											
	OBS	00600	04.20											
	STD	00700	04.07											
	OBS	00700	04.07											
	OBS	00750	04.40											

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REFID 31 8257	YEAR 1971	BOTDP 00091	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1307
CONSEC 0013	MONTH 03	SHIP DG	WET BULB 02.2	21 2 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 1
LAT 43 00 N	DAY 09	DATA USE 1	BAROMETR 1006.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 20 W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A4 025	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.63											
15.3	OBS	00000	00.63											
	STD	00010	00.33											
	OBS	00010	00.33											
	STD	00020	00.22											
	OBS	00020	00.22											
	STD	00030	00.00											
	OBS	00030	00.00											
	STD	00050	- 0.34											
	OBS	00050	- 0.34											
	STD	00075	- 0.51											
	OBS	00075	- 0.51											
	OBS	00080	- 0.47											
	OBS	00091	- 0.47											

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REFID 31 8257	YEAR 1971	BOTDP	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1307
CONSEC 0014	MONTH 03	SHIP DG	WET BULB 02.8	23 2 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 1
LAT 43 10 N	DAY 09	DATA USE 1	BAROMETR 1006.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 20 W	HOUR 17.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG A4 025	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.64	32.73	26.27	00.000	1449.1							
17.5	OBS	00000	00.64	32.73	26.27		1449.1							
	STD	00010	00.59											
	OBS	00010	00.58											
	STD	00020	00.46											
	OBS	00020	00.46											
	STD	00030	00.11											
	OBS	00030	00.11											
	STD	00050	- 0.38											
	OBS	00050	- 0.38											
	STD	00075	- 0.93											
	OBS	00075	- 0.93											
	OBS	00080	- 0.42											

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TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.

REFID 31 1971	YEAR 1972	BOTDP 00070	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1307
CONSEC 0001	MONTH 01	SHIP 3L	WET BULB 01.9	29 6 5	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 43 10 N	DAY 05	DATA USE 1	BAROMETR 1014.5	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 19 W	HOUR 02.6	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.89	32.14	25.55	00.000	1462.5							
02.6	OBS	00000	03.89	32.138	25.55		1462.5							
	S..	00010	03.76	32.14	25.56	00.024	1462.2							
	STD	00020	03.58	32.13	25.57	00.049	1461.5							
02.6	OBS	00025	03.47	32.134	25.58		1461.2							
	STD	00030	03.32	32.14	25.60	00.073	1460.6							
	STD	00050	02.72	32.55	25.98	00.117	1458.9							
02.6	OBS	00050	02.72	32.547	25.98		1458.9							
02.6	OBS	00060	01.80	32.987	26.40		1455.6							

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REFID 31 1971	YEAR 1972	BOTDP 00109	AIR TEMP 03.7	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1307
CONSEC 0002	MONTH 01	SHIP 3L	WET BULB 01.8	29 6 5	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 42 58 N	DAY 05	DATA USE 1	BAROMETR 1014.5	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 18 W	HOUR 04.0	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.56	32.45	25.91	00.000	1457.2							
04.0	OBS	00000	02.56	32.449	25.91		1457.2							
	STD	00010	02.55	32.47	25.93	00.021	1457.4							
	STD	00020	02.49	32.49	25.95	00.042	1457.3							
04.0	OBS	00025	02.44	32.501	25.96		1457.2							
	STD	00030	02.39	32.64	26.08	00.062	1457.2							
04.0	OBS	00049	02.00	33.086	26.46		1456.4							
	STD	00050	01.94	33.11	26.48	00.097	1456.2							
04.0	OBS	00074	00.98	33.478	26.85		1452.9							
	STD	00075	00.96	33.49	26.85	00.131	1452.8							
04.0	OBS	00098	00.74	33.510	26.89		1452.2							

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REFID 31 1971	YEAR 1972	BOTDP 00658	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1307
CONSEC 0003	MONTH 01	SHIP 3L	WET BULB 02.6	29 6 5	WIND-SPD 25	TRACE DIR	5 SQUARE 1
LAT 42 51 N	DAY 05	DATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	HOUR 06.5	AREA 05	CLOUD T/A 8/5	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.80	32.25	25.64	00.000	1462.3							
06.5	OBS	00000	03.80	32.251	25.64		1462.3							
	STD	00010	03.41	32.31	25.73	00.023	1460.9							
	STD	00020	02.98	32.43	25.86	00.045	1459.3							
06.5	OBS	00025	02.74	32.511	25.95		1458.5							
	STD	00030	02.38	32.68	26.11	00.066	1457.2							
	STD	00050	01.38	33.16	26.57	00.099	1453.8							
06.5	OBS	00050	01.38	33.163	26.57		1453.8							
	STD	00075	01.18	33.32	26.71	00.135	1453.5							
06.5	OBS	00075	01.18	33.318	26.71		1453.5							
	STD	00100	01.08	33.46	26.82	00.167	1453.7							
06.5	OBS	00100	01.08	33.459	26.82		1453.7							
	STD	00125	00.74	33.59	26.95	00.196	1452.8							
	STD	00150	00.57	33.71	27.05	00.223	1452.6							
06.5	OBS	00150	00.57	33.707	27.05		1452.6							
	STD	00200	00.79	33.88	27.18	00.271	1454.6							
06.5	OBS	T00205	00.82	33.893	27.19		1454.9							
	STD	00250	01.20	34.03	27.28	00.314	1457.5							
	STD	00300	01.52	34.13	27.39	00.352	1459.9							
06.5	OBS	00305	01.55	34.155	27.35		1460.1							
	STD	00400	01.85	34.23	27.38	00.426	1463.2							
06.5	OBS	T00405	01.86	34.229	27.39		1463.3							

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TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971 YEAR 1972 BOTDP 01865 AIR TEMP 05.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1307
CONSEC 0004 MONTH 01 SHIP 3L WET BULB 03.1 29 5 4 WIND-SPD 22 TRACE DIR 5 SQUARE 1
LAT 42 40 N DAY 05 DATA USE 1 BAROMETR 1014.7 SEA WIND-FOR DURATION 2 SQUARE 20
LONG 050 20 W HOUR 08.6 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG A4 026 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.04	32.32	25.77	00.000	1459.1							
08.6	OBS	00000	03.04	32.324	25.77		1459.1							
	STD	00010	03.10	32.37	25.80	00.022	1459.6							
	STD	00020	03.16	32.42	25.84	00.044	1460.1							
08.6	OBS	00024	03.18	32.436	25.85		1460.3							
	STD	00030	05.47	33.03	26.08	00.065	1470.8							
08.6	OBS	00048	10.52	34.450	26.45		1492.3							
	STD	00050	10.84	34.58	26.49	00.100	1493.7							
08.6	OBS	00071	12.98	35.466	26.78		1502.5							
	STD	00075	12.94	35.48	26.80	00.135	1502.5							
08.6	OBS	00095	12.76	35.498	26.84		1502.2							
	STD	00100	12.41	35.44	26.87	00.166	1501.1							
	STD	00125	10.74	35.16	26.96	00.196	1495.3							
08.6	OBS	00143	09.65	34.982	27.02		1491.4							
	STD	00150	09.31	34.94	27.04	00.223	1490.3							
	STD	00200	07.10	34.70	27.19	00.273	1482.3							
	STD	00250	05.23	34.50	27.28	00.317	1475.4							
08.6	OBS	00291	03.94	34.385	27.33		1470.6							
	STD	00300	03.60	34.35	27.33	00.357	1469.3							
08.6	OBS	T00387	01.80	34.244	27.40		1462.7							
	STD	00400	01.98	34.29	27.43	00.429	1463.8							
08.6	OBS	00489	03.00	34.548	27.55		1470.1							
	STD	00500	03.09	34.57	27.56	00.492	1470.7							
08.6	OBS	00585	03.68	34.764	27.64		1474.8							
	STD	00600	03.74	34.76	27.64	00.546	1475.3							
	STD	00700	04.04	34.83	27.67	00.597	1478.3							
08.6	OBS	T00778	04.18	34.869	27.68		1480.3							
	STD	00800	04.18	34.87	27.69	00.647	1480.7							
	STD	00900	04.17	34.89	27.70	00.696	1482.3							
08.6	OBS	T00978	04.16	34.900	27.71		1483.6							
08.6	OBS	T01481	03.99	34.937	27.76		1491.3							

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REFID 31 1971 YEAR 1972 BOTDP 02450 AIR TEMP 05.4 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1307
CONSEC 0005 MONTH 01 SHIP 3L WET BULB 03.9 29 5 4 WIND-SPD 14 TRACE DIR 5 SQUARE 1
LAT 42 30 N DAY 05 DATA USE 1 BAROMETR 1014.5 SEA WIND-FOR DURATION 2 SQUARE 20
LONG 050 20 W HOUR 11.8 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG A4 026 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.11	32.39	25.81	00.000	1459.5							
11.8	OBS	00000	03.11	32.386	25.81		1459.5							
	STD	00010	05.64	33.00	26.04	00.021	1471.1							
	STD	00020	07.68	33.50	26.16	00.040	1480.1							
11.8	OBS	00025	08.51	33.707	26.20		1483.6							
	STD	00030	08.96	33.80	26.20	00.059	1485.5							
	STD	00050	10.81	34.34	26.32	00.094	1493.3							
11.8	OBS	00050	10.81	34.344	26.32		1493.3							
	STD	00075	13.27	35.46	26.71	00.133	1503.6							
11.8	OBS	00075	13.27	35.456	26.71		1503.6							
	STD	00100	13.27	35.71	26.91	00.165	1504.3							
11.8	OBS	00100	13.27	35.712	26.91		1504.3							
	STD	00125	12.89	35.61	26.91	00.194	1503.3							
	STD	00150	12.34	35.49	26.92	00.224	1501.7							
11.8	OBS	00151	12.31	35.485	26.92		1501.6							
	STD	00200	10.73	34.97	26.82 *	00.285	1496.3							
11.8	OBS	T00206	10.47											
	STD	00250	07.02	34.58	27.11	00.343	1482.7							
	STD	00300	04.14	34.33	27.26	00.389	1471.5							
11.8	OBS	00307	03.83	34.305	27.27		1470.3							
	STD	00400	01.75	34.25	27.42	00.466	1462.7							
11.8	OBS	T00408	01.71	34.250	27.42		1462.7							
	STD	00500	02.99	34.55	27.55	00.529	1470.2							
11.8	OBS	00514	03.15	34.587	27.56		1471.2							
	STD	00600	03.97	34.80	27.65	00.584	1476.4							
11.8	OBS	00615	04.09	34.831	27.66		1477.2							
11.8	OBS	T01023	04.45	34.997	27.76		1485.7							
11.8	OBS	T01539	03.91	34.953	27.78		1492.0							

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TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971	YEAR 1972	BOTDP 03173	AIR TEMP 06.3	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1307
CONSEC 0006	MONTH 01	SHIP 3L	WET BULB 04.8	29 4 4	WIND-SPD 14	TRACE DIR	5 SQUARE 1
LAT 42 10 N	DAY 05	DATA USE 1	BAROMETR 1009.0	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	HOUR 14.5	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X5	ORIG A4 026	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.00	32.64	25.83	00.000	1467.9							
14.5	OBS	00000	05.00	32.637	25.83		1467.9							
	STD	00010	05.30	32.72	25.86	00.022	1469.4							
	STD	00020	05.60	32.80	25.89	00.043	1470.9							
14.5	OBS	00025	05.75	32.844	25.90		1471.6							
	STD	00030	06.90	33.20	26.03	00.064	1476.8							
14.5	OBS	00049	09.76	34.074	26.29		1489.1							
	STD	00050	09.77	34.08	26.29	00.101	1489.2							
14.5	OBS	00074	09.91	34.132	26.31		1490.2							
	STD	00075	10.09	34.20	26.33	00.144	1490.9							
14.5	OBS	00098	13.20	35.371	26.66		1503.6							
	STD	00100	13.19	35.38	26.67	00.183	1503.6							
	STD	00125	13.09	35.49	26.77	00.218	1503.8							
14.5	OBS	00148	12.95	35.548	26.85		1503.8							
	STD	00150	12.93	35.55	26.85	00.250	1503.8							
	STD	00200	12.43	35.53	26.93	00.311	1502.9							
14.5	OBS	00202	12.41	35.528	26.94		1502.8							
	STD	00250	09.82	35.16	27.13	00.365	1494.0							
14.5	OBS	00263	09.20	35.082	27.17		1491.9							
	STD	00300	07.47	34.88	27.28	00.412	1485.7							
14.5	OBS	T00351	05.90	34.738	27.38		1480.1							
	STD	00400	05.64	34.84	27.49	00.487	1480.0							
14.5	OBS	00446	05.45	34.909	27.57		1480.1							
	STD	00500	05.31	34.97	27.64	00.546	1480.5							
14.5	OBS	00537	05.22	35.003	27.67		1480.8							
	STD	00600	05.11	35.00	27.69	00.597	1481.3							
	STD	00700	04.94	35.01	27.71	00.645	1482.3							
14.5	OBS	00722		35.008										
	STD	00800	04.78	35.01	27.73	00.693	1483.3							
	STD	00900	04.63	35.01	27.75	00.739	1484.4							
14.5	OBS	T00916	04.61	35.015	27.75		1484.6							
14.5	OBS	T01525	04.00	34.975	27.79		1492.2							

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REFID 31 1971	YEAR 1972	BOTDP 03749	AIR TEMP 04.7	DIR HGT PER	WIND-DIR 34	INST NANSEN CAST	TEN SQ 1307
CONSEC 0007	MONTH 01	SHIP 3L	WET BULB 03.9	33 5 5	WIND-SPD 35	TRACE DIR	5 SQUARE 1
LAT 41 14 N	DAY 06	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 20 W	HOUR 15.1	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	17.10	36.24	26.46	00.000	1515.3							
15.1	OBS	00000	17.10	36.240	26.46		1515.3							
	STD	00010	17.13	36.24	26.46	00.016	1515.6							
	STD	00020	17.15	36.25	26.45	00.032	1515.8							
15.1	OBS	00029	17.16	36.248	26.45		1516.0							
	STD	00030	17.16	36.25	26.45	00.048	1516.0							
	STD	00050	17.16	36.25	26.45	00.080	1516.3							
	STD	00075	17.15	36.24	26.45	00.120	1516.7							
15.1	OBS	00081	17.15	36.244	26.45		1516.8							
	STD	00100	17.18	36.25	26.45	00.160	1517.2							
15.1	OBS	00105	17.18	36.250	26.45		1517.3							
	STD	00125	17.18	36.25	26.45	00.201	1517.6							
	STD	00150	17.17	36.24	26.44	00.242	1518.0							
15.1	OBS	00158	17.17	36.242	26.44		1518.1							
	STD	00200	17.07	36.25	26.47	00.324	1518.5							
15.1	OBS	00211		36.255										
	STD	00250	16.95	36.32	26.56	00.404	1519.1							
	STD	00300	16.83	36.40	26.65	00.481	1519.7							
15.1	OBS	00317	16.79	36.430	26.68		1519.9							
	STD	00400	15.69	36.14	26.71	00.630	1517.5							
15.1	OBS	T00423	15.34	36.067	26.74		1516.7							
	STD	00500	14.15	35.88	26.85	00.771	1514.0							
15.1	OBS	00530	13.43	35.820	26.96		1312.0							
	STD	00600	10.90	35.70	27.36	00.882	1504.4							
15.1	OBS	00636	09.76	35.644	27.51		1500.8							
15.1	OBS	T01068	04.91	34.994	27.70		1488.3							
15.1	OBS	T01609	04.07	35.003	27.80		1493.9							

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TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971 YEAR 1972 BOTDP 03932 AIR TEMP 04.5 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1307
CONSEC 0008 MONTH 01 SHIP 3L WET BULB 03.7 33 8 5 WIND-SPD 35 TRACE DIR 5 SQUARE 1
LAT 40 50 N DAY 06 DATA USE 1 BAROMETR 1016.4 SEA WIND-FOR DURATION 2 SQUARE 00
LONG 050 20 W HOUR 20.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG A4 026 1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.95	36.23	26.49	00.000	1514.9							
20.1	OBS	00000	16.95	36.228	26.49		1514.9							
	STD	00010	16.98	36.23	26.48	00.016	1515.1							
	STD	00020	17.00	36.22	26.47	00.031	1515.4							
20.1	OBS	00027	17.01	36.221	26.47		1515.5							
	STD	00030	17.01	36.21	26.46	00.047	1515.5							
	STD	00050	17.00	36.19	26.44	00.079	1515.8							
20.1	OBS	00050	17.00	36.190	26.44		1515.8							
	STD	00075	16.98	36.21	26.47	00.119	1516.2							
20.1	OBS	00077	16.98	36.214	26.47		1516.2							
	STD	00100	16.99	36.23	26.48	00.159	1516.6							
20.1	OBS	00100	16.99	36.232	26.48		1516.6							

REFID 31 1971 YEAR 1972 BOTDP 04297 AIR TEMP 06.9 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1307
CONSEC 0009 MONTH 01 SHIP 3L WET BULB 05.9 32 6 5 WIND-SPD 33 TRACE DIR 5 SQUARE 1
LAT 40 20 N DAY 07 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 2 SQUARE 00
LONG 050 20 W HOUR 00.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG A4 026 1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000		35.74										
00.5	OBS	00000		35.737										
	STD	00010		35.74										
	STD	00020		35.74										
00.5	OBS	00027	16.03	35.742	26.33		1512.0							
	STD	00030	16.02	35.74	26.33		1512.0							
	STD	00050	16.00	35.74	26.33		1512.2							
00.5	OBS	00051	16.00	35.740	26.33		1512.2							
	STD	00075	16.02	35.74	26.33		1512.7							
00.5	OBS	00080	16.03	35.735	26.32		1512.8							
	STD	00100	16.00	35.72	26.32		1513.0							
00.5	OBS	00104	15.99	35.722	26.32		1513.1							
	STD	00125	15.97	35.72	26.33		1513.3							
	STD	00150	15.93	35.72	26.33		1513.6							
00.5	OBS	00156	15.92	35.720	26.34		1513.7							
	STD	00200	15.82	35.71	26.35		1514.1							
00.5	OBS	T00209	15.80	35.702	26.35		1514.2							

TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971	YEAR 1972	BOTDP 05303	AIR TEMP 08.1	DIR HGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1207
CONSEC 0010	MONTH 01	SHIP 3L	WET BULB 06.3	30 5 5	WIND-SPD 30	TRACE DIR	5 SQUARE 3
LAT 39 52 N	DAY 07	DATA USE 1	BAROMETR 1017.5	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 14 W	HOUR 04.8	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.67	36.38	25.92	00.000	1522.8							
04.8	OBS	00000	19.67	36.378	25.92		1522.8							
	STD	00010	19.67	36.39	25.93	00.021	1523.0							
	STD	00020	19.66	36.39	25.93	00.042	1523.2							
04.8	OBS	00028	19.66	36.399	25.94		1523.3							
	STD	00030	19.66	36.40	25.94	00.063	1523.3							
	STD	00050	19.68	36.40	25.93	00.105	1523.7							
04.8	OBS	00052	19.68	36.403	25.93		1523.8							
	STD	00075	19.70	36.41	25.94	00.157	1524.2							
04.8	OBS	00080	19.71	36.414	25.93		1524.3							
	STD	00100	19.74	36.41	25.92	00.210	1524.7							
04.8	OBS	00104	19.74	36.408	25.92		1524.8							
	STD	00125	19.72	36.41	25.93	00.263	1525.1							
	STD	00150	19.70	36.42	25.94	00.316	1525.4							
04.8	OBS	00156	19.69	36.422	25.95		1525.5							
	STD	00200	19.09	36.47	26.14	00.419	1524.6							
04.8	OBS	00208	18.99	36.476	26.17		1524.5							
	STD	00250	18.65	36.48	26.31	00.513	1523.7							
	STD	00300	17.96	36.50	26.44	00.600	1523.1							
04.8	OBS	00312	17.87	36.498	26.47		1523.0							
	STD	00400	17.56	36.47	26.52	00.768	1523.5							
04.8	OBS	T00416	17.46	36.464	26.54		1523.5							
07.2	OBS	T00434	17.33	36.411	26.53		1523.4							
	STD	00500	16.70	36.32	26.62	00.931	1522.5							
07.2	OBS	00518	14.47	36.283	26.64		1522.0							
	STD	00600	14.85	35.98	26.78	01.084	1518.0							
07.2	OBS	00686	13.00	35.677	26.93		1513.0							
	STD	00700	12.61	35.62	26.97	01.221	1511.8							
	STD	00800	10.09	35.29	27.18	01.338	1504.3							
07.2	OBS	00857	08.88	35.151	27.28		1500.6							
07.2	OBS	01279	04.91	35.081	27.77		1491.9							
	STD	01300	04.86	35.08	27.77		1492.1							
	STD	01400	04.63	35.05	27.78		1492.8							
	STD	01500	04.44	35.03	27.78		1493.6							
07.2	OBS	T01700	04.14	34.996	27.78		1495.7							
	STD	01750	04.12	34.99	27.79		1496.5							
	STD	02000	04.00	34.99	27.80		1500.2							
07.2	OBS	02131	03.92											
	STD	02500	03.66	34.98	27.83		1507.2							
07.2	OBS	T02562	03.59	34.976	27.83		1508.1							

REFID 31 1971	YEAR 1972	BOTDP 04114	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1207
CONSEC 0011	MONTH 01	SHIP 3L	WET BULB 08.1	30 5 4	WIND-SPD 20	TRACE DIR	5 SQUARE 3
LAT 39 20 N	DAY 07	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 20 W	HOUR 11.5	AREA 05	CLOUD T/A 6/8	CL/TR	WEATHER X2	ORIG A4 026	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.82	36.42	25.91	00.000	1523.3							
11.5	OBS	00000	19.82	36.421	25.91		1523.3							
	STD	00010	19.83	36.45	25.93	00.021	1523.5							
	STD	00020	19.83	36.46	25.94	00.042	1523.7							
11.5	OBS	00028	19.84	36.467	25.94		1523.9							
	STD	00030	19.84	36.46	25.94	00.063	1523.9							
	STD	00050	19.87	36.44	25.91	00.105	1524.3							
11.5	OBS	00052	19.87	36.436	25.91		1524.3							
	STD	00075	19.86	36.43	25.90	00.158	1524.7							
11.5	OBS	00081	19.86	36.423	25.90		1524.7							
	STD	00100	19.87	36.44	25.91	00.211	1525.1							
11.5	OBS	00105	19.87	36.438	25.91		1525.2							
	STD	00125	19.87	36.45	25.92	00.265	1525.5							
	STD	00150	19.87	36.46	25.93	00.318	1526.0							
11.5	OBS	00159	19.87	36.464	25.93		1526.1							
	STD	00200	19.41	36.56	26.12	00.421	1525.6							
11.5	OBS	T00212	19.30	36.572	26.16		1525.5							
	STD	00250	19.01	36.55	26.22	00.518	1525.3							
	STD	00300	18.78	36.52	26.26	00.612	1525.5							
11.5	OBS	00320	18.74	36.509	26.26		1525.7							

TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971	YEAR 1972	BOTDP 05303	AIR TEMP 14.0	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1207
CONSEC 0012	MONTH 01	SHIP 3L	WET BULB 09.8	33 4 3	WIND-SPD 00	TRACE DIR	5 SQUARE 3
LAT 38 50 N	DAY 07	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 20 W	HOUR 15.2	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.53	36.37	25.95	00.000	1522.5							
15.2	OBS	00000	19.53	36.372	25.95		1522.5							
	STD	00010	19.53	36.38	25.95	00.021	1522.6							
	STD	00020	19.53	36.39	25.96	00.041	1522.8							
15.2	OBS	00025	19.53	36.390	25.96		1522.9							
	STD	00030	19.54	36.38	25.95	00.062	1523.0							
	STD	00050	19.56	36.36	25.93	00.104	1523.3							
15.2	OBS	00050	19.56	36.356	25.93		1523.3							
	STD	00075	19.55	36.36	25.94	00.156	1523.7							
15.2	OBS	00075	19.55	36.362	25.94		1523.7							
	STD	00100	19.56	36.38	25.94	00.209	1524.2							
15.2	OBS	00100	19.56	36.376	25.94		1524.2							
	STD	00125	19.54	36.38	25.95	00.262	1524.6							
	STD	00150	19.53	36.38	25.96	00.314	1524.9							
15.2	OBS	00150	19.53	36.384	25.96		1524.9							
	STD	00200	19.18	36.54	26.17	00.415	1525.0							
15.2	OBS	00205	19.14	36.548	26.19		1524.9							
	STD	00250	18.65	36.52	26.29	00.509	1524.3							
	STD	00300	18.18	36.49	26.39	00.599	1523.7							
15.2	OBS	00305		36.492										
	STD	00400	17.48	36.44	26.52	00.769	1523.3							
15.2	OBS	T00405	17.45	36.433	26.52		1523.3							
	STD	00500	17.11	36.42	26.59	00.934	1523.8							
15.2	OBS	00510	17.06	36.411	26.60		1523.8							
	STD	00600	16.47	36.32	26.67	01.093	1523.4							
15.2	OBS	00610	16.38	36.305	26.68		1523.3							
	STD	00700		35.94										
	STD	00800		35.61										
15.2	OBS	00810		35.577										
	STD	00900		35.34										
	STD	01000		35.13										
15.2	OBS	T01015	07.58	35.108	27.44		1498.2							
15.2	OBS	01525	04.46	35.052	27.80		1494.2							

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REFID 31 1971	YEAR 1972	BOTDP 05303	AIR TEMP 14.0	DIR HGT PER	WIND-DIR 00	INST NANSEN CAST	TEN SQ 1207
CONSEC 0013	MONTH 01	SHIP 3L	WET BULB 09.8	33 4 3	WIND-SPD 00	TRACE DIR	5 SQUARE 3
LAT 38 20 N	DAY 07	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FOR	DURATION	2 SQUARE 80
LONG 050 20 W	HOUR 19.2	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG A4 026	1 SQUARE 80

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.74	36.36	26.14	00.000	1520.2							
19.2	OBS	00000	18.74	36.356	26.14		1520.2							
	STD	00010	18.74	36.36	26.14	00.019	1520.4							
	STD	00020	18.73	36.36	26.14	00.038	1520.5							
19.2	OBS	00021	18.73	36.357	26.14		1520.5							
	STD	00030	18.67	36.36	26.16	00.056	1520.5							
19.2	OBS	00043	18.64	36.358	26.17		1520.7							
	STD	00050	18.70	36.35	26.15	00.094	1520.9							
19.2	OBS	00065	18.78	36.351	26.13		1521.4							
	STD	00075	18.77	36.36	26.13	00.142	1521.6							
19.2	OBS	00086	18.76	36.359	26.14		1521.7							
	STD	00100	18.73	36.35	26.14	00.190	1521.8							
	STD	00125	18.65	36.34	26.15	00.238	1522.0							
19.2	OBS	00130	18.63	36.337	26.15		1522.0							
	STD	00150	18.52	36.35	26.20	00.285	1522.1							
19.2	OBS	00178	18.42	36.380	26.24		1522.3							
	STD	00200	18.44	36.41	26.26	00.378	1522.7							
	STD	00250	18.47	36.45	26.28	00.470	1523.7							
19.2	OBS	00264	18.48	36.464	26.29		1524.0							
	STD	00300	18.26	36.49	26.36	00.560	1523.9							
19.2	OBS	T00350	17.96	36.495	26.44		1523.9							
	STD	00400	17.68	36.47	26.49	00.734	1523.9							
19.2	OBS	00441	17.45	36.441	26.53		1523.9							
	STD	00500	17.16											
19.2	OBS	00527	16.95											
	STD	00600	15.31											
	STD	00700	13.24											
	STD	00800	11.39											
19.2	OBS	T00885	09.98											
19.2	OBS	T01360	04.96	35.179	27.84		1493.6							

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TABLE XII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC GALLATIN, 5–8 January 1972, Prepared from NODC Listing No. 31–1971.—Continued

REFID 31 1971 YEAR 1972 BOTDP 05295 AIR TEMP 16.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1207
CONSEC 0014 MONTH 01 SHIP 3L WET BULB 14.4 33 4 4 WIND-SPD 24 TRACE DIR 5 SQUARE 3
LAT 37 50 N DAY 07 DATA USE 1 BAROMETR 1011.0 SEA WIND-FOR DURATION 2 SQUARE 60
LONG 050 20 W HOUR 23.0 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X6 ORIG A4 026 1 SQUARE 70

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	19.32	36.26	25.92	00.000	1521.7							
23.0	OBS	00000	19.32	36.263	25.92		1521.7							
	STD	00010	19.32	36.26	25.92	00.021	1521.9							
	STD	00020	19.32	36.26	25.92	00.042	1522.1							
23.0	OBS	00021	19.32	36.255	25.91		1522.1							
	STD	00030	19.20	36.25	25.9A	00.063	1521.9							
23.0	OBS	00041		36.249										
	STD	00050	18.95	36.30	26.04	00.104	1521.6							
23.0	OBS	00062		36.316										
	STD	00075	18.65	36.27	26.09	00.153	1521.1							
23.0	OBS	00082	18.57	36.246	26.10		1521.0							
	STD	00100	18.34	36.25	26.16	00.201	1520.6							
23.0	OBS	00124	18.13	36.252	26.22		1520.4							
	STD	00125	18.13	36.26	26.22	00.248	1520.4							
	STD	00150	18.10	36.42	26.36	00.293	1520.9							
23.0	OBS	00169	18.07	36.523	26.44		1521.3							
	STD	00200	18.01	36.51	26.44	00.378	1521.6							
	STD	00250	17.88	36.48	26.45	00.461	1522.0							
	STD	00300	17.72	36.44	26.46	00.545	1522.3							
23.0	OBS	T00333	17.60	36.410	26.47		1522.5							
	STD	00400	17.30	36.33	26.48	00.714	1522.6							
23.0	OBS	00418	17.21	36.326	26.50		1522.6							
	STD	00500	16.74	36.36	26.64	00.878	1522.6							
23.0	OBS	00500	16.74	36.358	26.64		1522.6							
23.0	OBS	T01253	05.25	35.291	27.90		1493.2							

REFID 31 1971 YEAR 1972 BOTDP 05303 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1207
CONSEC 0015 MONTH 01 SHIP 3L WET BULB 17.8 33 3 3 WIND-SPD 20 TRACE DIR 5 SQUARE 3
LAT 37 20 N DAY 08 DATA USE 1 BAROMETR 1004.0 SEA WIND-FOR DURATION 2 SQUARE 60
LONG 050 20 W HOUR 02.7 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG A4 026 1 SQUARE 70

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.20	36.47	26.37	00.000	1518.8							
02.7	OBS	00000	18.20	36.471	26.37		1518.8							
	STD	00010	18.19	36.44	26.35	00.017	1518.9							
	STD	00020	18.18	36.43	26.34	00.034	1519.1							
02.7	OBS	00024	18.18	36.429	26.34		1519.1							
	STD	00030	18.20	36.44	26.34	00.051	1519.3							
02.7	OBS	00044	18.22	36.450	26.34		1519.6							
	STD	00050	18.21	36.43	26.33	00.085	1519.6							
02.7	OBS	00068	18.21	36.415	26.32		1519.9							
	STD	00075	18.22	36.43	26.33	00.128	1520.1							
02.7	OBS	00088	18.24	36.442	26.33		1520.4							
	STD	00100	18.23	36.44	26.34	00.171	1520.5							
	STD	00125	18.22	36.44	26.34	00.215	1520.9							
02.7	OBS	00133	18.22	36.444	26.34		1521.0							
	STD	00150	18.22	36.43	26.33	00.258	1521.3							
02.7	OBS	00176	18.21	36.419	26.32		1521.7							
	STD	00200	18.02	36.43	26.37	00.346	1521.6							
	STD	00250	17.70	36.44	26.47	00.430	1521.4							
02.7	OBS	00265	17.62	36.444	26.49		1521.5							
	STD	00300	17.50	36.40	26.48	00.513	1521.6							
02.7	OBS	T00352	17.31	36.356	26.50		1521.9							
	STD	00400	17.12	36.35	26.54	00.678	1522.1							
02.7	OBS	00441	16.94	36.348	26.58		1522.2							
05.7	OBS	T01987	03.94	34.976	27.79		1499.7							
	STD	02000	03.93	34.98	27.80		1499.9							
	STD	02500	03.53	34.98	27.84		1506.7							
05.7	OBS	02525	03.51	34.982	27.84		1507.1							
	STD	03000	03.10	34.95	27.86		1513.5							
05.7	OBS	T03065	03.05	34.946	27.86		1514.4							
05.7	OBS	T03609	02.62	35.113	28.03		1522.3							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.

REFID 31 8296	YEAR 1972	BOTDP 00090	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0001	MONTH 04	SHIP EV	WET BULB 00.6	18 1 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 07	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 59.0W	HOUR 19.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.31	32.86	26.46	00.000	1440.2							
19.9	OBS	00000	- 1.31	32.865	26.46		1440.2							
	STD	00010	- 1.33	32.86	26.46	00.016	1440.3							
	OBS	00010	- 1.33	32.865	26.46		1440.3							
	STD	00020	- 1.37	32.85	26.45	00.032	1440.3							
	OBS	00020	- 1.37	32.855	26.45		1440.3							
	STD	00030	- 1.41	32.86	26.46	00.048	1440.3							
	OBS	00030	- 1.41	32.865	26.46		1440.3							
	STD	00050	- 1.44	32.87	26.46	00.079	1440.4							
	OBS	00050	- 1.44	32.870	26.46		1440.4							
	STD	00075	- 1.48	32.88	26.48	00.118	1440.7							
	OBS	00075	- 1.48	32.885	26.48		1440.7							

REFID 31 8296	YEAR 1972	BOTDP 00108	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 04	SHIP EV	WET BULB 00.6	20 3 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 07	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 34.0W	HOUR 22.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.37	32.82	26.42	00.000	1439.9							
22.1	OBS	00009	- 1.37	32.820	26.42		1440.0							
	STD	00010	- 1.37	32.82	26.42	00.016	1440.1							
	OBS	00012	- 1.36	32.818	26.42		1440.1							
	STD	00020	- 1.37	32.82	26.42	00.032	1440.2							
	STD	00030	- 1.38	32.82	26.42	00.049	1440.3							
	OBS	00032	- 1.38	32.816	26.42		1440.4							
	OBS	00035	- 1.39	32.803	26.41		1440.3							
	STD	00050	- 1.46	32.81	26.42	00.081	1440.3							
	OBS	00050	- 1.46	32.812	26.42		1440.3							
	STD	00075	- 1.54	32.85	26.45	00.121	1440.3							
	OBS	00076	- 1.55	32.852	26.45		1440.3							
	STD	00100	- 1.66	32.96	26.54	00.159	1440.4							
	OBS	00100	- 1.66	32.959	26.54		1440.4							
	OBS	00106	- 1.67	32.962	26.54		1440.4							

REFID 31 8296	YEAR 1972	BOTDP 00121	AIR TEMP 00.6	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0003	MONTH 04	SHIP EV	WET BULB -00.6	20 2 3	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 08	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 15.0W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00009	- 1.36	32.813	26.41		1440.1							
	STD	00010	- 1.36	32.81	26.41		1440.1							
	STD	00020	- 1.35	32.81	26.41		1440.3							
	OBS	00021	- 1.35	32.812	26.41		1440.3							
	STD	00030	- 1.35	32.81	26.41		1440.5							
	OBS	00032	- 1.35	32.811	26.41		1440.5							
	OBS	00047	- 1.42	32.795	26.40		1440.4							
	STD	00050	- 1.42	32.82	26.42		1440.5							
	OBS	00050	- 1.42	32.822	26.42		1440.5							
	STD	00075	- 1.54	32.82	26.42		1440.3							
	OBS	00075	- 1.54	32.820	26.42		1440.3							
	OBS	00092	- 1.64	32.883	26.48		1440.2							
	STD	00100	- 1.64	32.92	26.51		1440.4							
	OBS	00100	- 1.64	32.920	26.51		1440.4							
	OBS	00117	- 1.60	33.004	26.57		1441.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00157	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0004	MONTH 04	SHIP EV	WET BULB 00.6	18 0 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 4
LAT 47 01 N	DAY 08	DATA USE 1	BAROMETR 1012.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 50 W	HOUR 03.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
03.3	OBS	00011	- 1.37	32.856	26.45		1440.1							
	STD	00020	- 1.37	32.86	26.45		1440.2							
	STD	00030	- 1.38	32.85	26.45		1440.4							
	OBS	00031	- 1.38	32.854	26.45		1440.4							
	OBS	00037	- 1.41	32.845	26.44		1440.3							
	OBS	00049	- 1.59	32.893	26.48		1439.8							
	STD	00050	- 1.59	32.89	26.49		1439.8							
	OBS	00051	- 1.59	32.896	26.49		1439.8							
	OBS	00068	- 1.54	33.025	26.59		1440.5							
	STD	00075	- 1.41	33.10	26.65		1441.3							
	OBS	00075	- 1.41	33.105	26.65		1441.3							
	OBS	00081	- 1.23	33.167	26.70		1442.4							
	OBS	00087	- 1.42	33.171	26.71		1441.6							
	STD	00100	- 1.28	33.27	26.78		1442.6							
	OBS	00101	- 1.27	33.277	26.79		1442.7							
	STD	00125	- 1.31	33.29	26.80		1442.9							
	OBS	00126	- 1.31	33.291	26.80		1442.9							
	OBS	00134	- 1.32	33.313	26.82		1443.0							
	OBS	00139	- 0.77	33.396	26.87		1445.8							
	STD	00150	- 0.77	33.40	26.87		1446.0							
	OBS	00151	- 0.77	33.396	26.87		1446.0							

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REFID 31 8296	YEAR 1972	BOTDP 00311	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 04	SHIP EV	WET BULB 02.2	21 3 2	WIND-SPD 23	TRACE DIR D	5 SQUARE 4
LAT 47 05 N	DAY 08	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 24 W	HOUR 07.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.23	32.90	26.49	00.000	1440.7							
07.7	OBS	00003	- 1.23	32.905	26.49		1440.7							
	STD	00010	- 1.24	32.91	26.49	00.016	1440.8							
	STD	00020	- 1.24	32.91	26.49	00.031	1440.9							
	OBS	00025	- 1.25	32.918	26.50		1441.0							
	STD	00030	- 1.26	32.97	26.54	00.046	1441.1							
	STD	00050	- 1.28	33.16	26.69	00.075	1441.6							
	OBS	00050	- 1.28	33.164	26.70		1441.6							
	OBS	00073	- 1.22	33.288	26.79		1442.5							
	STD	00075	- 1.22	33.29	26.80	00.107	1442.5							
	STD	00100	- 1.18	33.40	26.88	00.138	1443.2							
	OBS	00100	- 1.18	33.399	26.88		1443.2							
	OBS	00103	- 1.14	33.412	26.89		1443.5							
	OBS	00109	- 1.35	33.487	26.96		1442.7							
	OBS	00115	- 0.76	33.439	26.90 •		1445.5							
	OBS	00121	- 0.63	33.462	26.91		1446.3							
	STD	00125	- 0.69	33.53	26.97	00.166	1446.1							
	OBS	00125	- 0.69	33.530	26.97		1446.1							
	OBS	00130	- 0.56	33.532	26.97		1446.8							
	OBS	00142	- 0.25	33.556	26.97		1448.5							
	STD	00150	- 1.01	33.51	26.97	00.193	1445.0							
	OBS	00150	- 1.03	33.509	26.97		1444.9							
	OBS	00153	- 1.08	33.610	27.05		1444.9							
	OBS	00161	- 0.62	33.666	27.08		1447.3							
	OBS	00165	- 0.37	33.705	27.16		1448.6							
	OBS	00168	00.06	33.774	27.14		1450.6							
	OBS	00189	00.48	33.921	27.23		1453.1							
	OBS	00191	00.65	33.909	27.21		1453.9							
	STD	00200	00.82	33.96	27.24	00.241	1454.9							
	OBS	00201	00.85	33.969	27.25		1455.0							
	OBS	00219	01.36	34.165	27.37		1457.9							
	OBS	00226	01.79	34.322	27.47		1460.1							
	OBS	00249	02.18	34.369	27.47		1462.3							
	STD	00250	02.18	34.37	27.47	00.278	1462.3							
	OBS	00273	02.52	34.470	27.53		1464.3							
	OBS	00284	03.05	34.586	27.57		1466.9							
	STD	00300	03.16	34.59	27.57	00.308	1467.7							
	OBS	00302	03.18	34.596	27.57		1467.8							
	OBS	00305	03.21	34.608	27.57		1468.0							

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TABLE XIII.—*Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued*

REFID 31 8296	YEAR 1972	BOTDP 00690	AIR TEMP 00.6	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 04	SHIP EV	WET BULB 00.0	21 3 2	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 47 12 N	DAY 04	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 09 W	HOUR 11.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 110	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO_2	NO3	SI03	PH
	STD	00000	- 1.11	32.93	26.50	00.000	1441.3							
11.3	OBS	00000	- 1.11	32.929	26.50		1441.3							
	STD	00010	- 1.13	32.95	26.52	00.015	1441.4							
	STD	00020	- 1.16	32.97	26.53	00.031	1441.4							
	OBS	00025	- 1.18	32.975	26.54		1441.4							
	STD	00030	- 1.21	33.03	26.59	00.045	1441.4							
	STD	00050	- 1.32	33.22	26.74	00.073	1441.5							
	OBS	00068	- 1.32	33.224	26.75		1441.5							
	STD	00075	- 1.44	33.33	26.83	00.105	1441.5							
	OBS	00075	- 1.45	33.333	26.84		1441.5							
	STD	00100	- 1.55	33.45	26.93	00.134	1441.6							
	OBS	00100	- 1.55	33.449	26.93		1441.6							
	OBS	00103	- 1.57	33.452	26.94		1441.5							
	OBS	00106	- 1.55	33.488	26.97		1441.7							
	OBS	00109	- 1.41	33.602	27.05		1442.6							
	OBS	00112	- 1.16	33.618	27.06		1443.8							
	OBS	00115	- 1.00	33.569	27.01 *		1444.6							
	OBS	00124	- 0.88	33.587	27.03		1445.3							
	STD	00125	- 0.85	33.59	27.03	00.161	1445.5							
	OBS	00132	- 0.57	33.671	27.08		1447.0							
	OBS	00139	- 0.94	33.662	27.09		1445.4							
	OBS	00144	- 0.76	33.721	27.13		1446.4							
	STD	00150	- 0.56	33.81	27.20	00.185	1447.5							
	OBS	00151	- 0.50	33.829	27.21		1447.9							
	OBS	00157	00.09	33.909	27.24		1450.7							
	OBS	00160	00.27	33.944	27.26		1451.7							
	OBS	00175	00.58	33.992	27.28		1453.4							
	OBS	00178	00.77	34.016	27.29		1454.4							
	OBS	00188	01.01	34.081	27.33		1455.7							
	OBS	00199	01.37	34.131	27.34		1457.6							
	STD	00200	01.38	34.13	27.35	00.225	1457.6							
	OBS	00225	01.66	34.230	27.40		1459.4							
	OBS	00229	01.77	34.316	27.46		1460.1							
	OBS	00233	02.04	34.333	27.46		1461.4							
	OBS	00249	02.14	34.330	27.45		1462.1							
	STD	00250	02.13	34.34	27.45	00.260	1462.0							
	OBS	00252	02.12	34.368	27.48		1462.1							
	OBS	00259	02.39	34.418	27.50		1463.4							
	OBS	00274	02.62	34.473	27.52		1466.8							
	STD	00300	02.92	34.53	27.54	00.291	1466.6							
	OBS	00300	02.92	34.535	27.54		1466.6							
	OBS	00325	03.04	34.563	27.55		1467.5							
	OBS	00337	02.87	34.528	27.54		1467.0							
	OBS	00349	02.90	34.574	27.58		1467.4							
	OBS	00385	03.13	34.597	27.57		1469.0							
	STD	00400	03.27	34.62	27.58	00.347	1469.8							
	OBS	00400	03.27	34.625	27.58		1469.8							
	OBS	00425	03.40	34.648	27.59		1470.9							
	OBS	00452	03.57	34.696	27.61		1472.1							
	OBS	00469	03.88	34.793	27.66		1473.8							
	OBS	00475	03.90	34.782	27.64		1474.0							
	STD	00500	04.01	34.82	27.67	00.398	1474.9							
	OBS	00501	04.01	34.823	27.67		1474.9							
	OBS	00524	04.07	34.843	27.68		1475.6							
	OBS	00554	04.10	34.851	27.68		1476.2							
	OBS	00579	04.10	34.855	27.68		1476.6							
	STD	00600	04.08	34.86	27.69	00.446	1476.9							
	OBS	00603	04.08	34.858	27.69		1477.0							
	OBS	00607	04.08	34.861	27.69		1477.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01168	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 04	SHIP EV	WET BULB 03.9	18 3 3	WIND-SPD 33	TRACE DIR 0	5 SQUARE 4
LAT 47 02 N	DAY 08	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 046 56 W	HOUR 14.6	AREA 35	CLOUD T/A	CL/TR	WEATHER R4	ORIG IIP 110	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	TKYG	P14	FOT P	N32	N03	SI33	P4
	STD	00000	- 1.19	33.32	26.82	00.000	1461.4							
14.6	OBS	00001	- 1.19	33.316	26.82		1461.4							
	OBS	00004	- 1.19	33.314	26.81		1461.5							
	STD	00010	- 1.19	33.32	26.82	00.012	1461.6							
	STD	00020	- 1.19	33.33	26.83	00.025	1461.8							
	OBS	00026	- 1.19	33.334	26.83		1461.9							
	STD	00030	- 1.23	33.37	26.86	00.037	1461.8							
	OBS	00049	- 1.51	33.522	26.99		1462.0							
	STD	00050	- 1.54	33.53	27.00	00.059	1460.9							
	OBS	00056	- 1.66	33.574	27.04		1460.5							
	OBS	00064	- 1.67	33.604	27.06		1460.6							
	OBS	00070	- 1.16	33.655	27.09		1463.2							
	OBS	00074	- 1.02	33.676	27.10		1464.0							
	STD	00075	- 1.02	33.68	27.10	00.085	1464.0							
	OBS	00094	- 0.86	33.806	27.20		1465.2							
	STD	00100	- 0.62	33.92	27.28	00.107	1466.6							
	OBS	00101	- 0.50	33.930	27.29		1467.2							
	OBS	00105	- 0.25	33.923	27.27		1468.4							
	STD	00125	- 0.14	33.94	27.28	00.127	1469.3							
	STD	00150	00.01	34.06	27.37	00.146	1470.5							
	OBS	00153	00.03	34.090	27.39		1470.7							
	OBS	00164	00.66	34.182	27.43		1473.8							
	OBS	00169	00.82	34.205	27.44		1474.7							
	OBS	00174	00.89	34.206	27.44		1475.1							
	OBS	00178	00.98	34.241	27.46		1475.6							
	OBS	00186	01.51	34.357	27.52		1478.3							
	OBS	00190	02.17	34.442	27.53		1481.4							
	OBS	00194	02.46	34.497	27.55		1482.8							
	STD	00200	02.48	34.50	27.55	00.177	1483.0							
	OBS	00225	02.69	34.520	27.55		1484.3							
	STD	00250	03.00	34.61	27.59	00.204	1486.2							
	OBS	00251	03.06	34.619	27.60		1486.5							
	OBS	00257	03.44	34.683	27.61		1488.3							
	OBS	00273	03.58	34.745	27.65		1489.2							
	STD	00300	03.74	34.77	27.65	00.229	1490.4							
	OBS	00306	03.78	34.781	27.66		1490.7							
	OBS	00325	03.91	34.828	27.68		1491.6							
	OBS	00352	03.96	34.843	27.69		1492.3							
	OBS	00376	04.04	34.865	27.70		1493.0							
	STD	00400	04.07	34.88	27.70	00.275	1493.6							
	OBS	00401	04.07	34.879	27.70		1493.6							
	OBS	00424	04.08	34.889	27.71		1494.0							
	OBS	00455	04.08	34.896	27.72		1494.6							
	OBS	00473	04.07	34.900	27.72		1494.8							
	STD	00500	04.07	34.90	27.72	00.318	1495.3							
	OBS	00502	04.07	34.904	27.72		1495.3							
	OBS	00531	04.07	34.908	27.73		1495.8							
	OBS	00549	04.06	34.910	27.73		1496.1							
	OBS	00578	04.05	34.912	27.73		1496.5							
	STD	00600	04.05	34.91	27.73	00.362	1496.9							
	OBS	00602	04.05	34.915	27.73		1496.9							
	OBS	00629	04.05	34.917	27.74		1497.3							
	OBS	00653	04.04	34.919	27.74		1497.7							
	OBS	00674	04.03	34.919	27.74		1498.0							
	STD	00700	04.03	34.92	27.74	00.405	1498.4							
	OBS	00700	04.03	34.924	27.74		1498.4							
	OBS	00724	04.02	34.926	27.75		1498.8							
	OBS	00750	04.04	34.935	27.75		1499.3							
	OBS	00776	04.04	34.938	27.75		1499.8							
	STD	00800	04.03	34.94	27.76	00.447	1500.1							
	OBS	00800	04.03	34.941	27.76		1500.1							
	STD	00900	04.00	34.95	27.77	00.490	1501.7							
	OBS	00900	04.00	34.955	27.77		1501.7							
	STD	01000	03.95	34.96	27.79	00.532	1503.2							
	OBS	01000	03.95	34.965	27.79		1503.2							
	OBS	01016	03.94	34.964	27.79		1503.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	NODP 00750	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 04	SHIP EV	WET BULB 05.0	24 5 2	WIND-SPD 30	TRACE DIR 0	5 SQUARE 4
LAT 47 05.0N	DAY 08	DATA USE 1	BAROMETR 1005.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 39.5W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	02.95	33.96	27.08	00.000	1461.0							
17.6	OBS	00003	02.95	33.963	27.08		1461.0							
	STD	00010	02.95	33.96	27.09	00.010	1461.2							
	STD	00020	02.95	33.97	27.09	00.020	1461.3							
	OBS	00024	02.95	33.967	27.09		1461.4							
	STD	00030	02.94	33.97	27.09	00.030	1461.5							
	OBS	00049	02.86	33.976	27.10		1461.4							
	STD	00050	02.86	33.98	27.10	00.049	1461.4							
	OBS	00054	02.82	33.952	27.09		1461.3							
	OBS	00057	02.66	33.915	27.07		1460.6							
	OBS	00060	02.58	33.961	27.12		1460.4							
	OBS	00074	02.69	33.995	27.13		1461.1							
	STD	00075	02.69	34.00	27.13	00.073	1461.1							
	STD	00100	02.67	34.00	27.14	00.097	1461.5							
	OBS	00108	02.67	33.999	27.14		1461.6							
	OBS	00124	02.77	34.044	27.17		1462.4							
	STD	00125	02.77	34.04	27.16	00.120	1462.4							
	OBS	00127	02.76	34.022	27.15		1462.3							
	OBS	00133	02.49	34.090	27.23		1461.4							
	OBS	00135	02.56	34.104	27.23		1461.7							
	OBS	00143	01.89	34.083	27.27		1458.9							
	OBS	00148	01.60	34.103	27.31		1457.7							
	STD	00150	02.07	34.20	27.35	00.141	1459.9							
	OBS	00157	03.71	34.492	27.43		1467.5							
	OBS	00163	04.14	34.517	27.41		1469.5							
	OBS	00169	04.16	34.518	27.41		1469.7							
	OBS	00174	04.40	34.559	27.41		1470.8							
	OBS	00199	04.68	34.666	27.47		1472.5							
	STD	00200	04.67	34.67	27.47	00.176	1472.5							
	OBS	00223	04.63	34.751	27.54		1472.8							
	STD	00250	04.92	34.86	27.59	00.205	1474.6							
	OBS	00253	04.92	34.862	27.60		1474.7							
	OBS	00277	04.72	34.836	27.60		1474.2							
	OBS	00287	04.47	34.838	27.63		1473.3							
	OBS	00298	04.64	34.872	27.64		1474.3							
	STD	00300	04.66	34.88	27.64	00.231	1474.4							
	OBS	00327	04.81	34.912	27.65		1475.5							
	OBS	00332	04.80	34.915	27.65		1475.6							
	OBS	00348	04.73	34.908	27.65		1475.5							
	OBS	00354	04.67	34.862	27.63		1475.3							
	OBS	00358	04.63	34.900	27.66		1475.3							
	OBS	00373	04.49	34.886	27.66		1474.9							
	OBS	00398	04.38	34.893	27.68		1474.9							
	STD	00400	04.39	34.89	27.68	00.279	1474.9							
	OBS	00427	04.44	34.919	27.70		1475.6							
	OBS	00452	04.36	34.902	27.69		1475.7							
	OBS	00461	04.31	34.911	27.70		1475.6							
	OBS	00475	04.31	34.914	27.71		1475.9							
	OBS	00499	04.24	34.914	27.71		1476.0							
	STD	00500	04.24	34.91	27.71	00.324	1476.0							
	OBS	00525	04.22	34.916	27.72		1476.3							
	OBS	00576	04.19	34.922	27.73		1477.1							
	OBS	00599	04.15	34.923	27.73		1477.3							
	STD	00600	04.15	34.92	27.73	00.368	1477.3							
	OBS	00626	04.18	34.930	27.73		1477.9							
	OBS	00656	04.17	34.927	27.73		1478.3							
	OBS	00679	04.13	34.928	27.74		1478.5							
	OBS	00698	04.11	34.928	27.74		1478.8							
	STD	00700	04.11	34.93	27.74	00.411	1478.8							
	OBS	00706	04.11	34.927	27.74		1478.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00329	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 04	SHIP EV	WET BULB 03.9	21 2 3	WIND-SPD 23	TRACE DIR 3	5 SQUARE 4
LAT 47 06 N	DAY 08	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 046 24 W	HOUR 20.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P1
	STD	00000	01.82	33.84	27.08	00.000	1455.9							
20.2	OBS	00008	01.82	33.845	27.08		1456.0							
	STD	00010	01.82	33.84	27.08	00.010	1456.1							
	OBS	00010	01.82	33.845	27.08		1456.1							
	OBS	00019	01.82	33.844	27.08		1456.2							
	STD	00020	01.82	33.84	27.08	00.020	1456.2							
	STD	00030	01.79	33.85	27.09	00.030	1456.3							
	OBS	00030	01.79	33.854	27.09		1456.3							
	STD	00050	01.80	33.86	27.09	00.049	1456.6							
	OBS	00050	01.80	33.857	27.09		1456.6							
	OBS	00059	01.91	33.854	27.08		1457.3							
	OBS	00070	01.95	33.914	27.13		1457.7							
	STD	00075	02.26	33.94	27.13	00.073	1459.2							
	OBS	00075	02.26	33.941	27.13		1459.2							
	OBS	00079	02.47	33.991	27.15		1460.3							
	OBS	00090	02.80	34.006	27.13		1461.9							
	STD	00100	02.90	34.00	27.12	00.097	1462.5							
	OBS	00100	02.90	34.004	27.12		1462.5							
	OBS	00110	03.01	34.032	27.13		1463.1							
	STD	00125	03.23	34.09	27.16	00.121	1464.4							
	OBS	00125	03.24	34.092	27.16		1464.5							
	OBS	00131	03.08	34.051	27.14		1463.8							
	OBS	00136	01.67	34.026	27.24		1457.7							
	OBS	00140	01.64	34.042	27.25		1457.7							
	OBS	00145	01.75	34.170	27.35		1458.4							
	STD	00150	02.14	34.25	27.38	00.141	1460.3							
	OBS	00150	02.20	34.258	27.38		1460.6							
	OBS	00160	03.07	34.26 P	27.310*									
	OBS	00175	03.22	34.26 P	27.30Q									
	STD	00200	03.64	34.37	27.35	00.178	1467.8							
	OBS	00200	03.65	34.378	27.35		1467.8							
	OBS	00224	04.00	34.488	27.40		1469.9							
	OBS	00248	04.42	34.596	27.44		1472.2							
	STD	00250	04.46	34.61	27.45	00.213	1472.4							
	OBS	00274	04.79	34.756	27.53		1474.3							
	STD	00300	04.67	34.81	27.58	00.244	1474.3							
	OBS	00300	04.67	34.808	27.58		1474.3							
	OBS	00311	04.64	34.826	27.60		1474.4							

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REFID 31 8296	YEAR 1972	BOTDP 00311	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 04	SHIP EV	WET BULB 01.7	21 2 3	WIND-SPD 10	TRACE DIR 3	5 SQUARE 4
LAT 47 05 N	DAY 08	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 046 04 W	HOUR 22.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 110	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P1
22.6	OBS	00009	00.54	33.535	26.92		1449.9							
	STD	00010	00.54	33.54	26.92		1449.9							
	OBS	00012	00.55	33.540	26.92		1450.0							
	STD	00020	00.52	33.55	26.93		1450.0							
	STD	00030	00.49	33.57	26.95		1450.0							
	OBS	00039	00.45	33.594	26.97		1450.1							
	OBS	00042	00.20	33.88 P	27.21Q									
	OBS	00045	00.93	33.96 P	27.24Q									
	OBS	00048	01.41	33.889	27.15 *		1454.9							
	STD	00050	01.46	33.86	27.12 *		1455.1							
	OBS	00051	01.50	33.836	27.10		1455.3							
	STD	00075	01.55	33.81	27.08		1455.9							
	OBS	00080	01.57	33.809	27.07		1456.1							
	STD	00100	01.66	33.86	27.11		1456.8							
	OBS	00105	01.71	33.875	27.12		1457.2							
	OBS	00124	01.96	33.901	27.12		1458.6							
	STD	00125	01.93	33.88	27.10		1458.5							
	OBS	00128	01.73	33.836	27.08		1457.6							
	OBS	00131	01.43	33.862	27.12		1456.3							
	OBS	00137	01.01	33.830	27.13		1454.5							
	OBS	00142	00.74	33.921	27.22		1453.5							
	STD	00150	02.53	34.18	27.29		1461.9							
	OBS	00154	03.19	34.278	27.31		1465.0							
	OBS	00171	03.26	34.351	27.37		1465.7							
	OBS	00176	03.49	34.469	27.44		1466.9							
	OBS	00182	03.75	34.482	27.42		1468.1							
	OBS	00197	03.81	34.531	27.45		1468.7							
	STD	00200	03.91	34.55	27.46		1469.1							
	OBS	00200	03.91	34.552	27.46		1469.2							
	OBS	00206	04.17	34.577	27.45		1470.4							
	OBS	00208	04.19	34.647	27.51		1470.6							
	OBS	00214	04.78	34.711	27.49		1473.3							
	OBS	00220	04.69	34.681	27.48		1472.9							
	OBS	00225	04.74	34.734	27.52		1473.3							
	OBS	00231	04.90	34.772	27.53		1474.1							
	STD	00250	04.81	34.80	27.56		1474.1							
	OBS	00251	04.80	34.798	27.56		1474.1							
	OBS	00277	04.62	34.820	27.60		1473.8							
	OBS	00286	04.61	34.813	27.59		1473.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—*Continued*

REFID 31 8296 YEAR 1972 BOTDP 00272 AIR TEMP 01.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1306
CONSEC 0011 MONTH 04 SHIP EV WET BULB 01.1 21 2 2 WIND-SPD 12 TRACE DIR 3 5 SQUARE 4
LAT 47 02 N DAY 07 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 64
LONG 045 50 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG IIP 110 1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	02.97	33.93	27.06	00.000	1461.0							
00.0	OBS	00003	02.97	33.929	27.06		1461.1							
	STD	00010	02.98	33.96	27.08	00.010	1461.3							
	STD	00020	03.02	33.99	27.10	00.020	1461.7							
	OBS	00021	03.03	33.991	27.10		1461.7							
	STD	00030	03.11	34.00	27.10	00.030	1462.2							
	OBS	00033	03.14	34.009	27.10		1462.4							
	STD	00050	03.23	34.02	27.11	00.049	1463.1							
	OBS	00050	03.23	34.024	27.11		1463.1							
	STD	00075	02.70	34.00	27.14	00.073	1461.2							
	OBS	00077	02.66	33.996	27.14		1461.1							
	OBS	00096	02.52	34.018	27.17		1460.8							
	STD	00100	02.53	34.04	27.18	00.096	1460.9							
	OBS	00103	02.54	34.048	27.19		1461.0							
	OBS	00118	02.84	34.344	27.40		1463.0							
	OBS	00122	03.51	34.405	27.38		1466.0							
	STD	00125	03.76	34.45	27.39	00.116	1467.2							
	OBS	00126	03.89	34.471	27.40		1467.8							
	OBS	00136	04.36	34.509	27.38		1470.0							
	STD	00150	04.63	34.57	27.40	00.134	1471.4							
	OBS	00152	04.65	34.579	27.40		1471.5							
	OBS	00175	04.30	34.644	27.49		1470.5							
	STD	00200	04.58	34.75	27.54	00.166	1472.2							
	OBS	00203	04.59	34.749	27.54		1472.3							
	OBS	00227	04.75	34.804	27.57		1473.5							
	STD	00250	04.55	34.82	27.61	00.193	1473.0							
	OBS	00253	04.54	34.824	27.61		1473.0							
	OBS	00256	04.53	34.825	27.61		1473.1							

REFID 31 8296 YEAR 1972 BOTDP 00291 AIR TEMP 01.1 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1306
CONSEC 0012 MONTH 04 SHIP EV WET BULB 00.6 04 1 2 WIND-SPD 13 TRACE DIR 3 5 SQUARE 4
LAT 47 21 N DAY 09 DATA USE 1 BAROMETR 1010.5 SEA WIND-FOR DURATION 03.1 2 SQUARE 64
LONG 045 46 W HOUR 02.5 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG IIP 110 1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	- 0.60	33.52	26.96	00.000	1444.5							
02.5	OBS	00004	- 0.60	33.525	26.96		1444.6							
	OBS	00009	- 0.62	33.548	26.98		1444.6							
	STD	00010	- 0.62	33.55	26.98	00.011	1444.6							
	STD	00020	- 0.57	33.56	26.99	00.022	1445.0							
	OBS	00020	- 0.56	33.560	26.99		1445.1							
	STD	00030	- 0.45	33.61	27.03	00.032	1445.8							
	OBS	00031	- 0.42	33.615	27.03		1445.9							
	OBS	00043	00.10	33.689	27.07		1449.6							
	OBS	00049	00.31	33.744	27.10		1449.8							
	STD	00050	00.31	33.74	27.10	00.052	1449.8							
	OBS	00055	00.65	33.769	27.10		1451.5							
	OBS	00059	00.98	33.859	27.15		1453.1							
	STD	00075	01.58	33.93	27.17	00.076	1456.2							
	OBS	00078	01.59	33.930	27.17		1456.3							
	OBS	00091	01.23	33.887	27.16		1454.8							
	OBS	00096	01.20	33.881	27.16		1454.8							
	STD	00100	00.77	33.77	27.10	00.100	1452.8							
	OBS	00100	00.73	33.768	27.09		1452.6							
	OBS	00107	00.20	33.884	27.22		1450.4							
	STD	00125	00.45	34.05	27.34	00.121	1452.1							
	OBS	00127	00.52	34.072	27.35		1452.5							
	OBS	00140	01.02	34.183	27.41		1455.1							
	OBS	00145	01.27	34.232	27.43		1456.4							
	STD	00150	01.67	34.27	27.43	00.139	1458.3							
	OBS	00150	01.67	34.271	27.43		1458.3							
	OBS	00153	02.03	34.351	27.47		1460.0							
	OBS	00165	04.42	34.639	27.48		1470.8							
	OBS	00176	04.36	34.604	27.45		1470.7							
	STD	00200	04.85	34.74	27.51	00.170	1473.3							
	OBS	00204	04.88	34.754	27.52		1473.6							
	OBS	00229	04.74	34.755	27.53		1473.4							
	STD	00250	04.74	34.81	27.58	00.199	1473.8							
	OBS	00251	04.74	34.815	27.58		1473.8							
	OBS	00262	04.72	34.821	27.59		1473.9							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00677	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0013	MONTH 06	SHIP EV	WET BULB 00.0	27 2 2	WIND-SPD 17	TRACE DIR 0	5 SQUARE 4
LAT 47 49 N	DAY 07	DATA USE 1	BAROMETR 1009.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 64
LONG 045 50 W	HOUR 06.4	AREA 05	CLOUD T/A	CL/TR	WEATHER XS	GRID IDP 110	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	- 0.16											
06.4	OBS	00004	- 0.16											
	STD	00010	- 0.12											
	STD	00020	- 0.07											
	OBS	00021	- 0.07											
	STD	00030	- 0.06											
	OBS	00030	- 0.06											
	OBS	00037	00.01											
	OBS	00045	01.08											
	OBS	00049	01.46											
	STD	00050	01.49											
	OBS	00053	01.70											
	STD	00075	02.16											
	OBS	00075	02.18											
	OBS	00085	02.38											
	OBS	00092	02.20											
	OBS	00096	01.55											
	STD	00100	01.17											
	OBS	00100	01.11											
	OBS	00105	00.68											
	OBS	00109	00.10											
	OBS	00113	00.09											
	OBS	00117	00.17											
	OBS	00122	00.45											
	STD	00125	00.53											
	OBS	00126	00.55											
	OBS	00130	00.55											
	OBS	00134	00.92											
	OBS	00138	01.19											
	STD	00150	01.43											
	OBS	00150	01.44											
	OBS	00153	01.57											
	OBS	00157	01.92											
	OBS	00160	02.19											
	OBS	00168	02.23											
	OBS	00171	02.59											
	OBS	00174	02.76											
	OBS	00177	02.78											
	OBS	00181	02.88											
	OBS	00185	03.29											
	OBS	00189	03.43											
	OBS	00193	04.07											
	OBS	00196	04.61											
	STD	00200	04.67											
	OBS	00201	04.67											
	OBS	00209	04.53											
	OBS	00212	04.63											
	OBS	00216	04.87											
	OBS	00225	04.94											
	OBS	00233	04.70											
	OBS	00237	04.67											
	OBS	00241	04.79											
	OBS	00244	04.83											
	OBS	00249	04.17											
	STD	00250	04.17											
	OBS	00253	04.17											
	OBS	00257	03.97											
	OBS	00261	03.92											
	OBS	00267	04.13											
	OBS	00278	03.93											
	OBS	00293	04.10											
	OBS	00298	04.10											
	STD	00300	04.02											
	OBS	00301	03.97											
	OBS	00340	03.94											
	STD	00400	04.08											
	OBS	00417	04.10											
	OBS	00428	04.11											
	OBS	00454	04.12											
	OBS	00478	04.10											
	STD	00500	04.08											
	OBS	00501	04.08											
	OBS	00528	04.11											
	OBS	00550	04.12											
	OBS	00578	04.14											
	STD	00600	04.14											
	OBS	00602	04.14											
	OBS	00630	04.09											
	OBS	00649	04.14											

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 01137	AIR TEMP 01.1	DIR MGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 04	SHIP EV	WET BULB 00.6	12 0 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 48 12 N	DAY 09	DATA USE 1	BAROMETR 1008.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 04
LONG 045 55 W	HOUR 10.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 05

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXFG	P36	TOT P	N02	N03	SI33	P4
	STD	00000	- 1.11	33.46	26.93	00.000	1442.0							
10.3	OBS	00000	- 1.11	33.462	26.93		1442.0							
	OBS	00004	- 1.09	33.480	26.95		1442.2							
	STD	00010	- 1.09	33.49	26.95	00.011	1442.3							
	OBS	00018	- 1.08	33.502	26.96		1442.5							
	STD	00020	- 1.01	33.53	26.98	00.022	1442.9							
	OBS	00024	- 0.88	33.585	27.02		1443.7							
	STD	00030	- 0.92	33.59	27.03	00.033	1443.6							
	OBS	00043	- 1.02	33.629	27.06		1443.6							
	OBS	00049	- 0.87	33.661	27.08		1444.2							
	STD	00050	- 0.87	33.67	27.09	00.053	1444.2							
	OBS	00060	- 0.89	33.751	27.16		1444.4							
	OBS	00062	- 0.79	33.836	27.22		1445.1							
	OBS	00073	- 0.09	34.054	27.37		1448.8							
	STD	00075	00.09	34.07	27.37	00.074	1449.6							
	OBS	00076	00.31	34.096	27.38		1450.7							
	OBS	00083	00.93	34.209	27.44		1453.8							
	STD	00100	01.30	34.24	27.44	00.091	1455.8							
	OBS	00100	01.31	34.241	27.44		1455.8							
	OBS	00114	01.59	34.317	27.48		1457.4							
	STD	00125	01.85	34.38	27.51	00.107	1458.8							
	OBS	00125	01.88	34.386	27.51		1459.0							
	OBS	00136	02.35	34.544	27.60		1461.4							
	OBS	00139	02.63	34.572	27.60		1462.7							
	OBS	00148	03.01	34.560	27.56 *		1464.5							
	STD	00150	03.02	34.56	27.56	00.121	1464.6							
	OBS	00174	03.25	34.613	27.57		1466.0							
	OBS	00199	03.38	34.649	27.59		1467.0							
	STD	00200	03.37	34.65	27.59	00.148	1467.0							
	OBS	00224	03.25	34.648	27.60		1466.9							
	STD	00250	03.35	34.69	27.63	00.173	1467.8							
	OBS	00251	03.35	34.694	27.63		1467.8							
	OBS	00276	03.47	34.738	27.65		1468.8							
	OBS	00299	03.78	34.793	27.67		1470.6							
	STD	00300	03.78	34.79	27.67	00.197	1470.6							
	OBS	00325	03.93	34.858	27.70		1471.7							
	OBS	00349	04.06	34.847	27.68		1472.7							
	OBS	00374	04.10	34.869	27.69		1473.3							
	STD	00400	04.14	34.87	27.69	00.243	1473.9							
	OBS	00401	04.14	34.875	27.69		1473.9							
	OBS	00431	04.14	34.882	27.70		1474.4							
	OBS	00453	04.13	34.884	27.70		1474.7							
	OBS	00476	04.11	34.887	27.71		1475.0							
	OBS	00499	04.11	34.890	27.71		1475.4							
	STD	00500	04.11	34.89	27.71	00.288	1475.4							
	OBS	00527	04.10	34.892	27.71		1475.8							
	OBS	00549	04.09	34.895	27.71		1476.2							
	OBS	00577	04.08	34.897	27.72		1476.6							
	STD	00600	04.08	34.90	27.72	00.332	1477.0							
	OBS	00602	04.08	34.899	27.72		1477.0							
	OBS	00625	04.08	34.902	27.72		1477.4							
	OBS	00650	04.07	34.903	27.72		1477.8							
	OBS	00676	04.07	34.906	27.73		1478.2							
	STD	00700	04.06	34.91	27.73	00.377	1478.6							
	OBS	00703	04.06	34.909	27.73		1478.6							
	OBS	00724	04.06	34.911	27.73		1479.0							
	OBS	00752	04.05	34.913	27.73		1479.4							
	OBS	00784	04.04	34.917	27.74		1479.9							
	STD	00800	04.05	34.92	27.74	00.421	1480.2							
	OBS	00803	04.05	34.921	27.74		1480.2							
	OBS	00826	04.04	34.922	27.74		1480.6							
	OBS	00849	04.04	34.924	27.74		1481.0							
	STD	00900	04.01	34.93	27.75	00.466	1481.7							
	OBS	00910	04.00	34.927	27.75		1481.8							
	OBS	00924	03.99	34.928	27.75		1482.0							
	OBS	00950	03.97	34.929	27.75		1482.4							
	OBS	00990	03.94	34.930	27.76		1482.9							
	STD	01000	03.92	34.93	27.76	00.510	1483.0							
	OBS	01085	03.85	34.931	27.77		1484.1							
	OBS	01091	03.85	34.932	27.77		1484.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 01691	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0016	MONTH 04	SHIP EV	WET BULB 03.3	19 4 3	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 45 50 N	DAY 10	DATA USE 1	BAROMETR 1007.8	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 46
LONG 046 00 W	HOUR 07.4	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG TIP 110	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	pH
	STD	00000	07.04	34.34	26.92	00.000	1478.3							
07.4	OBS	00002	07.04	34.343	26.92		1478.4							
	STD	00010	07.05	34.34	26.92	00.011	1478.5							
	STD	00020	07.06	34.38	26.94	00.023	1478.8							
	OBS	00021	07.06	34.386	26.95		1479.8							
	OBS	00026	07.30	34.426	26.95		1479.9							
	STD	00030	07.21	34.41	26.95	00.034	1479.6							
	OBS	00040	07.13	34.407	26.95		1479.4							
	OBS	00049	07.29	34.461	26.97		1480.3							
	STD	00050	07.26	34.45	26.97	00.056	1480.2							
	OBS	00069	07.09	34.387	26.94 *		1479.7							
	STD	00075	07.29	34.54	27.04	00.083	1480.8							
	OBS	00077	07.39	34.566	27.04		1481.3							
	OBS	00086	06.46	34.399	27.04		1477.6							
	OBS	00090	06.50	34.435	27.06		1477.8							
	OBS	00099	05.27	34.233	27.06		1472.7							
	STD	00100	05.29	34.24	27.06	00.109	1472.8							
	OBS	00101	05.31	34.260	27.07		1473.0							
	OBS	00111	07.07	34.637	27.14		1480.7							
	OBS	00119	06.98	34.639	27.16		1480.5							
	STD	00125	06.86	34.61	27.15	00.134	1480.0							
	OBS	00125	06.86	34.607	27.15		1480.0							
	OBS	00130	06.57	34.546	27.14		1478.9							
	OBS	00140	05.69	34.454	27.18		1475.4							
	OBS	00148	05.47	34.480	27.23		1474.7							
	STD	00150	05.45	34.47	27.22	00.156	1474.6							
	OBS	00163	05.22	34.426	27.22		1473.8							
	OBS	00170	05.09	34.461	27.26		1473.5							
	OBS	00181	04.35	34.387	27.28		1470.5							
	OBS	00199	04.40	34.460	27.34		1471.1							
	STD	00200	04.40	34.46	27.34	00.198	1471.1							
	OBS	00204	04.46	34.513	27.37		1471.5							
	OBS	00211	05.10	35.86 P	28.370									
	OBS	00215	05.30	34.657	27.39 *		1475.3							
	OBS	00224	05.45	34.729	27.43		1476.2							
	OBS	00249	05.13	34.695	27.44		1475.2							
	STD	00250	05.13	34.70	27.44	00.234	1475.3							
	OBS	00273	05.13	34.767	27.50		1475.7							
	OBS	00298	05.05	34.809	27.54		1475.9							
	STD	00300	05.06	34.81	27.54	00.265	1475.9							
	OBS	00326	05.12	34.860	27.57		1476.7							
	OBS	00332	05.11	34.876	27.59		1476.8							
	OBS	00344	05.13	34.884	27.59		1477.1							
	OBS	00348	05.12	34.891	27.60		1477.1							
	OBS	00375	04.97	34.901	27.62		1476.9							
	STD	00400	04.91	34.90	27.63	00.321	1477.1							
	OBS	00400	04.91	34.904	27.63		1477.1							
	OBS	00429	04.73	34.912	27.66		1476.9							
	OBS	00453	04.61	34.919	27.68		1476.8							
	OBS	00478	04.56	34.923	27.69		1477.0							
	STD	00500	04.51	34.92	27.69	00.370	1477.1							
	OBS	00501	04.51	34.924	27.69		1477.2							
	OBS	00532	04.75	34.981	27.71		1478.7							
	OBS	00557	04.64	34.964	27.71		1478.7							
	STD	00600	04.45	34.97	27.74	00.415	1478.6							
	OBS	00600	04.45	34.974	27.74		1478.6							
	OBS	00650	04.36	34.943	27.72		1479.0							
	OBS	00667	04.26	34.946	27.74		1478.9							
	STD	00700	04.26	34.95	27.74	00.459	1479.4							
	OBS	00704	04.26	34.945	27.74		1479.5							
	OBS	00725	04.16	34.923	27.73		1479.4							
	OBS	00785	04.27	34.965	27.75		1480.9							
	STD	00800	04.29	34.97	27.75	00.503	1481.2							
	OBS	00835	04.30	34.977	27.76		1481.9							
	OBS	00870	04.27	34.974	27.76		1482.3							
	STD	00900	04.11	34.96	27.76	00.546	1482.2							
	OBS	00901	04.11	34.958	27.76		1482.2							
	OBS	00952	04.09	34.950	27.76		1482.9							
	OBS	00988	04.16	34.968	27.77		1483.8							
	STD	01000	04.17	34.97	27.76	00.590	1484.1							
	OBS	01002	04.17	34.969	27.76		1484.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00503	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0017	MONTH 04	SHIP EV	WET BULB 09.4	20 1 2	WIND-SPD 04	TRACE DIR 0	5 SQUARE 4
LAT 46 00 N	DAY 10	DATA USE 1	BAROMETR 1008.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 22 W	HOUR 10.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X?	ORIG IIP 117	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	06.36	34.18	26.88	00.000	1475.4							
10.8	OBS	00003	06.36	34.176	26.88		1475.5							
	OBS	00006	06.63	34.312	26.95		1476.8							
	OBS	00008	07.09	34.389	26.95		1478.7							
	STD	00010	07.14	34.38	26.93	00.012	1479.0							
	OBS	00012	07.23	34.367	26.91		1479.3							
	STD	00020	07.27	34.39	26.92	00.023	1479.6							
	OBS	00027	07.33	34.409	26.93		1480.0							
	STD	00030	07.35	34.42	26.93	00.034	1480.2							
	STD	00050	07.56	34.52	26.98	00.057	1481.4							
	OBS	00057	07.63	34.542	26.99		1481.8							
	STD	00075	07.80	34.58	27.00	00.084	1482.9							
	OBS	00075	07.81	34.586	27.00		1482.9							
	OBS	00095	07.57	34.526	26.99		1482.2							
	STD	00100	07.33	34.58	27.06	00.110	1481.4							
	OBS	00100	07.30	34.588	27.07		1481.3							
	OBS	00107	07.10	34.631	27.14		1480.7							
	OBS	00114	06.75	34.629	27.18		1479.5							
	OBS	00117	06.42	34.620	27.22		1478.2							
	OBS	00123	06.28	34.624	27.24		1477.7							
	STD	00125	06.26	34.62	27.24	00.134	1477.7							
	OBS	00126	06.24	34.619	27.24		1477.6							
	OBS	00148	05.88	34.553	27.24		1476.4							
	STD	00150	05.62	34.53	27.25	00.155	1475.4							
	OBS	00153	05.26	34.492	27.26		1473.9							
	OBS	00156	05.13	34.478	27.27		1473.4							
	OBS	00162	05.20	34.535	27.30		1473.9							
	OBS	00166	05.15	34.617	27.38		1473.9							
	OBS	00174	05.59	34.681	27.37		1475.9							
	OBS	00177	05.61	34.662	27.36		1476.0							
	STD	00200	05.52	34.67	27.37	00.195	1476.0							
	OBS	00200	05.51	34.666	27.37		1476.0							
	OBS	00224	05.11	34.576	27.35		1474.6							
	OBS	00230	04.72	34.564	27.38		1473.1							
	OBS	00234	04.60	34.600	27.43		1472.7							
	OBS	00246	04.46	34.616	27.45		1472.3							
	STD	00250	04.54	34.70	27.51	00.229	1472.8							
	OBS	00250	04.56	34.714	27.52		1472.9							
	OBS	00271	05.05	34.797	27.53		1475.4							
	OBS	00275	05.28	34.892	27.58		1476.5							
	OBS	00278	05.64	34.921	27.56		1478.1							
	OBS	00281	05.73	34.913	27.54		1478.5							
	STD	00300	05.42	34.88	27.55	00.259	1477.5							
	OBS	00303	05.41	34.877	27.55		1477.5							
	OBS	00306	05.42	34.902	27.57		1477.6							
	OBS	00315	05.32	34.896	27.58		1477.4							
	OBS	00326	05.27	34.892	27.58		1477.4							
	OBS	00352	05.11	34.918	27.62		1477.2							
	OBS	00383	05.05	34.938	27.64		1477.4							
	STD	00400	05.00	34.93	27.64	00.313	1477.5							
	OBS	00400	05.00	34.931	27.64		1477.5							
	OBS	00427	04.72	34.927	27.67		1476.8							
	OBS	00443	04.58	34.937	27.69		1476.5							
	OBS	00468	04.58	34.939	27.70		1476.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 3296	YEAR 1972	3OTOP 01183	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1336
CONSEC 0018	MONTH 04	SHIP EV	WET BULB 08.3	09 3 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 46 04 N	DAY 10	DATA USE 1	BAROMETR 1009.5	SEA	WIND-FOR	DURATION 03.5	2 SQUARE 66
LONG 046 46 W	HOUR 12.8	AREA 05	CLOUD T/A	CL/TR	#FATHER x1	ORIG IIP 113	1 SQUARE 66

CAST NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	P4
	STD	00000	00.15	33.24	26.70	00.000	1447.5							
12.8	OBS	00004	00.15	33.238	26.70		1447.6							
	OBS	00006	00.09	33.300	26.75		1447.5							
	STD	00010	00.70	33.32	26.73	00.013	1450.3							
	OBS	00018	01.03	33.481	26.85		1452.2							
	STD	00020	00.50	33.54	26.93	00.026	1449.9							
	OBS	00024	00.16	33.735	27.10		1448.7							
	OBS	00027	01.08 P	33.881	27.160									
	STD	00030	02.36	34.02	27.18	00.036	1459.0							
	OBS	00030	01.89 P	34.040	27.230									
	OBS	00033	03.47	34.34 P	27.340									
	OBS	00036	04.20	34.188	27.14 *		1467.2							
	OBS	00038	04.85	34.255	27.12		1470.0							
	OBS	00041	05.05	34.147	27.02 *		1470.8							
	OBS	00046	05.04	34.186	27.04		1471.0							
	OBS	00049	05.43	34.272	27.07		1472.6							
	STD	00050	05.53	34.36	27.13	00.054	1473.1							
	OBS	00052	05.81	34.490	27.20		1474.5							
	OBS	00054	05.95	34.259	27.00 *		1474.8							
	OBS	00057	06.02	34.393	27.09		1475.3							
	OBS	00060	06.41	34.438	27.08		1477.0							
	OBS	00068	05.76	34.413	27.14		1474.5							
	OBS	00071	05.91	34.347	27.07 *		1475.0							
	STD	00075	05.33	34.27	27.08	00.079	1472.6							
	OBS	00080	04.54	34.181	27.10		1469.3							
	OBS	00083	04.29	34.165	27.11		1468.3							
	STD	00100	03.83	34.22	27.21	00.102	1466.8							
	OBS	00101	03.83	34.230	27.21		1466.8							
	OBS	00104	03.84	34.247	27.23		1466.9							
	OBS	00110	04.11	34.295	27.24		1468.2							
	OBS	00115	04.07	34.318	27.26		1468.1							
	OBS	00121	04.30	34.378	27.28		1469.3							
	OBS	00124	04.56	34.499	27.35		1470.6							
	STD	00125	04.66	34.51	27.35	00.123	1471.0							
	OBS	00127	04.89	34.535	27.34		1472.0							
	OBS	00142	05.42	34.650	27.36		1474.9							
	OBS	00144	05.79	34.694	27.36		1476.2							
	OBS	00148	05.94	34.692	27.34		1476.9							
	STD	00150	05.97	34.68	27.33	00.142	1477.0							
	OBS	00150	05.98	34.683	27.33		1477.1							
	OBS	00156	06.13	34.725	27.33		1478.0							
	OBS	00163	06.14	34.664	27.29 *		1477.9							
	OBS	00170	05.59	34.593	27.30		1475.7							
	OBS	00174	05.47	34.636	27.35		1475.3							
	OBS	00198	05.38	34.665	27.39		1475.4							
	STD	00200	05.43	34.67	27.39	00.179	1475.6							
	OBS	00210	05.57	34.716	27.40		1476.4							
	OBS	00213	05.55	34.776	27.45		1476.5							
	OBS	00217	05.87	34.439	27.46		1477.9							
	OBS	00223	05.93	34.818	27.44		1478.2							
	OBS	00249	04.77	34.669	27.46		1473.7							
	STD	00250	04.75	34.67	27.47	00.214	1473.6							
	OBS	00276	04.64	34.725	27.52		1473.7							
	OBS	00283	04.72	34.763	27.54		1474.2							
	OBS	00285	04.86	34.847	27.59		1474.9							
	OBS	00288	05.04	34.851	27.57		1475.9							
	OBS	00299	05.41	34.926	27.59		1477.5							
	STD	00300	05.41	34.92	27.59	00.244	1477.5							
	OBS	00327	05.26	34.899	27.59		1477.3							
	OBS	00351	05.07	34.946	27.65		1477.0							
	OBS	00373	05.22	34.955	27.63		1478.0							
	OBS	00398	05.16	34.972	27.66		1478.2							
	STD	00400	05.16	34.97	27.66	00.296	1478.2							
	OBS	00424	05.16	34.988	27.67		1478.6							
	OBS	00438	05.13	34.993	27.68		1478.8							
	OBS	00447	05.12	34.997	27.68		1478.9							
	OBS	00451	05.12	34.995	27.68		1478.9							
	OBS	00486	05.01	34.975	27.68		1479.0							
	STD	00500	04.91	34.98	27.69	00.344	1478.9							
	OBS	00500	04.91	34.985	27.70		1478.9							
	OBS	00527	04.89	34.990	27.70		1479.2							
	OBS	00550	04.80	34.983	27.71		1479.2							
	OBS	00575	04.75	34.979	27.71		1479.5							
	OBS	00599	04.72	34.987	27.72		1479.7							
	STD	00600	04.71	34.98	27.72	00.391	1479.7							
	OBS	00625	04.57	34.946	27.70		1479.5							
	OBS	00650	04.39	34.945	27.72		1479.2							
	STD	00700	04.23	34.94	27.74	00.435	1479.3							
	OBS	00700	04.23	34.942	27.74		1479.3							
	OBS	00724	04.22	34.943	27.74		1479.7							
	OBS	00751	04.20	34.942	27.74		1480.0							
	OBS	00777	04.17	34.944	27.75		1480.3							
	STD	00800	04.17	34.95	27.75	00.479	1480.7							
	OBS	00802	04.17	34.946	27.75		1480.8							
	STD	00900	04.07	34.94	27.75	00.523	1482.0							
	STD	01000	03.81	34.94	27.78	00.566	1482.5							
	OBS	01020	03.74	34.939	27.79		1482.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REPID 31 8296	YEAR 1972	BOTDP 01248	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0019	MONTH 04	SHIP FV	WET BULB 04.3	10 5 7	WIND-SPD 14	TRACE DIR 3	5 SQUARE 4
LAT 46 10 N	DAY 17	DATA USE 1	BAROMETR 1011.2	SEA	WIND-FOR	DURATION 03.6	2 SQUARE 66
LONG 047 00 W	HOUR 15.0	AREA 05	CLOUD 7/4	CL/TR	WEATHER 41	ORIG TIP 110	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.64	33.00	25.54	00.000	1443.6							
15.0	OBS	00002	- 0.64	32.997	25.54		1443.6							
	STD	00010	- 0.78	32.97	26.52	00.015	1443.0							
	OBS	00010	- 0.82	32.967	26.52		1442.8							
	OBS	00013	- 1.15	33.110	26.65		1441.5							
	OBS	00015	- 1.32	33.232	26.75		1441.0							
	STD	00020	- 1.41	33.26	26.77	00.029	1440.7							
	OBS	00021	- 1.42	33.279	26.79		1440.6							
	OBS	00024	- 1.42	33.370	26.87		1441.8							
	STD	00030	- 1.33	33.39	26.88	00.041	1441.4							
	OBS	00049	- 1.13	33.480	26.95		1442.8							
	STD	00050	- 1.13	33.48	26.95	00.064	1442.8							
	OBS	00051	- 1.12	33.491	26.96		1442.9							
	OBS	00073	- 0.54	33.617	27.04		1446.1							
	STD	00075	- 0.53	33.62	27.04	00.091	1446.2							
	OBS	00076	- 0.52	33.620	27.04		1446.2							
	OBS	00079	- 0.59	33.629	27.05		1446.0							
	OBS	00082	- 0.49	33.729	27.12		1446.6							
	OBS	00085	- 0.28	33.749	27.13		1447.7							
	STD	00100	- 0.02	33.83	27.18	00.115	1449.2							
	OBS	00100	00.01	33.834	27.19		1449.4							
	OBS	00104	00.22	33.873	27.21		1450.5							
	OBS	00115	- 0.03	33.870	27.22		1449.5							
	OBS	00118	- 0.08	33.908	27.25		1449.4							
	STD	00125	00.03	33.94	27.27	00.136	1450.0							
	OBS	00125	00.03	33.943	27.27		1450.0							
	OBS	00145	00.30	34.038	27.34		1451.7							
	OBS	00148	00.46	34.106	27.38		1452.6							
	STD	00150	00.50	34.11	27.38	00.155	1452.8							
	OBS	00165	00.87	34.194	27.43		1454.9							
	OBS	00172	01.44	34.251	27.44		1457.6							
	OBS	00198	01.70	34.333	27.48		1459.7							
	STD	00200	01.81	34.35	27.49	00.188	1459.9							
	OBS	00224	02.36	34.512	27.57		1462.9							
	OBS	00227	02.53	34.500	27.55		1463.6							
	STD	00250	02.82	34.57	27.58	00.217	1465.4							
	OBS	00250	02.83	34.570	27.58		1465.4							
	OBS	00275	03.12	34.609	27.58		1467.1							
	OBS	00298	03.21	34.630	27.59		1467.9							
	STD	00300	03.22	34.63	27.59	00.243	1468.0							
	OBS	00324	03.42	34.681	27.61		1469.3							
	OBS	00352	03.70	34.753	27.64		1471.1							
	OBS	00374	03.82	34.779	27.65		1472.0							
	OBS	00398	04.02	34.860	27.69		1473.3							
	STD	00400	04.02	34.86	27.69	00.292	1473.3							
	OBS	00425	04.12	34.855	27.68		1474.2							
	OBS	00451	04.38	34.898	27.69		1475.4							
	OBS	00474	04.67	34.955	27.70		1477.4							
	STD	00500	04.66	34.97	27.71	00.337	1477.8							
	OBS	00501	04.66	34.967	27.71		1477.8							
	OBS	00526	04.65	34.977	27.72		1478.2							
	OBS	00549	04.62	34.975	27.72		1478.5							
	OBS	00574	04.47	34.968	27.72		1478.2							
	STD	00600	04.38	34.94	27.72	00.382	1478.3							
	OBS	00600	04.38	34.944	27.72		1478.3							
	OBS	00624	04.34	34.941	27.72		1478.5							
	OBS	00651	04.42	34.982	27.75		1479.3							
	OBS	00677	04.38	34.956	27.73		1479.6							
	STD	00700	04.38	34.97	27.74	00.427	1480.0							
	OBS	00701	04.38	34.967	27.74		1480.0							
	OBS	00724	04.38	34.960	27.74		1480.4							
	OBS	00752	04.26	34.949	27.74		1480.3							
	OBS	00773	04.25	34.953	27.74		1480.6							
	STD	00800	04.20	34.94	27.74	00.471	1480.8							
	OBS	00800	04.20	34.941	27.74		1480.8							
	OBS	00828	04.17	34.945	27.75		1481.2							
	OBS	00850	04.15	34.942	27.75		1481.5							
	OBS	00873	04.15	34.945	27.75		1481.9							
	STD	00900	04.14	34.95	27.75	00.516	1482.3							
	OBS	00903	04.14	34.946	27.75		1482.3							
	OBS	00930	04.14	34.949	27.75		1482.8							
	OBS	00949	04.14	34.950	27.75		1483.1							
	OBS	00989	04.10	34.937	27.75		1483.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00486	AIR TEMP 02·2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0021	MONTH 04	SHIP EV	WET BULB 01.1	19 4 3	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 46 18 N	DAY 10	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 24 W	HOUR 18.7	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG IIP 110	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0·99	32.95	26.51	00.000	1441.9							
18.7	OBS	00000	- 0.99	32.949	26.51		1441.9							
	STD	00010	- 1.00	32·96	26.52	00.015	1442.0							
	STD	00020	- 1.01	32·96	26.52	00.030	1442.1							
	OBS	00025	- 1.01	32.965	26.53		1442.2							
	STD	00030	- 1.08	32.93	26.50 *	00·046	1441.9							
	OBS	00031	- 1.10	32.928	26.50		1441.8							
	OBS	00046	- 1.36	33.097	26.64		1441.1							
	STD	00050	- 1.43	33.13	26.67	00.075	1440.9							
	OBS	00052	- 1.46	33.156	26.69		1440.8							
	OBS	00073	- 1.34	33·275	26.79		1441.9							
	STD	00075	- 1.32	33·29	26·80	00.108	1442.0							
	OBS	00098	- 1.04	33.446	26.92		1443.9							
	STD	00100	- 1.00	33.45	26.92	00.138	1444.1							
	OBS	00123	- 0.91	33.534	26.98		1445.1							
	STD	00125	- 0.96	33.55	27.00	00.165	1444.9							
	OBS	00126	- 0.97	33.556	27.00		1444.9							
	OBS	00130	- 0.76	33.539	26.98		1445.9							
	OBS	00133	- 0.74	33.520	26.97		1446.0							
	OBS	00139	- 1.03	33.514	26.97		1444.8							
	OBS	00148	- 1.16	33.525	26·98		1444.3							
	STD	00150	- 1.17	33.53	26.99	00·192	1444.3							
	OBS	00160	- 1.27	33.610	27.06		1444.1							
	OBS	00165	- 0.59	33.753	27.15		1447·6							
	OBS	00175	- 0·27	33.774	27.15		1449.2							
	OBS	00179	- 0.25	33.787	27.16		1449.4							
	OBS	00183	- 0.39	33·834	27.21		1448.9							
	OBS	00188	00.13	34.006	27·32		1451.6							
	OBS	00191	00.60	33.991	27.28 *		1453.8							
	STD	00200	00.65	34.00	27.29	00.238	1454.2							
	OBS	00224	00.90	34.066	27·32		1455.8							
	OBS	00248	01.27	34.164	27.38		1458.0							
	STD	00250	01.29	34.17	27.38	00·276	1458·1							
	OBS	00277	01.65	34.262	27.43		1460.3							
	STD	00300	02.03	34.35	27.47	00·310	1462·5							
	OBS	00301	02.06	34.360	27.48		1462.6							
	OBS	00327	02·42	34·467	27.53		1464.8							
	OBS	00337	02·54	34·481	27.53		1465.5							
	OBS	00349	02.73	34.525	27.55		1466.5							
	OBS	00377	03.28	34·680	27.63		1469.6							
	STD	00400	03.72	34.79	27.67	00·365	1472.0							
	OBS	00400	03.73	34.790	27·67		1472.0							
	OBS	00427	03.92	34.820	27.67		1473.3							
	OBS	00450	04.01	34.849	27.69		1474.1							
	OBS	00465	04.02	34.854	27.69		1474.4							

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REFID 31 8296	YEAR 1972	BOTDP 00196	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0022	MONTH 04	SHIP EV	WET BULB 01.1	19 3 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 4
LAT 46 19.7N	DAY 10	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 35.0W	HOUR 20.4	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG IIP 110	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 1.09	32.89	26.47	00.000	1441.3							
20.4	OBS	00008	- 1.09	32.890	26.47		1441.4							
	STD	00010	- 1.09	32.89	26.47	00.016	1441.5							
	OBS	00010	- 1·09	32.893	26.47		1441.5							
	STD	00020	- 1·09	32.89	26.47	00.031	1441.6							
	OBS	00020	- 1.09	32.893	26.47		1441.6							
	STD	00030	- 1.10	32.89	26.47	00.047	1441.8							
	OBS	00030	- 1.10	32·894	26.47		1441.8							
	OBS	00042	- 1.09	32.886	26.47		1442.0							
	STD	00050	- 1.33	32.88	26·46	00.078	1441.0							
	OBS	00050	- 1.33	32.875	26.46		1441.0							
	STD	00075	- 1.51	33.01	26·58	00·116	1440.7							
	OBS	00075	- 1.51	33.009	26.58		1440·7							
	OBS	00099	- 1.42	33.134	26.68		1441.7							
	STD	00100	- 1·42	33.13	26.68	00.152	1441.7							
	OBS	00124	- 1.29	33.270	26.78		1443.0							
	STD	00125	- 1·29	33·27	26.78	00.185	1443.0							
	OBS	00143	- 1.00	33.441	26.91		1444.9							
	STD	00150	- 1.00	33.46	26·92	00.215	1445.0							
	OBS	00162	- 1.00	33.465	26.93		1445.2							
	OBS	00170	- 0.98	33.458	26.92		1445.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00146	AIR TEMP 00.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0023	MONTH 04	SHIP EV	WET BULB 00.0	19 4 2	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 46 20 N	DAY 10	DATA USE 1	BAROMETR 1012.2	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 66
LONG 047 45 W	HOUR 21.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	P4
	STD	00000	- 0.89	32.89	26.46	00.000	1442.2							
21.8	OBS	00000	- 0.89	32.892	26.46		1442.2							
	STD	00010	- 0.89	32.89	26.46	00.016	1442.4							
	OBS	00010	- 0.89	32.892	26.46		1442.4							
	STD	00020	- 0.91	32.89	26.46	00.031	1442.5							
	OBS	00021	- 0.92	32.892	26.47		1442.5							
	STD	00030	- 0.96	32.89	26.47	00.047	1442.4							
	OBS	00032	- 0.98	32.890	26.47		1442.3							
	OBS	00039	- 1.13	32.878	26.46		1441.8							
	OBS	00043	- 1.28	32.930	26.51		1441.2							
	STD	00050	- 1.35	32.98	26.55	00.078	1441.0							
	OBS	00050	- 1.35	32.983	26.55		1441.0							
	STD	00075	- 1.36	33.13	26.67	00.114	1441.6							
	OBS	00076	- 1.36	33.141	26.68		1441.6							
	STD	00100	- 1.15	33.31	26.81	00.146	1443.2							
	OBS	00101	- 1.15	33.314	26.81		1443.3							
	STD	00125	- 1.17	33.43	26.91	00.176	1443.8							
	OBS	00126	- 1.17	33.434	26.91		1443.8							
	OBS	00141	- 1.16	33.444	26.92		1444.1							

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REFID 31 8296	YEAR 1972	BOTDP 00110	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0024	MONTH 04	SHIP EV	WET BULB -00.6	19 4 2	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 46 25.0N	DAY 10	DATA USE 1	BAROMETR 1013.9	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 68
LONG 048 12.0W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	P4
23.6	OBS	00012	- 1.12	32.892	26.47		1441.4							
	STD	00020	- 1.11	32.90	26.47		1441.5							
	OBS	00021	- 1.11	32.896	26.47		1441.6							
	STD	00030	- 1.14	32.89	26.47		1441.6							
	OBS	00030	- 1.14	32.889	26.47		1441.6							
	STD	00050	- 1.25	32.90	26.48		1441.4							
	OBS	00050	- 1.25	32.900	26.48		1441.4							
	OBS	00059	- 1.32	32.871	26.46		1441.2							
	STD	00075	- 1.38	32.91	26.49		1441.2							
	OBS	00075	- 1.38	32.907	26.49		1441.2							
	STD	00100	- 1.49	32.93	26.51		1441.1							
	OBS	00100	- 1.49	32.941	26.52		1441.2							
	OBS	00106	- 1.49	33.026	26.59		1441.4							

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REFID 31 8296	YEAR 1972	BOTDP 00099	AIR TEMP -00.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0025	MONTH 04	SHIP EV	WET BULB -00.6	19 4 3	WIND-SPD 22	TRACE DIR 0	5 SQUARE 4
LAT 46 32 N	DAY 11	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 68
LONG 048 27 W	HOUR 01.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	P4
	STD	00000	- 1.00	32.91	26.48	00.000	1441.8							
01.5	OBS	00000	- 1.00	32.912	26.48		1441.8							
	STD	00010	- 0.99	32.91	26.48	00.016	1441.9							
	STD	00020	- 0.99	32.91	26.48	00.031	1442.1							
	OBS	00024	- 0.99	32.912	26.48		1442.2							
	STD	00030	- 0.99	32.91	26.48	00.047	1442.3							
	OBS	00048	- 1.00	32.918	26.49		1442.6							
	STD	00050	- 1.02	32.91	26.48	00.078	1442.5							
	OBS	00059	- 1.15	32.901	26.48		1442.0							
	OBS	00070	- 1.33	32.941	26.52		1441.4							
	STD	00075	- 1.30	32.94	26.52	00.116	1441.6							
	OBS	00075	- 1.30	32.942	26.52		1441.6							
	OBS	00078	- 1.30	32.944	26.52		1441.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972. Prepared from NODC Listing No. 31–8296.—Continued

REEID 31 8296	YEAR 1972	BOTDP 00093	AIR TEMP 00.6	DIR HGT PER	#IND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0026	MONTH 04	SHIP FV	WET BULB 00.0	14 6 3	#IND-SPD 23	TRACE DIR 3	5 SQUARE 4
LAT 46 06 N	DAY 11	DATA USE 1	BAROMETR 1015.2	SEA	#IND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 29 W	HOUR 04.1	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 110	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ6	TOT P	NO2	NO3	SI33	P4
	STD	00000	- 0.86	32.90	26.47	00.000	1442.4							
04.1	OBS	00000	- 0.86	32.897	26.47		1442.4							
	STD	00010	- 0.86	32.90	26.47	00.016	1442.6							
	STD	00020	- 0.86	32.90	26.47	00.031	1442.7							
	OBS	00025	- 0.86	32.899	26.47		1442.8							
	STD	00030	- 0.88	32.88	26.46	00.047	1442.8							
	OBS	00043	- 0.93	32.878	26.45		1442.8							
	OBS	00049	- 1.10	32.897	26.47		1442.1							
	STD	00050	- 1.10	32.90	26.48	00.079	1442.1							
	OBS	00069	- 1.23	32.930	26.51		1441.8							
	STD	00075	- 1.23	32.93	26.51	00.117	1441.9							
	OBS	00075	- 1.23	32.931	26.51		1441.9							
	OBS	00082	- 1.23	32.930	26.51		1442.1							

REEID 31 8296	YEAR 1972	BOTDP 00097	AIR TEMP 00.6	DIR HGT PER	#IND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0027	MONTH 04	SHIP FV	WET BULB 00.0	19 6 2	#IND-SPD 23	TRACE DIR 3	5 SQUARE 4
LAT 46 03 N	DAY 11	DATA USE 1	BAROMETR 1015.2	SEA	#IND-FOR	DURATION 00.3	2 SQUARE 68
LONG 048 19 W	HOUR 05.0	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 110	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ6	TOT P	NO2	NO3	SI33	P4
05.0	OBS	00011	- 0.94	32.911	26.48		1442.2							
	STD	00020	- 0.94	32.91	26.48		1442.4							
	OBS	00022	- 0.94	32.911	26.48		1442.4							
	OBS	00028	- 0.94	32.915	26.48		1442.5							
	STD	00030	- 0.96	32.92	26.49		1442.4							
	OBS	00048	- 1.15	32.917	26.49		1441.9							
	STD	00050	- 1.17	32.92	26.50		1441.8							
	STD	00075	- 1.43	32.98	26.55		1441.1							
	OBS	00075	- 1.43	32.982	26.55		1441.1							
	OBS	00085	- 1.43	32.999	26.57		1441.3							

REEID 31 8296	YEAR 1972	BOTDP 00110	AIR TEMP 01.1	DIR HGT PER	#IND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0028	MONTH 04	SHIP FV	WET BULB 00.0	20 5 2	#IND-SPD 23	TRACE DIR 3	5 SQUARE 4
LAT 45 58 N	DAY 11	DATA USE 1	BAROMETR 1015.9	SEA	#IND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 08 W	HOUR 06.3	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 110	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ6	TOT P	NO2	NO3	SI33	P4
	STD	00000	- 0.97	32.92	26.49	00.000	1441.9							
06.3	OBS	00000	- 0.97	32.920	26.49		1441.9							
	STD	00010	- 0.98	32.92	26.49	00.016	1442.0							
	STD	00020	- 0.99	32.93	26.49	00.031	1442.2							
	OBS	00023	- 0.99	32.926	26.49		1442.2							
	STD	00030	- 0.99	32.92	26.49	00.046	1442.3							
	OBS	00040	- 0.98	32.912	26.48		1442.5							
	OBS	00046	- 1.25	32.950	26.52		1441.4							
	OBS	00049	- 1.26	32.963	26.53		1441.4							
	STD	00050	- 1.27	32.96	26.53	00.077	1441.4							
	OBS	00063	- 1.41	33.001	26.57		1441.0							
	STD	00075	- 1.41	33.02	26.59	00.114	1441.2							
	OBS	00075	- 1.41	33.024	26.59		1441.2							
	OBS	00097	- 1.37	33.110	26.65		1441.9							
	STD	00100	- 1.08	33.11	26.65	00.150	1443.3							
	OBS	00101	- 1.07	33.113	26.65		1443.4							
	OBS	00104	- 1.39	33.118	26.66		1441.9							
	OBS	00107	- 1.38	33.119	26.66		1442.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00245	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0029	MONTH 04	SHIP EV	WET BULB 00.0	20 5 2	WIND-SPD 18	TRACE DIR D	5 SQUARE 4
LAT 45 52 N	DAY 11	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 46
LONG 047 54 W	HOUR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG IIP 110	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.98	32.90	26.48	00.000	1441.8							
07.5	OBS	00000	- 0.98	32.905	26.48		1441.8							
	STD	00010	- 0.98	32.91	26.48	00.016	1442.0							
	STD	00020	- 0.97	32.91	26.48	00.031	1442.2							
	OBS	00026	- 0.97	32.906	26.48		1442.3							
	STD	00030	- 1.01	32.92	26.49	00.047	1442.2							
	OBS	00048	- 1.30	32.994	26.56		1441.3							
	STD	00050	- 1.32	33.01	26.57	00.077	1441.2							
	OBS	00051	- 1.35	33.023	26.58		1441.1							
	OBS	00058	- 1.38	33.069	26.62		1441.2							
	OBS	00074	- 1.27	33.308	26.81		1442.3							
	STD	00075	- 1.27	33.31	26.81	00.111	1442.3							
	OBS	00097	- 1.16	33.418	26.90		1443.3							
	STD	00100	- 1.07	33.47	26.94	00.140	1443.9							
	OBS	00100	- 1.05	33.485	26.95		1444.0							
	OBS	00109	- 0.93	33.445	26.91 •		1444.6							
	OBS	00116	- 0.93	33.450	26.92		1444.8							
	STD	00125	- 0.94	33.45	26.92	00.169	1444.9							
	OBS	00125	- 0.94	33.453	26.92		1444.9							
	STD	00150	- 0.88	33.51	26.96	00.196	1445.6							
	OBS	00151	- 0.88	33.508	26.96		1445.6							
	OBS	00175	- 0.77	33.565	27.00		1446.6							
	STD	00200	- 0.59	33.60	27.02	00.250	1447.9							
	OBS	00201	- 0.59	33.599	27.02		1447.9							
	OBS	00219	- 0.60	33.610	27.03		1448.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01320	AIR TEMP 00.7	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0030	MONTH 04	SHIP EV	WET BULB 00.6	20 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 45 45 N	DAY 11	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 38 W	HOUR 09.7	AREA 05	CLOUD T/A	CL/TR	WEATHER 03	ORIG IIP 110	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
09.7	OBS	00009	- 0.82	32.939	26.50		1442.8							
	STD	00010	- 0.82	32.94	26.50		1442.8							
	STD	00020	- 0.82	32.95	26.50		1443.0							
	OBS	00022	- 0.82	32.947	26.51		1443.0							
	OBS	00027	- 0.60	33.128	26.64		1444.4							
	STD	00030	- 0.61	33.12	26.64		1444.4							
	OBS	00030	- 0.61	33.121	26.64		1444.4							
	OBS	00033	- 0.86	33.147	26.67		1443.3							
	OBS	00036	- 1.00	33.262	26.77		1442.8							
	STD	00050	- 0.89	33.45	26.92		1443.8							
	OBS	00050	- 0.89	33.454	26.92		1443.9							
	OBS	00053	- 0.84	33.450	26.91		1444.1							
	OBS	00058	- 1.02	33.527	26.98		1443.5							
	OBS	00060	- 0.96	33.547	27.00		1443.8							
	OBS	00069	- 1.22	33.583	27.03		1442.8							
	STD	00075	- 0.52	33.58	27.01		1446.2							
	OBS	00088	- 0.20	33.589	27.00		1447.9							
	OBS	00091	- 0.40	33.598	27.02		1447.0							
	OBS	00095	- 0.48	33.712	27.11		1446.9							
	STD	00100	- 0.58	33.69	27.10		1446.5							
	OBS	00101	- 0.59	33.688	27.10		1446.4							
	OBS	00110	- 0.39	33.662	27.07		1447.5							
	OBS	00113	- 0.49	33.700	27.10		1447.1							
	OBS	00119	- 0.47	33.760	27.15		1447.4							
	OBS	00122	- 0.54	33.771	27.16		1447.1							
	STD	00125	- 0.33	33.80	27.17		1448.2							
	OBS	00126	- 0.18	33.820	27.18		1448.9							
	STD	00150	00.02	33.87	27.21		1450.3							
	OBS	00151	00.04	33.877	27.22		1450.4							
	OBS	00172	00.37	34.015	27.31		1452.5							
	OBS	00177	00.60	34.065	27.34		1453.6							
	OBS	00187	00.77	34.076	27.34		1454.6							
	STD	00200	01.44	34.19	27.39		1458.0							
	OBS	00203	01.55	34.216	27.40		1458.5							
	OBS	00229	01.84	34.301	27.45		1460.4							
	STD	00250	01.92	34.31	27.45		1461.1							
	OBS	00258	01.97	34.315	27.45		1461.4							
	OBS	00275	02.12	34.433	27.53		1462.6							
	STD	00300	02.42	34.47	27.54		1464.3							
	OBS	00305	02.51	34.490	27.54		1464.8							
	OBS	00325	02.87	34.565	27.57		1466.8							
	OBS	00350	03.27	34.659	27.61		1469.1							
	OBS	00383	03.51	34.707	27.62		1470.7							
	STD	00400	03.69	34.74	27.63		1471.8							
	OBS	00402	03.71	34.741	27.63		1471.9							
	OBS	00425	03.83	34.782	27.65		1472.9							
	OBS	00452	04.12	34.834	27.66		1474.6							
	OBS	00478	04.21	34.857	27.67		1475.4							
	STD	00500	04.25	34.88	27.69		1476.0							
	OBS	00503	04.26	34.883	27.69		1476.1							
	OBS	00531	04.43	34.894	27.68		1477.3							
	OBS	00552	04.44	34.927	27.70		1477.7							
	OBS	00580	04.33	34.914	27.70		1477.7							
	STD	00600	04.36	34.92	27.71		1478.2							
	OBS	00608	04.37	34.923	27.71		1478.3							
	OBS	00626	04.28	34.915	27.71		1478.2							
	OBS	00677	04.21	34.917	27.72		1478.8							
	STD	00700	04.21	34.92	27.72		1479.2							
	OBS	00706	04.21	34.921	27.72		1479.3							
	OBS	00752	04.13	34.915	27.73		1479.7							
	STD	00800	04.11	34.92	27.73		1480.4							
	OBS	00800	04.11	34.919	27.73		1480.4							
	OBS	00828	04.12	34.935	27.74		1481.0							
	OBS	00852	04.21	34.942	27.74		1481.7							
	OBS	00875	04.50	34.989	27.74		1483.4							
	STD	00900	04.41	34.97	27.74		1483.4							
	OBS	00905	04.38	34.968	27.74		1483.4							
	OBS	00931	04.20	34.949	27.75		1483.0							
	OBS	00950	04.24	34.956	27.75		1483.5							
	OBS	00980	04.29	34.976	27.76		1484.3							
	STD	01000	04.29	34.97	27.76		1484.6							
	OBS	01005	04.28	34.971	27.75		1484.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02128	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0031	MONTH 04	SHIP EV	WET BULB 05.6	20 3 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 45 36 N	DAY 11	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 29 W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.60	33.38	26.73	00.000	1456.3							
12.3	OBS	00002	01.60	33.379	26.73		1456.3							
	STD	00010	01.71	33.39	26.72	00.013	1456.9							
	OBS	00013	01.77	33.519	26.83		1455.4							
	OBS	00019	03.07	33.866	27.00		1461.7							
	STD	00020	03.56	33.91	26.98	00.025	1463.9							
	OBS	00024	05.06	34.029	26.92 *		1470.4							
	OBS	00027	05.29	34.037	26.90		1471.4							
	STD	00030	05.29	34.04	26.90	00.037	1471.4							
	STD	00050	05.27	34.07	26.93	00.060	1471.7							
	OBS	00073	05.24	34.102	26.96		1472.0							
	STD	00075	05.16	34.09	26.95	00.088	1471.7							
	OBS	00082	04.72	34.001	26.94		1469.9							
	OBS	00098	04.27	33.979	26.97		1468.2							
	STD	00100	04.02	34.02	27.03	00.115	1467.3							
	OBS	00109	03.20	34.197	27.25		1464.2							
	OBS	00112	03.19	34.214	27.26		1464.2							
	OBS	00115	03.26	34.261	27.29		1464.6							
	OBS	00121	03.65	34.464	27.42		1466.7							
	STD	00125	03.88	34.50	27.42	00.137	1467.7							
	OBS	00138	04.40	34.576	27.43		1470.2							
	STD	00150	03.66	34.51	27.46	00.153	1467.2							
	OBS	00170	03.42	34.402	27.39 *		1466.4							
	OBS	00174	03.54	34.472	27.43		1467.1							
	OBS	00178	03.71	34.431	27.39 *		1467.8							
	OBS	00187	03.50	34.427	27.40		1467.1							
	STD	00200	03.88	34.54	27.45	00.186	1469.0							
	OBS	00200	03.91	34.545	27.46		1469.2							
	OBS	00224	04.64	34.689	27.49		1472.8							
	STD	00250	04.65	34.78	27.56	00.216	1473.4							
	OBS	00251	04.65	34.784	27.57		1473.4							
	STD	00300	04.69	34.83	27.60	00.244	1474.4							
	OBS	00304	04.80	34.856	27.61		1475.0							
	OBS	00318	05.21	34.943	27.63		1477.0							
	OBS	00330	05.21	34.950	27.63		1477.2							
	OBS	00351	05.13	34.951	27.64		1477.3							
	OBS	00381	05.07	34.959	27.66		1477.5							
	STD	00400	05.09	34.98	27.67	00.294	1477.9							
	OBS	00405	05.09	34.979	27.67		1478.0							
	OBS	00425	05.09	34.992	27.68		1478.4							
	OBS	00451	05.06	35.006	27.69		1478.7							
	OBS	00499	04.97	35.011	27.71		1479.1							
	STD	00500	04.97	35.01	27.71	00.342	1479.1							
	OBS	00526	04.89	35.000	27.71		1479.2							
	OBS	00551	04.80	34.996	27.72		1479.3							
	OBS	00574	04.77	34.994	27.72		1479.5							
	OBS	00599	04.64	34.987	27.73		1479.4							
	STD	00600	04.64	34.99	27.73	00.387	1479.4							
	OBS	00648	04.58	34.985	27.73		1480.0							
	OBS	00676	04.48	34.976	27.74		1480.0							
	STD	00700	04.47	34.97	27.74	00.431	1480.4							
	OBS	00702	04.47	34.974	27.74		1480.4							
	OBS	00731	04.40	34.980	27.75		1480.6							
	OBS	00749	04.38	34.974	27.75		1480.8							
	OBS	00776	04.30	34.963	27.75		1480.9							
	OBS	00798	04.26	34.961	27.75		1481.1							
	STD	00800	04.26	34.96	27.75	00.475	1481.1							
	OBS	00848	04.23	34.957	27.75		1481.8							
	OBS	00873	04.19	34.955	27.75		1482.0							
	STD	00900	04.22	34.96	27.75	00.519	1482.6							
	OBS	00901	04.22	34.963	27.75		1482.6							
	OBS	00930	04.15	34.956	27.76		1482.8							
	OBS	00956	04.12	34.949	27.75		1483.1							
	STD	01000	04.04	34.94	27.76	00.564	1483.5							
	OBS	01003	04.03	34.943	27.76		1483.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 11 8296	YEAR 1972	BOTDP 02776	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0032	MONTH 04	SHIP EV	WET BULB 06.7	20 3 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 45 25 N	DAY 11	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 09.4	2 SQUARE 46
LONG 047 03 W	HOUR 14.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	06.85	34.27	25.88	00.000	1477.5							
14.9	OBS	00001	06.85	34.267	26.88		1477.5							
	OBS	00004	06.81	34.260	26.88		1477.5							
	STD	00010	06.84	34.28	26.90	00.012	1477.6							
	STD	00020	06.84	34.32	26.92	00.023	1477.9							
	OBS	00025	06.85	34.340	26.94		1478.0							
	OBS	00029	07.06	34.485	27.03		1479.1							
	STD	00030	07.07	34.49	27.03	00.034	1479.2							
	STD	00050	08.15	34.68	27.02	00.055	1483.9							
	STD	00075	08.84	34.83	27.02	00.082	1487.3							
	OBS	00075	08.88	34.827	27.02		1487.3							
	OBS	00098	08.93	34.857	27.04		1487.9							
	STD	00100	08.91	34.94	27.03	00.108	1487.8							
	OBS	00101	08.84	34.830	27.03		1487.6							
	OBS	00104	08.65	34.828	27.06		1486.9							
	OBS	00108	08.38	34.854	27.12		1486.0							
	OBS	00114	08.26	34.841	27.13		1485.6							
	OBS	00117	08.13	34.834	27.14		1485.1							
	OBS	00120	08.10	34.861	27.17		1485.1							
	OBS	00123	08.29	34.925	27.19		1486.0							
	STD	00125	08.32	34.95	27.20	00.133	1486.1							
	OBS	00125	08.36	34.956	27.20		1486.3							
	OBS	00128	08.61	35.001	27.20		1487.4							
	OBS	00131	08.71	34.983	27.17 *		1487.8							
	OBS	00139	08.05	34.832	27.15		1485.2							
	STD	00150	07.90	34.83	27.18	00.156	1484.8							
	OBS	00151	07.88	34.829	27.18		1484.7							
	OBS	00156	08.03	34.866	27.18		1485.4							
	OBS	00159	07.93	34.875	27.21		1485.1							
	OBS	00162	07.74	34.849	27.21		1484.4							
	OBS	00174	07.18	34.800	27.26		1482.4							
	OBS	00183	07.19	34.850	27.29		1482.6							
	OBS	00197	06.88	34.786	27.29		1481.5							
	STD	00200	06.72	34.75	27.28	00.200	1480.9							
	OBS	00200	06.73	34.743	27.28		1480.8							
	OBS	00206	06.65	34.794	27.33		1480.8							
	OBS	00212	06.46	34.773	27.33		1480.1							
	OBS	00225	06.03	34.725	27.35		1478.5							
	STD	00250	05.86	34.75	27.39	00.239	1478.3							
	OBS	00250	05.86	34.750	27.39		1478.3							
	OBS	00253	05.86	34.797	27.43		1478.4							
	OBS	00259	06.41	34.921	27.46		1480.9							
	OBS	00262	06.56	34.922	27.44		1481.5							
	OBS	00272	06.55	34.938	27.45		1481.7							
	OBS	00276	06.68	35.001	27.48		1482.3							
	OBS	00281	06.79	35.000	27.47		1482.8							
	OBS	00299	06.33	34.926	27.47		1481.2							
	STD	00300	06.33	34.94	27.48	00.273	1481.2							
	OBS	00302	06.32	34.962	27.50		1481.3							
	OBS	00309	05.85	34.878	27.50		1479.4							
	OBS	00315	05.65	34.848	27.50		1478.6							
	OBS	00324	05.69	34.873	27.51		1479.0							
	OBS	00350	05.59	34.896	27.54		1479.0							
	OBS	00375	05.22	34.889	27.58		1478.0							
	STD	00400	05.16	34.90	27.60	00.333	1478.1							
	OBS	00401	05.15	34.903	27.60		1478.1							
	OBS	00430	04.62	34.862	27.63		1476.4							
	OBS	00450	04.60	34.905	27.67		1476.7							
	OBS	00457	04.75	34.908	27.65		1477.4							
	OBS	00477	04.50	34.891	27.67		1476.7							
	STD	00500	04.49	34.90	27.68	00.385	1477.0							
	OBS	00503	04.49	34.906	27.68		1477.1							
	OBS	00523	04.49	34.925	27.70		1477.4							
	OBS	00533	04.51	34.932	27.70		1477.7							
	OBS	00554	04.41	34.925	27.70		1477.6							
	OBS	00573	04.37	34.924	27.71		1477.8							
	OBS	00599	04.52	34.952	27.71		1478.8							
	STD	00600	04.51	34.95	27.71	00.432	1478.8							
	OBS	00624	04.42	34.940	27.71		1478.8							
	OBS	00652	04.40	34.953	27.73		1479.2							
	OBS	00673	04.28	34.939	27.73		1479.1							
	STD	00700	04.19	34.92	27.73	00.477	1479.1							
	OBS	00704	04.18	34.924	27.73		1479.1							
	OBS	00725	04.17	34.925	27.73		1479.5							
	OBS	00752	04.19	34.934	27.74		1480.0							
	OBS	00776	04.16	34.931	27.74		1480.3							
	STD	00800	04.19	34.92	27.73	00.522	1480.3							
	OBS	00803	04.19	34.922	27.73		1480.8							
	OBS	00833	04.18	34.938	27.74		1481.3							
	OBS	00877	03.99	34.916	27.74		1481.2							
	STD	00900	04.08	34.93	27.75	00.569	1482.0							
	OBS	00903	04.09	34.934	27.75		1482.1							
	OBS	00929	04.07	34.932	27.75		1482.4							
	OBS	00956	04.05	34.931	27.75		1482.8							
	OBS	00999	04.03	34.931	27.75		1483.4							
	STD	01000	04.03	34.93	27.75	00.611	1483.4							
	OBS	01008	04.02	34.931	27.75		1483.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03146	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1436
CONSEC 0033	MONTH 04	SHIP EV	WET BULB 08.3	27 4 3	WIND-SPD 13	TRACE DIR 7	5 SQUARE 4
LAT 45 15 N	DAY 11	DATA USE 1	BAROMETR 1020.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 44 W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER 51	DRIG DEP 110	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	N02	N03	SI33	P4
	STD	00000	11.33	35.23	26.91	00.000	1495.4							
17.1	OBS	00000	11.33	35.228	26.91		1495.4							
	STD	00010	11.22	35.20	26.91	00.012	1495.2							
	STD	00020	11.10	35.18	26.92	00.023	1494.9							
	OBS	00020	11.10	35.180	26.92		1494.9							
	OBS	00028	09.56	34.885	26.96		1489.1							
	STD	00030	09.49	34.86	26.95	00.034	1488.8							
	OBS	00031	09.38	34.819	26.93		1488.4							
	OBS	00046	09.23	34.825	26.96		1488.1							
	OBS	00049	09.13	34.777	26.94		1487.7							
	STD	00050	09.09	34.78	26.95	00.057	1487.6							
	OBS	00051	08.99	34.799	26.98		1487.3							
	OBS	00057	09.05	34.857	27.02		1487.7							
	OBS	00064	08.80	34.791	27.01		1486.7							
	OBS	00070	08.79	34.790	27.01		1486.8							
	STD	00075	08.61	34.75	27.00	00.084	1486.1							
	OBS	00075	08.59	34.747	27.01		1486.1							
	OBS	00083	07.97	34.647	27.02		1483.7							
	OBS	00099	07.30	34.499	27.00		1481.2							
	STD	00100	07.30	34.50	27.00	00.111	1481.2							
	OBS	00105	07.12	34.572	27.09		1480.7							
	STD	00125	07.01	34.54	27.08	00.137	1480.6							
	OBS	00125	07.01	34.542	27.08		1480.6							
	OBS	00142	07.63	34.731	27.14		1483.5							
	OBS	00145	07.69	34.737	27.13		1483.8							
	STD	00150	08.46	34.92	27.16	00.162	1487.0							
	OBS	00151	08.55	34.942	27.16		1487.4							
	OBS	00156	08.63	34.911	27.13 •		1487.8							
	OBS	00159	08.55	34.886	27.12		1487.5							
	OBS	00165	08.10	34.812	27.13		1485.8							
	OBS	00175	07.95	34.825	27.16		1485.4							
	OBS	00195	07.95	34.861	27.19		1485.8							
	OBS	00197	07.83	34.827	27.18		1485.3							
	STD	00200	07.81	34.87	27.22	00.208	1485.3							
	OBS	00200	07.80	34.877	27.23		1485.3							
	OBS	00203	07.91	34.897	27.23		1485.6							
	OBS	00223	07.37	34.825	27.25		1483.9							
	OBS	00235	07.27	34.818	27.26		1483.7							
	OBS	00241	06.99	34.778	27.27		1482.7							
	OBS	00248	06.85	34.760	27.27		1482.2							
	STD	00250	06.79	34.77	27.28	00.251	1482.0							
	OBS	00257	06.71	34.794	27.32		1481.9							
	OBS	00260	06.81	34.875	27.37		1482.4							
	OBS	00274	06.96	34.879	27.35		1483.2							
	OBS	00297	07.51	35.015	27.38		1485.9							
	STD	00300	07.40	34.99	27.38	00.291	1485.5							
	OBS	00300	07.39	34.992	27.38		1485.5							
	OBS	00306	07.23	34.950	27.37		1484.9							
	OBS	00309	07.07	34.899	27.35		1484.3							
	OBS	00312	06.81	34.858	27.35		1483.2							
	OBS	00324	05.01	34.639	27.41		1475.9							
	OBS	00327	04.99	34.695	27.46		1476.0							
	OBS	00333	05.22	34.722	27.45		1477.0							
	OBS	00344	05.61	34.796	27.46		1478.9							
	OBS	00350	05.40	34.751	27.45		1478.1							
	OBS	00357	05.29	34.808	27.51		1477.8							
	OBS	00359	05.36	34.826	27.52		1478.2							
	OBS	00366	05.70	34.891	27.53		1479.8							
	OBS	00375	05.73	34.886	27.52		1480.0							
	STD	00400	05.84	34.97	27.57	00.358	1481.0							
	OBS	00400	05.84	34.974	27.57		1481.0							
	OBS	00427	06.33	35.057	27.58		1483.5							
	OBS	00448	06.27	35.086	27.61		1483.7							
	OBS	00474	06.01	35.033	27.60		1483.0							
	STD	00500	05.08	34.93	27.63	00.414	1479.5							
	OBS	00500	05.07	34.925	27.63		1479.4							
	OBS	00525	04.76	34.920	27.66		1478.6							
	OBS	00551	05.17	34.995	27.67		1480.8							
	OBS	00575	05.00	34.974	27.68		1480.5							
	STD	00600	04.90	34.98	27.69	00.465	1480.5							
	OBS	00604	04.89	34.977	27.69		1480.5							
	OBS	00628	04.87	34.970	27.69		1480.8							
	OBS	00653	04.93	35.009	27.71		1481.5							
	OBS	00675	04.98	35.013	27.71		1482.1							
	STD	00700	04.77	34.98	27.71	00.513	1481.6							
	OBS	00702	04.76	34.983	27.71		1481.6							
	OBS	00728	04.67	34.982	27.72		1481.7							
	OBS	00749	04.63	34.978	27.72		1481.9							
	OBS	00777	04.63	34.990	27.73		1482.3							
	OBS	00799	04.62	34.989	27.73		1482.6							
	STD	00900	04.61	34.99	27.73	00.559	1482.6							
	OBS	00833	04.52	34.984	27.74		1482.7							
	OBS	00851	04.49	34.987	27.74		1483.0							
	OBS	00876	04.46	34.984	27.75		1483.2							
	OBS	00899	04.43	34.987	27.75		1483.5							
	STD	00900	04.43	34.99	27.75	00.605	1483.5							
	OBS	00925	04.42	34.986	27.75		1483.9							
	OBS	00954	04.32	34.970	27.75		1483.9							
	OBS	00982	04.25	34.967	27.75		1484.1							
	STD	01000	04.23	34.97	27.76	00.650	1484.3							
	OBS	01013	04.22	34.964	27.76		1484.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REEID 31 9296	YEAR 1972	BOTDP 03457	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 13	ENST STD RECORDER		TEN SQ 1306			
CUNSEC 0034	MONTH 04	SHIP EV	WET BULB 07.2	27 4 3	WIND-SPD 23	TRACE DIR	D	5 SQUARE 2			
LAT 44 52 N	DAY 11	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION	03.5	2 SQUARE 46			
LONG 046 19 W	HOUR 23.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG EIP 110		1 SQUARE 46			

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	11.55	35.28	26.91	00.000	1496.3							
23.2	OBS	00008	11.55	35.279	26.91		1496.4							
	STD	00010	11.56	35.28	26.91	00.012	1496.5							
	OBS	00014	11.58	35.298	26.92		1496.6							
	STD	00020	11.58	35.30	26.92	00.023	1496.7							
	OBS	00026	11.57	35.296	26.92		1496.8							
	STD	00030	11.59	35.32	26.93	00.034	1497.0							
	OBS	00031	11.60	35.326	26.94		1497.0							
	STD	00050	11.67	35.33	26.93	00.057	1497.6							
	OBS	00050	11.67	35.334	26.93		1497.6							
	OBS	00066	11.63	35.328	26.93		1497.7							
	STD	00075	11.61	35.33	26.94	00.086	1497.8							
	OBS	00082	11.59	35.313	26.93		1497.8							
	STD	00100	11.24	35.23	26.92	00.115	1496.8							
	OBS	00100	11.22	35.220	26.93		1496.7							
	OBS	00106	10.94	35.170	26.93		1495.9							
	OBS	00124	10.44	35.050	26.93		1496.1							
	STD	00125	10.40	35.04	26.94	00.144	1493.9							
	OBS	00129	10.13	34.997	26.95		1493.0							
	OBS	00139	09.54	34.904	26.97		1490.9							
	OBS	00143	09.42	34.921	27.01		1490.5							
	OBS	00148	09.42	34.925	27.01		1490.6							
	STD	00150	09.36	34.92	27.02	00.172	1490.4							
	OBS	00156	09.08	34.865	27.02		1489.4							
	OBS	00159	08.93	34.804	27.00		1488.8							
	OBS	00163	08.90	34.843	27.03		1488.8							
	OBS	00176	08.99	34.859	27.03		1489.4							
	OBS	00189	09.22	34.935	27.05		1490.5							
	OBS	00199	09.61	35.077	27.10		1492.3							
	STD	00200	09.61	35.08	27.10	00.224	1492.3							
	OBS	00206	09.53	35.096	27.13		1492.2							
	OBS	00213	09.51	35.091	27.13		1492.2							
	OBS	00225	09.02	34.998	27.13		1490.5							
	OBS	00248	08.63	34.954	27.16		1489.3							
	STD	00250	08.53	34.95	27.18	00.273	1489.0							
	OBS	00255	08.27	34.953	27.22		1488.1							
	OBS	00280	07.44	34.830	27.24		1485.1							
	OBS	00292	07.13	34.801	27.26		1484.1							
	STD	00300	06.87	34.80	27.30	00.318	1483.2							
	OBS	00324	06.62	34.789	27.33		1482.6							
	OBS	00353	07.56	35.069	27.41		1487.1							
	OBS	00379	07.65	35.078	27.44		1487.1							
	STD	00400	07.17	35.07	27.47	00.394	1486.4							
	OBS	00400	07.16	35.070	27.47		1486.							
	OBS	00403	07.12	35.053	27.46		1486.							
	OBS	00419	05.84	34.865	27.49		1481.							
	OBS	00422	05.73	34.862	27.50		1480.							
	OBS	00429	05.82	34.927	27.54		1481.5							
	OBS	00434	05.92	34.935	27.53		1481.8							
	OBS	00442	05.82	34.912	27.53		1481.5							
	OBS	00448	05.47	34.850	27.52		1480.1							
	OBS	00465	04.35	34.727	27.55		1475.6							
	OBS	00469	04.38	34.752	27.57		1475.8							
	OBS	00471	04.53	34.782	27.58		1476.6							
	OBS	00484	04.54	34.790	27.58		1476.9							
	OBS	00498	04.53	34.809	27.60		1477.0							
	STD	00500	04.61	34.82	27.60	00.456	1477.4							
	OBS	00510	04.97	34.881	27.61		1479.1							
	OBS	00540	04.92	34.884	27.61		1479.3							
	OBS	00550	04.50	34.835	27.62		1477.8							
	OBS	00575	04.33	34.849	27.65		1477.5							
	OBS	00593	04.42	34.870	27.66		1478.2							
	STD	00600	04.55	34.89	27.66	00.509	1478.9							
	OBS	00637	05.00	34.975	27.68		1481.5							
	OBS	00656	04.98	34.978	27.68		1481.7							
	OBS	00667	04.91	34.970	27.68		1481.5							
	OBS	00688	04.83	34.969	27.69		1481.6							
	OBS	00691	04.84	34.974	27.69		1481.7							
	STD	00700	04.80	34.97	27.69	00.558	1481.7							
	OBS	00704	04.78	34.965	27.69		1481.7							
	OBS	00728	04.74	34.964	27.70		1481.9							
	OBS	00785	04.57	34.954	27.71		1482.1							
	STD	00800	04.53	34.95	27.71	00.607	1482.2							
	OBS	00801	04.53	34.951	27.71		1482.2							
	OBS	00837	04.46	34.947	27.72		1482.6							
	OBS	00878	04.41	34.950	27.72		1483.0							
	STD	00900	04.43	34.96	27.73	00.655	1484.5							
	OBS	00904	04.43	34.957	27.73		1484.5							
	OBS	00927	04.43	34.965	27.73		1484.8							
	OBS	00957	04.34	34.955	27.74		1484.1							
	OBS	00978	04.32	34.957	27.74		1484.3							
	STD	01000	04.32	34.96	27.74	00.702	1484.7							
	OBS	01036	04.31	34.962	27.74		1485.3							
	OBS	01057	04.30	34.961	27.74		1485.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REPID 31 8296	YEAR 1972	BOTDP 03932	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0035	MONTH 04	SHIP EV	WET BULB 07.2	26 9 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 2
LAT 44 12 N	DAY 12	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 00 W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	09.29	34.72	26.87	00.000	1487.4							
05.6	OBS	00004	09.29	34.720	26.87		1487.5							
	STD	00010	09.28	34.72	26.88	00.012	1487.6							
	OBS	00012	09.28	34.726	26.88		1487.6							
	STD	00020	09.08	34.70	26.89	00.024	1487.0							
	OBS	00029	09.06	34.669	26.87		1487.0							
	STD	00030	09.09	34.69	26.88	00.035	1487.1							
	OBS	00032	09.11	34.722	26.90		1487.3							
	OBS	00049	08.06	34.541	26.92		1483.4							
	STD	00050	08.10	34.56	26.93	00.059	1483.6							
	OBS	00068	08.33	34.612	26.94		1484.7							
	OBS	00071	08.16	34.558	26.92		1484.2							
	OBS	00073	08.25	34.651	26.98		1484.6							
	STD	00075	08.23	34.64	26.98	00.087	1484.6							
	OBS	00094	07.74	34.551	26.97		1483.1							
	STD	00100	07.55	34.54	27.00	00.114	1482.2							
	OBS	00103	05.92	34.537	27.09		1479.9							
	OBS	00115	07.12	34.627	27.13		1480.9							
	STD	00125	06.83	34.65	27.19	00.139	1480.0							
	OBS	00130	06.70	34.657	27.21		1479.6							
	STD	00150	06.73	34.66	27.21	00.162	1480.0							
	OBS	00150	06.73	34.653	27.20		1480.0							
	OBS	00165	04.51	34.341	27.23		1470.8							
	OBS	00177	05.42	34.605	27.33		1475.1							
	OBS	00198	05.99	34.742	27.37		1476.0							
	STD	00200	05.97	34.74	27.37	00.203	1477.9							
	OBS	00237	05.28	34.655	27.39		1475.6							
	STD	00250	04.99	34.63	27.41	00.239	1474.2							
	OBS	00264	04.45	34.599	27.44		1472.6							
	OBS	00273	05.26	34.641	27.54		1476.3							
	OBS	00290	06.15	34.743	27.51 *		1480.4							
	OBS	00299	05.84	34.896	27.51		1479.4							
	STD	00300	05.89	34.90	27.51	00.272	1479.4							
	OBS	00313	06.04	34.968	27.54		1480.4							
	OBS	00349	05.14	34.860	27.57		1477.1							
	OBS	00374	05.56	34.961	27.60		1479.4							
	STD	00400	05.51	34.97	27.61	00.330	1479.6							
	OBS	00400	05.51	34.968	27.61		1479.6							
	OBS	00450	05.43	35.011	27.65		1480.4							
	OBS	00483	05.55	35.047	27.67		1481.3							
	STD	00500	05.47	35.04	27.67	00.382	1481.2							
	OBS	00560	05.21	35.030	27.70		1481.1							
	STD	00600	05.04	35.03	27.71	00.430	1481.3							
	OBS	00606	05.04	35.028	27.71		1481.2							
	OBS	00629	04.87	35.001	27.71		1480.9							
	OBS	00673	04.75	34.993	27.72		1481.1							
	STD	00700	04.64	34.99	27.73	00.477	1481.0							
	OBS	00703	04.62	34.985	27.73		1481.0							
	OBS	00763	04.45	34.970	27.74		1481.3							
	STD	00800	04.44	34.96	27.73	00.523	1481.9							
	OBS	00804	04.43	34.958	27.73		1481.9							
	OBS	00841	04.24	34.946	27.74		1481.8							
	STD	00900	04.20	34.95	27.74	00.568	1482.8							
	OBS	00903	04.20	34.952	27.74		1482.8							
	OBS	00973	04.11	34.939	27.75		1483.3							
	STD	01000	04.10	34.93	27.75	00.614	1483.7							
	OBS	01000	04.10	34.935	27.75		1483.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

RECID 31 8296	YEAR 1972	BATHY 03926	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CUNSEC 0036	MONTH 04	SHIP EV	WET BULB 03.9	25 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 19 N	DAY 12	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FRK	DURATION 03.2	2 SQUARE 46
LONG 047 22 W	HOUR 08.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	11.44	35.22	26.88	00.000	1495.8							
08.5	OBS	00000	11.44	35.220	26.88		1495.8							
	OBS	00009	11.45	35.217	26.88		1496.0							
	STD	00013	11.45	35.22	26.88	00.012	1496.0							
	OBS	00017	11.46	35.224	26.88		1496.2							
	STD	00023	11.46	35.22	26.88	00.024	1496.2							
	STD	00030	11.48	35.22	26.88	00.035	1496.4							
	OBS	00031	11.48	35.224	26.88		1496.5							
	OBS	00049	11.48	35.227	26.88		1496.8							
	STD	00050	11.48	35.23	26.88	00.059	1496.8							
	STD	00075	11.47	35.22	26.88	00.089	1497.1							
	OBS	00075	11.47	35.223	26.88		1497.1							
	OBS	00099	11.47	35.234	26.89		1497.6							
	STD	00100	11.47	35.23	26.89	00.119	1497.6							
	STD	00125	11.37	35.21	26.89	00.149	1497.6							
	OBS	00125	11.37	35.209	26.89		1497.6							
	STD	00150	09.73	34.98	26.93	00.179	1491.7							
	OBS	00150	09.72	34.883	26.93		1491.7							
	OBS	00174	08.44	34.874	27.13		1487.3							
	STD	00200	08.41	34.90	27.16	00.232	1487.6							
	OBS	00200	08.41	34.904	27.16		1487.6							
	OBS	00225	08.60	35.025	27.22		1488.9							
	OBS	00235	08.65	35.051	27.23		1489.3							
	STD	00250	08.50	35.04	27.25	00.278	1489.0							
	OBS	00250	08.50	35.037	27.25		1489.0							
	OBS	00274	08.42	35.061	27.28		1489.1							
	STD	00300	07.69	34.93	27.29	00.321	1486.6							
	OBS	00300	07.69	34.928	27.28		1486.6							
	OBS	00325	06.67	34.822	27.34		1482.9							
	OBS	00350	05.29	34.717	27.44		1477.6							
	OBS	00375	05.37	34.765	27.47		1478.4							
	STD	00400	06.37	34.99	27.52	00.396	1483.1							
	OBS	00413	06.54	35.041	27.53		1484.1							
	OBS	00425	06.47	35.038	27.54		1484.0							
	OBS	00450	06.20	35.028	27.57		1483.3							
	OBS	00475	05.93	35.017	27.60		1482.6							
	OBS	00499	05.76	35.000	27.60		1482.3							
	STD	00500	05.76	35.00	27.60	00.455	1482.3							
	OBS	00549	05.48	35.035	27.67		1482.1							
	OBS	00599	04.95	34.974	27.68		1480.7							
	STD	00600	04.95	34.97	27.68	00.508	1480.7							
	OBS	00629	05.07	35.011	27.70		1481.7							
	OBS	00649	04.98	35.005	27.70		1481.6							
	OBS	00699	04.77	34.984	27.71		1481.6							
	STD	00700	04.75	34.98	27.71	00.556	1481.5							
	OBS	00745	04.27	34.923	27.72		1480.2							
	OBS	00753	04.55	34.974	27.73		1481.6							
	STD	00800	04.35	34.95	27.73	00.603	1481.4							
	OBS	00819	04.25	34.932	27.73		1481.4							
	OBS	00830	04.59	34.998	27.74		1483.0							
	OBS	00960	04.33	34.957	27.73		1482.4							
	OBS	00999	04.44	34.996	27.76		1483.6							
	STD	01000	04.44	35.00	27.76	00.649	1483.6							
	OBS	01052	04.27	34.962	27.75		1483.7							
	STD	01100	04.27	34.96	27.75	00.694	1484.5							
	OBS	01100	04.27	34.964	27.75		1484.5							
	OBS	01141	04.17	34.956	27.75		1484.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296 YEAR 1972 BOTDP 03504 AIR TEMP 03.0 DIR HGT PER #WND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0337 MONTH 04 SHIP EV WET BULB 02.8 25 2 2 #WND-SPD 10 TRACE DIR 3 5 SQUARE 2
LAT 44 26 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA #WND-FOR DURATION 03.4 2 SQUARE 46
LONG 047 53 W HOUR 11.3 AREA 05 CLOUD T/A CL/TR #WEATHER 22 ORIG EXP 110 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.61	33.88	26.74	00.000	1472.0							
11.3	OBS	00001	05.61	33.877	26.74		1472.0							
	OBS	00007	05.63	33.882	26.74		1472.2							
	STD	00010	05.79	34.08	26.88	00.013	1473.2							
	OBS	00011	05.90	34.165	26.93		1473.6							
	OBS	00017	06.69	34.315	26.94		1477.2							
	STD	00023	07.13	34.38	25.93	00.024	1479.1							
	OBS	00025	07.16	34.385	26.93		1479.3							
	OBS	00026	08.10	34.529	26.91		1483.1							
	STD	00030	08.14	34.54	26.91	00.036	1483.3							
	OBS	00032	08.16	34.547	26.91		1483.5							
	STD	00050	08.07	34.58	26.95	00.059	1483.6							
	OBS	00051	08.09	34.585	26.95		1483.6							
	OBS	00053	08.14	34.593	26.95		1483.8							
	STD	00075	07.90	34.56	26.96	00.086	1483.2							
	OBS	00076	07.89	34.557	26.96		1483.2							
	OBS	00085	08.12	34.640	26.99		1486.3							
	OBS	00096	07.43	34.515	26.99		1481.9							
	OBS	00098	07.41	34.503	26.99		1481.6							
	STD	00100	07.40	34.51	26.99	00.114	1481.6							
	OBS	00104	07.36	34.521	27.01		1481.5							
	OBS	00109	07.13	34.535	27.06		1480.8							
	OBS	00124	09.04	35.093	27.20		1489.0							
	STD	00125	09.16	35.11	27.20	00.139	1489.5							
	OBS	00126	09.30	35.135	27.19		1490.1							
	OBS	00133	09.44	35.152	27.18		1490.7							
	OBS	00143	09.45	35.141	27.17		1490.9							
	OBS	00145	08.97	35.033	27.17		1489.0							
	OBS	00148	08.90	35.005	27.16		1488.8							
	STD	00150	08.87	35.00	27.16	00.162	1488.7							
	OBS	00162	08.62	34.950	27.16		1487.9							
	OBS	00165	08.23	34.890	27.17		1486.6							
	OBS	00170	07.97	34.847	27.18		1485.4							
	OBS	00173	07.66	34.859	27.23		1484.3							
	OBS	00176	07.59	34.854	27.24		1484.0							
	OBS	00195	06.97	34.733	27.23		1481.8							
	OBS	00198	06.75	34.685	27.23		1480.9							
	STD	00200	06.89	34.76	27.26	00.207	1481.6							
	OBS	00205	07.24	34.916	27.34		1483.3							
	OBS	00209	07.20	34.870	27.31 *		1483.1							
	OBS	00214	06.60	34.747	27.33		1480.7							
	OBS	00218	06.59	34.792	27.33		1480.7							
	OBS	00225	06.21	34.729	27.33		1479.3							
	OBS	00234	06.07 P	34.746	27.360									
	OBS	00237	06.13 P	34.757	27.370									
	OBS	00243	06.07	34.670	27.30 *		1478.9							
	OBS	00243	05.57	34.615	27.32		1476.8							
	STD	00250	05.40	34.65	27.38	00.247	1476.3							
	OBS	00250	05.40	34.655	27.38		1476.3							
	OBS	00263	05.29	34.667	27.40		1476.1							
	OBS	00267	05.39	34.752	27.45		1476.7							
	OBS	00270	05.62	34.777	27.45		1477.7							
	OBS	00273	05.70	34.74 P	27.41*									
	OBS	00283	05.98	34.813	27.43		1479.5							
	OBS	00295	05.55	34.753	27.44		1477.8							
	OBS	00299	05.58	34.799	27.47		1478.0							
	STD	00300	05.53	34.80	27.47	00.282	1478.1							
	OBS	00351	05.65	34.899	27.54		1479.3							
	OBS	00375	05.28	34.870	27.56		1478.2							
	STD	00400	05.21	34.91	27.60	00.342	1479.3							
	OBS	00401	05.20	34.915	27.61		1478.3							
	OBS	00426	05.34	35.036	27.68		1479.5							
	OBS	00450	05.73	35.065	27.66		1481.5							
	OBS	00475	05.16	34.964	27.65		1479.5							
	STD	00500	04.97	34.98	27.68	00.394	1479.1							
	OBS	00500	04.97	34.976	27.68		1479.1							
	OBS	00527	04.90	34.976	27.69		1479.3							
	OBS	00554	04.80	34.967	27.69		1479.3							
	OBS	00580	04.71	34.970	27.71		1479.4							
	STD	00600	04.73	34.98	27.72	00.441	1479.8							
	OBS	00603	04.73	34.986	27.72		1479.8							
	OBS	00629	04.73	34.988	27.72		1480.3							
	OBS	00657	04.69	34.983	27.72		1480.6							
	OBS	00675	04.62	34.979	27.72		1480.6							
	STD	00700	04.53	34.98	27.72	00.489	1480.6							
	OBS	00702	04.52	34.984	27.72		1480.4							
	OBS	00731	04.47	34.984	27.73		1480.8							
	OBS	00743	04.44	34.988	27.73		1481.0							
	OBS	00774	04.32	34.983	27.73		1480.9							
	STD	00800	04.22	34.98	27.73	00.537	1480.9							
	OBS	00803	04.22	34.979	27.73		1480.9							
	OBS	00824	04.13	34.971	27.73		1480.9							
	OBS	00849	04.22	34.977	27.73		1481.7							
	OBS	00873	04.29	34.984	27.74		1482.4							
	STD	00900	04.20	34.93	27.73	00.578	1482.5							
	OBS	00902	04.19	34.934	27.74		1482.5							
	OBS	00925	04.15	34.935	27.74		1482.7							
	OBS	00948	04.10	34.930	27.74		1482.9							
	OBS	00959	04.17	34.932	27.74		1483.1							
	OBS	00989	04.19	34.950	27.75		1484.0							
	STD	01000	04.20	34.95	27.75	00.624	1484.2							
	OBS	01007	04.20	34.950	27.75		1484.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied *by USCGC EVERGREEN*, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REEL	31 8296	YEAR 1972	BOTUP 0339	AIR TEMP 05.6	DIR HGT PER	#IND-DIR 15	INST STD RECORDER	TEN SQ 1306
CONSEC	0038	MONTH 04	SHIP EV	WET BULB 05.0	27 2 2	#IND-SPD 32	TRACE DIR 0	5 SQUARE 2
LAT	44 26 N	DAY 12	DATA USE 1	BAROMETR 1027.4	SEA	#IND-DIR	DURATION 03.2	2 SQUARE 48
LONG	048 07 W	HOUR 13.7	AREA 05	CLOUD T/A	CL/TR	#WEATHER XX	ORIG LIB 113	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P36	TOT P	V02	V03	SE33	P4
13.7	OBS	00017	00.87	33.465	26.84		1451.4							
	STD	00020	00.70	33.52	26.90		1450.7							
	OBS	00020	00.68	33.529	26.91		1450.7							
	OBS	00028	00.92	33.653	26.99		1452.1							
	STD	00030	01.11	33.66	26.99		1453.0							
	OBS	00031	01.26	33.673	26.98		1453.7							
	STD	00050	01.75	33.71	26.98		1456.3							
	OBS	00051	01.81	33.716	26.98		1456.5							
	OBS	00074	02.26	33.792	27.01		1459.0							
	STD	00075	02.24	33.81	27.02		1459.1							
	OBS	00077	02.36	33.850	27.04		1459.5							
	OBS	00083	02.73	33.897	27.05		1461.3							
	OBS	00094	02.66	33.881	27.04		1461.2							
	STD	00100	01.77	33.81	27.06		1457.2							
	OBS	00103	01.51	33.785	27.06		1456.1							
	OBS	00108	01.65	33.776	27.04		1456.3							
	OBS	00114	00.78	33.751	27.03		1453.1							
	STD	00125	00.29	33.87	27.20		1451.1							
	OBS	00132	00.31	33.952	27.24		1451.1							
	OBS	00149	00.40	33.993	27.29		1452.2							
	STD	00150	00.41	33.99	27.29		1452.2							
	OBS	00174	00.84	34.098	27.35		1454.7							
	OBS	00186	01.04	34.161	27.39		1455.9							
	STD	00200	01.30	34.23	27.43		1457.4							
	OBS	00205	01.47	34.266	27.45		1458.3							
	OBS	00221	02.09	34.379	27.49		1461.5							
	STD	00250	03.44	34.53	27.49		1466.3							
	OBS	00252	03.47	34.538	27.49		1469.1							
	OBS	00267	03.32	34.571	27.53		1467.8							
	OBS	00277	03.97	34.747	27.61		1471.0							
	STD	00300	04.75	34.86	27.62		1474.7							
	OBS	00312	05.02	34.906	27.62		1476.1							
	OBS	00328	05.18	34.937	27.63		1477.1							
	OBS	00361	05.29	34.972	27.64		1478.1							
	OBS	00390	05.16	34.975	27.66		1478.1							
	STD	00400	05.15	34.98	27.66		1478.2							
	OBS	00407	05.14	34.981	27.66		1478.3							
	OBS	00422	04.99	34.981	27.68		1477.9							
	OBS	00435	04.94	34.990	27.69		1478.1							
	OBS	00469	04.88	34.981	27.70		1478.2							
	STD	00500	04.76	34.98	27.71		1478.2							
	OBS	00503	04.76	34.981	27.71		1478.2							
	OBS	00549	04.73	34.990	27.72		1478.9							
	STD	00600	04.67	35.00	27.74		1479.6							
	OBS	00600	04.67	35.001	27.74		1479.6							
	OBS	00636	04.54	34.985	27.74		1479.6							
	OBS	00678	04.65	35.004	27.74		1480.8							
	OBS	00694	04.55	34.985	27.74		1480.6							
	STD	00700	04.54	34.99	27.74		1480.7							
	OBS	00749	04.46	34.988	27.75		1481.1							
	STD	00800	04.39	34.99	27.76		1481.7							
	OBS	00817	04.36	34.985	27.76		1481.9							
	STD	00900	04.23	34.97	27.76		1482.7							
	OBS	00909	04.23	34.970	27.76		1482.7							
	OBS	00949	04.14	34.962	27.76		1483.1							
	STD	01000	04.12	34.95	27.76		1483.8							
	OBS	01000	04.12	34.950	27.76		1483.8							
	OBS	01033	04.07	34.953	27.76		1484.2							
	OBS	01051	04.07	34.953	27.76		1484.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8206.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02900	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1336
CONSEC 0039	MONTH 04	SHIP EV	WET BULB 03.3	28 3 2	WIND-SPD 12	TRACE DIR)	5 SQUARE 2
LAT 44 30 N	DAY 12	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 48
LONG 048 24 W	HOUR 15.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG ITP 110	1 SQUARE 48

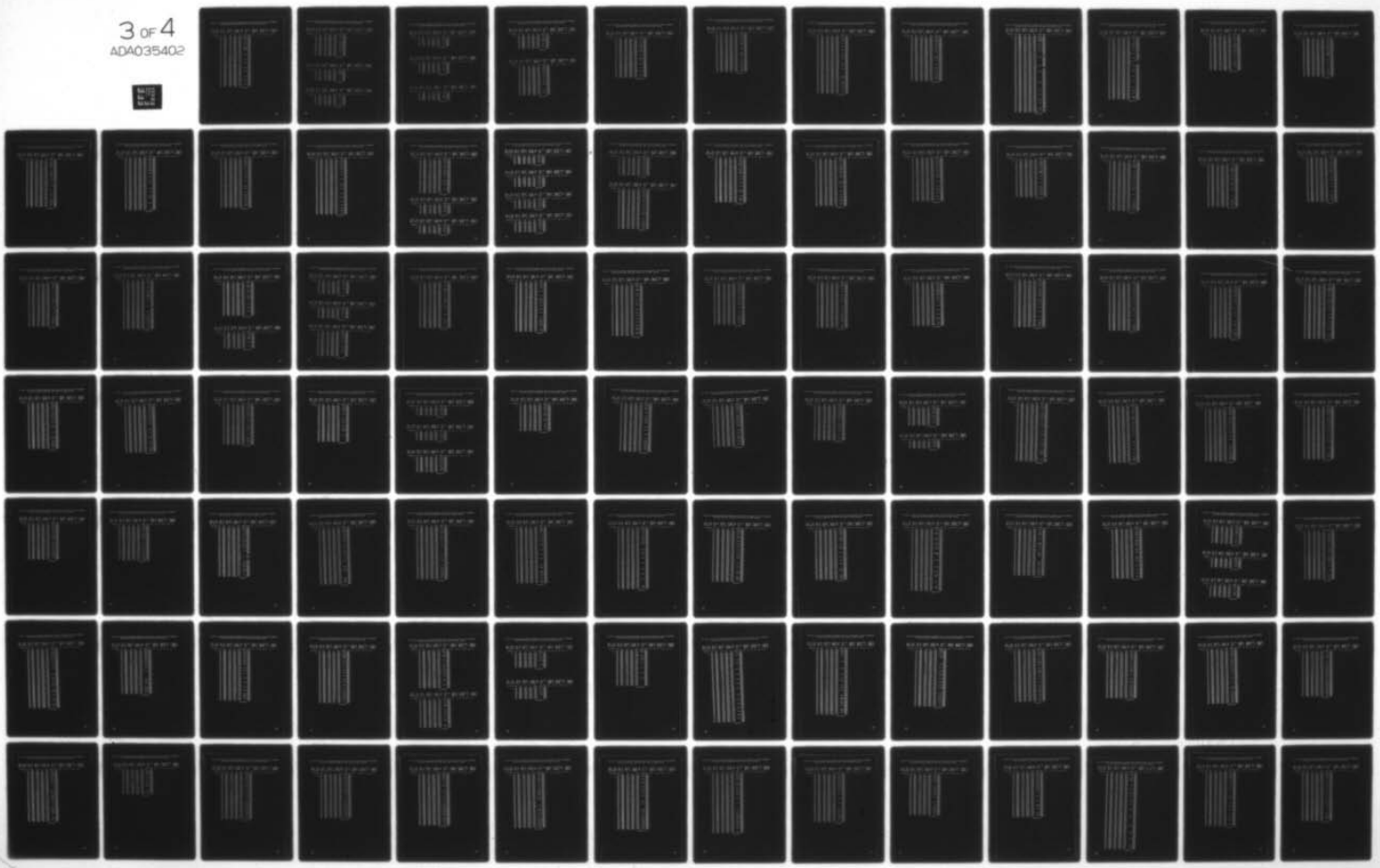
CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	00.46	33.26	26.71	00.000	1449.0							
15.9	OBS	00000	00.46	33.265	26.71		1449.0							
	STD	00010	00.70	33.40	26.80	00.013	1450.4							
	OBS	00015	00.74	33.427	26.82		1450.7							
	STD	00020	00.72	33.41	26.80	00.026	1450.7							
	OBS	00021	00.72	33.401	26.80		1450.7							
	OBS	00024	00.42	33.508	26.90		1449.5							
	OBS	00027	00.60	33.566	26.94		1450.5							
	STD	00030	00.55	33.62	26.98	00.037	1451.4							
	OBS	00034	00.47	33.719	27.07		1450.2							
	OBS	00039	02.42	33.890	27.07		1459.2							
	OBS	00042	02.93	33.910	27.04 *		1461.5							
	STD	00050	03.13	33.96	27.07	00.059	1462.6							
	OBS	00059	03.75	33.994	27.03 *		1465.4							
	OBS	00063	04.20	33.998	26.99 *		1467.4							
	OBS	00071	02.95	33.822	26.97		1462.0							
	STD	00075	03.69	33.84	26.92 *	00.085	1465.2							
	OBS	00077	03.81	33.855	26.92		1465.8							
	OBS	00086	01.20	33.617	26.94		1454.2							
	OBS	00089	00.84	33.783	27.10		1452.9							
	OBS	00092	00.61	33.779	27.11		1451.9							
	STD	00100	00.43	33.74	27.09	00.112	1451.2							
	OBS	00102	00.36	33.729	27.08		1450.9							
	OBS	00106	00.22	33.802	27.15		1450.4							
	OBS	00112	00.07	34.040	27.35		1450.1							
	OBS	00115	00.50	34.31 P	27.560									
	OBS	00118	01.47	34.46 P	27.600									
	OBS	00121	02.24	34.49 P	27.570*									
	STD	00125	02.59	34.20	27.31 *	00.134	1461.8							
	OBS	00128	02.84	34.294	27.36		1463.1							
	OBS	00132	03.05	34.419	27.44		1464.2							
	OBS	00134	03.39	34.435	27.42		1465.7							
	OBS	00145	03.52	34.40 P	27.380*									
	OBS	00148	03.62	34.441	27.40		1466.9							
	STD	00150	03.71	34.46	27.41	00.152	1467.4							
	OBS	00154	03.88	34.496	27.42		1468.2							
	OBS	00164	03.87	34.53 P	27.450									
	OBS	00167	04.13	34.53 P	27.420*									
	OBS	00173	04.23	34.531	27.41		1470.1							
	OBS	00186	04.21	34.491	27.38 *		1470.1							
	OBS	00193	03.53	34.375	27.36		1467.2							
	OBS	00196	03.32	34.378	27.38		1466.4							
	STD	00200	03.23	34.38	27.39	00.187	1466.0							
	OBS	00200	03.22	34.44 P	27.440									
	OBS	00207	04.11	34.53 P	27.420									
	OBS	00211	03.49	34.391	27.38 *		1467.4							
	OBS	00220	02.22	34.389	27.49		1462.0							
	OBS	00224	02.25	34.417	27.51		1462.3							
	OBS	00248	02.47	34.503	27.56		1463.7							
	STD	00250	02.51	34.51	27.56	00.219	1463.9							
	OBS	00276	02.97	34.613	27.60		1466.5							
	STD	00300	03.20	34.63	27.59	00.246	1467.9							
	OBS	00300	03.21	34.632	27.59		1468.0							
	OBS	00325	03.40	34.703	27.63		1469.3							
	OBS	00349	03.54	34.742	27.65		1470.3							
	OBS	00374	03.80	34.806	27.67		1472.0							
	STD	00400	03.92	34.83	27.68	00.295	1472.9							
	OBS	00400	03.92	34.835	27.68		1472.9							
	OBS	00426	04.10	34.860	27.69		1474.1							
	OBS	00453	04.12	34.870	27.69		1474.7							
	OBS	00480	04.18	34.888	27.70		1475.4							
	STD	00500	04.15	34.89	27.70	00.340	1475.6							
	OBS	00505	04.15	34.889	27.70		1475.7							
	OBS	00531	04.17	34.905	27.71		1476.2							
	OBS	00556	04.25	34.920	27.72		1477.0							
	OBS	00573	04.46	34.978	27.74		1478.2							
	OBS	00599	04.62	34.978	27.72		1479.3							
	STD	00600	04.62	34.98	27.72	00.385	1479.3							
	OBS	00626	04.56	34.984	27.73		1479.5							
	OBS	00651	04.52	34.982	27.74		1479.8							
	OBS	00678	04.48	34.978	27.74		1480.0							
	STD	00700	04.45	34.98	27.74	00.430	1480.3							
	OBS	00753	04.36	34.975	27.75		1480.8							
	STD	00800	04.26	34.96	27.75	00.474	1481.1							
	OBS	00805	04.25	34.960	27.75		1481.2							
	OBS	00856	04.12	34.947	27.75		1481.4							
	STD	00900	04.03	34.94	27.76	00.518	1481.8							
	OBS	00923	04.02	34.937	27.76		1481.9							
	OBS	00950	04.02	34.938	27.76		1482.6							
	OBS	00999	04.00	34.940	27.76		1483.3							
	STD	01000	04.00	34.94	27.76	00.562	1483.3							
	OBS	01036	03.96	34.936	27.76		1484.1							

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OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND MARCH 19--ETC(U)
JUN 76 R W SCOBIE, R H SCHULTZ

UNCLASSIFIED USCG-373-70 NL

3 OF 4
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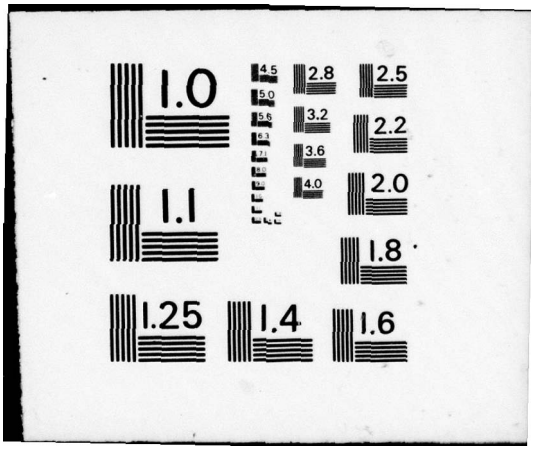

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3.6
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5.0
5.6

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REGID 31 8296	YEAR 1972	BOTOP 00460	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1396
CONSEC 0040	MONTH 04	SHIP EV	WET BULB 01.1	10 2 2	WIND-SPD 15	TRACE DIR 3	5 SQUARE 2
LAT 44 32 N	DAY 12	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 52 W	HOUR 18.5	AREA 05	CLOUD T/A	CL/TP	WEATHER 52	ORIG IIP 119	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.59	33.00	26.54	00.000	1443.4							
18.8	BBS	00002	- 0.59	32.996	26.54		1443.8							
	STD	00010	- 0.63	32.99	26.54	00.015	1443.9							
	STD	00020	- 0.68	32.98	26.53	00.030	1443.7							
	BBS	00024	- 0.70	32.974	26.52		1443.4							
	BBS	00027	- 0.83	32.968	26.52		1443.1							
	STD	00030	- 1.00	32.98	26.54	00.045	1442.3							
	BBS	00037	- 1.02	32.977	26.54		1442.2							
	STD	00050	- 1.22	33.11	26.65	00.076	1441.8							
	BBS	00050	- 1.22	33.107	26.65		1441.8							
	BBS	00071	- 1.25	33.134	26.67		1442.1							
	STD	00075	- 1.25	33.14	26.67	00.109	1442.1							
	BBS	00098	- 1.23	33.172	26.70		1442.7							
	STD	00100	- 1.23	33.17	26.70	00.143	1442.7							
	STD	00125	- 1.20	33.20	26.72	00.176	1443.3							
	BBS	00126	- 1.20	33.199	26.72		1443.3							
	STD	00150	- 1.15	33.21	26.73	00.209	1443.9							
	BBS	00152	- 1.15	33.219	26.74		1444.0							
	BBS	00173	- 1.14	33.306	26.81		1444.5							
	BBS	00189	- 1.03	33.468	26.93		1445.5							
	BBS	00197	- 1.43	33.503	26.97		1443.9							
	STD	00200	- 1.44	33.51	26.98	00.269	1443.8							
	BBS	00202	- 1.45	33.544	27.01		1443.9							
	BBS	00208	- 1.35	33.577	27.03		1444.5							
	BBS	00215	- 1.06	33.657	27.09		1446.1							
	BBS	00227	00.47	33.785	27.12		1453.5							
	BBS	00249	00.01	33.462	27.21		1451.9							
	STD	00250	00.03	33.87	27.21	00.317	1452.0							
	BBS	00266	00.24	33.968	27.28		1453.5							
	BBS	00271	00.34	33.989	27.29		1453.7							
	BBS	00274	00.61	34.137	27.40		1455.4							
	STD	00300	02.22	34.44	27.53	00.353	1463.4							
	BBS	00300	02.25	34.443	27.53		1463.6							
	BBS	00323	02.45	34.446	27.51		1464.8							
	BBS	00348	02.59	34.483	27.53		1465.8							
	BBS	00374	02.72	34.510	27.54		1466.9							
	BBS	00393	03.11	34.626	27.60		1469.2							
	STD	00400	03.11	34.63	27.60	00.409	1469.2							
	BBS	00425	03.44	34.668	27.60		1471.1							
	BBS	00448	03.43	34.672	27.60		1471.4							
	BBS	00477	03.48	34.722	27.64		1472.1							
	STD	00500	03.59	34.74	27.64	00.460	1473.0							
	BBS	00500	03.60	34.744	27.65		1473.1							
	BBS	00526	03.92	34.835	27.68		1475.0							
	BBS	00552	04.00	34.852	27.69		1475.8							
	BBS	00575	03.97	34.858	27.70		1476.0							
	BBS	00599	03.99	34.865	27.70		1476.5							
	STD	00600	03.99	34.87	27.70	00.508	1476.5							
	BBS	00627	04.00	34.868	27.70		1477.0							
	BBS	00651	04.02	34.879	27.71		1477.5							
	BBS	00676	04.01	34.875	27.71		1477.9							
	STD	00700	04.08	34.89	27.71	00.554	1478.6							
	BBS	00702	04.08	34.891	27.71		1478.6							
	BBS	00725	04.07	34.890	27.71		1479.0							
	BBS	00751	04.01	34.895	27.72		1479.2							
	BBS	00775	03.99	34.897	27.73		1479.5							
	STD	00800	03.97	34.90	27.73	00.600	1479.8							
	BBS	00800	03.97	34.895	27.73		1479.8							
	BBS	00839	03.97	34.894	27.73		1480.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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REFID  31  8296     YEAR 1972     BOTDP 00296     AIR TEMP   02.2     DIR HGT PER     WIND-DIR 16     INST STD RECORDER      TEN SQ 1306
CONSEC     3041     MONTH  04     SHIP EV         WET BULB   01.7      10  2   2      WIND-SPD 13     TRACE DIR          0   5 SQUARE  2
LAT    44 35  N     DAY    12     DATA USE  1     BAROMETR 1012.5     SEA             WIND-EDR        DURATION       00.1   2 SQUARE 48
LONG  049 02  W     HOUR 20.3     AREA      05    CLOUD T/A           CL/TR           WEATHER  X2     DRIG IIP 110          1 SQUARE 49

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PH6   TOT P   NO2   NO3   SI33   PH

               STD      00000   - 0.48    32.94      26.49     00.000    1444.2
        20.3   OBS      00003   - 0.44    32.943     26.49               1444.3
               STD      00010   - 0.50    32.93      26.48     00.016    1444.3
               OBS      00011   - 0.55    32.924     26.48               1444.1
               OBS      00014   - 0.74    32.895     26.46               1443.7
               OBS      00017   - 0.94    32.889     26.54               1442.6
               STD      00020   - 0.99    33.02      26.57     00.031    1442.3
               OBS      00022   - 1.02    33.031     26.58               1442.2
               STD      00030   - 1.06    33.05      26.60     00.045    1442.2
               OBS      00030   - 1.05    33.049     26.60               1442.2
               STD      00050   - 1.09    33.06      26.61     00.074    1442.4
               OBS      00052   - 1.09    33.065     26.61               1442.4
               STD      00075   - 1.15    33.09      26.63     00.110    1442.5
               OBS      00076   - 1.15    33.093     26.63               1442.5
               STD      00100   - 1.15    33.12      26.65     00.145    1443.0
               OBS      00100   - 1.15    33.117     26.65               1443.0
               STD      00125   - 1.15    33.16      26.69     00.179    1443.5
               OBS      00125   - 1.15    33.160     26.69               1443.5
               STD      00150   - 1.21    33.17      26.70     00.213    1443.6
               OBS      00156   - 1.23    33.189     26.71               1443.7
               OBS      00175   - 1.17    33.262     26.77               1444.3
               STD      00200   - 0.92    33.48      26.94     00.274    1446.2
               OBS      00200   - 0.91    33.488     26.95               1446.3
               OBS      00209   - 0.76    33.604     27.03               1447.3
               OBS      00217   - 0.39    33.689     27.09               1449.3

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REFID  31  8296     YEAR 1972     BOTDP 00062     AIR TEMP   02.2     DIR HGT PER     WIND-DIR 16     INST STD RECORDER      TEN SQ 1306
CONSEC     3042     MONTH  04     SHIP EV         WET BULB   01.7      22  2   2      WIND-SPD 15     TRACE DIR          0   5 SQUARE  2
LAT    44 36  N     DAY    12     DATA USE  1     BAROMETR 1009.5     SEA             WIND-EDR        DURATION       00.1   2 SQUARE 48
LONG  049 03  W     HOUR 21.1     AREA      05    CLOUD T/A           CL/TR           WEATHER  X5     DRIG IIP 110          1 SQUARE 49

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PH6   TOT P   NO2   NO3   SI33   PH

               STD      00000   - 0.41    32.94      26.49     00.000    1444.5
        21.1   OBS      00000   - 0.41    32.944     26.49               1444.6
               STD      00010   - 0.44    32.93      26.47     00.016    1444.5
               STD      00021   - 0.47    32.91      26.46     00.031    1444.5
               STD      00030   - 0.51    32.90      26.46     00.047    1444.5
               OBS      00036   - 0.53    32.894     26.45               1444.5
               OBS      00038   - 0.86    32.393     26.46               1443.0
               OBS      00042   - 0.99    33.016     26.57               1442.6
               OBS      00044   - 1.02    33.063     26.61               1442.7
               STD      00050   - 1.02    33.07      26.61     00.077    1442.7
               OBS      00050   - 1.02    33.075     26.62               1442.7
               OBS      00055   - 1.02    33.084     26.62               1442.9

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REFID  31  8296     YEAR 1972     BOTDP 00062     AIR TEMP   03.9     DIR HGT PER     WIND-DIR 11     INST STD RECORDER      TEN SQ 1306
CONSEC     3043     MONTH  04     SHIP EV         WET BULB   01.9      10  3   2      WIND-SPD 21     TRACE DIR          0   5 SQUARE  2
LAT    44 39  N     DAY    12     DATA USE  1     BAROMETR 1007.8     SEA             WIND-EDR        DURATION       00.1   2 SQUARE 48
LONG  049 14  W     HOUR 21.9     AREA      05    CLOUD T/A           CL/TR           WEATHER  X5     DRIG IIP 110          1 SQUARE 49

 CASTNUM/TIME  LVLTYP   DEPTH      TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PH6   TOT P   NO2   NO3   SI33   PH

               STD      00000   - 0.29    32.95      26.49     00.000    1445.1
        21.9   OBS      00000   - 0.29    32.950     26.49               1445.1
               STD      00010   - 0.30    32.95      26.49     00.016    1445.2
               OBS      00010   - 0.30    32.955     26.49               1445.2
               OBS      00015   - 0.32    32.955     26.49               1445.2
               STD      00020   - 0.55    32.92      26.47     00.031    1444.2
               OBS      00020   - 0.55    32.920     26.47               1444.2
               OBS      00025   - 0.94    33.060     26.60               1442.7
               STD      00030   - 0.99    33.09      26.63     00.045    1442.6
               OBS      00030   - 0.99    33.095     26.63               1442.6
               STD      00050   - 0.99    33.09      26.63     00.074    1442.9
               OBS      00050   - 0.99    33.095     26.63               1442.9

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	ROTOP 00062	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0044	MONTH 04	SHIP EV	WET BULB 01.1	27 2 2	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 44 38 N	DAY 12	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 49
LONG 049 23 W	HOUR 22.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XS	ORIG EEP 110	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.27	32.97	25.50	00.000	1445.2							
22.6	OBS	00000	- 0.27	32.970	25.50		1445.2							
	STD	00010	- 0.27	32.98	25.51	00.015	1445.4							
	OBS	00010	- 0.27	32.980	25.51		1445.4							
	STD	00020	- 0.27	32.98	25.51	00.031	1445.6							
	OBS	00020	- 0.27	32.980	25.51		1445.6							
	STD	00030	- 0.54	33.01	25.55	00.046	1444.5							
	OBS	00030	- 0.54	33.010	25.55		1444.5							
	STD	00050	- 0.62	33.03	25.57	00.075	1444.5							
	OBS	00050	- 0.62	33.030	25.57		1444.5							

REFID 31 8296	YEAR 1972	ROTOP 00048	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0045	MONTH 04	SHIP EV	WET BULB 01.7	32 5 3	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 02.0N	DAY 16	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 27.0W	HOUR 13.3	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG EEP 110	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	00.03	33.04	26.55	00.000	1446.7							
13.3	OBS	00000	00.03	33.044	26.55		1446.7							
	OBS	00007	00.00	33.034	26.54		1446.7							
	STD	00010	00.00	33.04	26.55	00.015	1446.7							
	OBS	00010	00.00	33.039	26.55		1446.7							
	OBS	00018	- 0.01	33.037	26.55		1446.7							
	STD	00020	- 0.00	33.04	26.54	00.030	1446.9							
	OBS	00023	00.00	33.036	26.54		1447.0							
	STD	00040	- 0.01	33.03	26.54	00.045	1447.0							
	OBS	00040	- 0.01	33.035	26.54		1447.0							
	OBS	00039	- 0.01	33.037	26.55		1447.2							
	OBS	00044	- 0.01	33.001	29.52 *		1447.2							

REFID 31 8296	YEAR 1972	ROTOP 00040	AIR TEMP 13.1	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0046	MONTH 04	SHIP EV	WET BULB 07.8	32 5 3	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 59 N	DAY 16	DATA USE 1	BAROMETR 1011.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 18 W	HOUR 14.2	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG EEP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.34	33.03	26.55	00.000	1445.0							
14.2	OBS	00000	- 0.34	33.027	26.55		1445.0							
	OBS	00009	- 0.34	33.027	26.55		1445.1							
	STD	00010	- 0.34	33.03	26.55	00.015	1445.1							
	STD	00020	- 0.34	33.03	26.55	00.030	1445.1							
	OBS	00020	- 0.38	33.027	26.55		1445.1							
	STD	00030	- 0.39	33.02	26.55	00.045	1445.2							
	OBS	00030	- 0.39	33.023	26.55		1445.2							
	OBS	00038	- 0.40	33.028	26.56		1445.3							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00091	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0047	MONTH 04	SHIP EV	WET BULB 03.3	32 5 3	WIND-SPD 13	TRACE DIR 3	5 SQUARE 2
LAT 43 57 N	DAY 16	DATA USE 1	BAROMETR 1010.8	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 28
LONG 049 10 W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.62	33.01	26.55	00.000	1443.7							
15.3	OBS	00000	- 0.62	33.010	26.55		1441.7							
	OBS	00008	- 0.62	33.010	26.55		1441.8							
	STD	00010	- 0.64	33.00	26.54	00.015	1443.7							
	OBS	00010	- 0.64	33.000	26.54		1441.7							
	STD	00020	- 0.64	33.01	26.55	00.030	1443.9							
	OBS	00020	- 0.64	33.010	26.55		1443.9							
	STD	00030	- 0.67	33.01	26.55	00.045	1443.9							
	OBS	00030	- 0.67	33.010	26.55		1443.9							
	OBS	00040	- 0.69	33.010	26.55		1444.0							
	STD	00050	- 0.73	33.01	26.55	00.075	1444.0							
	OBS	00050	- 0.73	33.010	26.55		1444.0							
	OBS	00064	- 1.11	33.110	26.65		1442.6							
	STD	00075	- 1.13	33.15	26.68	00.110	1442.7							
	OBS	00075	- 1.13	33.150	26.68		1442.7							
	OBS	00080	- 1.05	33.170	26.69		1443.2							

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REFID 31 8296	YEAR 1972	BOTDP 00289	AIR TEMP 01.3	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0048	MONTH 04	SHIP EV	WET BULB 02.8	32 5 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 43 54 N	DAY 16	DATA USE 1	BAROMETR 1010.8	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 28
LONG 049 22 W	HOUR 15.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.87	32.98	26.53	00.000	1442.5							
16.3	OBS	00000	- 0.87	32.980	26.53		1442.5							
	STD	00010	- 0.88	32.98	26.53	00.015	1442.6							
	OBS	00010	- 0.88	32.980	26.53		1442.6							
	STD	00020	- 0.88	32.98	26.53	00.030	1442.7							
	OBS	00020	- 0.88	32.980	26.53		1442.7							
	STD	00030	- 0.90	32.98	26.54	00.045	1442.8							
	OBS	00030	- 0.90	32.980	26.54		1442.8							
	OBS	00040	- 0.95	33.000	26.55		1442.8							
	STD	00050	- 0.96	33.00	26.56	00.075	1442.9							
	OBS	00050	- 0.96	33.005	26.56		1442.9							
	OBS	00063	- 0.96	33.010	26.56		1443.1							
	STD	00075	- 1.12	33.06	26.61	00.112	1442.6							
	OBS	00075	- 1.12	33.060	26.61		1442.6							
	OBS	00085	- 1.27	33.230	26.75		1442.3							
	STD	00100	- 1.15	33.32	26.82	00.145	1443.3							
	OBS	00100	- 1.15	33.320	26.82		1443.3							
	OBS	00120	03.66	33.920	26.90		1445.8							
	STD	00125	02.35	33.60	26.85 *	00.176	1460.3							
	OBS	00135	00.45	33.480	26.88		1451.5							
	OBS	00140	- 0.15	33.580	26.99		1448.9							
	STD	00150	00.14	33.69	27.06	00.203	1450.6							
	OBS	00150	00.14	33.690	27.06		1450.6							
	OBS	00162	00.34	33.680	27.05		1451.7							
	OBS	00165	- 0.50	33.640	27.05		1447.8							
	OBS	00175	- 0.34	33.660	27.06		1448.8							
	OBS	00185	- 0.30	33.710	27.10		1449.2							
	STD	00200	00.46	33.91	27.22	00.250	1453.2							
	OBS	00200	00.46	33.910	27.22		1453.2							
	OBS	00225	00.91	34.035	27.30		1455.8							
	OBS	00240	01.22	34.115	27.34		1457.5							
	STD	00250	01.23	34.12	27.34	00.290	1457.8							
	OBS	00250	01.23	34.120	27.34		1457.8							
	OBS	00260	01.26	34.160	27.37		1458.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REPID 31 8296	YEAR 1972	BOTDP 00674	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0049	MONTH 04	SHIP EV	WET BULB 02.8	32 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 43 53 N	DAY 16	DATA USE 1	BAROMETR 1009.8	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 28
LONG 049 56 W	HOUR 17.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG LIB 110	1 SQUARE 38

CAST	NUM/TIME	LVL	TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
			STD	00000	01.56	33.29	26.66	00.000	1454.0							
	17.3		OBS	00000	01.56	33.290	26.66		1454.0							
			OBS	00004	01.00	33.260	26.67		1451.5							
			STD	00010	01.54	33.28	26.65	00.014	1454.1							
			OBS	00014	01.60	33.320	26.68		1454.5							
			STD	00020	01.55	33.28	26.65	00.029	1454.2							
			OBS	00020	01.55	33.280	26.65		1454.2							
			STD	00030	00.81	33.49	26.86	00.041	1451.4							
			OBS	00030	00.81	33.490	26.86		1451.4							
			STD	00050	- 0.62	33.43	26.89	00.065	1445.1							
			OBS	00053	- 0.83	33.420	26.89		1444.1							
			STD	00075	03.69	33.96	27.00	00.093	1465.3							
			OBS	00075	03.69	33.960	27.00		1465.3							
			OBS	00082	03.79	33.970	27.01		1465.9							
			STD	00100	01.81	33.70	26.96	00.120	1457.3							
			STD	00125	- 0.24	33.56	26.98	00.147	1448.3							
			OBS	00125	- 0.24	33.560	26.98		1444.3							
			OBS	00131	- 0.61	33.570	27.00		1446.7							
			OBS	00146	01.61	33.760	27.03		1457.2							
			STD	00150	00.61	33.77	27.10	00.173	1452.8							
			OBS	00159	- 0.07	33.800	27.16		1449.9							
			OBS	00164	00.49	33.880	27.20		1452.7							
			OBS	00179	00.14	33.880	27.22		1451.3							
			STD	00200	01.09	34.12	27.35	00.216	1456.3							
			OBS	00200	01.09	34.120	27.35		1456.3							
			STD	00250	01.82	34.31	27.45	00.250	1460.6							
			OBS	00250	01.82	34.310	27.45		1460.6							
			OBS	00281	02.32	34.430	27.51		1463.5							
			OBS	00298	02.34	34.480	27.55		1463.9							
			STD	00300	02.41	34.52	27.58	00.280	1464.3							
			OBS	00304	02.79	34.580	27.59		1466.1							
			OBS	00306	03.10	34.600	27.58		1467.5							
			OBS	00332	05.04	34.900	27.61		1476.5							
			OBS	00358	05.32	34.950	27.62		1478.2							
			STD	00400	05.26	34.99	27.66	00.331	1478.7							
			OBS	00400	05.26	34.990	27.66		1478.7							
			OBS	00484	05.03	34.965	27.65		1479.0							
			OBS	00495	04.83	34.960	27.68		1478.4							
			STD	00500	04.83	34.97	27.70	00.379	1478.5							
			OBS	00500	04.83	34.975	27.70		1478.5							
			OBS	00515	04.84	34.970	27.69		1478.8							
			OBS	00552	04.51	34.920	27.69		1478.0							
			OBS	00560	04.23	34.890	27.70		1476.9							
			STD	00600	04.07	34.89	27.71	00.425	1476.9							
			OBS	00600	04.07	34.890	27.71		1476.9							
			OBS	00654	04.05	34.895	27.72		1477.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	ROTOR 02562	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0050	MONTH 04	SHIP FV	WET BULB 03.3	32 3 2	WIND-SPD 13	TRACE DIR 2	5 SQUARE 2
LAT 43 43.0N	DAY 16	DATA USE 1	BAROMETR 1010.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 048 34.0W	HOUR 19.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DWIG TIP 110	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.70	33.67	26.78	00.000	1463.8							
19.3	OBS	00000	03.70	33.670	26.78		1463.8							
	STD	00010	03.70	33.67	26.78	00.013	1464.0							
	OBS	00010	03.70	33.670	26.78		1464.0							
	STD	00020	03.70	33.67	26.78	00.026	1464.1							
	OBS	00020	03.70	33.670	26.78		1464.1							
	STD	00030	03.68	33.67	26.78	00.038	1464.2							
	OBS	00030	03.68	33.670	26.78		1464.2							
	STD	00050	03.68	33.69	26.80	00.064	1464.6							
	OBS	00050	03.68	33.690	26.80		1464.6							
	OBS	00067	03.67	33.700	26.81		1464.7							
	STD	00075	03.10	33.64	26.81	00.095	1462.4							
	OBS	00075	03.10	33.640	26.81		1462.4							
	STD	00100	02.36	33.94	27.12	00.123	1460.0							
	OBS	00100	02.36	33.940	27.12		1460.0							
	OBS	00102	02.31	33.950	27.13		1459.9							
	STD	00125	02.98	34.32	27.37	00.144	1463.7							
	OBS	00125	02.98	34.320	27.37		1463.7							
	STD	00150	03.49	34.48	27.45	00.161	1466.5							
	OBS	00150	03.49	34.480	27.45		1466.5							
	OBS	00180	04.10	34.660	27.53		1469.8							
	OBS	00184	04.11	34.660	27.53		1470.0							
	STD	00200	04.34	34.76	27.58	00.191	1471.3							
	OBS	00200	04.34	34.760	27.58		1471.3							
	STD	00250	04.73	34.88	27.63	00.217	1473.9							
	OBS	00250	04.73	34.880	27.63		1473.9							
	STD	00300	04.79	34.94	27.67	00.241	1475.0							
	OBS	00300	04.79	34.940	27.67		1475.0							
	OBS	00340	05.13	35.020	27.70		1477.2							
	OBS	00370	04.81	34.960	27.69		1476.3							
	STD	00400	04.86	34.99	27.70	00.286	1477.0							
	OBS	00400	04.86	34.990	27.70		1477.0							
	OBS	00460	04.89	34.980	27.69		1478.1							
	STD	00500	04.71	34.98	27.71	00.331	1478.0							
	OBS	00500	04.71	34.980	27.71		1478.0							
	STD	00600	04.38	34.96	27.74	00.375	1478.3							
	OBS	00600	04.38	34.960	27.74		1478.3							
	STD	00700	04.28	34.96	27.75	00.418	1479.5							
	OBS	00700	04.28	34.960	27.75		1479.5							
	STD	00800	04.32	34.98	27.76	00.462	1481.4							
	OBS	00800	04.32	34.980	27.76		1481.4							
	STD	00900	04.13	34.95	27.75	00.506	1482.2							
	OBS	00900	04.13	34.950	27.75		1482.2							
	STD	01000	03.95	34.93	27.76	00.550	1483.1							
	OBS	01000	03.95	34.935	27.76		1483.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

PERIOD 31 8296	YEAR 1972	ROTOR 03083	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0051	MONTH 04	SHIP EV	WET BULB 01.7	32 3 2	WIND-SPD 13	TRACE DIR 2	5 SQUARE 2
LAT 43 35 N	DAY 16	DATA USE 1	BAROMETR 1009.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 048 14 W	HOUR 21.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.14	33.09	26.28	00.000	1464.9							
21.6	OBS	00002	04.14	33.090	26.28		1464.9							
	OBS	00009	04.14	33.087	26.27		1465.0							
	STD	00010	04.14	33.09	26.27	00.018	1465.0							
	OBS	00014	04.14	33.093	26.28		1465.1							
	STD	00020	04.14	33.09	26.28	00.035	1465.2							
	OBS	00020	04.14	33.092	26.28		1465.2							
	OBS	00024	04.14	33.082	26.27		1465.3							
	STD	00030	04.10	33.69	26.76	00.050	1466.0							
	OBS	00033	04.10	33.691	26.76		1466.0							
	OBS	00035	04.07	33.683	26.75		1466.0							
	OBS	00043	04.01	33.688	26.76		1465.9							
	STD	00050	03.94	33.69	26.77	00.076	1465.7							
	OBS	00054	03.89	33.687	26.78		1465.5							
	OBS	00062	04.19	33.960	26.96		1467.3							
	OBS	00069	03.82	33.916	26.96		1465.8							
	STD	00075	03.26	33.99	27.08	00.105	1463.6							
	OBS	00083	02.85	34.068	27.18		1462.1							
	OBS	00091	02.95	34.097	27.19		1462.7							
	OBS	00097	02.48	34.062	27.20		1460.7							
	STD	00100	02.55	34.13	27.25	00.128	1461.1							
	OBS	00100	02.56	34.135	27.26		1461.2							
	OBS	00119	03.45	34.269	27.28		1465.5							
	STD	00125	03.42	34.29	27.30	00.148	1465.5							
	OBS	00130	03.40	34.328	27.33		1465.5							
	OBS	00133	03.38	34.405	27.40		1465.7							
	STD	00150	03.76	34.46	27.40	00.167	1467.6							
	OBS	00150	03.78	34.460	27.40		1467.7							
	OBS	00159	04.14	34.519	27.41		1469.4							
	OBS	00164	04.21	34.506	27.39		1469.8							
	OBS	00185	04.95	34.692	27.46		1473.4							
	STD	00200	05.10	34.70	27.45	00.201	1474.3							
	OBS	00225	05.35	34.831	27.52		1475.9							
	OBS	00238	05.94	34.955	27.55		1478.7							
	STD	00250	05.71	34.92	27.55	00.232	1477.9							
	OBS	00250	05.71	34.919	27.55		1477.9							
	OBS	00267	05.45	34.891	27.56		1477.1							
	OBS	00291	04.63	34.817	27.59		1474.0							
	STD	00300	04.80	34.89	27.63	00.259	1475.0							
	OBS	00300	04.82	34.894	27.63		1475.1							
	OBS	00321	04.99	34.900	27.62		1476.1							
	OBS	00329	04.84	34.891	27.63		1475.6							
	OBS	00341	05.03	34.934	27.64		1476.7							
	OBS	00361	04.85	34.932	27.66		1476.3							
	OBS	00368	05.06	34.960	27.66		1477.3							
	OBS	00381	04.84	34.917	27.65		1476.5							
	OBS	00393	04.99	34.956	27.66		1477.4							
	STD	00400	04.90	34.95	27.67	00.308	1477.1							
	OBS	00450	04.47	34.928	27.70		1476.1							
	STD	00500	04.42	34.92	27.70	00.355	1476.8							
	OBS	00500	04.42	34.921	27.70		1476.8							
	OBS	00551	04.54	34.961	27.72		1478.1							
	OBS	00584	04.32	34.922	27.71		1477.7							
	OBS	00599	04.46	34.926	27.70		1478.6							
	STD	00600	04.46	34.93	27.70	00.402	1478.6							
	OBS	00641	04.45	34.935	27.71		1479.2							
	STD	00700	04.15	34.89	27.70	00.449	1478.9							
	OBS	00700	04.15	34.885	27.70		1478.9							
	OBS	00749	04.14	34.919	27.73		1479.7							
	STD	00800	04.11	34.92	27.73	00.495	1480.4							
	OBS	00801	04.11	34.922	27.73		1480.5							
	OBS	00847	04.06	34.917	27.74		1481.0							
	STD	00900	04.01	34.91	27.74	00.540	1481.7							
	OBS	00900	04.01	34.912	27.74		1481.7							
	OBS	00950	03.98	34.909	27.74		1482.4							
	OBS	00995	03.92	34.904	27.74		1482.9							
	STD	01000	03.92	34.90	27.74	00.586	1482.9							
	OBS	01062	03.89	34.906	27.74		1483.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 9296	YEAR 1972	BOTDP 03658	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0052	MONTH 04	SHIP EV	WET BULB 01.7	34 3 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 43 28 N	DAY 16	DATA USE 1	BAROMETR 1009.8	SEA	WIND-FOR	DURATION 09.3	2 SQUARE 26
LONG 047 53 W	HOUR 23.9	AREA 05	CLOUD T/A	CL/TR	WEATHER 51	ORIG TIP 110	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	P4
	STD	00000	06.33	34.11	26.83	00.000	1475.2							
23.9	OBS	00000	06.33	34.110	26.83		1475.2							
	STD	00010	06.50	34.20	26.88	00.012	1476.2							
	OBS	00010	06.50	34.200	26.88		1476.2							
	STD	00020	07.02	34.30	26.88	00.024	1478.5							
	STD	00030	07.33	34.35	26.88	00.036	1480.0							
	OBS	00030	07.33	34.350	26.88		1480.0							
	OBS	00040	07.42	34.360	26.88		1480.5							
	STD	00050	07.41	34.36	26.88	00.059	1480.6							
	OBS	00050	07.41	34.360	26.88		1480.6							
	STD	00075	04.55	34.09	27.03	00.087	1469.2							
	OBS	00075	04.55	34.090	27.03		1469.2							
	OBS	00090	03.88	34.160	27.15		1466.7							
	STD	00100	05.73	34.59	27.29	00.111	1475.1							
	STD	00125	06.25	34.66	27.27	00.131	1477.7							
	OBS	00125	06.25	34.660	27.27		1477.7							
	OBS	00131	05.50	34.460	27.21 •		1474.5							
	STD	00150	05.12	34.46	27.26	00.152	1473.3							
	OBS	00150	05.12	34.460	27.26		1473.3							
	OBS	00157	05.23	34.460	27.24		1474.0							
	OBS	00170	04.38	34.460	27.34		1470.5							
	OBS	00180	04.23	34.430	27.33		1470.0							
	STD	00200	07.43	35.07	27.43	00.190	1484.1							
	OBS	00200	07.43	35.070	27.43		1484.1							
	STD	00250	06.29	34.91	27.46	00.224	1480.2							
	OBS	00250	06.29	34.910	27.46		1480.2							
	OBS	00270	06.35	34.930	27.47		1480.3							
	STD	00300	04.35	34.64	27.48	00.257	1472.8							
	OBS	00300	04.35	34.640	27.48		1472.8							
	OBS	00308	04.23	34.660	27.52		1472.3							
	OBS	00360	04.80	34.860	27.61		1475.9							
	OBS	00383	05.62	35.000	27.62		1479.8							
	STD	00400	05.56	34.99	27.62	00.315	1479.9							
	OBS	00400	05.56	34.990	27.62		1479.9							
	OBS	00430	05.39	35.030	27.67		1479.7							
	OBS	00450	05.64	35.050	27.66		1481.1							
	STD	00500	05.19	35.00	27.67	00.367	1480.0							
	OBS	00500	05.19	35.000	27.67		1480.0							
	OBS	00550	04.81	34.970	27.69		1479.3							
	STD	00600	04.72	34.96	27.70	00.415	1479.7							
	OBS	00600	04.72	34.960	27.70		1479.7							
	OBS	00640	04.51	34.960	27.72		1479.5							
	STD	00700	04.55	34.98	27.73	00.461	1480.7							
	OBS	00700	04.55	34.980	27.73		1480.7							
	STD	00800	04.34	34.94	27.72	00.507	1481.4							
	OBS	00800	04.34	34.940	27.72		1481.4							
	OBS	00840	04.41	34.975	27.74		1482.4							
	STD	00900	04.33	34.97	27.75	00.553	1483.1							
	OBS	00900	04.33	34.970	27.75		1483.1							
	STD	01000	04.17	34.95	27.75	00.598	1484.1							
	OBS	01000	04.17	34.955	27.75		1484.1							
	OBS	01050	04.14	34.960	27.76		1484.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03612	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0053	MONTH 04	SHIP EV	WET BULB 03.9	34 3 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 43 19 N	DAY 17	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 26
LONG 047 28 W	HOUR 02.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 110	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXVG	PJ6	TOT P	V32	V03	S133	P4
	STD	00000	11.48	35.13	26.81	00.000	1495.8							
02.7	OBS	00000	11.48	35.135	26.81		1495.8							
	STD	00010	11.49	35.13	26.81	00.012	1496.0							
	STD	00020	11.50	35.13	26.81	00.025	1496.2							
	OBS	00024	11.50	35.135	26.81		1496.3							
	STD	00030	11.50	35.14	26.81	00.038	1496.4							
	STD	00050	11.49	35.14	26.81	00.063	1496.7							
	OBS	00050	11.49	35.139	26.81		1496.7							
	OBS	00066	11.44	35.113	26.80		1496.8							
	STD	00075	09.95	34.81	26.83	00.094	1491.2							
	OBS	00080	09.30	34.691	26.85		1488.7							
	OBS	00091	08.56	34.574	26.87		1486.0							
	STD	00100	08.32	34.62	26.96	00.124	1485.3							
	OBS	00100	08.32	34.616	26.94		1485.3							
	OBS	00124	08.20	34.604	26.95		1485.2							
	STD	00125	08.28	34.62	26.95	00.152	1485.6							
	OBS	00141	08.85	34.770	26.98		1488.2							
	OBS	00143	08.74	34.771	27.00		1487.8							
	STD	00150	09.95	35.11	27.07	00.179	1492.8							
	OBS	00155	10.60	35.297	27.10		1495.5							
	OBS	00170	10.57	35.304	27.11		1495.6							
	OBS	00178	10.11	35.198	27.11		1494.0							
	OBS	00184	10.16	35.235	27.13		1494.3							
	OBS	00196	09.61	35.13 P	27.14Q									
	OBS	00199	09.59	35.188	27.19		1492.4							
	STD	00200	09.62	35.20	27.19	00.228	1492.5							
	OBS	00202	09.69	35.209	27.19		1492.8							
	OBS	00205	09.63	35.148	27.15 *		1492.6							
	OBS	00214	08.61	34.995	27.20		1488.7							
	OBS	00217	08.58	34.969	27.18		1488.7							
	OBS	00223	07.94	34.898	27.22		1486.2							
	OBS	00226	08.04	34.965	27.26		1486.7							
	OBS	00240	07.90	34.960	27.28		1486.4							
	OBS	00247	08.36	35.108	27.32		1488.5							
	OBS	00249	08.40	35.083	27.30		1488.6							
	STD	00250	08.40	35.08	27.29	00.273	1488.6							
	OBS	00252	08.40	35.047	27.27		1488.7							
	OBS	00256	08.21	34.95 P	27.22Q*									
	OBS	00258	07.94	34.88 P	27.21Q									
	OBS	00261	07.69	35.030	27.36		1486.1							
	OBS	00264	07.88	35.049	27.35		1486.9							
	OBS	00273	07.79	34.997	27.32 *		1486.6							
	STD	00300	07.11	34.88	27.33	00.314	1484.3							
	OBS	00300	07.11	34.885	27.33		1484.3							
	OBS	00305	06.97	34.943	27.40		1483.9							
	OBS	00309	07.08	34.956	27.39		1484.4							
	OBS	00325	06.75	34.907	27.40		1483.3							
	OBS	00340	06.80	34.976	27.45		1483.8							
	OBS	00349	07.08	35.020	27.44		1485.1							
	OBS	00357	06.32	34.910	27.46		1482.1							
	OBS	00359	07.04	34.999	27.43 *		1485.1							
	OBS	00371	06.37	34.900	27.45		1482.5							
	OBS	00387	06.19	34.874	27.45		1482.0							
	OBS	00390	06.04	34.905	27.49		1481.5							
	OBS	00399	06.30	35.001	27.54		1482.9							
	STD	00400	06.32	35.00	27.53	00.385	1482.9							
	OBS	00402	06.37	34.995	27.52		1483.2							
	OBS	00418	05.98	34.903	27.50		1481.8							
	OBS	00424	05.72	34.869	27.51		1480.8							
	OBS	00434	05.36	34.873	27.55		1479.5							
	OBS	00449	05.40	34.887	27.56		1479.9							
	OBS	00455	05.53	34.920	27.57		1480.6							
	OBS	00473	05.09	34.848	27.57		1479.0							
	OBS	00499	04.74	34.834	27.60		1477.9							
	STD	00500	04.74	34.83	27.60	00.444	1478.0							
	OBS	00523	04.85	34.909	27.64		1478.9							
	OBS	00539	05.39	35.014	27.66		1481.5							
	OBS	00549	05.26	34.984	27.65		1481.1							
	OBS	00576	05.25	35.008	27.67		1481.5							
	STD	00600	05.01	34.97	27.67	00.497	1480.9							
	OBS	00600	05.01	34.968	27.67		1480.9							
	OBS	00624	05.01	34.989	27.69		1481.3							
	OBS	00649	04.86	34.964	27.68		1481.1							
	OBS	00676	04.78	34.965	27.69		1481.2							
	OBS	00698	04.72	34.969	27.70		1481.3							
	STD	00700	04.72	34.97	27.70	00.546	1481.4							
	OBS	00726	04.74	34.984	27.71		1481.9							
	OBS	00749	04.72	34.981	27.71		1482.2							
	OBS	00773	04.69	34.985	27.72		1482.5							
	STD	00800	04.65	34.98	27.72	00.594	1482.8							
	OBS	00800	04.65	34.978	27.72		1482.8							
	OBS	00825	04.56	34.977	27.73		1482.8							
	OBS	00849	04.52	34.997	27.75		1483.1							
	OBS	00874	04.59	34.989	27.73		1483.8							
	OBS	00899	04.59	34.999	27.74		1484.2							
	STD	00900	04.59	35.00	27.74	00.641	1484.2							
	OBS	00927	03.43 P	34.986	27.85Q									
	OBS	00950	04.50	35.009	27.76 *		1484.7							
	STD	01000	04.16	34.99	27.79	00.685	1484.1							
	OBS	01026	04.12	34.951	27.76 *		1484.3							
	OBS	01056	04.18	34.91 P	27.72Q*									

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	ROTOR 03759	AIR TEMP 06.7	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ L306
CONSEC 0054	MONTH 04	SHIP EV	WET BULB 06.7	34 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 43 10.0N	DAY 17	DATA USE 1	BAROMETR 1007.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 26
LONG 047 00.0W	HOUR 05.4	AREA 05	CLOUD T/A	CL/TR	WEATHER 55	ORIG IIP 110	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	09.93	34.66	26.72	00.000	1489.7							
05.4	OBS	00000	09.93	34.664	26.72		1489.7							
	OBS	00005	10.20	34.787	26.77		1490.9							
	STD	00010	10.26	34.78	26.75	00.013	1491.2							
	OBS	00014	10.31	34.778	26.74		1491.5							
	OBS	00019	10.35	34.785	26.74		1491.7							
	STD	00020	10.35	34.78	26.74	00.026	1491.7							
	OBS	00023	10.35	34.784	26.74		1491.8							
	STD	00030	10.37	34.78	26.73	00.039	1492.0							
	OBS	00035	10.39	34.777	26.73		1492.1							
	STD	00050	10.40	34.78	26.73	00.066	1492.4							
	OBS	00058	10.40	34.782	26.73		1492.5							
	OBS	00064	10.44	34.811	26.75		1492.8							
	OBS	00076	10.07	34.793	26.80		1491.6							
	STD	00075	09.97	34.78	26.80	00.099	1491.2							
	OBS	00087	08.14	34.537	26.91		1484.3							
	OBS	00092	08.17	34.583	26.94		1484.6							
	OBS	00099	08.75	35.00 P	27.18Q									
	STD	00100	08.92	34.82	27.01 *	00.128	1487.8							
	OBS	00104	09.42	34.891	26.98 *		1489.8							
	OBS	00112	09.51	34.902	26.98		1490.3							
	OBS	00118	09.45	34.853	26.95 *		1490.1							
	OBS	00123	09.10	34.753	26.93		1488.8							
	STD	00125	09.02	34.75	26.94	00.156	1488.5							
	OBS	00128	08.85	34.755	26.97		1487.9							
	OBS	00132	08.16	34.706	27.04		1485.3							
	OBS	00137	08.67	35.14 P	27.30Q									
	STD	00150	08.75	34.83	27.04 *	00.183	1488.0							
	OBS	00158	09.25	35.26 P	27.30Q									
	OBS	00166	09.94	35.15 P	27.10Q*									
	OBS	00177	10.29 P	35.22 P	27.09Q									
	OBS	00198	08.92	34.959	27.12		1489.6							
	STD	00200	08.88	34.96	27.12	00.234	1489.5							
	OBS	00206	08.76	34.952	27.14		1489.1							
	OBS	00226	09.29	35.101	27.17		1491.6							
	OBS	00247	08.83	34.980	27.15		1490.1							
	STD	00250	08.83	35.00	27.16	00.283	1490.1							
	OBS	00272	08.79	35.088	27.24		1490.5							
	OBS	00290	08.65	35.086	27.26		1490.3							
	STD	00300	08.65	35.09	27.27	00.329	1490.4							
	OBS	00300	08.65	35.095	27.27		1490.4							
	OBS	00316	08.15	35.040	27.30		1488.7							
	OBS	00330	08.34	35.092	27.31		1489.8							
	OBS	00350	07.56	34.977	27.34		1486.9							
	OBS	00375	06.24	34.755	27.35		1481.9							
	STD	00400	06.48	34.86	27.40	00.410	1483.4							
	OBS	00407	06.55	34.890	27.41		1483.8							
	OBS	00431	05.17	34.651	27.40		1478.4							
	OBS	00454	04.68	34.633	27.44		1476.7							
	OBS	00473	05.33	34.806	27.50		1479.9							
	OBS	00487	04.96	34.747	27.50		1478.5							
	STD	00500	05.17	34.84	27.55	00.478	1479.7							
	OBS	00501	05.19	34.847	27.55		1479.8							
	OBS	00512	05.01	34.844	27.57		1479.3							
	OBS	00528	05.23	34.885	27.58		1480.5							
	OBS	00555	05.11	34.879	27.59		1480.5							
	OBS	00578	05.35	34.956	27.62		1481.9							
	OBS	00589	05.20	34.943	27.63		1481.5							
	STD	00600	05.24	34.96	27.64	00.535	1481.8							
	OBS	00605	05.25	34.972	27.64		1482.0							
	OBS	00654	04.99	34.972	27.68		1481.7							
	OBS	00680	05.64	35.091	27.69		1485.0							
	STD	00700	05.57	35.08	27.69	00.587	1485.0							
	OBS	00700	05.57	35.083	27.69		1485.0							
	OBS	00747	05.38	35.074	27.71		1485.0							
	STD	00800	05.05	35.03	27.71	00.636	1484.4							
	OBS	00800	05.04	35.028	27.71		1484.4							
	OBS	00843	04.77	35.008	27.73		1484.0							
	OBS	00899	04.69	35.008	27.74		1484.6							
	STD	00900	04.69	35.01	27.74	00.684	1484.6							
	STD	01000	04.53	34.98	27.74	00.732	1485.6							
	OBS	01001	04.53	34.984	27.74		1485.6							
	OBS	01052	04.36	34.976	27.75		1485.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03733	AIR TEMP 06.1	DIR MGT PER	WIND-DIR 33	INST STD RECORDER		TEN SQ 1306	
CONSEC 0055	MONTH 04	SHIP EV	WET BULB 05.6	53 6 4	WIND-SPD 43	TRACE DIR	0	5 SQUARE 2	
LAT 42 10 N	DAY 17	DATA USE 1	BAROMETR 0998.0	SEA	WIND-FOR	DURATION	07.9	2 SQUARE 26	
LONG 047 40 W	HOUR 12.7	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG IIP 110		1 SQUARE 27	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	P4
	STD	00000	08.04	34.32	26.75	00.000	1482.2							
12.7	OBS	00000	08.04	34.320	26.75		1482.2							
	STD	00010	08.04	34.32	26.76	00.013	1482.4							
	OBS	00010	08.04	34.325	26.76		1482.4							
	STD	00020	08.09	34.37	26.79	00.026	1482.8							
	OBS	00020	08.09	34.370	26.79		1482.8							
	STD	00030	06.73	34.38	26.99	00.038	1477.7							
	OBS	00030	06.73	34.380	26.99		1477.7							
	OBS	00040	06.98	34.540	27.08		1479.0							
	STD	00050	06.67	34.49	27.08	00.058	1477.9							
	OBS	00065	06.38	34.450	27.09		1476.9							
	STD	00075	06.41	34.49	27.12	00.083	1477.3							
	STD	00100	06.48	34.58	27.18	00.107	1478.1							
	OBS	00100	06.48	34.580	27.18		1478.1							
	STD	00125	07.04	34.66	27.17	00.130	1480.8							
	OBS	00125	07.04	34.660	27.17		1480.8							
	STD	00150	04.25	34.41	27.31	00.151	1469.6							
	OBS	00150	04.25	34.410	27.31		1469.6							
	STD	00200	04.03	34.48	27.39	00.188	1469.6							
	OBS	00200	04.03	34.480	27.39		1469.6							
	STD	00250	04.10	34.60	27.48	00.222	1470.9							
	OBS	00250	04.10	34.600	27.48		1470.9							
	STD	00300	04.58	34.72	27.52	00.253	1473.8							
	OBS	00300	04.58	34.720	27.52		1473.8							
	OBS	00340	06.12	35.030	27.58		1481.2							
	OBS	00390	05.00	34.920	27.63		1477.3							
	STD	00400	05.05	34.94	27.64	00.309	1477.7							
	OBS	00400	05.05	34.940	27.64		1477.7							
	OBS	00420	05.74	35.070	27.66		1481.0							
	OBS	00455	05.72	35.080	27.67		1481.5							
	STD	00500	05.13	35.02	27.70	00.358	1479.9							
	OBS	00500	05.13	35.020	27.70		1479.8							
	STD	00600	04.83	35.01	27.73	00.403	1480.2							
	OBS	00600	04.83	35.015	27.73		1480.2							
	STD	00700	04.46	34.98	27.74	00.448	1480.3							
	OBS	00700	04.46	34.980	27.74		1480.3							
	OBS	00740	04.51	34.980	27.74		1481.2							
	OBS	00759	04.35	34.980	27.75		1480.8							
	STD	00800	04.46	35.00	27.76	00.491	1482.0							
	OBS	00800	04.46	35.000	27.76		1482.0							
	OBS	00830	04.55	35.020	27.76		1482.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

RECID 31 8296	YEAR 1972	BOTDP 03550	AIR TEMP 06.7	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEM SQ 1306
CONSEC 0056	MONTH 04	SHIP EV	WET BULB 05.6	02 9 6	WIND-SPD 17	TRACE DIR 0	5 SQUARE 2
LAT 42 25 N	DAY 17	DATA USE 1	BAROMETR 1006.4	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 28
LONG 048 00 W	HOUR 22.3	AREA 05	CLOUD T/A		CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.98	33.77	26.84	00.000	1465.1							
22.3	OBS	00000	03.98	33.775	26.84		1465.1							
	STD	00010	04.00	33.77	26.83	00.012	1465.4							
	OBS	00010	04.00	33.775	26.83		1465.4							
	STD	00020	04.15	33.84	26.87	00.024	1466.3							
	OBS	00020	04.15	33.840	26.87		1466.3							
	STD	00030	04.68	33.94	26.89	00.036	1468.8							
	OBS	00030	04.68	33.940	26.89		1468.8							
	STD	00050	06.31	34.21	26.91	00.059	1476.1							
	OBS	00050	06.31	34.210	26.91		1476.1							
	STD	00075	06.28	34.24	26.94	00.089	1476.4							
	STD	00100	06.26	34.26	26.96	00.116	1476.8							
	OBS	00100	06.26	34.265	26.96		1476.8							
	STD	00125	05.52	34.38	27.14	00.142	1474.4							
	OBS	00125	05.52	34.380	27.14		1474.4							
	STD	00150	05.00	34.43	27.25	00.165	1472.7							
	OBS	00150	05.00	34.430	27.25		1472.7							
	STD	00200	05.74	34.54	27.25	00.208	1476.7							
	STD	00250	05.98	34.68	27.32	00.249	1478.7							
	OBS	00250	05.98	34.680	27.32		1478.7							
	STD	00300	05.71	34.84	27.48	00.285	1478.6							
	OBS	00300	05.71	34.840	27.48		1478.6							
	OBS	00340	04.44	34.620	27.46		1473.8							
	OBS	00380	04.46	34.690	27.51		1474.6							
	STD	00400	04.71	34.79	27.56	00.346	1476.1							
	OBS	00400	04.71	34.790	27.56		1476.1							
	OBS	00480	04.56	34.870	27.64		1476.9							
	STD	00500	04.64	34.91	27.67	00.400	1477.6							
	OBS	00500	04.64	34.910	27.67		1477.6							
	OBS	00560	04.69	34.950	27.69		1478.9							
	OBS	00580	04.60	34.935	27.69		1478.8							
	STD	00600	04.72	34.98	27.71	00.447	1479.7							
	OBS	00600	04.72	34.980	27.71		1479.7							
	OBS	00620	04.93	35.015	27.72		1481.0							
	OBS	00630	04.60	34.980	27.73		1480.6							
	STD	00700	04.80	35.03	27.74	00.492	1481.8							
	OBS	00700	04.80	35.030	27.74		1481.8							
	OBS	00780	04.42	34.975	27.74		1481.5							
	STD	00800	04.60	35.01	27.75	00.537	1482.6							
	OBS	00800	04.60	35.010	27.75		1482.6							
	STD	00900	04.35	34.98	27.76	00.581	1483.2							
	OBS	00900	04.35	34.985	27.76		1483.2							
	STD	01000	04.28	34.98	27.76	00.626	1484.6							
	OBS	01000	04.28	34.980	27.76		1484.6							
	OBS	01050	04.23	34.970	27.76		1485.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03199	AIR TEMP 06.1	DIR HGT PER	#IND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0057	MONTH 04	SHIP EV	WET BULB 05.6	02 7 5	#IND-SPD 05	TRACE DIR 3	5 SQUARE 2
LAT 42 36 N	DAY 18	DATA USE 1	BAROMETR 1007.1	SEA	#IND-FOR	DURATION 00.2	2 SQUARE 28
LONG 048 24 W	HOUR 01.0	AREA 05	CLOUD T/A	CL/TR	#EATHER XL	ORIG LIP 220	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
	STD	00000	04.25	33.70	26.75	00.000	1466.2							
01.0	OBS	00300	04.25	33.700	26.75		1466.2							
	STD	00010	04.27	33.68	26.73	00.013	1466.4							
	OBS	00010	04.27	33.680	26.73		1466.4							
	STD	00020	04.21	33.67	26.73	00.026	1466.3							
	OBS	00020	04.21	33.670	26.73		1466.3							
	STD	00030	04.08	33.63	26.71	00.040	1465.8							
	OBS	00030	04.08	33.625	26.71		1465.8							
	STD	00050	01.60	33.40	26.74	00.066	1455.1							
	OBS	00050	01.60	33.400	26.74		1455.1							
	OBS	00060	00.63	33.560	26.93		1451.2							
	OBS	00062	00.92	33.700	27.03		1452.7							
	OBS	00070	00.66	33.710	27.05		1451.7							
	STD	00075	00.76	33.75	27.08	00.095	1452.3							
	OBS	00075	00.76	33.750	27.08		1452.3							
	STD	00100	02.19	34.06	27.23	00.118	1459.5							
	OBS	00100	02.19	34.060	27.23		1459.5							
	STD	00125	05.73	34.68	27.36	00.138	1475.6							
	OBS	00125	05.73	34.680	27.36		1475.6							
	STD	00150	06.33	34.82	27.39	00.157	1478.6							
	OBS	00150	06.33	34.820	27.39		1478.6							
	OBS	00190	06.65	34.890	27.40		1480.6							
	STD	00200	05.54	34.66	27.36 *	00.193	1476.0							
	OBS	00210	04.98	34.580	27.37		1473.8							
	OBS	00221	05.01	34.660	27.43		1474.2							
	STD	00250	05.04	34.73	27.48	00.228	1474.9							
	OBS	00250	05.43 P	34.95 P	27.610									
	OBS	00272	05.06	34.780	27.52 *		1475.4							
	OBS	00275	05.23	34.820	27.53		1476.2							
	OBS	00285	04.98	34.770	27.52		1475.3							
	STD	00300	05.20	34.88	27.58	00.258	1476.6							
	OBS	00300	05.20	34.885	27.58		1476.6							
	OBS	00305	05.34	34.880	27.56		1477.3							
	OBS	00322	05.35	34.870	27.55		1477.6							
	OBS	00329	04.90	34.775	27.53		1475.7							
	OBS	00350	05.12	34.870	27.58		1477.1							
	STD	00400	04.86	34.88	27.61	00.312	1476.9							
	OBS	00400	04.86	34.875	27.61		1476.9							
	OBS	00405	04.81	34.890	27.63		1476.8							
	OBS	00470	05.13	34.945	27.64		1479.2							
	STD	00500	05.11	35.01	27.69	00.363	1479.7							
	OBS	00500	05.11	35.010	27.69		1479.7							
	OBS	00530	04.89	35.010	27.72		1479.3							
	STD	00600	04.90	35.02	27.72	00.409	1480.5							
	OBS	00600	04.90	35.020	27.72		1480.5							
	OBS	00650	04.35	34.980	27.75		1479.0							
	OBS	00660	04.50	34.995	27.75		1479.8							
	STD	00700	04.20	34.94	27.74	00.454	1479.2							
	OBS	00700	04.20	34.940	27.74		1479.2							
	STD	00800	04.10	34.94	27.75	00.497	1480.4							
	OBS	00800	04.10	34.940	27.75		1480.4							
	STD	00900	04.03	34.93	27.75	00.541	1481.8							
	OBS	00900	04.03	34.935	27.75		1481.8							
	STD	01000	03.96	34.94	27.76	00.585	1483.2							
	OBS	01000	03.96	34.940	27.76		1483.2							
	OBS	01080	03.92	34.940	27.77		1484.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02683	AIR TEMP 05.0	DIR HGT PER	#IND-DIR 09	INST STD RECORDER	TEN SQ 1306
CONSEC 0058	MONTH 04	SHIP EV	WET BULB 05.0	02 6 5	#IND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 42 48 N	DAY 19	DATA USE 1	BAROMETR 1005.1	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 048 40 W	HOUR 03.1	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 110	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	03.65	33.69	26.80	00.000	1463.6							
03.1	OBS	00000	03.65	33.690	26.80		1463.6							
	STD	00010	03.66	33.69	26.80	00.013	1463.8							
	OBS	00010	03.66	33.690	26.80		1463.8							
	STD	00020	03.66	33.69	26.80	00.025	1464.0							
	OBS	00020	03.66	33.690	26.80		1464.0							
	STD	00030	03.66	33.69	26.81	00.038	1464.2							
	OBS	00030	03.66	33.695	26.81		1464.2							
	STD	00050	03.67	33.70	26.81	00.063	1464.5							
	OBS	00050	03.67	33.700	26.81		1464.5							
	STD	00075	02.85	33.65	26.85	00.094	1461.4							
	OBS	00075	02.85	33.655	26.85		1461.4							
	STD	00100	02.21	33.98	27.16	00.120	1459.4							
	OBS	00100	02.21	33.980	27.16		1459.4							
	STD	00125	03.56	34.18	27.20	00.143	1465.9							
	STD	00150	03.95	34.31	27.26	00.164	1468.2							
	OBS	00150	03.95	34.310	27.26		1468.2							
	OBS	00165	03.72	34.360	27.33		1467.5							
	STD	00200	04.55	34.63	27.45	00.202	1471.9							
	OBS	00200	04.55	34.625	27.45		1471.9							
	OBS	00212	04.68	34.650	27.46		1472.7							
	OBS	00218	04.59	34.640	27.46		1472.4							
	STD	00250	05.06	34.79	27.52	00.233	1475.1							
	OBS	00250	05.06	34.790	27.52		1475.1							
	OBS	00270	05.11	34.830	27.55		1475.7							
	OBS	00280	05.08	34.835	27.56		1475.7							
	STD	00300	05.53	35.01	27.64	00.261	1478.1							
	OBS	00300	05.53	35.010	27.64		1478.1							
	OBS	00370	05.01	34.955	27.66		1477.1							
	STD	00400	04.88	34.93	27.66	00.310	1477.0							
	OBS	00400	04.88	34.935	27.66		1477.0							
	OBS	00410	04.85	34.955	27.68		1477.1							
	OBS	00423	05.14	34.980	27.66		1478.5							
	OBS	00445	05.07	34.980	27.67		1478.6							
	OBS	00455	04.70	34.970	27.71		1477.2							
	OBS	00490	04.68	34.950	27.69		1477.7							
	STD	00500	04.58	34.94	27.70	00.358	1477.4							
	OBS	00500	04.58	34.945	27.70		1477.4							
	OBS	00530	04.49	34.940	27.71		1477.5							
	OBS	00570	04.19	34.910	27.72		1476.9							
	STD	00600	04.18	34.91	27.72	00.403	1477.4							
	OBS	00600	04.18	34.915	27.72		1477.4							
	OBS	00648	04.11	34.930	27.74		1477.9							
	OBS	00678	04.44	34.955	27.72		1479.8							
	OBS	00680	04.40	35.000	27.76		1479.8							
	STD	00700	04.52	34.99	27.74	00.447	1480.6							
	OBS	00700	04.52	34.990	27.74		1480.6							
	STD	00800	04.31	34.93	27.72	00.492	1481.3							
	OBS	00800	04.31	34.930	27.72		1481.3							
	OBS	00803	04.25	34.950	27.74		1481.1							
	OBS	00820	04.30	34.970	27.75		1481.6							
	OBS	00830	04.24	34.965	27.75		1481.5							
	OBS	00850	04.27	34.970	27.76		1482.0							
	STD	00900	04.05	34.94	27.75	00.538	1481.9							
	OBS	00900	04.05	34.940	27.75		1481.9							
	OBS	00907	04.05	34.970	27.78		1482.0							
	OBS	00910	04.08	34.970	27.78		1482.2							
	OBS	00947	04.02	34.955	27.77		1482.5							
	OBS	00950	04.06	34.960	27.77		1482.8							
	OBS	00980	04.10	34.965	27.77		1483.4							
	STD	01000	04.10	34.94	27.75	00.582	1483.8							
	OBS	01000	04.10	34.945	27.75		1483.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	AUTOP 01935	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0059	MONTH 04	SHIP FV	WET BULB 04.4	03 2 3	WIND-SPD 23	TRACE DIR 3	5 SQUARE 2
LAT 43 00 N	DAY 18	DATA USE 1	BAROMETR 1007.4	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 28
LONG 048 55 W	HOUR 05.3	AREA. 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.62	33.70	26.81	00.000	1463.5							
05.3	OBS	00000	03.62	33.700	26.81		1463.5							
	STD	00010	03.62	33.70	26.81	00.012	1463.7							
	OBS	00010	03.62	33.700	26.81		1463.7							
	STD	00020	03.62	33.70	26.81	00.025	1463.8							
	OBS	00020	03.62	33.700	26.81		1463.8							
	STD	00030	03.59	33.70	26.82	00.037	1463.9							
	OBS	00030	03.59	33.700	26.82		1463.9							
	STD	00050	02.83	33.73	26.91	00.061	1461.0							
	OBS	00050	02.83	33.730	26.91		1461.0							
	OBS	00064	02.33	33.880	27.07		1459.2							
	STD	00075	02.40	33.95	27.12	00.088	1459.8							
	OBS	00075	02.40	33.950	27.12		1459.8							
	OBS	00089	02.56	34.070	27.20		1460.9							
	OBS	00093	02.43	34.060	27.21		1460.4							
	STD	00100	02.51	34.13	27.26	00.110	1461.9							
	OBS	00100	02.51	34.130	27.26		1463.9							
	OBS	00109	02.67	34.170	27.27		1461.8							
	OBS	00122	02.89	34.270	27.33		1463.1							
	STD	00125	02.88	34.25	27.32	00.130	1463.1							
	OBS	00125	02.88	34.255	27.32		1463.1							
	OBS	00130	02.81	34.215	27.30		1462.9							
	STD	00150	03.98	34.47	27.39	00.149	1468.5							
	OBS	00150	03.98	34.470	27.39		1468.5							
	OBS	00161	04.27	34.480	27.37		1469.9							
	OBS	00180	04.52	34.580	27.42		1471.4							
	STD	00200	04.53	34.56	27.40	00.184	1471.8							
	OBS	00200	04.53	34.560	27.40		1471.8							
	OBS	00203	04.45	34.610	27.45		1471.6							
	OBS	00215	04.90	34.775	27.53		1473.8							
	OBS	00230	04.93	34.800	27.55		1474.2							
	OBS	00242	05.12	34.860	27.57		1475.3							
	STD	00250	05.12	34.87	27.58	00.215	1475.4							
	OBS	00250	05.12	34.870	27.58		1475.4							
	OBS	00267	05.12	34.880	27.59		1475.7							
	STD	00300	05.75	35.04	27.64	00.242	1479.1							
	OBS	00300	05.75	35.040	27.64		1479.1							
	OBS	00310	05.62	35.020	27.64		1478.7							
	OBS	00329	05.66	35.030	27.64		1479.1							
	OBS	00367	04.98	34.950	27.66		1476.9							
	STD	00400	04.82	34.96	27.69	00.290	1476.8							
	OBS	00400	04.82	34.960	27.69		1476.8							
	OBS	00437	04.72	34.925	27.67		1476.8							
	STD	00500	04.02	34.90	27.73	00.335	1475.0							
	OBS	00500	04.02	34.900	27.73		1475.0							
	STD	00600	03.97	34.91	27.74	00.378	1476.5							
	OBS	00600	03.97	34.910	27.74		1476.5							
	STD	00700	03.96	34.92	27.75	00.420	1478.1							
	OBS	00700	03.96	34.920	27.75		1478.1							
	OBS	00780	04.02	34.930	27.75		1479.7							
	STD	00800	04.00	34.92	27.75	00.463	1480.0							
	OBS	00800	04.00	34.925	27.75		1480.0							
	OBS	00911	03.98	34.920	27.75		1480.1							
	STD	00900	04.00	34.94	27.76	00.507	1481.7							
	OBS	00900	04.00	34.940	27.76		1481.7							
	STD	01000	03.89	34.92	27.76	00.550	1482.8							
	OBS	01000	03.89	34.925	27.76		1482.8							
	OBS	01053	03.86	34.925	27.76		1483.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01132	AIR TEMP 03.9	DIR HGT PER	#IND-DIR 13	INST STD RECORDER	TEN SJ 1306
CONSEC 0060	MONTH 04	SHIP EV	WET BULB 03.3	33 3 2	#IND-SPD 23	TRACE DIR 3	S SQUARE 2
LAT 43 08 N	DAY 18	DATA USE 1	BAROMETR 1001.0	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 28
LONG 049 07 W	HOUR 07.3	AREA 05	CLOUD T/A	CL/TR	#EXTRA KS	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.93	33.79	26.86	00.000	1464.9							
07.3	OBS	00000	03.93	33.795	26.86		1464.9							
	STD	00010	03.92	33.79	26.86	00.012	1465.1							
	OBS	00010	03.92	33.795	26.86		1465.1							
	STD	00020	03.31	33.80	26.93	00.024	1462.6							
	OBS	00020	03.31	33.805	26.93		1462.6							
	STD	00030	03.38	34.02	27.09	00.034	1463.4							
	OBS	00030	03.38	34.025	27.09		1463.4							
	OBS	00048	03.55	34.020	27.07		1464.4							
	STD	00050	03.61	34.03	27.08	00.054	1464.7							
	OBS	00061	03.86	34.075	27.09		1465.9							
	STD	00075	03.86	34.10	27.11	00.079	1466.2							
	OBS	00075	03.84	34.105	27.11		1466.2							
	OBS	00081	03.86	34.100	27.11		1466.4							
	STD	00100	03.89	34.22	27.20	00.102	1467.0							
	OBS	00100	03.89	34.225	27.20		1467.0							
	OBS	00110	04.43	34.350	27.25		1469.6							
	OBS	00117	04.43	34.360	27.25		1469.7							
	STD	00125	04.72	34.46	27.30	00.123	1471.2							
	OBS	00125	04.72	34.465	27.30		1471.2							
	OBS	00129	04.76	34.460	27.30		1471.4							
	OBS	00136	04.45	34.420	27.30		1470.2							
	OBS	00140	04.46	34.500	27.36		1470.4							
	STD	00150	04.87	34.58	27.38	00.142	1472.4							
	OBS	00150	04.87	34.580	27.38		1472.4							
	OBS	00177	04.90	34.615	27.40		1473.0							
	OBS	00180	04.85	34.640	27.43		1472.9							
	OBS	00195	05.02	34.680	27.44		1473.9							
	STD	00200	04.21	34.56	27.44	00.177	1470.4							
	OBS	00215	02.86	34.405	27.45		1464.7							
	OBS	00225	02.86	34.470	27.50		1465.0							
	STD	00250	03.40	34.59	27.54	00.208	1467.9							
	OBS	00250	03.40	34.590	27.54		1467.9							
	OBS	00254	03.33	34.580	27.54		1467.6							
	STD	00300	04.07	34.76	27.61	00.235	1471.8							
	OBS	00300	04.07	34.765	27.61		1471.8							
	OBS	00305	04.21	34.800	27.63		1472.5							
	OBS	00314	04.16	34.820	27.65		1472.5							
	OBS	00360	04.30	34.845	27.65		1473.8							
	OBS	00380	04.29	34.860	27.67		1474.1							
	STD	00400	04.34	34.88	27.68	00.284	1474.7							
	OBS	00400	04.34	34.880	27.68		1474.7							
	OBS	00430	04.40	34.900	27.69		1475.5							
	OBS	00470	04.37	34.910	27.70		1476.0							
	STD	00500	04.33	34.91	27.70	00.330	1476.4							
	OBS	00500	04.33	34.910	27.70		1476.4							
	OBS	00512	04.32	34.910	27.70		1476.5							
	OBS	00520	04.25	34.910	27.71		1476.4							
	OBS	00560	04.25	34.910	27.71		1477.0							
	STD	00600	04.14	34.91	27.72	00.375	1477.2							
	OBS	00600	04.14	34.910	27.72		1477.2							
	OBS	00640	04.05	34.905	27.73		1477.5							
	OBS	00690	04.05	34.910	27.73		1478.3							
	STD	00700	04.09	34.92	27.73	00.420	1478.7							
	OBS	00700	04.09	34.920	27.73		1478.7							
	OBS	00720	04.09	34.910	27.73		1479.0							
	OBS	00740	04.07	34.910	27.73		1479.3							
	STD	00800	04.02	34.91	27.73	00.464	1480.0							
	OBS	00800	04.02	34.910	27.73		1480.0							
	OBS	00840	03.99	34.910	27.74		1480.6							
	STD	00900	03.98	34.91	27.74	00.509	1481.5							
	OBS	00900	03.98	34.910	27.74		1481.5							
	OBS	00940	03.98	34.915	27.74		1482.2							
	STD	01000	04.02	34.92	27.75	00.555	1483.4							
	OBS	01000	04.02	34.925	27.75		1483.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00057	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0064	MONTH 04	SHIP EV	WET BULB 02.8	06 9 3	WIND-SPD 33	TRACE DIR D	5 SQUARE 2
LAT 43 33 N	DAY 18	DATA USE 1	BAROMETR 0990.5	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 28
LONG 049 40 W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.20	33.10	26.59	00.000	1447.6							
12.5	OBS	00000	00.20	33.100	26.59		1447.6							
	STD	00010	00.20	33.10	26.59	00.015	1447.7							
	OBS	00010	00.20	33.100	26.59		1447.7							
	STD	00020	00.20	33.09	26.58	00.029	1447.9							
	OBS	00020	00.20	33.095	26.58		1447.9							
	STD	00030	00.21	33.10	26.59	00.044	1448.1							
	OBS	00030	00.21	33.100	26.59		1448.1							
	OBS	00040	00.21	33.100	26.59		1448.3							

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REFID 31 8296	YEAR 1972	BOTDP 00071	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0065	MONTH 04	SHIP EV	WET BULB 03.3	55 2 2	WIND-SPD 33	TRACE DIR D	5 SQUARE 1
LAT 43 16.0N	DAY 18	DATA USE 1	BAROMETR 0981.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 22.5W	HOUR 15.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.56	33.01	26.49	00.000	1449.1							
15.6	OBS	00000	00.56	33.010	26.49		1449.1							
	STD	00010	00.54	33.01	26.50	00.015	1449.2							
	OBS	00010	00.54	33.010	26.50		1449.2							
	STD	00020	00.50	33.03	26.51	00.031	1449.2							
	OBS	00020	00.50	33.030	26.51		1449.2							
	STD	00030	00.26	33.04	26.53	00.046	1448.3							
	OBS	00030	00.26	33.040	26.53		1448.3							
	OBS	00040	- 0.22	33.050	26.57		1446.2							
	STD	00050	- 0.27	33.11	26.62	00.075	1446.2							
	OBS	00050	- 0.27	33.110	26.62		1446.2							

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REFID 31 8296	YEAR 1972	BOTDP 00080	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0066	MONTH 04	SHIP EV	WET BULB 02.8	05 6 3	WIND-SPD 23	TRACE DIR D	5 SQUARE 1
LAT 43 07 N	DAY 18	DATA USE 1	BAROMETR 0976.3	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 22 W	HOUR 16.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.18	33.16	26.66	00.000	1445.9							
16.8	OBS	00000	- 0.18	33.165	26.66		1445.9							
	STD	00010	- 0.18	33.16	26.65	00.014	1446.1							
	OBS	00010	- 0.18	33.160	26.65		1446.1							
	STD	00020	- 0.19	33.17	26.66	00.029	1446.2							
	OBS	00020	- 0.19	33.170	26.66		1446.2							
	STD	00030	- 0.19	33.17	26.66	00.042	1446.4							
	OBS	00030	- 0.19	33.170	26.66		1446.4							
	STD	00050	- 0.20	33.17	26.66	00.070	1446.7							
	OBS	00050	- 0.20	33.170	26.66		1446.7							

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REFID 31 8296	YEAR 1972	BOTDP 00097	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0067	MONTH 04	SHIP EV	WET BULB 01.7	05 6 2	WIND-SPD 23	TRACE DIR D	5 SQUARE 1
LAT 43 00.0N	DAY 18	DATA USE 1	BAROMETR 0976.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 20.0W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.36	33.17	26.67	00.000	1445.1							
18.2	OBS	00000	- 0.36	33.170	26.67		1445.1							
	STD	00010	- 0.36	33.17	26.67	00.014	1445.3							
	OBS	00010	- 0.36	33.170	26.67		1445.3							
	STD	00020	- 0.40	33.17	26.67	00.028	1445.2							
	OBS	00020	- 0.40	33.170	26.67		1445.2							
	STD	00030	- 0.40	33.17	26.67	00.041	1445.4							
	OBS	00030	- 0.40	33.175	26.67		1445.4							
	OBS	00040	- 0.40	33.175	26.67		1445.6							
	STD	00050	- 0.41	33.17	26.67	00.069	1445.7							
	OBS	00050	- 0.41	33.175	26.67		1445.7							
	OBS	00060	- 0.45	33.180	26.68		1445.7							
	OBS	00070	- 0.79	33.255	26.75		1444.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00241	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0068	MONTH 04	SHIP EV	WET BULB 01.7	05 6 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 1
LAT 42 54 N	DAY 19	DATA USE 1	BAROMETR 0971.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 20 W	HOUR 19.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
	STD	00000	- 0.29	33.09	25.60	00.000	1445.3							
19.2	OBS	00000	- 0.29	33.095	25.60		1445.3							
	STD	00010	- 0.29	33.11	26.62	00.014	1445.5							
	OBS	00010	- 0.29	33.110	26.62		1445.5							
	STD	00020	- 0.29	33.11	26.62	00.029	1445.7							
	OBS	00020	- 0.29	33.110	26.62		1445.7							
	STD	00030	- 0.29	33.11	26.62	00.043	1445.8							
	OBS	00030	- 0.29	33.110	26.62		1445.8							
	STD	00050	- 0.31	33.11	26.62	00.072	1446.1							
	OBS	00050	- 0.31	33.110	26.62		1446.1							
	STD	00075	- 0.45	33.12	26.63	00.107	1445.8							
	OBS	00075	- 0.45	33.120	26.63		1445.8							
	STD	00100	- 1.03	33.30	26.80	00.140	1443.8							
	OBS	00100	- 1.03	33.300	26.80		1443.8							
	STD	00125	- 0.65	33.39	26.86	00.171	1446.1							
	OBS	00125	- 0.65	33.390	26.86		1446.1							
	STD	00150	- 0.57	33.43	26.89	00.201	1447.0							
	OBS	00150	- 0.57	33.430	26.89		1447.0							
	OBS	00175	00.15	33.650	27.03		1451.0							
	STD	00200	00.55	33.74	27.08	00.255	1453.3							
	OBS	00200	00.55	33.740	27.08		1453.3							

REFID 31 8296	YEAR 1972	BOTDP 00988	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1307
CONSEC 0069	MONTH 04	SHIP EV	WET BULB 02.8	59 2 4	WIND-SPD 13	TRACE DIR 0	5 SQUARE 1
LAT 42 47.0N	DAY 18	DATA USE 1	BAROMETR 0970.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 30.0W	HOUR 20.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
	STD	00000	- 0.59	33.00	26.54	00.000	1443.8							
20.5	OBS	00000	- 0.59	33.000	26.54		1443.8							
	STD	00010	- 0.60	33.00	26.54	00.015	1443.9							
	OBS	00010	- 0.60	33.000	26.54		1443.9							
	STD	00020	- 0.60	33.00	26.54	00.030	1444.1							
	OBS	00020	- 0.60	33.000	26.54		1444.1							
	STD	00030	- 0.65	33.00	26.54	00.045	1444.0							
	OBS	00030	- 0.65	33.000	26.54		1444.0							
	STD	00050	- 0.77	33.04	26.58	00.075	1443.8							
	OBS	00050	- 0.77	33.040	26.58		1443.8							
	OBS	00070	- 1.05	33.230	26.74		1443.1							
	STD	00075	- 1.04	33.25	26.76	00.109	1443.3							
	OBS	00075	- 1.04	33.250	26.76		1443.3							
	STD	00100	- 1.02	33.29	26.79	00.141	1443.8							
	OBS	00100	- 1.02	33.290	26.79		1443.8							
	OBS	00110	- 1.07	33.285	26.79		1443.8							
	STD	00125	- 0.85	33.38	26.86	00.172	1445.2							
	OBS	00125	- 0.85	33.385	26.86		1445.2							
	OBS	00138	- 0.93	33.410	26.88		1445.1							
	STD	00150	- 0.45	33.54	26.97	00.200	1447.7							
	OBS	00155	- 0.19	33.580	26.99		1449.0							
	OBS	00173	01.11	33.680	27.00		1455.3							
	OBS	00190	- 0.20	33.665	27.06		1449.7							
	STD	00200	- 0.07	33.69	27.07	00.252	1450.5							
	OBS	00205	00.01	33.705	27.08		1450.9							
	OBS	00240	00.81	33.860	27.16		1455.3							
	STD	00250	02.35	34.10	27.24	00.298	1462.7							
	OBS	00265	03.66	34.310	27.29		1468.8							
	STD	00300	02.08	34.14	27.30	00.340	1462.4							
	OBS	00300	02.09	34.140	27.30		1462.4							
	OBS	00330	03.27	34.480	27.47		1468.5							
	OBS	00360	02.87	34.480	27.50		1467.3							
	OBS	00380	02.87	34.510	27.53		1467.6							
	STD	00400	03.03	34.55	27.55	00.408	1468.7							
	OBS	00400	03.03	34.550	27.55		1468.7							
	OBS	00460	04.53	34.830	27.62		1476.4							
	STD	00500	04.56	34.85	27.63	00.463	1477.2							
	OBS	00500	04.56	34.850	27.63		1477.2							
	STD	00600	04.52	34.91	27.68	00.514	1478.8							
	OBS	00600	04.52	34.910	27.68		1478.8							
	STD	00700	04.19	34.89	27.70	00.562	1479.1							
	OBS	00700	04.19	34.895	27.70		1479.1							
	STD	00800	04.11	34.91	27.72	00.609	1480.4							
	OBS	00800	04.11	34.910	27.72		1480.4							
	STD	00900	04.09	34.91	27.73	00.655	1482.0							
	OBS	00900	04.09	34.910	27.73		1482.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01390	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1307
CONSEC 0070	MONTH 04	SHIP EV	WET BULB 02.8	59 6 4	WIND-SPD 23	TRACE DIR 0	5 SQUARE 1
LAT 42 37 N	DAY 18	DATA USE	BAROMETR 0968.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 20
LONG 050 35 W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	00.95	33.25	26.67	00.000	1451.2							
21.0	OBS	00000	00.95	33.250	26.67		1451.2							
	STD	00010	00.95	33.25	26.67	00.014	1451.3							
	OBS	00010	00.95	33.250	26.67		1451.3							
	STD	00020	00.88	33.25	26.67	00.028	1451.2							
	OBS	00020	00.88	33.250	26.67		1451.2							
	STD	00030	00.07	33.27	26.73	00.041	1447.7							
	STD	00050	- 0.91	33.31	26.81	00.067	1443.6							
	OBS	00050	- 0.91	33.315	26.81		1443.6							
	STD	00075	- 0.92	33.38	26.86	00.097	1444.0							
	OBS	00075	- 0.92	33.380	26.86		1444.0							
	OBS	00085	- 0.70	00.430	00.21 *		1400.9							
	STD	00100	- 1.24	33.44	26.92	00.127	1443.0							
	OBS	00100	- 1.24	33.440	26.92		1443.0							
	STD	00125	00.05	33.88	27.22	00.152	1450.0							
	OBS	00125	00.05	33.880	27.22		1450.0							
	STD	00150	02.43	34.13	27.26	00.173	1461.4							
	STD	00200	04.61	34.40	27.27	00.214	1471.9							
	OBS	00200	04.61	34.400	27.27		1471.9							
	OBS	00215	04.59	34.420	27.28		1472.1							
	OBS	00235	05.95	34.700	27.34		1478.3							
	STD	00250	05.33	34.61	27.35	00.254	1476.0							
	OBS	00250	05.33	34.610	27.35		1476.0							
	OBS	00285	04.81	34.580	27.39		1474.4							
	STD	00300	05.49	34.74	27.43	00.291	1477.6							
	OBS	00300	05.49	34.740	27.43		1477.6							
	OBS	00330	06.30	34.900	27.46		1481.6							
	OBS	00390	04.16	34.665	27.52		1473.5							
	STD	00400	04.20	34.71	27.56	00.355	1473.9							
	OBS	00400	04.20	34.710	27.56		1473.9							
	OBS	00405	04.90	34.860	27.60		1477.1							
	OBS	00481	04.60	34.850	27.62		1477.1							
	STD	00500	04.48	34.85	27.64	00.410	1476.9							
	OBS	00500	04.48	34.850	27.64		1476.9							
	OBS	00517	04.57	34.890	27.66		1477.6							
	OBS	00538	04.42	34.860	27.65		1477.3							
	OBS	00573	04.35	34.890	27.68		1477.6							
	STD	00600	05.42	34.96	27.61 *	00.463	1482.6							
	OBS	00600	05.42	34.960	27.61		1482.6							
	STD	00700	04.10	34.90	27.72	00.514	1478.7							
	OBS	00700	04.10	34.905	27.72		1478.7							
	OBS	00740	04.21	34.935	27.73		1479.9							
	OBS	00745	04.15	34.910	27.72		1479.7							
	OBS	00762	04.15	34.920	27.73		1480.0							
	STD	00800	04.28	34.95	27.74	00.559	1481.2							
	OBS	00800	04.28	34.950	27.74		1481.2							
	OBS	00860	04.43	34.985	27.75		1482.8							
	STD	00900	04.19	34.95	27.75	00.604	1482.5							
	OBS	00900	04.19	34.950	27.75		1482.5							
	STD	01000	04.12	34.95	27.76	00.649	1483.8							
	OBS	01000	04.12	34.950	27.76		1483.8							
	OBS	01060	04.10	34.950	27.76		1484.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02032	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1307
CONSEC 0071	MONTH 04	SHIP EV	WET BULB 01.1	59 6 6	WIND-SPD 24	TRACE DIR D	5 SQUARE 1
LAT 42 22 N	DAY 19	DATA USE 1	BAROMETR 0968.5	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 20
LONG 050 50 W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P4
	STD	00000	02.89	33.56	26.77	00.000	1460.2							
00.5	OBS	00000	02.89	33.560	26.77		1460.2							
	STD	00010	02.92	33.58	26.78	00.013	1460.5							
	OBS	00010	02.92	33.580	26.78		1460.5							
	OBS	00012	02.94	33.585	26.78		1460.6							
	STD	00020	02.70	33.54	26.77	00.026	1459.7							
	OBS	00020	02.70	33.540	26.77		1459.7							
	OBS	00021	02.66	33.550	26.78		1459.5							
	STD	00030	02.65	33.58	26.81	00.038	1459.7							
	OBS	00030	02.65	33.580	26.81		1459.7							
	STD	00050	01.71	33.59	26.89	00.063	1455.9							
	OBS	00065	01.41	33.680	26.98		1454.9							
	STD	00075	01.41	33.78	27.06	00.090	1455.2							
	OBS	00075	01.41	33.780	27.06		1455.2							
	STD	00100	02.49	34.02	27.17	00.114	1460.7							
	OBS	00100	02.49	34.025	27.17		1460.7							
	STD	00125	02.53	34.08	27.21	00.136	1461.4							
	OBS	00125	02.53	34.080	27.21		1461.4							
	OBS	00139	02.95	34.160	27.24		1463.5							
	STD	00150	03.18	34.20	27.25	00.158	1464.8							
	OBS	00180	03.82	34.300	27.27		1468.1							
	STD	00200	05.48	34.64	27.35	00.197	1475.8							
	OBS	00200	05.48	34.640	27.35		1475.8							
	OBS	00203	05.86	34.660	27.32 *		1477.4							
	OBS	00222	05.42	34.580	27.31		1475.8							
	OBS	00245	03.18	34.300	27.33		1466.5							
	STD	00250	03.63	34.42	27.38	00.235	1468.6							
	OBS	00250	03.63	34.420	27.38		1468.6							
	STD	00300	04.53	34.63	27.46	00.269	1473.5							
	OBS	00310	04.71	34.670	27.47		1474.5							
	OBS	00322	04.15	34.640	27.51		1472.3							
	OBS	00335	04.31	34.680	27.52		1473.2							
	STD	00400	04.92	34.76	27.51	00.334	1476.9							
	OBS	00402	04.94	34.760	27.51		1477.1							
	OBS	00415	04.36	34.780	27.59		1474.9							
	OBS	00450	04.84	34.930	27.66		1477.7							
	OBS	00475	04.84	34.910	27.64		1478.1							
	STD	00500	04.72	34.92	27.67	00.390	1478.0							
	OBS	00500	04.72	34.920	27.67		1478.0							
	OBS	00505	04.66	34.930	27.68		1477.8							
	OBS	00530	04.76	34.960	27.69		1478.7							
	STD	00600	04.55	34.94	27.70	00.438	1479.0							
	OBS	00600	04.55	34.945	27.70		1479.0							
	OBS	00625	04.56	34.955	27.71		1479.4							
	STD	00700	04.24	34.92	27.72	00.484	1479.3							
	OBS	00700	04.24	34.920	27.72		1479.3							
	OBS	00757	04.16	34.920	27.73		1479.9							
	STD	00800	04.15	34.92	27.73	00.530	1480.6							
	OBS	00800	04.15	34.920	27.73		1480.6							
	STD	00900	04.12	34.93	27.74	00.575	1482.1							
	OBS	00900	04.12	34.930	27.74		1482.1							
	OBS	00940	04.12	34.940	27.75		1482.8							
	STD	01000	04.22	34.96	27.76	00.621	1484.3							
	OBS	01000	04.22	34.965	27.76		1484.3							
	OBS	01045	04.17	34.960	27.76		1484.8							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03120	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1307
CONSEC 0072	MONTH 06	SHIP EV	WET BULB 02.8	82 7 4	WIND-SPD 42	TRACE DIR 0	5 SQUARE 1
LAT 41 59 N	DAY 19	DATA USE 1	BAROMETR 0975.3	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 00
LONG 050 30 W	HOUR 03.6	AREA 05	CLOUD T/A	CL/TR	WEATHER 45	ORIG TIP 110	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.05	33.44	26.66	00.000	1460.7							
03.6	OBS	00000	03.05	33.440	26.66		1460.7							
	STD	00010	03.05	33.44	26.66	00.014	1460.9							
	OBS	00010	03.05	33.440	26.66		1460.9							
	STD	00020	03.05	33.44	26.66	00.028	1461.0							
	OBS	00020	03.05	33.440	26.66		1461.0							
	STD	00030	03.05	33.44	26.66	00.042	1461.2							
	OBS	00030	03.05	33.440	26.66		1461.2							
	STD	00050	03.05	33.44	26.66	00.070	1461.5							
	OBS	00050	03.05	33.440	26.66		1461.5							
	STD	00075	03.05	33.44	26.66	00.104	1461.9							
	OBS	00075	03.05	33.440	26.66		1461.9							
	STD	00100	02.99	33.48	26.70	00.139	1462.1							
	OBS	00100	02.99	33.440	26.70		1462.1							
	STD	00125	02.18	33.62	26.88	00.171	1459.2							
	OBS	00125	02.18	33.620	26.88		1459.2							
	STD	00150	02.23	33.83	27.04	00.199	1460.1							
	OBS	00150	02.23	33.830	27.04		1460.1							
	OBS	00189	02.67	33.880	27.04		1462.8							
	STD	00200	02.56	33.93	27.09	00.249	1462.5							
	OBS	00200	02.56	33.930	27.09		1462.5							
	STD	00250	02.23	34.13	27.28	00.294	1462.2							
	OBS	00250	02.23	34.125	27.28		1462.2							
	STD	00300	02.92	34.24	27.31	00.335	1466.2							
	OBS	00300	02.92	34.240	27.31		1466.2							
	OBS	00335	03.46	34.330	27.33		1469.2							
	OBS	00350	03.27	34.335	27.35		1468.6							
	OBS	00385	03.50	34.420	27.40		1470.3							
	STD	00400	03.48	34.42	27.40	00.410	1470.5							
	OBS	00400	03.48	34.420	27.40		1470.5							
	OBS	00420	03.53	34.425	27.40		1471.0							
	OBS	00435	03.67	34.460	27.41		1471.9							
	OBS	00447	03.62	34.455	27.41		1471.9							
	STD	00500	03.67	34.51	27.45	00.480	1473.0							
	OBS	00500	03.67	34.510	27.45		1473.0							
	OBS	00552	02.61	34.400	27.46		1469.2							
	STD	00600	02.91	34.53	27.54	00.544	1471.5							
	OBS	00600	02.91	34.530	27.54		1471.5							
	STD	00700	04.76	34.83	27.59	00.603	1481.3							
	OBS	00700	04.76	34.830	27.59		1481.3							
	OBS	00765	05.16	34.870	27.57		1484.1							
	STD	00800	05.56	34.98	27.61	00.662	1486.5							
	OBS	00800	05.56	34.980	27.61		1486.5							
	OBS	00840	05.34	34.950	27.62		1486.2							
	OBS	00874	04.90	34.915	27.64		1484.9							
	STD	00900	04.96	34.94	27.65	00.720	1485.6							
	OBS	00900	04.96	34.940	27.65		1485.6							
	OBS	00941	05.02	34.935	27.64		1486.6							
	STD	01000	04.96	34.96	27.67	00.775	1487.3							
	OBS	01000	04.96	34.965	27.67		1487.3							
	OBS	01050	04.93	34.975	27.68		1488.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03621	AIR TEMP 09.9	DIR HGT PER	#WIND-DIR 04	INST STD RECORDER	TEN SQ 1307
CONSEC 0073	MONTH 05	SHIP EV	#WET BULB 08.3	08 0 2	#WIND-SPD 04	TRACE DIR 3	5 SQUARE 1
LAT 41 03 N	DAY 09	DATA USE 1	BAROMETR 1020.3	SEA	#WIND-FOR	DURATION 03.2	2 SQUARE 00
LONG 050 15 W	HOUR 05.0	AREA 05	CLOUD T/A	CL/TR	#WEATHER XX	ORIG EIP 110	1 SQUARE 10

CASTNUM/TIME	CVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	09.90	33.50	25.98	00.000	1484.4							
05.0	OBS	00000	08.90	33.500	25.98		1486.4							
	STD	00010	10.70	33.90	25.99	00.020	1491.7							
	OBS	00010	10.70	33.900	25.99		1491.7							
	STD	00020	07.29	33.44	26.17	00.040	1478.5							
	STD	00030	05.80	33.30	26.26	00.058	1472.5							
	OBS	00030	05.80	33.300	26.26		1472.5							
	STD	00050	08.60	34.00	26.42	00.092	1484.7							
	OBS	00050	08.60	34.000	26.42		1484.7							
	STD	00075	11.40	35.15	26.84	00.128	1496.8							
	OBS	00075	11.40	35.150	26.84		1496.8							
	STD	00100	10.10	34.96	26.92	00.158	1492.3							
	OBS	00100	10.10	34.960	26.92		1492.3							
	STD	00125	10.14	35.01	26.95	00.187	1493.0							
	STD	00150	10.21	35.04	26.97	00.215	1493.7							
	STD	00200	10.40	35.10	26.98	00.272	1495.2							
	OBS	00200	10.40	35.100	26.98		1495.2							
	OBS	00220	10.50	35.115	26.97		1495.9							
	OBS	00238	10.30	35.130	27.02		1495.5							
	STD	00250	08.59	34.75	27.01	00.327	1488.9							
	OBS	00260	07.80	34.590	27.00		1485.9							
	OBS	00270	07.60	34.560	27.01		1485.2							
	STD	00300	07.50	34.62	27.07	00.381	1485.4							
	OBS	00300	07.50	34.620	27.07		1485.4							
	OBS	00320	08.60	34.960	27.17		1490.4							
	OBS	00347	08.40	34.950	27.19		1490.1							
	OBS	00352	07.30	34.700	27.16		1485.6							
	STD	00400	07.64	34.87	27.25	00.479	1488.0							
	OBS	00408	07.70	34.900	27.26		1488.3							
	OBS	00437	05.80	34.570	27.26		1480.9							
	OBS	00450	07.10	34.950	27.39		1486.9							
	STD	00500	07.10	35.02	27.44	00.561	1487.7							
	OBS	00500	07.10	35.020	27.44		1487.7							
	STD	00600	05.80	34.97	27.58	00.628	1484.1							
	OBS	00600	05.80	34.970	27.58		1484.1							
	STD	00700	05.42	35.00	27.65	00.685	1484.3							
	OBS	00700	05.42	35.005	27.65		1484.3							
	STD	00800	04.89	35.00	27.71	00.736	1483.8							
	OBS	00800	04.89	35.000	27.71		1483.8							
	STD	00900	04.71	35.00	27.73	00.785	1484.7							
	OBS	00900	04.71	35.000	27.73		1484.7							
	STD	01000	04.45	34.98	27.74	00.832	1485.3							
	OBS	01000	04.45	34.980	27.74		1485.3							
	OBS	01012	04.39	34.980	27.75		1485.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	SOIDP 03767	AIR TEMP 10.5	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1307
CONSEC 0074	MONTH 05	SHIP FV	WET BULB 09.4	24 2 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 1
LAT 41 34 N	DAY 09	DATA USE 1	BAROMETR 1001.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 00
LONG 050 18 W	HOUR 08.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 110	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	P4
	STD	00000	11.30	34.28	26.18	00.000	1494.1							
08.7	OBS	00000	11.30	34.285	26.18		1494.1							
	OBS	00006	11.50	34.360	26.21		1495.0							
	STD	00010	11.45	34.40	26.40	00.017	1495.2							
	STD	00020	11.28	34.92	26.68	00.032	1495.2							
	OBS	00020	11.28	34.925	26.68		1495.2							
	STD	00030	11.05	34.88	26.69	00.046	1494.5							
	OBS	00030	11.05	34.880	26.69		1494.5							
	OBS	00031	11.03	34.850	26.67		1494.4							
	OBS	00042	10.97	34.980	26.71		1494.4							
	STD	00050	11.01	34.99	26.79	00.073	1494.8							
	OBS	00050	11.01	34.995	26.79		1494.8							
	OBS	00065	11.35	35.150	26.85		1496.5							
	OBS	00070	11.19	35.110	26.85		1495.9							
	STD	00075	11.50	35.22	26.87	00.104	1497.2							
	OBS	00075	11.50	35.220	26.87		1497.2							
	OBS	00080	11.96	35.400	26.93		1499.1							
	STD	00100	09.07	34.69	26.88	00.134	1488.2							
	OBS	00113	08.62	34.640	26.92		1486.7							
	STD	00125	09.20	34.89	27.02	00.162	1489.4							
	OBS	00125	09.20	34.890	27.02		1489.4							
	OBS	00128	09.21	34.910	27.03		1489.5							
	OBS	00140	09.09	34.865	27.02		1489.2							
	STD	00150	09.90	35.18	27.13	00.188	1492.7							
	OBS	00150	09.90	35.185	27.13		1492.7							
	OBS	00195	09.40	35.100	27.15		1491.5							
	STD	00200	09.36	35.09	27.15	00.236	1491.4							
	OBS	00200	09.35	35.090	27.15		1491.4							
	OBS	00209	09.28	35.140	27.20		1491.4							
	OBS	00222	09.53	35.190	27.20		1492.6							
	STD	00250	09.20	35.16	27.23	00.283	1491.8							
	OBS	00250	09.20	35.165	27.23		1491.8							
	STD	00300	08.41	35.09	27.30	00.326	1489.5							
	OBS	00300	08.41	35.090	27.30		1489.5							
	OBS	00315	07.84	35.035	27.35		1487.5							
	OBS	00350	06.60	34.945	27.37		1483.0							
	OBS	00372	06.46	34.880	27.42		1482.9							
	OBS	00380	06.56	34.955	27.46		1483.5							
	STD	00400	06.46	34.96	27.49	00.402	1483.4							
	OBS	00400	06.46	34.965	27.49		1483.4							
	OBS	00420	06.48	34.985	27.50		1483.9							
	OBS	00440	06.38	35.005	27.53		1483.8							
	OBS	00450	06.38	35.005	27.53		1484.0							
	STD	00500	05.45	34.96	27.61	00.463	1481.0							
	OBS	00500	05.45	34.960	27.61		1481.0							
	OBS	00510	05.41	34.990	27.64		1481.1							
	OBS	00516	05.46	34.980	27.63		1481.4							
	STD	00600	05.15	34.99	27.67	00.516	1481.5							
	OBS	00600	05.15	34.990	27.67		1481.5							
	STD	00700	04.84	34.97	27.70	00.565	1481.9							
	OBS	00700	04.84	34.975	27.70		1481.9							
	STD	00800	04.59	34.99	27.74	00.613	1482.5							
	OBS	00800	04.59	34.990	27.74		1482.5							
	STD	00900	04.38	34.98	27.75	00.659	1483.3							
	OBS	00900	04.39	34.985	27.75		1483.3							
	STD	01000	04.25	34.98	27.77	00.703	1484.4							
	OBS	01000	04.25	34.980	27.77		1484.4							
	OBS	01051	04.20	34.980	27.77		1485.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03475	AIR TEMP 11.7	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1307
CONSEC 0075	MONTH 05	SHIP EV	WET BULB 10.6	27 2 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 1
LAT 42 02 N	DAY 09	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 20
LONG 050 16 W	HOUR 14.0	AREA 05	CLOUD T/A		CL/TR	WEATHER X1	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	13.17	35.10	26.45	00.000	1501.6							
14.0	OBS	00000	13.17	35.100	26.45		1501.6							
	OBS	00003	13.11	35.200	26.54		1501.5							
	STD	00010	13.94	35.43	26.55	00.015	1504.7							
	OBS	00010	13.94	35.430	26.55		1504.7							
	STD	00020	13.59	35.39	26.59	00.030	1503.6							
	STD	00030	13.23	35.35	26.63	00.045	1502.6							
	STD	00050	12.53	35.26	26.71	00.072	1500.4							
	OBS	00050	12.53	35.265	26.71		1500.4							
	OBS	00065	06.27	34.020	26.77		1475.9							
	STD	00075	06.54	34.24	26.90	00.104	1477.5							
	OBS	00075	06.54	34.240	26.90		1477.5							
	STD	00100	06.92	34.30	26.90	00.133	1479.5							
	OBS	00110	06.97	34.310	26.90		1479.8							
	STD	00125	06.93	34.31	26.91	00.163	1479.9							
	OBS	00125	06.93	34.310	26.91		1479.9							
	STD	00150	07.80	34.53	26.96	00.192	1486.0							
	OBS	00150	07.80	34.535	26.96		1486.0							
	OBS	00189	08.82	34.758	26.98		1488.8							
	STD	00200	07.89	34.58	26.98	00.248	1485.2							
	OBS	00210	07.42	34.495	26.98		1483.5							
	OBS	00225	07.38	34.490	26.98		1483.6							
	STD	00250	08.12	34.74	27.07	00.302	1487.1							
	STD	00300	09.07	35.08	27.19	00.352	1492.0							
	OBS	00310	09.14	35.120	27.20		1492.6							
	OBS	00325	09.29	35.170	27.22		1493.3							
	OBS	00345	08.97	35.100	27.22		1492.4							
	STD	00400	07.96	35.01	27.31	00.442	1489.4							
	OBS	00400	07.96	35.015	27.31		1489.4							
	STD	00500	02.50	34.42	27.49	00.515	1467.9							
	OBS	00500	02.50	34.425	27.49		1467.9							
	OBS	00530	03.46	34.560	27.51		1472.7							
	OBS	00540	03.18	34.510	27.50		1471.6							
	OBS	00548	03.52	34.580	27.52		1473.3							
	OBS	00556	03.43	34.555	27.51		1473.0							
	OBS	00580	03.78	34.645	27.55		1475.0							
	STD	00600	05.23	34.96	27.64	00.573	1481.8							
	OBS	00600	05.23	34.965	27.64		1481.8							
	OBS	00610	05.40	34.965	27.62		1482.7							
	OBS	00640	05.43	34.990	27.64		1483.3							
	STD	00700	05.12	34.98	27.67	00.626	1483.0							
	OBS	00700	05.12	34.985	27.67		1483.0							
	STD	00800	04.88	34.99	27.71	00.676	1483.7							
	OBS	00800	04.88	34.995	27.71		1483.7							
	STD	00900	04.66	35.00	27.74	00.725	1484.5							
	OBS	00900	04.66	35.000	27.74		1484.5							
	STD	01000	04.43	34.99	27.75	00.771	1485.2							
	OBS	01000	04.43	34.990	27.75		1485.2							
	STD	01100	04.32	34.99	27.77	00.817	1486.4							
	OBS	01100	04.32	34.995	27.77		1486.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 02780	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0077	MONTH 05	SHIP EV	WET BULB 07.2	12 0 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 1
LAT 42 33 N	DAY 09	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 19 W	HOUR 19.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	10.87	34.32	26.29	00.000	1492.7							
19.2	OBS	00000	10.87	34.320	26.29		1492.7							
	STD	00010	12.23	34.88	26.47	00.017	1498.3							
	OBS	00010	12.23	34.880	26.47		1498.3							
	STD	00020	13.50	35.39	26.61	00.032	1503.3							
	OBS	00020	13.50	35.386	26.61		1503.3							
	STD	00030	13.75	35.53	26.67	00.046	1504.5							
	OBS	00030	13.75	35.530	26.67		1504.5							
	OBS	00031	13.61	35.470	26.65		1504.0							
	OBS	00045	13.67	35.570	26.71		1504.5							
	STD	00050	13.50	35.50	26.70	00.073	1504.0							
	OBS	00050	13.50	35.500	26.70		1504.0							
	OBS	00052	13.37	35.460	26.69		1503.5							
	OBS	00065	13.57	35.550	26.72		1504.5							
	STD	00075	13.45	35.50	26.71	00.108	1504.2							
	OBS	00075	13.45	35.500	26.71		1504.2							
	OBS	00080	13.34	35.490	26.72		1503.9							
	STD	00100	13.05	35.49	26.78	00.141	1503.3							
	OBS	00100	13.05	35.490	26.78		1503.3							
	STD	00125	12.27	35.46	26.91	00.172	1501.0							
	OBS	00125	12.27	35.460	26.91		1501.0							
	STD	00150	11.50	35.36	26.98	00.201	1498.6							
	OBS	00150	11.50	35.360	26.98		1498.6							
	STD	00200	09.25	34.87	26.99	00.257	1490.7							
	OBS	00200	09.25	34.867	26.99		1490.7							
	OBS	00230	08.19	34.870	27.16		1487.3							
	OBS	00240	08.55	34.920	27.15		1488.8							
	STD	00250	08.30	34.92	27.18	00.308	1488.1							
	OBS	00263	07.28 P	34.67 P	27.140*									
	OBS	00275	07.86	34.910	27.24		1486.8							
	STD	00300	07.69	34.95	27.30	00.353	1486.6							
	OBS	00300	07.69	34.950	27.30		1486.6							
	OBS	00329	07.61	34.910	27.28		1486.7							
	OBS	00332	07.67	34.960	27.31		1487.1							
	STD	00400	05.75	34.63	27.31	00.435	1480.2							
	OBS	00400	05.75	34.630	27.31		1480.2							
	OBS	00435	04.00	34.500	27.41		1473.3							
	OBS	00462	04.21	34.625	27.49		1474.8							
	STD	00500	05.83	35.00	27.60	00.505	1482.6							
	OBS	00500	05.83	35.000	27.60		1482.6							
	STD	00600	05.37	34.99	27.64	00.561	1482.4							
	OBS	00600	05.37	34.990	27.64		1482.4							
	STD	00700	05.04	34.99	27.69	00.612	1482.7							
	OBS	00700	05.04	34.995	27.69		1482.7							
	STD	00800	04.81	35.00	27.72	00.661	1483.4							
	OBS	00800	04.81	35.000	27.72		1483.4							
	STD	00900	04.57	34.99	27.74	00.708	1484.1							
	OBS	00900	04.57	34.995	27.74		1484.1							
	STD	01000	04.46	35.00	27.76	00.754	1485.3							
	OBS	01000	04.46	35.005	27.76		1485.3							
	OBS	01050	04.37	35.000	27.77		1485.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REPID 31 8296	YEAR 1972	BOTDP 01536	AIR TEMP 05.0	DIR HGT PER	#IND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0078	MONTH 05	SHIP EV	WET BULB 03.9	26 2 2	#IND-SPD 12	TRACE DIR 3	5 SQUARE 1
LAT 42 46 N	DAY 09	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 050 20 W	HOUR 21.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 110	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	05.74	33.22	26.20	00.000	1471.7							
21.2	OBS	00000	05.74	33.220	26.20		1471.7							
	STD	00010	04.45	33.18	26.32	00.018	1466.5							
	OBS	00010	04.45	33.183	26.32		1466.5							
	OBS	00017	03.88	33.090	26.30		1464.1							
	STD	00020	03.94	33.20	26.39	00.035	1464.5							
	OBS	00020	03.94	33.205	26.39		1464.5							
	OBS	00023	04.10	33.350	26.49		1465.4							
	STD	00030	04.54	33.55	26.60	00.050	1467.7							
	OBS	00040	05.16	33.670	26.63		1470.6							
	OBS	00044	04.56	33.660	26.69		1468.0							
	STD	00050	05.00	33.90	26.83	00.077	1470.4							
	OBS	00050	05.00	33.900	26.83		1470.4							
	STD	00075	00.75	33.70	27.04	00.105	1452.1							
	OBS	00075	00.75	33.700	27.04		1452.1							
	STD	00100	05.40	34.20	27.02	00.131	1473.2							
	OBS	00100	05.40	34.200	27.02		1473.2							
	STD	00125	05.57	34.22	27.01	00.158	1474.4							
	STD	00150	05.75	34.25	27.01	00.185	1475.5							
	OBS	00150	05.75	34.250	27.01		1475.5							
	STD	00200	03.37	34.00	27.08	00.237	1466.1							
	OBS	00200	03.37	34.000	27.08		1466.1							
	OBS	00225	00.40	33.900	27.14		1453.2							
	STD	00250	01.08	33.88	27.16	00.285	1456.8							
	OBS	00250	01.08	33.880	27.16		1456.8							
	OBS	00255	01.50	33.900	27.15		1458.7							
	OBS	00258	01.23	34.040	27.28		1457.8							
	OBS	00260	01.50	34.040	27.26		1459.0							
	OBS	00268	01.18	34.050	27.29		1457.7							
	OBS	00290	04.94	34.500	27.31		1474.9							
	STD	00300	05.00	34.58	27.36	00.327	1475.4							
	OBS	00300	05.00	34.60 P	27.380									
	OBS	00308	05.24	34.580	27.34 *		1476.5							
	OBS	00325	03.27	34.420	27.42		1468.3							
	OBS	00341	02.90	34.400	27.44		1467.0							
	OBS	00350	02.85	34.380	27.43		1466.9							
	STD	00400	03.12	34.52	27.51	00.396	1469.1							
	OBS	00400	03.12	34.520	27.51		1469.1							
	OBS	00430	03.45	34.700	27.62		1471.2							
	OBS	00462	04.76	34.860	27.61		1477.4							
	STD	00500	04.38	34.83	27.63	00.452	1476.5							
	OBS	00500	04.38	34.830	27.63		1476.5							
	OBS	00525	04.15	34.820	27.65		1475.9							
	STD	00600	04.18	34.85	27.67	00.502	1477.3							
	OBS	00600	04.18	34.855	27.67		1477.3							
	STD	00700	04.10	34.88	27.71	00.550	1478.7							
	OBS	00700	04.10	34.885	27.71		1478.7							
	STD	00800	04.08	34.90	27.72	00.597	1480.3							
	OBS	00800	04.09	34.905	27.72		1480.3							
	STD	00900	04.17	34.95	27.75	00.642	1482.4							
	OBS	00940	04.21	34.955	27.75		1483.2							
	OBS	00980	04.08	34.945	27.76		1483.3							
	STD	01000	04.08	34.94	27.76	00.686	1483.7							
	OBS	01000	04.09	34.945	27.76		1483.7							
	OBS	01040	04.15	34.960	27.76		1484.6							
	STD	01100	04.15	34.96	27.76	00.732	1485.7							
	OBS	01100	04.15	34.965	27.76		1485.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00395	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1307
CONSEC 0079	MONTH 05	SHIP EV	WET BULB 02.8	26 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 1
LAT 42 52 N	DAY 09	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 20
LONG 050 21 W	HOUR 22.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.37	32.84	26.24	00.000	1456.9							
22.1	OBS	00000	02.37	32.840	26.24		1456.9							
	OBS	00007	01.60	32.905	26.35		1453.7							
	STD	00010	01.31	32.90	26.36	00.017	1452.5							
	STD	00020	00.68	32.89	26.39	00.034	1449.8							
	OBS	00020	00.68	32.890	26.39		1449.8							
	STD	00030	00.55	32.86	26.38	00.050	1449.3							
	OBS	00030	00.55	32.865	26.38		1449.3							
	OBS	00037	- 0.20	32.880	26.43		1446.0							
	STD	00050	- 0.76	32.95	26.51	00.082	1443.8							
	OBS	00050	- 0.76	32.950	26.51		1443.8							
	STD	00075	- 1.08	33.01	26.57	00.120	1442.8							
	OBS	00075	- 1.08	33.010	26.57		1442.8							
	OBS	00090	- 1.10	33.050	26.60		1443.0							
	OBS	00093	- 0.93	33.090	26.63		1443.9							
	STD	00100	- 1.01	33.08	26.62	00.156	1443.6							
	OBS	00100	- 1.01	33.080	26.62		1443.6							
	STD	00125	03.51	33.61	26.76	00.190	1464.9							
	OBS	00129	03.66	33.640	26.76		1465.7							
	STD	00150	01.89	33.50	26.80	00.222	1458.2							
	OBS	00150	01.89	33.500	26.80		1458.2							
	OBS	00162	00.93	33.580	26.93		1454.2							
	OBS	00167	01.21	33.585	26.92		1455.6							
	OBS	00187	- 0.63	33.470	26.92		1447.3							
	OBS	00199	- 0.67	33.580	27.01		1447.5							
	STD	00200	- 0.65	33.60	27.03	00.280	1447.6							
	OBS	00200	- 0.65	33.600	27.03		1447.6							
	OBS	00215	- 0.48	33.665	27.07		1448.8							
	OBS	00226	00.57	33.918	27.22		1454.1							
	STD	00250	00.47	33.88	27.20	00.327	1454.0							
	OBS	00250	00.47	33.885	27.20		1454.0							
	OBS	00276	01.10	34.020	27.27		1457.5							
	OBS	00295	01.64	34.085	27.29		1460.3							
	STD	00300	01.64	34.12	27.32	00.369	1460.4							
	OBS	00300	01.64	34.120	27.32		1460.4							
	OBS	00310	01.70	34.140	27.33		1460.9							
	OBS	00327	01.71	34.210	27.38		1461.3							
	OBS	00339	01.90	34.200	27.36		1462.3							
	OBS	00345	01.85	34.200	27.36		1462.2							

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REFID 31 8296	YEAR 1972	BOTDP 00091	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 09	INST STD RECORDER	TEN SQ 1307
CONSEC 0080	MONTH 05	SHIP EV	WET BULB 02.8	26 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 1
LAT 43 03 N	DAY 10	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 20
LONG 050 14 W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 110	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.91	32.92	26.26	00.000	1459.4							
00.5	OBS	00000	02.91	32.920	26.26		1459.4							
	OBS	00004	02.85	32.920	26.26		1459.2							
	STD	00010	02.40	32.90	26.28	00.018	1457.3							
	OBS	00010	02.40	32.900	26.28		1457.3							
	STD	00020	01.35	32.86	26.33	00.035	1452.8							
	STD	00030	00.60	32.83	26.35	00.052	1449.5							
	OBS	00030	00.60	32.830	26.35		1449.5							
	OBS	00037	00.25	32.920	26.44		1448.2							
	OBS	00045	- 0.40	32.950	26.49		1445.3							
	STD	00050	- 0.52	32.96	26.51	00.084	1444.9							
	OBS	00050	- 0.52	32.965	26.51		1444.9							
	OBS	00054	- 0.67	32.970	26.52		1444.3							
	OBS	00059	- 0.67	33.000	26.54		1444.4							
	OBS	00064	- 0.84	33.010	26.56		1443.7							
	STD	00075	- 0.86	33.03	26.57	00.121	1443.8							
	OBS	00075	- 0.86	33.030	26.57		1443.8							
	OBS	00077	- 0.86	33.030	26.57		1443.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 00068	AIR TEMP 01.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0081	MONTH 05	SHIP EV	WET BULB 03.3	26 2 2	WIND-SPD 11	TRACE DIR 3	5 SQUARE 1
LAT 43 14 N	DAY 13	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 20
LONG 050 18 W	HOUR 01.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 110	1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.21	32.90	26.12	00.000	1464.9							
01.9	OBS	00000	04.21	32.900	26.12		1464.9							
	OBS	00004	04.22	32.910	26.13		1465.0							
	STD	00010	03.15	32.80	26.14	00.019	1460.4							
	OBS	00010	03.15	32.800	26.14		1460.4							
	STD	00020	- 0.27	32.80	26.37	00.037	1445.3							
	OBS	00020	- 0.27	32.800	26.37		1445.3							
	OBS	00026	- 0.17	33.010	26.53		1446.2							
	STD	00030	- 0.15	33.01	26.53	00.053	1446.3							
	OBS	00030	- 0.15	33.010	26.53		1446.3							
	OBS	00035	- 0.14	33.020	26.54		1446.5							
	OBS	00036	- 0.10	33.020	26.54		1446.7							
	STD	00050	- 0.08	33.03	26.54	00.083	1447.0							
	OBS	00050	- 0.08	33.030	26.54		1447.0							
	OBS	00054	- 0.07	33.030	26.54		1447.1							

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REFID 31 8296	YEAR 1972	BOTOP 00071	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0082	MONTH 05	SHIP EV	WET BULB 07.8	09 0 X	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 43 20 N	DAY 10	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 28
LONG 049 47 W	HOUR 04.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.36	32.88	26.35	00.000	1452.5							
04.3	OBS	00000	01.36	32.885	26.35		1452.5							
	STD	00010	00.41	32.84	26.37	00.017	1448.3							
	OBS	00010	00.41	32.840	26.37		1448.3							
	STD	00020	- 0.46	32.95	26.49	00.033	1444.7							
	OBS	00020	- 0.46	32.950	26.49		1444.7							
	STD	00030	- 0.50	32.94	26.49	00.048	1444.6							
	OBS	00030	- 0.50	32.945	26.49		1444.6							
	OBS	00045	- 0.79	32.990	26.54		1443.6							
	STD	00050	- 0.81	32.99	26.54	00.079	1443.6							
	OBS	00050	- 0.81	32.990	26.54		1443.6							
	OBS	00059	- 0.82	32.990	26.54		1443.7							

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REFID 31 8296	YEAR 1972	BOTOP 00199	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0083	MONTH 05	SHIP EV	WET BULB 02.2	09 0 X	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 43 12 N	DAY 10	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FJR	DURATION 00.1	2 SQUARE 28
LONG 049 41 W	HOUR 05.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.22	32.78	26.27	00.000	1451.8							
05.2	OBS	00000	01.22	32.780	26.27		1451.8							
	STD	00010	00.26	32.87	26.40	00.017	1447.7							
	OBS	00010	00.26	32.870	26.40		1447.7							
	STD	00020	- 0.14	32.96	26.41	00.033	1446.0							
	OBS	00020	- 0.14	32.960	26.41		1446.0							
	STD	00033	- 0.44	32.95	26.41	00.050	1444.8							
	OBS	00030	- 0.44	32.950	26.41		1444.8							
	OBS	00045	- 0.97	32.910	26.48		1442.6							
	STD	00050	- 1.07	33.01	26.57	00.081	1442.4							
	OBS	00050	- 1.07	33.010	26.57		1442.4							
	OBS	00055	- 1.11	33.085	26.63		1442.4							
	STD	00075	- 1.09	33.13	26.66	00.116	1442.9							
	OBS	00075	- 1.09	33.125	26.66		1442.9							
	OBS	00079	- 1.12	33.130	26.66		1442.8							
	OBS	00094	- 1.09	33.155	26.68		1443.1							
	OBS	00095	- 1.10	33.185	26.71		1443.2							
	STD	00100	- 1.06	33.23	26.74	00.150	1443.6							
	OBS	00100	- 1.06	33.230	26.74		1443.6							
	OBS	00116	- 1.04	33.270	26.77		1444.0							
	STD	00125	- 0.96	33.32	26.81	00.182	1444.6							
	OBS	00125	- 0.96	33.320	26.81		1444.6							
	OBS	00145	- 0.87	33.440	26.91		1445.5							
	STD	00150	- 0.82	33.45	26.91	00.212	1445.8							
	OBS	00150	- 0.82	33.450	26.91		1445.8							
	OBS	00154	- 0.78	33.460	26.92		1446.1							
	OBS	00160	- 0.78	33.470	26.93		1446.2							
	OBS	00162	- 0.74	33.515	26.96		1446.5							
	OBS	00181	- 0.73	33.490	26.94		1446.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	HOTOP 00622	AIR TEMP 02.8	DIR HGT PER	WIND-DIR	INST STD RECORDER	TEN SQ 1306
CONSEC 0084	MONTH 05	SHIP EV	WET BULB 01.7	09 0 2	WIND-SPD	TRACE DIR 0	5 SQUARE 2
LAT 43 02 N	DAY 13	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 36 W	HOUR 06.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG EIP 110	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	01.25	32.69	26.20	00.000	1451.8							
06.2	OBS	00000	01.25	32.690	26.20		1451.8							
	OBS	00005	00.36	32.785	26.32		1447.9							
	STD	00010	00.21	32.83	26.37	00.017	1447.4							
	OBS	00010	00.21	32.830	26.37		1447.4							
	OBS	00012	00.06	32.840	26.38		1446.8							
	OBS	00016	00.01	32.855	26.40		1446.6							
	STD	00020	- 0.39	32.88	26.43	00.036	1444.9							
	STD	00030	- 1.09	32.91	26.49	00.050	1441.8							
	OBS	00030	- 1.09	32.915	26.49		1441.8							
	OBS	00044	- 1.31	32.940	26.52		1441.1							
	STD	00050	- 1.37	33.06	26.61	00.079	1441.0							
	OBS	00050	- 1.37	33.060	26.61		1441.0							
	OBS	00053	- 1.39	33.095	26.64		1441.1							
	OBS	00055	- 1.37	33.135	26.68		1441.2							
	OBS	00060	- 1.38	33.145	26.68		1441.3							
	STD	00075	- 1.07	33.31	26.81	00.113	1443.2							
	OBS	00075	- 1.07	33.310	26.81		1443.2							
	OBS	00085	- 0.97	33.375	26.86		1443.9							
	STD	00100	- 0.93	33.39	26.87	00.143	1444.4							
	OBS	00103	- 0.93	33.395	26.87		1444.4							
	STD	00125	- 0.87	33.43	26.90	00.172	1445.1							
	OBS	00125	- 0.97	33.430	26.90		1445.1							
	STD	00150	- 0.83	33.44	26.91	00.201	1445.8							
	OBS	00150	- 0.83	33.445	26.91		1445.8							
	OBS	00160	- 0.74	33.470	26.93		1446.4							
	OBS	00180	- 0.74	33.510	26.96		1446.8							
	STD	00200	- 0.66	33.56	27.00	00.257	1447.5							
	OBS	00200	- 0.66	33.560	27.00		1447.5							
	OBS	00225	- 0.53	33.645	27.06		1448.7							
	OBS	00234	- 0.53	33.675	27.08		1448.9							
	STD	00250	- 0.29	33.80	27.17	00.306	1453.4							
	OBS	00250	- 0.29	33.800	27.17		1450.4							
	OBS	00260	- 0.15	33.820	27.18		1451.3							
	OBS	00270	00.51	33.935	27.24		1456.6							
	OBS	00280	00.88	34.100	27.35		1456.8							
	OBS	00295	01.21	34.100	27.33		1458.4							
	STD	00300	01.26	34.12	27.34	00.347	1458.7							
	OBS	00300	01.26	34.120	27.34		1458.7							
	OBS	00335	01.33	34.125	27.34		1459.6							
	OBS	00355	01.63	34.225	27.40		1461.4							
	OBS	00386	03.38	34.485	27.46		1469.9							
	OBS	00395	02.57	34.425	27.49		1466.5							
	STD	00400	02.58	34.43	27.49	00.415	1466.5							
	OBS	00400	02.58	34.430	27.49		1466.6							
	OBS	00425	02.75	34.490	27.52		1467.3							
	STD	00500	03.88	34.74	27.62	00.473	1474.2							
	OBS	00500	03.88	34.745	27.62		1474.2							
	OBS	00510	03.95	34.780	27.64		1474.8							
	OBS	00520	03.87	34.770	27.64		1474.6							
	OBS	00550	04.01	34.805	27.65		1475.7							
	STD	00600	04.08	34.83	27.66	00.524	1476.9							
	OBS	00600	04.08	34.830	27.66		1476.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01756	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1306
CONSEC 0085	MONTH 05	SHIP EV	WET BULB 03.9	26 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 42 52 N	DAY 10	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00-3	2 SQUARE 28
LONG 049 32 W	HOUR 08.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG TIP 110	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.04	32.85	26.34	00.000	1451.0							
08.2	OBS	00000	01.04	32.850	26.34		1451.0							
	STD	00010	00.10	32.85	26.39	00.017	1446.9							
	OBS	00010	00.10	32.850	26.39		1446.9							
	STD	00020	- 0.64	32.94	26.41	00.033	1443.7							
	OBS	00020	- 0.64	32.840	26.41		1443.7							
	STD	00030	- 0.76	32.98	26.53	00.049	1443.5							
	OBS	00030	- 0.76	32.985	26.53		1443.5							
	OBS	00047	- 0.96	33.100	26.63		1442.8							
	OBS	00040	- 0.38	33.190	26.69		1445.7							
	STD	00050	- 0.90	33.14	26.66	00.078	1443.4							
	OBS	00050	- 0.90	33.140	26.66		1443.4							
	OBS	00055	- 1.07	33.150	26.68		1442.7							
	OBS	00060	- 0.90	33.180	26.70		1443.6							
	OBS	00065	- 1.09	33.235	26.75		1442.9							
	STD	00075	- 0.96	33.29	26.79	00.111	1443.7							
	OBS	00075	- 0.96	33.290	26.79		1443.7							
	OBS	00080	- 0.94	33.335	26.82		1443.9							
	OBS	00090	- 0.96	33.370	26.85		1444.1							
	STD	00100	- 0.89	33.42	26.89	00.141	1444.6							
	OBS	00100	- 0.89	33.425	26.89		1444.6							
	STD	00125	- 0.61	33.59	27.02	00.169	1446.6							
	OBS	00125	- 0.61	33.590	27.02		1446.6							
	OBS	00135	- 0.58	33.595	27.02		1446.9							
	STD	00150	- 0.63	33.62	27.04	00.194	1446.9							
	OBS	00150	- 0.63	33.620	27.04		1446.9							
	OBS	00181	- 0.22	33.730	27.11		1449.5							
	STD	00200	- 0.06	33.83	27.19	00.242	1450.7							
	OBS	00200	- 0.06	33.835	27.19		1450.7							
	OBS	00227	00.85	34.090	27.35		1455.6							
	OBS	00240	01.72	34.230	27.40		1459.9							
	STD	00250	01.75	34.23	27.40	00.282	1460.2							
	OBS	00250	01.75	34.230	27.40		1460.2							
	OBS	00260	01.76	34.250	27.41		1460.5							
	OBS	00280	02.51	34.410	27.48		1464.3							
	STD	00300	02.75	34.45	27.49	00.315	1465.7							
	OBS	00300	02.75	34.455	27.49		1465.7							
	OBS	00330	03.49	34.630	27.57		1469.6							
	OBS	00340	03.66	34.750	27.64		1470.7							
	OBS	00354	03.68	34.760	27.63		1471.0							
	OBS	00390	04.33	34.820	27.63		1474.4							
	STD	00400	04.32	34.79	27.61	00.372	1474.5							
	OBS	00400	04.32	34.795	27.61		1474.5							
	OBS	00430	04.03	34.785	27.63		1473.8							
	STD	00500	04.16	34.84	27.66	00.423	1475.6							
	OBS	00500	04.16	34.840	27.66		1475.6							
	STD	00600	04.23	34.88	27.69	00.471	1477.6							
	OBS	00600	04.23	34.880	27.69		1477.6							
	STD	00700	04.20	34.89	27.70	00.518	1479.1							
	OBS	00700	04.20	34.895	27.70		1479.1							
	STD	00800	04.13	34.90	27.72	00.565	1480.5							
	OBS	00800	04.13	34.905	27.72		1480.5							
	OBS	00850	04.11	34.910	27.72		1481.2							
	OBS	00860	04.15	34.920	27.73		1481.6							
	STD	00900	04.15	34.92	27.73	00.612	1482.3							
	OBS	00900	04.15	34.925	27.73		1482.3							
	STD	01000	04.15	34.93	27.74	00.658	1483.9							
	OBS	01000	04.15	34.930	27.74		1483.9							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02487	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN S2 1306
CONSEC 0086	MONTH 05	SHIP EV	WET BULB 04.4	26 2 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 42 36 N	DAY 10	DATA USE 1	BAROMETR 1019.0	SEA	WIND-FTR	DURATION 00.3	2 SQUARE 28
LONG 049 28 W	HOUR 10.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 110	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.51	32.33	26.30	00.000	1453.1							
10.8	OBS	00000	01.51	32.835	26.30		1453.1							
	STD	00010	00.68	33.05	26.52	00.016	1449.9							
	OBS	00010	00.68	33.050	26.52		1449.9							
	OBS	00015	01.34	33.390	26.75		1453.4							
	STD	00020	01.67	33.49	26.81	00.030	1455.1							
	STD	00030	02.26	33.65	26.89	00.042	1458.0							
	OBS	00030	02.26	33.650	26.89		1458.0							
	OBS	00038	02.66	33.740	26.93		1460.0							
	OBS	00040	02.70	33.755	26.94		1460.3							
	STD	00050	03.31	33.88	26.98	00.065	1463.2							
	OBS	00050	03.31	33.875	26.98		1463.2							
	OBS	00065	00.53	33.620	26.99		1450.9							
	STD	00075	01.11	33.69	27.01	00.092	1453.7							
	OBS	00075	01.11	33.690	27.01		1453.7							
	OBS	00087	00.62	33.715	27.06		1451.8							
	OBS	00091	00.76	33.730	27.06		1452.5							
	STD	00100	00.23	33.73	27.09	00.117	1450.2							
	OBS	00100	00.23	33.730	27.09		1450.2							
	OBS	00106	00.20	33.785	27.14		1450.3							
	OBS	00120	01.26	33.970	27.22		1455.5							
	STD	00125	01.16	33.98	27.24	00.140	1455.2							
	OBS	00125	01.16	33.980	27.24		1455.2							
	STD	00150	02.51	34.13	27.26	00.161	1461.8							
	OBS	00150	02.51	34.130	27.26		1461.8							
	OBS	00160	01.50	34.135	27.34		1457.5							
	OBS	00175	03.46	34.450	27.42		1466.7							
	OBS	00192	03.53	34.445	27.41		1467.3							
	STD	00200	03.36	34.44	27.43	00.199	1466.7							
	OBS	00200	03.36	34.440	27.43		1466.7							
	OBS	00215	02.33	34.320	27.42		1462.3							
	OBS	00242	04.35	34.668	27.51		1471.9							
	STD	00250	04.12	34.61	27.49	00.231	1471.0							
	OBS	00250	04.12	34.615	27.49		1471.0							
	OBS	00272	03.34	34.490	27.47		1467.8							
	STD	00300	05.02	34.91	27.63	00.260	1475.9							
	OBS	00300	05.02	34.915	27.63		1475.9							
	OBS	00372	04.81	34.890	27.63		1476.2							
	OBS	00395	04.85	34.930	27.66		1476.8							
	STD	00400	04.69	34.90	27.65	00.310	1476.2							
	OBS	00400	04.69	34.899	27.65		1476.2							
	OBS	00425	04.53	34.895	27.67		1475.9							
	OBS	00475	04.47	34.895	27.67		1476.5							
	STD	00500	04.25	34.86	27.67	00.359	1476.0							
	OBS	00500	04.25	34.865	27.67		1476.0							
	OBS	00516	04.13	34.870	27.69		1475.7							
	OBS	00554	04.13	34.890	27.71		1476.4							
	STD	00600	04.23	34.91	27.71	00.405	1477.6							
	OBS	00600	04.23	34.910	27.71		1477.6							
	OBS	00635	04.09	34.900	27.72		1477.6							
	STD	00700	04.05	34.90	27.73	00.450	1478.5							
	OBS	00700	04.05	34.905	27.73		1478.5							
	STD	00800	04.04	34.91	27.73	00.495	1480.1							
	OBS	00800	04.04	34.913	27.73		1480.1							
	OBS	00825	04.08	34.937	27.75		1480.7							
	STD	00900	04.02	34.92	27.74	00.540	1481.7							
	OBS	00900	04.02	34.923	27.74		1481.7							
	STD	01000	04.02	34.93	27.75	00.585	1483.4							
	OBS	01000	04.02	34.934	27.75		1483.4							
	OBS	01052	04.00	34.938	27.76		1484.2							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—*Continued*

REFID 31 8296	YEAR 1972	BOTDP 03017	AIR TEMP 07.2	DIR HGT PER	#IND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0087	MONTH 05	SHIP EV	#ET BULB 07.2	17 2 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 42 26 N	DAY 10	DATA USE 1	BAROMETR 1018.6	SEA	WIND-DIR	DURATION 00.2	2 SQUARE 28
LONG 049 25 W	HOUR 13.2	AREA 05	CLOUD T/A	CL/TR	#EATHER X6	ORIG IIP 110	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	N02	N03	SI03	PH
	STD	00000	01.34	32.85	26.32	00.000	1452.4							
13.2	OBS	00000	01.34	32.850	26.32		1452.4							
	STD	00010	00.07	32.83	26.38	00.017	1446.9							
	OBS	00010	00.07	32.830	26.38		1446.8							
	STD	00020	- 0.66	33.01	26.55	00.033	1443.8							
	OBS	00020	- 0.66	33.010	26.55		1443.8							
	STD	00030	- 0.85	33.24	26.74	00.047	1443.4							
	OBS	00030	- 0.85	33.240	26.74		1443.4							
	STD	00050	- 0.98	33.34	26.83	00.072	1443.3							
	OBS	00050	- 0.98	33.345	26.83		1443.3							
	STD	00075	01.76	33.55	26.85	00.102	1456.4							
	OBS	00075	01.76	33.550	26.85		1456.4							
	STD	00100	01.68	33.83	27.08	00.130	1456.9							
	OBS	00100	01.68	33.830	27.08		1456.9							
	OBS	00112	- 0.05	33.730	27.11		1449.1							
	STD	00125	00.26	33.83	27.17	00.154	1450.9							
	OBS	00125	00.26	33.830	27.17		1450.9							
	STD	00150	00.80	33.97	27.25	00.175	1454.0							
	OBS	00150	00.80	33.970	27.25		1454.0							
	STD	00200	03.65	34.42	27.38	00.214	1467.9							
	OBS	00221	04.29	34.580	27.44		1471.1							
	OBS	00240	04.59	34.710	27.51		1472.9							
	STD	00250	04.27	34.65	27.51	00.247	1471.6							
	OBS	00250	04.27	34.655	27.51		1471.6							
	STD	00300	05.17	34.85	27.56	00.277	1476.5							
	OBS	00300	05.17	34.855	27.56		1476.5							
	OBS	00319	04.94	34.880	27.61		1475.9							
	OBS	00350	05.37	34.980	27.64		1478.3							
	STD	00400	05.18	34.92	27.62	00.332	1478.2							
	OBS	00400	05.19	34.925	27.62		1478.2							
	OBS	00410	04.90	34.945	27.66		1477.3							
	OBS	00432	05.14	34.965	27.65		1478.7							
	OBS	00470	05.07	34.975	27.67		1479.0							
	STD	00500	04.65	34.93	27.69	00.383	1477.7							
	OBS	00503	04.65	34.935	27.69		1477.7							
	OBS	00520	04.85	34.960	27.68		1478.9							
	OBS	00550	04.51	34.928	27.70		1478.0							
	STD	00600	04.39	34.92	27.71	00.429	1478.3							
	OBS	00600	04.39	34.925	27.71		1478.3							
	STD	00700	04.38	34.92	27.71	00.476	1479.9							
	OBS	00703	04.38	34.925	27.71		1479.9							
	STD	00800	04.19	34.94	27.74	00.522	1480.8							
	OBS	00800	04.19	34.940	27.74		1480.8							
	STD	00900	04.08	34.94	27.75	00.566	1482.0							
	OBS	00900	04.08	34.940	27.75		1482.0							
	STD	01000	04.01	34.94	27.76	00.611	1483.4							
	OBS	01000	04.01	34.940	27.76		1483.4							
	OBS	01030	03.94	34.935	27.76		1483.6							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03237	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0088	MONTH 05	SHIP EV	WET BULB 10.0	17 1 X	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 41 57 N	DAY 10	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 08
LONG 049 12 W	HOUR 17.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 110	1 SQUARE 19

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P34	TOT P	N02	N03	SI33	P4
	STD	00000	04.14	33.17	26.34	00.000	1465.0							
17.0	OBS	00000	04.14	33.170	26.34		1465.0							
	STD	00010	04.17	33.38	26.50	00.016	1465.6							
	STD	00020	04.25	33.56	26.64	00.031	1466.3							
	OBS	00020	04.25	33.560	26.64		1466.3							
	OBS	00027	04.33	33.670	26.72		1466.9							
	STD	00030	04.26	33.65	26.71	00.045	1466.6							
	OBS	00030	04.26	33.650	26.71		1466.6							
	OBS	00040	03.91	33.690	26.78		1465.4							
	STD	00050	03.69	33.67	26.79	00.071	1464.6							
	OBS	00050	03.69	33.675	26.79		1464.6							
	OBS	00058	03.65	33.745	26.85		1464.6							
	OBS	00072	03.84	33.805	26.87		1465.8							
	STD	00075	03.65	33.79	26.88	00.102	1465.0							
	OBS	00075	03.65	33.790	26.88		1465.0							
	OBS	00085	04.05	33.895	26.92		1467.0							
	STD	00100	02.77	33.98	27.11	00.129	1461.9							
	OBS	00100	02.77	33.980	27.11		1461.9							
	OBS	00109	02.66	34.060	27.19		1461.7							
	STD	00125	03.94	34.31	27.27	00.151	1467.7							
	OBS	00125	03.94	34.310	27.27		1467.7							
	OBS	00145	03.78	34.330	27.30		1467.4							
	STD	00150	03.85	34.34	27.30	00.171	1467.8							
	OBS	00150	03.85	34.340	27.30		1467.8							
	OBS	00160	04.16	34.475	27.37		1469.5							
	OBS	00172	04.41	34.490	27.36		1470.7							
	OBS	00190	05.17	34.730	27.46		1474.5							
	STD	00200	05.22	34.75	27.48	00.207	1474.9							
	OBS	00200	05.22	34.755	27.48		1474.9							
	OBS	00230	05.36	34.755	27.46		1475.9							
	STD	00250	05.31	34.78	27.49	00.239	1476.1							
	OBS	00250	05.31	34.780	27.49		1476.1							
	OBS	00280	04.18	34.710	27.56		1471.8							
	STD	00300	04.14	34.69	27.55	00.269	1472.0							
	OBS	00300	04.14	34.695	27.55		1472.0							
	OBS	00339	03.60	34.685	27.60		1470.3							
	STD	00400	03.98	34.77	27.63	00.324	1473.1							
	OBS	00400	03.98	34.770	27.63		1473.1							
	STD	00500	04.36	34.88	27.67	00.374	1476.4							
	OBS	00500	04.36	34.875	27.67		1476.4							
	OBS	00528	04.71	34.945	27.69		1478.4							
	STD	00600	04.57	34.93	27.69	00.422	1479.0							
	OBS	00600	04.57	34.935	27.69		1479.0							
	STD	00700	04.30	34.92	27.71	00.469	1479.6							
	OBS	00700	04.30	34.920	27.71		1479.6							
	STD	00800	04.27	34.93	27.72	00.515	1481.1							
	OBS	00800	04.27	34.930	27.72		1481.1							
	OBS	00820	04.20	34.928	27.73		1481.1							
	OBS	00882	04.27	34.955	27.74		1482.5							
	STD	00900	04.08	34.92	27.74	00.561	1482.0							
	OBS	00900	04.08	34.920	27.74		1482.0							
	STD	01000	04.04	34.93	27.75	00.607	1483.5							
	OBS	01000	04.04	34.931	27.75		1483.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from *NODC Listing No. 31–8296*.—Continued

REFID 31 4296	YEAR 1972	BOTDP 03456	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0089	MONTH 05	SHIP FV	WET BULB 14.4	12 1 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 41 27 N	DAY 10	DATA USE 1	BAROMETR 0999.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 08
LONG 048 49 W	HOUR 23.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 110	1 SQUARE 18

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	10.64	33.72	25.86	00.000	1491.1							
23.0	OBS	00000	10.64	33.720	25.86		1491.1							
	STD	00010	12.58	34.75	26.30	00.019	1499.3							
	OBS	00010	12.58	34.750	26.30		1499.3							
	STD	00020	12.56	34.89	26.41	00.036	1499.6							
	OBS	00020	12.56	34.890	26.41		1499.6							
	STD	00030	11.06	34.89	26.70	00.051	1496.5							
	OBS	00030	11.06	34.890	26.70		1496.5							
	STD	00050	11.07	34.90	26.70	00.078	1496.9							
	STD	00075	11.07	34.93	26.73	00.112	1495.4							
	STD	00100	11.08	34.99	26.77	00.145	1495.9							
	OBS	00100	11.08	34.990	26.77		1495.9							
	STD	00125	11.18	35.11	26.84	00.177	1496.8							
	STD	00150	11.29	35.19	26.89	00.208	1497.7							
	OBS	00150	11.29	35.190	26.89		1497.7							
	OBS	00173	10.68	35.240	27.04		1496.0							
	STD	00200	11.00	35.34	27.06	00.265	1497.7							
	OBS	00200	11.00	35.340	27.06		1497.7							
	STD	00250	09.36	35.08	27.14	00.316	1492.2							
	OBS	00250	09.36	35.080	27.14		1492.2							
	OBS	00275	08.76	35.010	27.18		1490.3							
	STD	00300	08.57	35.03	27.23	00.363	1490.0							
	OBS	00300	08.57	35.028	27.23		1490.0							
	OBS	00305	08.38	35.030	27.26		1489.4							
	OBS	00312	08.70	35.090	27.26		1490.8							
	OBS	00330	07.51	34.900	27.29		1486.3							
	STD	00400	06.49	34.84	27.38	00.447	1483.4							
	OBS	00400	06.49	34.840	27.38		1483.4							
	OBS	00421	06.68	34.950	27.44		1484.6							
	OBS	00455	05.87	34.840	27.46		1481.8							
	OBS	00488	03.30	34.489	27.47		1471.2							
	STD	00500	03.75	34.56	27.49	00.517	1473.5							
	OBS	00500	03.75	34.565	27.49		1473.5							
	OBS	00511	04.53	34.790	27.58		1477.2							
	OBS	00514	04.23	34.740	27.58		1475.9							
	OBS	00560	05.53	34.945	27.59		1482.3							
	STD	00600	05.16	34.93	27.62	00.577	1481.5							
	OBS	00600	05.16	34.930	27.62		1481.5							
	OBS	00632	05.26	34.972	27.64		1482.5							
	OBS	00660	05.25	34.980	27.65		1482.9							
	STD	00700	05.14	34.98	27.67	00.631	1483.1							
	OBS	00700	05.14	34.984	27.67		1483.1							
	STD	00800	04.71	34.97	27.71	00.681	1483.0							
	OBS	00800	04.71	34.975	27.71		1483.0							
	OBS	00815	04.66	34.980	27.72		1483.0							
	OBS	00885	04.65	34.982	27.72		1484.2							
	STD	00900	04.58	34.99	27.74	00.729	1484.1							
	OBS	00900	04.58	34.990	27.74		1484.1							
	STD	01000	04.39	34.98	27.75	00.775	1485.0							
	OBS	01000	04.39	34.985	27.75		1485.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02784	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0090	MONTH 05	SHIP EV	WET BULB 16.7	10 3 2	WIND-SPD 37	TRACE DIR 0	5 SQUARE 2
LAT 41 02 N	DAY 11	DATA USE 1	BAROMETR 1013.9	SEA	WIND-FTR	DURATION 03.5	2 SQUARE 08
LONG 068 30 W	HOUR 02.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 110	1 SQUARE 18

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P4
	STD	00000	18.17	36.34	26.27	00.000	1518.6							
02.0	OBS	00000	18.17	36.340	26.27		1518.6							
	STD	00010	18.18	36.35	26.28	00.018	1518.8							
	OBS	00010	18.18	36.350	26.28		1518.9							
	STD	00020	18.11	36.31	26.26	00.035	1518.7							
	OBS	00020	18.11	36.310	26.26		1518.7							
	STD	00030	17.61	36.34	26.41	00.052	1517.5							
	OBS	00030	17.61	36.340	26.41		1517.5							
	OBS	00032	17.58	36.370	26.44		1517.4							
	OBS	00040	17.59	36.370	26.44		1517.6							
	STD	00050	17.56	36.36	26.44	00.085	1517.7							
	OBS	00050	17.56	36.365	26.44		1517.7							
	STD	00075	17.39	36.36	26.48	00.125	1517.6							
	OBS	00075	17.39	36.360	26.48		1517.6							
	STD	00100	17.26	36.33	26.49	00.164	1517.6							
	OBS	00100	17.26	36.335	26.49		1517.6							
	STD	00125	16.96	36.32	26.55	00.203	1517.1							
	OBS	00125	16.96	36.320	26.55		1517.1							
	STD	00150	16.84	36.29	26.56	00.242	1517.1							
	OBS	00150	16.84	36.290	26.56		1517.1							
	OBS	00170	16.61	36.250	26.58		1516.7							
	OBS	00190	15.64	36.030	26.64		1513.8							
	STD	00200	15.31	35.94	26.64	00.317	1512.8							
	OBS	00200	15.31	35.940	26.64		1512.9							
	STD	00250	14.11	35.77	26.78	00.387	1509.6							
	OBS	00250	14.11	35.770	26.78		1509.6							
	OBS	00290	12.28	35.305	26.79		1503.6							
	STD	00300	12.67	35.47	26.84	00.453	1505.3							
	OBS	00300	12.67	35.470	26.84		1505.3							
	OBS	00315	13.07	35.660	26.91		1507.1							
	OBS	00340	11.51	35.240	26.89		1501.6							
	STD	00400	09.76	35.05	27.05	00.574	1496.1							
	OBS	00400	09.76	35.050	27.05		1496.1							
	OBS	00413	09.03	34.950	27.09		1493.5							
	OBS	00437	07.26	34.680	27.15		1486.8							
	OBS	00465	08.36	34.950	27.20		1491.9							
	STD	00500	06.27	34.61	27.23	00.675	1483.9							
	OBS	00500	06.27	34.610	27.23		1483.9							
	OBS	00513	06.41	34.650	27.24		1484.7							
	OBS	00520	06.66	34.800	27.33		1486.0							
	OBS	00560	04.55	34.500	27.35		1477.7							
	OBS	00597	06.99	34.940	27.39		1488.8							
	STD	00600	06.81	34.90	27.39	00.760	1488.0							
	OBS	00600	06.81	34.900	27.39		1488.0							
	OBS	00635	06.04	34.950	27.53		1485.6							
	OBS	00660	06.23	35.010	27.55		1486.9							
	STD	00700	05.98	35.00	27.58	00.831	1486.5							
	OBS	00700	05.98	35.000	27.58		1486.5							
	OBS	00747	05.37	34.950	27.61		1484.8							
	STD	00800	05.19	34.97	27.65	00.889	1485.0							
	OBS	00800	05.19	34.975	27.65		1485.0							
	STD	00900	04.95	34.99	27.69	00.942	1485.7							
	OBS	00900	04.95	34.990	27.69		1485.7							
	STD	01000	04.76	34.99	27.72	00.993	1486.5							
	OBS	01000	04.76	34.990	27.72		1486.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 04572	AIR TEMP 16.1	DIR HGT PER	#IND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0091	MONTH 05	SHIP EV	WET BULB 15.0	16 2 2	#IND-SPD 23	TRACE DIR 0	5 SQUARE 2
LAT 42 12 N	DAY 11	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 26
LONG 046 49 W	HOUR 10.5	AREA 05	CLOUD T/A	CL/TR	#WEATHER X1	ORIG TIP 110	1 SQUARE 26

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	13.52	35.07	25.36	00.000	1502.7							
10.5	OBS	00000	13.52	35.070	26.36		1502.7							
	STD	00010	14.47	35.69	26.64	00.015	1506.7							
	OBS	00010	14.47	35.690	26.64		1506.7							
	OBS	00013	14.63	35.735	26.64		1507.3							
	STD	00020	14.43	35.71	26.66	00.029	1506.8							
	OBS	00020	14.43	35.710	26.66		1506.8							
	STD	00030	14.28	35.66	26.66	00.043	1506.4							
	OBS	00030	14.28	35.665	26.66		1506.4							
	STD	00050	13.74	35.54	26.68	00.071	1504.8							
	OBS	00050	13.74	35.545	26.68		1504.9							
	STD	00075	13.32	35.48	26.72	00.106	1503.8							
	OBS	00075	13.32	35.485	26.72		1503.8							
	OBS	00083	13.36	35.490	26.71		1504.0							
	STD	00100	12.93	35.44	26.77	00.139	1502.8							
	OBS	00100	12.93	35.445	26.77		1502.8							
	OBS	00110	13.15	35.540	26.80		1503.8							
	STD	00125	12.37	35.40	26.85	00.171	1501.3							
	OBS	00125	12.37	35.405	26.85		1501.3							
	OBS	00136	12.42	35.390	26.83		1501.6							
	STD	00150	10.47	35.00	26.89	00.201	1496.5							
	OBS	00160	09.42	34.790	26.91		1490.6							
	OBS	00197	08.01	34.492	26.89		1485.5							
	STD	00200	08.15	34.52	26.99	00.262	1486.2							
	OBS	00200	08.15	34.520	26.89		1486.2							
	OBS	00210	07.83	34.495	26.92		1485.1							
	OBS	00238	10.50	35.100	26.96		1496.2							
	OBS	00246	09.64	34.990	27.02		1493.1							
	STD	00250	09.64	35.09	27.10	00.317	1493.3							
	OBS	00250	09.64	35.090	27.10		1493.3							
	STD	00300	10.05	35.22	27.13	00.368	1495.8							
	OBS	00300	10.05	35.220	27.13		1495.8							
	OBS	00340	08.33	34.930	27.19		1489.7							
	STD	00400	07.44	34.85	27.26	00.463	1487.1							
	OBS	00400	07.44	34.850	27.26		1487.1							
	OBS	00482	06.66	34.940	27.44		1485.6							
	OBS	00493	06.49	34.970	27.49		1485.1							
	STD	00500	06.65	35.04	27.52	00.540	1485.9							
	OBS	00500	06.65	35.040	27.52		1485.9							
	OBS	00507	07.06	35.090	27.50		1487.7							
	OBS	00516	06.64	35.020	27.50		1486.1							
	OBS	00531	06.69	35.070	27.54		1486.7							
	OBS	00563	06.47	35.010	27.52		1486.2							
	STD	00600	06.13	35.04	27.59	00.602	1485.5							
	OBS	00600	06.13	35.040	27.59		1485.5							
	OBS	00629	05.98	35.070	27.63		1485.5							
	OBS	00645	06.84	35.260	27.67		1489.4							
	OBS	00680	05.82	35.100	27.68		1485.7							
	STD	00700	05.72	35.06	27.66	00.659	1485.6							
	OBS	00700	05.72	35.060	27.66		1485.6							
	STD	00800	05.17	35.04	27.71	00.711	1485.0							
	OBS	00800	05.17	35.040	27.71		1485.0							
	STD	00900	04.75	35.02	27.74	00.759	1484.9							
	OBS	00900	04.75	35.020	27.74		1484.9							
	STD	01000	04.54	35.01	27.76	00.805	1485.7							
	OBS	01000	04.54	35.010	27.76		1485.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03813	AIR TEMP 12.8	DIR MGT PER	#WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0032	MONTH 05	SHIP EV	WET BUL 12.8	19 3 2	#WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 42 34 N	DAY 11	DATA USE 1	BAROMETR 1007.8	SEA	#WIND-FOR	DURATION 00.2	2 SQUARE 26
LONG 047 30 W	HOUR 14.5	AREA 05	CLOUD T/A	CL/TR	#WEATHER X1	ORIG IIP 110	1 SQUARE 27

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N32	N03	SI33	P4
	STD	00000	10.52	34.69	26.64	00.000	1491.9							
14.5	OBS	00000	10.52	34.690	26.64		1491.9							
	STD	00010	07.94	34.30	26.75	00.014	1481.9							
	STD	00020	05.88	34.06	26.85	00.026	1473.7							
	OBS	00029	04.48	33.990	26.95		1468.0							
	STD	00030	04.35	33.99	26.97	00.038	1467.5							
	OBS	00030	04.35	33.990	26.97		1467.5							
	OBS	00040	04.60	34.090	27.02		1468.8							
	STD	00050	07.25	34.44	26.96 *	00.060	1480.1							
	OBS	00055	07.96	34.540	26.94		1483.1							
	STD	00075	06.72	34.44	27.04	00.087	1478.4							
	OBS	00075	06.72	34.440	27.04		1478.4							
	OBS	00088	08.39	34.770	27.05		1485.6							
	STD	00100	08.67	34.87	27.09	00.112	1486.9							
	OBS	00100	08.67	34.870	27.09		1486.9							
	STD	00125	07.55	34.70	27.13	00.137	1482.9							
	OBS	00130	07.41	34.690	27.14		1482.4							
	OBS	00146	07.15	34.690	27.17		1481.6							
	STD	00150	07.25	34.74	27.20	00.160	1482.1							
	OBS	00150	07.25	34.740	27.20		1482.1							
	OBS	00158	07.36	34.760	27.20		1482.7							
	OBS	00177	07.06	34.740	27.23		1481.8							
	OBS	00189	07.08	34.750	27.23		1482.1							
	OBS	00190	07.00	34.690	27.20 *		1481.8							
	STD	00200	06.76	34.65	27.20	00.206	1480.9							
	OBS	00200	06.76	34.650	27.20		1480.9							
	OBS	00220	06.30	34.690	27.29		1479.5							
	OBS	00225	06.67	34.760	27.30		1481.1							
	OBS	00245	05.44	34.590	27.32		1476.3							
	STD	00250	05.11	34.56	27.34	00.248	1475.0							
	OBS	00275	04.52	34.490	27.35		1472.9							
	OBS	00280	04.62	34.490	27.34		1473.4							
	OBS	00289	04.17	34.490	27.38		1471.6							
	STD	00300	04.83	34.59	27.39	00.286	1474.7							
	OBS	00300	04.83	34.590	27.39		1474.7							
	OBS	00315	04.30	34.540	27.41		1472.7							
	OBS	00340	04.46	34.640	27.47		1473.9							
	OBS	00360	05.04	34.790	27.53		1476.8							
	OBS	00380	05.21	34.810	27.52		1477.9							
	STD	00400	05.65	34.94	27.57	00.351	1480.7							
	OBS	00400	05.65	34.940	27.57		1480.2							
	OBS	00415	05.73	34.940	27.55		1480.9							
	OBS	00480	05.55	34.970	27.61		1481.1							
	STD	00500	05.92	35.05	27.62	00.407	1483.1							
	OBS	00500	05.92	35.050	27.62		1483.1							
	OBS	00540	05.68	35.058	27.66		1482.8							
	STD	00600	05.60	35.08	27.69	00.460	1483.5							
	OBS	00600	05.60	35.080	27.69		1483.5							
	OBS	00630	05.50	35.065	27.69		1483.5							
	OBS	00667	05.10	35.020	27.70		1482.5							
	STD	00700	05.12	35.04	27.72	00.508	1483.1							
	OBS	00700	05.12	35.043	27.72		1483.1							
	OBS	00730	05.07	35.028	27.71		1483.4							
	STD	00800	04.67	35.00	27.73	00.555	1482.9							
	OBS	00800	04.67	34.996	27.73		1482.9							
	STD	00900	04.40	34.93	27.71	00.603	1483.3							
	OBS	00900	04.40	34.930	27.71		1483.3							
	STD	01000	04.25	34.97	27.76	00.650	1484.4							
	OBS	01000	04.25	34.975	27.76		1484.4							
	OBS	01021	04.22	34.972	27.76		1484.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03499	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0093	MONTH 05	SHIP FV	WET BULB 06.7	30 2 2	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 42 43 N	DAY 11	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 28
LONG 048 08 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG IIP 110	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	08.47	34.09	26.51	00.000	1483.5							
18.2	OBS	00000	08.47	34.090	26.51		1483.5							
	OBS	00008	09.18	34.690	26.87		1487.1							
	STD	00010	09.02	34.66	26.87	00.014	1486.5							
	STD	00020	08.41	34.56	26.88	00.025	1484.2							
	STD	00030	08.13	34.52	26.90	00.037	1483.3							
	OBS	00030	08.13	34.520	26.90		1483.3							
	STD	00050	08.57	34.65	26.93	00.060	1485.5							
	OBS	00050	08.57	34.650	26.93		1485.5							
	OBS	00063	08.62	34.740	26.99		1486.0							
	STD	00075	08.64	34.79	27.03	00.088	1486.3							
	OBS	00075	08.64	34.790	27.03		1486.3							
	STD	00100	06.45	34.48	27.10	00.113	1477.8							
	OBS	00100	06.45	34.480	27.10		1477.8							
	OBS	00106	06.17	34.410	27.09		1476.7							
	OBS	00122	07.33	34.690	27.15		1481.9							
	STD	00125	07.30	34.66	27.13	00.138	1481.8							
	OBS	00125	07.30	34.660	27.13		1481.8							
	STD	00150	06.45	34.54	27.15	00.161	1478.7							
	OBS	00150	06.45	34.540	27.15		1478.7							
	OBS	00190	05.63	34.440	27.18		1476.0							
	STD	00200	05.42	34.49	27.24	00.207	1475.3							
	OBS	00200	05.42	34.490	27.24		1475.3							
	OBS	00212	05.38	34.500	27.26		1475.4							
	OBS	00222	06.22	34.690	27.30		1479.2							
	STD	00250	06.49	34.78	27.34	00.248	1480.9							
	OBS	00250	06.49	34.780	27.34		1480.9							
	OBS	00268	06.40	34.830	27.39		1480.9							
	STD	00300	06.49	34.89	27.42	00.285	1481.8							
	OBS	00300	06.49	34.890	27.42		1481.8							
	OBS	00320	06.66	34.950	27.45		1482.9							
	OBS	00337	06.32	34.880	27.44		1481.7							
	OBS	00355	06.57	34.990	27.49		1483.2							
	OBS	00370	06.42	34.990	27.51		1482.8							
	STD	00400	06.26	35.00	27.54	00.352	1482.7							
	OBS	00400	06.26	35.000	27.54		1482.7							
	OBS	00475	05.20	34.920	27.61		1479.6							
	OBS	00489	05.24	34.930	27.61		1480.0							
	STD	00500	05.01	34.90	27.62	00.409	1479.2							
	OBS	00500	05.01	34.900	27.62		1479.2							
	OBS	00514	05.04	34.910	27.62		1479.5							
	OBS	00535	04.90	34.930	27.65		1479.3							
	OBS	00554	05.24	34.990	27.66		1481.1							
	STD	00600	05.24	35.01	27.68	00.462	1481.9							
	OBS	00600	05.24	35.010	27.68		1481.9							
	OBS	00622	05.32	35.030	27.68		1482.6							
	OBS	00630	05.22	35.010	27.68		1482.3							
	OBS	00679	05.22	34.990	27.66		1483.1							
	STD	00700	04.89	35.00	27.71	00.511	1482.1							
	OBS	00700	04.89	35.000	27.71		1482.1							
	OBS	00714	04.96	35.030	27.72		1482.7							
	OBS	00740	04.58	34.950	27.71		1481.4							
	STD	00800	04.36	34.95	27.73	00.558	1481.5							
	OBS	00800	04.36	34.950	27.73		1481.5							
	OBS	00821	04.36	34.960	27.74		1481.9							
	OBS	00830	04.46	34.980	27.74		1482.5							
	OBS	00864	04.35	34.965	27.74		1482.6							
	OBS	00890	04.45	34.990	27.75		1483.4							
	STD	00900	04.41	34.97	27.74	00.603	1483.4							
	OBS	00900	04.41	34.975	27.74		1483.4							
	OBS	00942	04.18	34.945	27.74		1483.1							
	STD	01000	04.11	34.95	27.76	00.649	1483.8							
	OBS	01000	04.11	34.955	27.76		1483.8							
	OBS	01052	04.07	34.955	27.76		1484.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 03182	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0094	MONTH 05	SHIP EV	WET BULB 02.8	26 5 2	WIND-SPD 25	TRACE DIR 3	5 SQUARE 2
LAT 42 57 N	DAY 11	DATA USE 1	BAROMETR 1012.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 32 W	HOUR 21.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI3	P4
	STD	00000	07.96	34.00	26.52	00.000	1481.5							
21.1	OBS	00300	07.96	34.000	26.52		1481.5							
	STD	00010	07.97	34.00	26.51	00.015	1481.7							
	OBS	00010	07.97	34.000	26.51		1481.7							
	STD	00020	08.02	34.00	26.51	00.031	1482.0							
	OBS	00020	08.02	34.000	26.51		1482.0							
	STD	00030	07.73	34.16	26.68	00.045	1481.3							
	OBS	00030	07.73	34.160	26.68		1481.3							
	OBS	00040	07.35	34.350	26.88		1480.2							
	STD	00050	07.45	34.45	26.94	00.070	1480.9							
	OBS	00050	07.45	34.450	26.94		1480.9							
	OBS	00063	07.38	34.410	26.92		1480.8							
	STD	00075	07.54	34.49	26.96	00.098	1481.7							
	OBS	00075	07.54	34.490	26.96		1481.7							
	STD	00100	07.55	34.48	26.95	00.126	1482.2							
	OBS	00100	07.55	34.480	26.95		1482.2							
	OBS	00120	06.19	34.390	27.07		1477.0							
	STD	00125	06.26	34.46	27.11	00.153	1477.5							
	OBS	00125	06.26	34.460	27.11		1477.5							
	STD	00150	06.34	34.53	27.16	00.177	1478.3							
	OBS	00155	06.35	34.540	27.17		1478.4							
	OBS	00182	06.34	34.570	27.19		1478.9							
	STD	00200	06.20	34.58	27.22	00.222	1478.6							
	OBS	00200	06.20	34.580	27.22		1478.6							
	OBS	00226	05.75	34.590	27.28		1477.2							
	OBS	00242	05.93	34.690	27.34		1478.4							
	STD	00250	05.78	34.64	27.32	00.265	1477.8							
	OBS	00250	05.79	34.640	27.32		1477.8							
	STD	00300	04.82	34.60	27.40	00.303	1474.7							
	OBS	00300	04.82	34.600	27.40		1474.7							
	OBS	00315	04.42	34.610	27.45		1473.3							
	OBS	00335	04.67	34.650	27.46		1474.7							
	OBS	00374	04.17	34.660	27.52		1473.3							
	OBS	00393	05.23	34.870	27.57		1478.3							
	STD	00400	05.17	34.84	27.55	00.369	1478.1							
	OBS	00400	05.17	34.840	27.55		1478.1							
	OBS	00424	05.07	34.850	27.57		1478.1							
	OBS	00465	04.80	34.865	27.61		1477.7							
	OBS	00490	04.87	34.912	27.64		1478.4							
	STD	00500	04.73	34.90	27.65	00.424	1478.0							
	OBS	00530	04.57	34.890	27.66		1477.8							
	OBS	00575	05.12	35.005	27.69		1481.0							
	STD	00600	05.00	34.99	27.69	00.474	1480.9							
	OBS	00600	05.00	34.990	27.69		1480.9							
	OBS	00690	04.67	34.982	27.72		1481.0							
	STD	00700	04.80	35.01	27.73	00.521	1481.8							
	OBS	00700	04.80	35.013	27.73		1481.8							
	STD	00800	04.67	35.01	27.74	00.566	1482.9							
	OBS	00800	04.67	35.008	27.74		1482.9							
	STD	00900	04.44	35.00	27.76	00.611	1483.6							
	OBS	00900	04.44	34.999	27.76		1483.6							
	STD	01000	04.24	34.98	27.77	00.656	1484.4							
	OBS	01000	04.24	34.985	27.77		1484.4							
	OBS	01067	04.17	34.978	27.77		1485.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP Q2012	AIR TEMP 03.9	DIR MGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0095	MONTH 05	SHIP EV	WET BULB 02.9	26 4 3	WIND-SPD 23	TRACE DIR 3	5 SQUARE 2
LAT 43 07 N	DAY 12	DATA USE 1	BAROMETR 1015.6	SEA	WIND-FTR	DURATION 00.4	2 SQUARE 28
LONG 049 00 W	HOUR 01.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	05.59	33.62	26.54	00.000	1471.6							
01.3	OBS	00000	05.59	33.620	26.54		1471.6							
	STD	00010	05.59	33.62	26.54	00.015	1471.8							
	OBS	00010	05.59	33.620	26.54		1471.8							
	STD	00020	05.57	33.62	26.54	00.030	1471.8							
	OBS	00020	05.57	33.620	26.54		1471.8							
	STD	00030	03.74	33.48	26.63	00.045	1466.2							
	OBS	00032	03.74	33.480	26.63		1466.2							
	OBS	00034	03.50	33.650	26.78		1463.5							
	STD	00050	03.44	33.68	26.81	00.072	1463.5							
	OBS	00050	03.44	33.680	26.81		1463.5							
	OBS	00073	03.54	33.750	26.86		1464.4							
	STD	00075	03.52	33.77	26.88	00.102	1464.4							
	OBS	00075	03.52	33.770	26.88		1464.4							
	STD	00100	02.67	33.93	27.08	00.129	1461.4							
	OBS	00100	02.67	33.930	27.08		1461.4							
	OBS	00117	03.12	34.130	27.20		1463.9							
	STD	00125	02.96	34.16	27.24	00.152	1463.3							
	OBS	00125	02.96	34.160	27.24		1463.3							
	STD	00150	03.70	34.39	27.35	00.172	1467.2							
	OBS	00150	03.70	34.390	27.35		1467.2							
	OBS	00165	03.21	34.320	27.35		1465.3							
	STD	00200	04.24	34.58	27.45	00.207	1470.6							
	OBS	00203	04.24	34.580	27.45		1470.6							
	OBS	00211	04.57	34.630	27.45		1472.2							
	OBS	00220	04.51	34.650	27.47		1472.1							
	OBS	00241	04.61	34.680	27.49		1472.9							
	OBS	00245	04.74	34.780	27.55		1473.7							
	STD	00250	04.71	34.75	27.53	00.239	1473.6							
	OBS	00250	04.71	34.750	27.53		1473.6							
	OBS	00274	04.61	34.780	27.57		1473.6							
	STD	00300	04.68	34.82	27.59	00.267	1474.4							
	OBS	00300	04.68	34.820	27.59		1474.4							
	OBS	00329	04.74	34.880	27.63		1475.2							
	OBS	00349	04.91	34.900	27.63		1476.3							
	OBS	00365	04.73	34.910	27.66		1475.8							
	STD	00400	04.90	34.93	27.65	00.319	1477.1							
	OBS	00401	04.90	34.930	27.65		1477.1							
	STD	00500	04.49	34.90	27.68	00.368	1477.0							
	OBS	00500	04.49	34.900	27.68		1477.0							
	OBS	00570	04.46	34.940	27.71		1478.1							
	OBS	00590	04.32	34.915	27.71		1477.8							
	STD	00600	04.36	34.93	27.72	00.414	1478.2							
	OBS	00600	04.36	34.935	27.72		1478.2							
	OBS	00655	04.21	34.925	27.73		1478.4							
	STD	00700	04.24	34.93	27.73	00.459	1479.3							
	OBS	00700	04.24	34.935	27.73		1479.3							
	OBS	00730	04.24	34.935	27.73		1479.8							
	OBS	00760	04.14	34.915	27.73		1479.9							
	STD	00800	04.11	34.92	27.73	00.504	1480.4							
	OBS	00800	04.11	34.920	27.73		1480.4							
	STD	00900	04.00	34.91	27.74	00.549	1481.6							
	OBS	00900	04.00	34.915	27.74		1481.6							
	STD	01000	03.92	34.91	27.75	00.594	1483.0							
	OBS	01000	03.92	34.915	27.75		1483.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BUTDP 00914	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0096	MONTH 05	SHIP EV	WET BULB 01.7	34 2 3	WIND-SPD 24	TRACE DIR 3	5 SQUARE 2
LAT 43 10 N	DAY 12	DATA USE 1	BAROMETR 1031.2	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 18 W	HOUR 04.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.11	32.91	26.45	00.000	1445.9							
04.5	OBS	00300	- 0.11	32.910	26.45		1445.9							
	STD	00010	- 0.11	32.91	26.45	00.016	1446.0							
	OBS	00010	- 0.11	32.910	26.45		1446.0							
	STD	00020	- 0.11	32.91	26.45	00.032	1446.2							
	OBS	00023	- 0.11	32.910	26.45		1446.2							
	STD	00030	- 0.11	32.91	26.45	00.048	1446.4							
	OBS	00030	- 0.11	32.910	26.45		1446.4							
	OBS	00040	- 0.11	32.980	26.50		1446.6							
	STD	00050	- 0.51	33.08	26.60	00.078	1445.1							
	OBS	00050	- 0.51	33.040	26.60		1445.1							
	STD	00075	- 0.78	33.44	26.90	00.111	1444.8							
	OBS	00075	- 0.78	33.440	26.90		1444.8							
	STD	00100	- 0.56	33.48	26.93	00.139	1446.2							
	OBS	00100	- 0.56	33.480	26.93		1446.2							
	OBS	00103	- 0.72	33.560	27.00		1445.7							
	STD	00125	- 0.35	33.67	27.07	00.166	1447.9							
	OBS	00125	- 0.35	33.670	27.07		1447.9							
	OBS	00147	- 0.08	33.740	27.12		1449.6							
	STD	00150	- 0.10	33.73	27.11	00.190	1449.5							
	OBS	00150	- 0.10	33.730	27.11		1449.5							
	OBS	00160	- 0.14	33.780	27.15		1449.6							
	OBS	00175	- 0.21	33.810	27.17		1450.5							
	OBS	00187	- 0.01	33.840	27.19		1450.7							
	STD	00200	00.34	33.90	27.22	00.236	1452.6							
	OBS	00200	00.34	33.900	27.22		1452.6							
	OBS	00221	00.25	33.890	27.22		1452.5							
	STD	00250	00.72	34.03	27.31	00.277	1455.3							
	OBS	00250	00.72	34.030	27.31		1455.3							
	STD	00300	01.65	34.30	27.46	00.312	1460.7							
	OBS	00300	01.65	34.300	27.46		1460.7							
	OBS	00345	03.11	34.600	27.58		1468.2							
	OBS	00370	03.24	34.610	27.57		1469.2							
	OBS	00380	03.58	34.730	27.64		1471.3							
	STD	00400	03.70	34.73	27.62	00.370	1471.8							
	OBS	00400	03.70	34.730	27.62		1471.8							
	OBS	00450	04.02	34.820	27.66		1474.1							
	OBS	00471	04.02	34.820	27.66		1474.5							
	STD	00500	04.09	34.85	27.68	00.419	1475.3							
	OBS	00500	04.09	34.850	27.68		1475.3							
	STD	00600	04.10	34.87	27.69	00.466	1477.0							
	OBS	00600	04.10	34.870	27.69		1477.0							
	STD	00700	04.13	34.86	27.68	00.514	1478.8							
	OBS	00700	04.13	34.861	27.68		1478.8							
	STD	00900	04.10	34.90	27.72	00.562	1480.4							
	OBS	00900	04.10	34.900	27.72		1480.4							
	OBS	00941	04.09	34.900	27.72		1481.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00366	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0097	MONTH 05	SHIP EV	WET BULB 01.1	36 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 43 15 N	DAY 12	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 049 31 W	HOUR 07.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	00.37	32.91	26.42	00.000	1448.1							
07.2	OBS	00000	00.37	32.910	26.42		1448.1							
	STD	00010	00.37	32.90	26.42	00.016	1448.2							
	OBS	00010	00.37	32.900	26.42		1448.2							
	STD	00020	- 0.14	32.89	26.43	00.032	1446.0							
	OBS	00027	- 0.41	32.880	26.44		1444.9							
	STD	00030	- 0.50	32.95	26.50	00.048	1444.6							
	OBS	00030	- 0.50	32.950	26.50		1444.6							
	OBS	00035	- 0.56	32.950	26.50		1444.4							
	OBS	00045	- 1.00	33.070	26.61		1442.7							
	STD	00050	- 0.93	33.08	26.62	00.078	1443.1							
	OBS	00050	- 0.93	33.080	26.62		1443.1							
	OBS	00060	- 0.93	33.100	26.63		1443.3							
	OBS	00071	- 1.12	33.140	26.67		1442.7							
	STD	00075	- 1.05	33.22	26.73	00.112	1443.2							
	OBS	00075	- 1.05	33.220	26.73		1443.2							
	OBS	00085	- 1.05	33.230	26.74		1443.4							
	STD	00100	- 1.12	33.27	26.78	00.144	1443.3							
	OBS	00100	- 1.12	33.270	26.78		1443.3							
	OBS	00116	- 1.12	33.310	26.81		1443.7							
	STD	00125	- 1.06	33.35	26.84	00.175	1444.1							
	OBS	00125	- 1.06	33.350	26.84		1444.1							
	OBS	00136	- 1.06	33.360	26.85		1444.3							
	OBS	00141	- 0.98	33.420	26.89		1444.9							
	STD	00150	- 0.96	33.41	26.89	00.205	1445.1							
	OBS	00150	- 0.96	33.410	26.89		1445.1							
	OBS	00160	- 0.72	33.540	26.98		1446.6							
	STD	00200	- 0.44	33.65	27.06	00.260	1448.7							
	OBS	00200	- 0.44	33.650	27.06		1448.7							
	STD	00250	- 0.16	33.76	27.14	00.308	1451.0							
	OBS	00250	- 0.16	33.765	27.14		1451.0							
	OBS	00267	- 0.01	33.835	27.19		1452.0							
	OBS	00275	00.24	33.900	27.23		1453.4							
	OBS	00290	00.38	33.920	27.24		1454.3							
	OBS	00296	00.18	33.970	27.29		1453.6							
	STD	00300	00.47	34.01	27.30	00.351	1455.0							
	OBS	00306	00.69	34.040	27.31		1456.1							
	OBS	00314	00.61	34.020	27.30		1455.9							
	OBS	00322	01.00	34.070	27.32		1457.9							
	OBS	00325	00.94	34.030	27.30		1457.1							
	OBS	00330	00.96	34.080	27.33		1457.8							
	OBS	00340	01.19	34.090	27.32		1459.0							
	OBS	00352	01.20	34.080	27.31		1459.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00073	AIR TEMP 02.8	DIR HGT PER	#WND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0099	MONTH 05	SHIP EV	WET BULB 01.7	30 5 2	#WND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 43 14 N	DAY 12	DATA USE 1	BAROMETR 1020.0	SEA	#WND-FQR	DURATION 03.1	2 SQUARE 28
LONG 049 39 W	HOUR 09.0	AREA 05	CLOUD T/A	CL/TR	#WEATHER X1	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	01.25	32.95	26.41	00.000	1452.1							
09.0	OBS	00000	01.25	32.950	26.41		1452.1							
	STD	00010	00.82	32.96	26.44	00.016	1450.4							
	STD	00020	00.39	32.97	26.47	00.032	1448.6							
	OBS	00020	00.39	32.970	26.47		1448.6							
	OBS	00025	- 0.60	32.960	26.49		1444.1							
	STD	00030	- 0.72	33.03	26.57	00.047	1443.7							
	OBS	00030	- 0.72	33.030	26.57		1443.7							
	STD	00050	- 0.78	33.07	26.60	00.076	1443.8							
	OBS	00050	- 0.78	33.070	26.60		1443.8							

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REFID 31 8296	YEAR 1972	BOTDP 00046	AIR TEMP 02.8	DIR HGT PER	#WND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0099	MONTH 05	SHIP EV	WET BULB 01.7	30 5 3	#WND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 44 02 N	DAY 12	DATA USE 1	BAROMETR 1021.3	SEA	#WND-FQR	DURATION 00.1	2 SQUARE 48
LONG 049 26 W	HOUR 13.4	AREA 05	CLOUD T/A	CL/TR	#WEATHER X1	ORIG IIP 111	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	01.46	32.97	26.41	00.000	1453.1							
13.4	OBS	00000	01.46	32.970	26.41		1453.1							
	OBS	00004	01.35	32.930	26.38 *		1452.6							
	STD	00010	01.44	32.94	26.40	00.016	1452.7							
	OBS	00010	01.34	32.945	26.40		1452.7							
	STD	00020	01.31	32.96	26.41	00.033	1452.7							
	OBS	00020	01.31	32.960	26.41		1452.7							
	STD	00030	01.27	32.96	26.41	00.049	1452.7							
	OBS	00030	01.27	32.960	26.41		1452.7							
	OBS	00033	01.27	32.965	26.42		1452.8							

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REFID 31 8296	YEAR 1972	BOTDP 00146	AIR TEMP 04.4	DIR HGT PER	#WND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0100	MONTH 05	SHIP EV	WET BULB 03.3	30 5 3	#WND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 43 55 N	DAY 12	DATA USE 1	BAROMETR 1021.7	SEA	#WND-FQR	DURATION 03.1	2 SQUARE 28
LONG 049 06 W	HOUR 15.1	AREA 05	CLOUD T/A	CL/TR	#WEATHER X1	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	00.80	32.88	26.38	00.000	1450.0							
15.1	OBS	00000	00.80	32.880	26.38		1450.0							
	STD	00010	00.39	32.93	26.44	00.016	1448.4							
	OBS	00010	00.39	32.930	26.44		1448.4							
	STD	00020	00.31	32.93	26.44	00.032	1448.2							
	OBS	00020	00.31	32.930	26.44		1448.2							
	STD	00030	00.24	32.93	26.45	00.048	1448.0							
	OBS	00030	00.24	32.930	26.45		1448.0							
	OBS	00042	- 0.83	33.010	26.56		1443.4							
	STD	00050	- 0.82	33.02	26.57	00.079	1443.6							
	OBS	00050	- 0.82	33.020	26.57		1443.6							
	STD	00075	- 1.01	33.09	26.63	00.115	1443.2							
	OBS	00075	- 1.01	33.095	26.63		1443.2							
	STD	00100	- 1.14	33.16	26.69	00.150	1443.1							
	OBS	00100	- 1.14	33.163	26.69		1443.1							
	STD	00125	- 1.18	33.27	26.78	00.182	1443.5							
	OBS	00125	- 1.18	33.268	26.78		1443.5							
	OBS	00130	- 1.14	33.305	26.81		1443.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00366	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0101	MONTH 05	SHIP FV	WET BULB 02.8	30 2 X	WIND-SPD 20	TRACE DIR D	5 SQUARE 2
LAT 43 52 N	DAY 12	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 048 57 W	HOUR 16.0	AREA 05	CLOUD T/A	CL/TR	WEATHER XX	ORIG IIP 111	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	00.16	32.95	26.47	00.000	1447.2							
16.0	OBS	00000	00.16	32.955	26.47		1447.2							
	STD	00010	- 0.06	32.96	26.49	00.016	1446.4							
	OBS	00010	- 0.06	32.962	26.49		1446.4							
	STD	00020	- 0.08	32.96	26.49	00.031	1446.4							
	OBS	00020	- 0.08	32.964	26.49		1446.4							
	STD	00030	- 1.01	32.98	26.54	00.046	1442.3							
	OBS	00030	- 1.01	32.980	26.54		1442.3							
	OBS	00043	- 1.38	33.200	26.73		1441.1							
	STD	00050	- 1.26	33.30	26.81	00.074	1441.9							
	OBS	00050	- 1.26	33.300	26.81		1441.9							
	STD	00075	- 1.13	33.37	26.86	00.104	1443.0							
	OBS	00075	- 1.13	33.370	26.86		1443.0							
	STD	00100	- 1.09	33.39	26.88	00.134	1443.7							
	OBS	00100	- 1.09	33.393	26.88		1443.7							
	OBS	00106	- 0.97	33.460	26.93		1444.4							
	STD	00125	- 0.95	33.45	26.92	00.163	1444.8							
	OBS	00125	- 0.95	33.450	26.92		1444.8							
	STD	00150	- 0.78	33.51	26.96	00.191	1446.1							
	OBS	00150	- 0.78	33.510	26.96		1446.1							
	OBS	00176	- 0.48	33.595	27.02		1448.0							
	OBS	00196	- 0.52	33.750	27.14		1448.2							
	STD	00200	- 0.28	33.81	27.18	00.241	1449.7							
	OBS	00200	- 0.28	33.810	27.18		1449.7							
	OBS	00222	00.46	34.029	27.32		1453.7							
	STD	00250	00.65	34.07	27.35	00.282	1455.1							
	OBS	00250	00.65	34.075	27.35		1455.1							
	OBS	00274	01.18	34.200	27.41		1458.0							
	STD	00300	01.31	34.22	27.42	00.317	1459.1							
	OBS	00300	01.31	34.222	27.42		1459.1							
	OBS	00313	01.71	34.340	27.49		1461.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01756	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0113	MONTH 05	SHIP EV	WET BULB 01.7	22 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 44 34 N	DAY 14	DATA USE 1	BAROMETR 1021.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48
LONG 048 44 W	HOUR 10.7	AREA 05	CLOUD TYA	CL/TR	WEATHER X3	ORIG IIP 111	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI33	P4
	STD	00000	- 0.14	33.03	26.55	00.000	1465.9							
10.7	OBS	00000	- 0.14	33.030	26.55		1465.9							
	STD	00010	- 0.14	33.03	26.55	00.015	1466.1							
	OBS	00010	- 0.14	33.030	26.55		1466.1							
	STD	00027	- 0.15	33.03	26.55	00.030	1466.2							
	OBS	00020	- 0.15	33.030	26.55		1466.2							
	STD	00038	- 0.16	33.03	26.55	00.045	1466.3							
	OBS	00030	- 0.16	33.030	26.55		1466.3							
	OBS	00049	- 0.03	33.060	26.56		1467.1							
	STD	00050	- 0.10	33.07	26.59	00.075	1467.0							
	OBS	00050	- 0.10	33.070	26.58		1467.0							
	OBS	00062	- 1.13	33.450	26.92		1462.9							
	STD	00075	- 0.88	33.57	27.01	00.106	1464.5							
	OBS	00075	- 0.88	33.570	27.01		1464.5							
	STD	00100	- 0.57	33.75	27.14	00.131	1465.6							
	OBS	00100	- 0.57	33.750	27.14		1466.6							
	STD	00125	- 0.39	33.86	27.21	00.153	1468.0							
	OBS	00125	- 0.39	33.860	27.21		1468.0							
	STD	00150	- 0.40	33.86	27.23	00.175	1468.3							
	OBS	00150	- 0.40	33.860	27.23		1468.3							
	STD	00200	00.35	34.06	27.35	00.214	1472.9							
	OBS	00200	00.35	34.060	27.35		1472.9							
	STD	00250	01.13	34.24	27.45	00.249	1477.5							
	OBS	00250	01.13	34.240	27.45		1477.5							
	STD	00300	02.01	34.46	27.56	00.279	1482.5							
	OBS	00300	02.01	34.460	27.56		1482.5							
	OBS	00332	02.95	34.600	27.59		1487.3							
	OBS	00350	02.78	34.560	27.58		1486.8							
	OBS	00382	03.72	34.750	27.64		1491.6							
	STD	00400	03.77	34.77	27.65	00.330	1492.2							
	OBS	00400	03.77	34.770	27.65		1492.2							
	OBS	00450	04.00	34.810	27.66		1494.0							
	STD	00500	03.97	34.82	27.67	00.379	1494.7							
	OBS	00500	03.97	34.820	27.67		1494.7							
	OBS	00543	04.16	34.860	27.68		1496.2							
	STD	00600	04.26	34.88	27.68	00.427	1497.7							
	OBS	00600	04.26	34.880	27.68		1497.7							
	STD	00700	04.19	34.88	27.69	00.475	1499.0							
	OBS	00700	04.19	34.880	27.69		1499.0							
	STD	00800	04.11	34.88	27.70	00.523	1500.4							
	OBS	00800	04.11	34.880	27.70		1500.4							
	OBS	00857	04.37	34.940	27.72		1502.4							
	STD	00900	04.28	34.94	27.73	00.571	1502.9							
	OBS	00900	04.28	34.940	27.73		1502.8							
	OBS	00947	04.22	34.920	27.72		1503.2							
	STD	01000	04.22	34.92	27.72	00.618	1504.2							
	OBS	01000	04.22	34.920	27.72		1504.2							
	OBS	01060	04.18	34.920	27.73		1505.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00677	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0114	MONTH 05	SHIP EV	WET BULB 01.1	24 3 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 44 37 N	DAY 14	DATA USE 1	BAROMETR 1021.3	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 69
LONG 048 56 W	HOUR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIG IIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	00.67	32.90	26.40	00.000	1449.4							
12.4	OBS	00000	00.67	32.900	26.40		1449.4							
	STD	00010	00.61	32.90	26.40	00.016	1449.3							
	OBS	00010	00.61	32.900	26.40		1449.3							
	STD	00020	- 0.53	32.80	26.38	00.033	1444.1							
	OBS	00020	- 0.53	32.800	26.38		1444.1							
	STD	00030	- 1.06	33.05	26.60	00.048	1442.2							
	OBS	00030	- 1.06	33.050	26.60		1442.2							
	STD	00050	- 1.18	33.22	26.74	00.076	1442.2							
	OBS	00050	- 1.18	33.220	26.74		1442.2							
	STD	00075	- 1.23	33.34	26.84	00.108	1442.5							
	OBS	00075	- 1.23	33.340	26.84		1442.5							
	STD	00100	- 0.91	33.48	26.94	00.137	1444.6							
	OBS	00100	- 0.91	33.480	26.94		1444.6							
	STD	00125	- 0.53	33.67	27.08	00.163	1447.1							
	OBS	00125	- 0.53	33.670	27.08		1447.1							
	OBS	00131	- 0.80	33.650	27.07		1445.9							
	STD	00150	- 0.60	33.75	27.15	00.187	1447.3							
	OBS	00150	- 0.60	33.750	27.15		1447.3							
	OBS	00169	- 0.27	33.850	27.21		1449.2							
	OBS	00185	- 0.27	33.860	27.22		1449.5							
	STD	00200	- 0.03	33.92	27.26	00.231	1451.0							
	OBS	00200	- 0.03	33.920	27.26		1451.0							
	OBS	00220	00.45	34.035	27.32		1453.6							
	STD	00250	00.65	34.10	27.37	00.269	1455.1							
	OBS	00250	00.65	34.100	27.37		1455.1							
	STD	00300	01.15	34.27	27.47	00.303	1458.4							
	OBS	00300	01.15	34.270	27.47		1458.4							
	OBS	00352	01.81	34.400	27.53		1462.4							
	STD	00400	01.95	34.42	27.54	00.363	1463.9							
	OBS	00400	01.95	34.425	27.54		1463.9							
	OBS	00421	01.99	34.445	27.55		1464.4							
	OBS	00443	02.31	34.510	27.59		1466.3							
	OBS	00454	02.72	34.570	27.59		1468.3							
	STD	00500	03.23	34.71	27.65	00.416	1471.4							
	OBS	00500	03.23	34.710	27.65		1471.4							
	OBS	00550	03.74	34.820	27.69		1474.6							
	OBS	00570	03.94	34.884	27.72		1475.9							
	STD	00600	03.98	34.88	27.72	00.463	1476.5							
	OBS	00600	03.98	34.885	27.72		1476.5							
	OBS	00634	03.99	34.890	27.72		1476.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00210	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0115	MONTH 05	SHIP EV	WET BULB 01.1	24 5 3	#WND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 44 38 N	DAY 14	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 06 W	HOUR 13.5	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 111	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	00.60	32.93	26.43	00.000	1449.2							
13.5	OBS	00000	00.60	32.930	26.43		1449.2							
	STD	00010	00.51	32.94	26.44	00.016	1448.9							
	OBS	00010	00.51	32.943	26.44		1448.9							
	STD	00020	00.46	32.94	26.44	00.032	1448.9							
	OBS	00020	00.46	32.940	26.44		1448.9							
	STD	00030	00.22	32.92	26.44	00.048	1447.9							
	OBS	00030	00.22	32.918	26.44		1447.9							
	OBS	00039	00.01	32.960	26.48		1447.1							
	STD	00050	- 0.01	32.97	26.49	00.079	1447.3							
	OBS	00050	- 0.01	32.973	26.49		1447.3							
	STD	00075	- 0.01	32.98	26.50	00.118	1447.7							
	OBS	00075	- 0.01	32.978	26.50		1447.7							
	DL	00095	00.00	32.975	26.50		1448.0							
	STD	00100	- 0.05	32.97	26.49	00.157	1447.9							
	OBS	00100	- 0.05	32.970	26.49		1447.9							
	OBS	00115	- 0.14	32.985	26.51		1447.7							
	STD	00125	- 0.26	32.99	26.52	00.195	1447.4							
	OBS	00125	- 0.26	32.990	26.52		1447.4							
	OBS	00140	- 0.48	33.060	26.58		1446.7							
	OBS	00145	- 0.47	33.105	26.62		1446.9							

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REFID 31 3296	YEAR 1972	BOTDP 00064	AIR TEMP 03.9	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0116	MONTH 05	SHIP EV	WET BULB 02.8	26 3 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 42 N	DAY 14	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 23 W	HOUR 14.8	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	ORIG IIP 111	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.02	32.96	26.43	00.000	1451.1							
14.9	OBS	00000	01.02	32.960	26.43		1451.1							
	STD	00010	00.75	32.94	26.43	00.016	1450.0							
	OBS	00010	00.75	32.945	26.43		1450.0							
	STD	00020	00.63	32.94	26.43	00.032	1449.6							
	OBS	00020	00.63	32.938	26.43		1449.6							
	STD	00030	00.51	32.96	26.46	00.048	1449.3							
	OBS	00030	00.51	32.963	26.46		1449.3							
	OBS	00045	00.46	32.970	26.47		1449.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03658	AIR TEMP 05.6	DIR MGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0117	MONTH 05	SHIP EV	WET BULB 04.4	21 2 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 44 45 N	DAY 15	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 046 00 W	HOUR 02.8	AREA . 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	09.57	34.56	26.70	00.000	1488.3							
02.8	OBS	00000	09.57	34.560	26.70		1488.3							
	OBS	00009	09.58	34.540	26.68		1488.4							
	STD	00010	09.93	34.65	26.71	00.013	1489.8							
	OBS	00014	10.87	34.960	26.79		1493.7							
	STD	00020	10.95	34.97	26.78	00.027	1494.1							
	OBS	00020	10.95	34.970	26.78		1494.1							
	OBS	00023	10.96	34.980	26.79		1494.2							
	OBS	00029	10.90	34.970	26.79		1494.1							
	STD	00030	10.59	34.96	26.84	00.039	1493.0							
	OBS	00030	10.59	34.960	26.84		1493.0							
	OBS	00040	08.72	34.610	26.88		1485.8							
	STD	00050	08.55	34.57	26.87	00.063	1485.3							
	OBS	00050	08.55	34.570	26.87		1485.3							
	STD	00075	09.30	34.72	26.87	00.093	1488.7							
	OBS	00089	09.72	34.810	26.87		1490.6							
	STD	00100	08.49	34.74	27.02	00.122	1486.1							
	OBS	00100	08.49	34.740	27.02		1486.1							
	OBS	00107	07.49	34.600	27.06		1482.2							
	OBS	00120	06.77	34.490	27.07		1479.4							
	STD	00125	06.81	34.53	27.10	00.148	1479.7							
	OBS	00125	06.81	34.530	27.10		1479.7							
	OBS	00140	07.57	34.710	27.13		1483.2							
	STD	00150	07.34	34.71	27.16	00.172	1482.5							
	OBS	00150	07.34	34.710	27.16		1482.5							
	OBS	00170	06.74	34.650	27.20		1480.4							
	STD	00200	06.29	34.60	27.22	00.217	1479.0							
	OBS	00200	06.29	34.600	27.22		1479.0							
	OBS	00206	06.42	34.690	27.27		1483.7							
	OBS	00213	06.25	34.630	27.25		1479.1							
	OBS	00219	06.35	34.730	27.32		1479.7							
	OBS	00232	06.05	34.690	27.32		1478.7							
	STD	00250	05.28	34.57	27.32	00.259	1475.7							
	OBS	00250	05.28	34.570	27.32		1475.7							
	OBS	00267	05.20	34.620	27.37		1475.7							
	OBS	00278	05.29	34.640	27.38		1476.3							
	STD	00300	04.98	34.63	27.41	00.297	1475.4							
	OBS	00300	04.98	34.630	27.41		1475.4							
	OBS	00302	04.96	34.680	27.45		1475.4							
	OBS	00308	05.10	34.670	27.42 *		1476.1							
	OBS	00313	04.97	34.680	27.45		1475.6							
	OBS	00360	06.54	34.990	27.49		1483.1							
	STD	00400	06.24	34.98	27.53	00.364	1482.6							
	OBS	00400	06.24	34.980	27.53		1482.6							
	OBS	00440	05.71	35.000	27.61		1481.2							
	OBS	00450	05.74	35.000	27.61		1481.4							
	STD	00500	05.27	34.96	27.63	00.422	1480.3							
	OBS	00500	05.27	34.960	27.63		1480.3							
	OBS	00550	05.05	34.960	27.66		1480.2							
	STD	00600	05.01	35.02	27.71	00.472	1481.0							
	OBS	00600	05.01	35.020	27.71		1481.0							
	OBS	00640	04.92	35.020	27.72		1481.3							
	OBS	00673	04.95	35.000	27.70		1481.9							
	OBS	00680	04.85	35.010	27.72		1481.6							
	STD	00700	04.83	35.03	27.74	00.518	1481.9							
	OBS	00700	04.83	35.030	27.74		1481.9							
	STD	00800	04.57	34.99	27.74	00.563	1482.4							
	OBS	00800	04.57	34.990	27.74		1482.4							
	STD	00900	04.30	34.99	27.77	00.607	1483.0							
	OBS	00900	04.30	34.990	27.77		1483.0							
	OBS	00923	04.33	34.970	27.75		1483.5							
	OBS	00945	04.36	34.990	27.76		1484.0							
	OBS	00960	04.28	34.990	27.77		1483.9							
	OBS	00980	04.30 P	34.950	27.740									
	OBS	00991	04.13	34.950	27.75		1483.7							
	STD	01000	04.11	34.95	27.76	00.651	1483.8							
	OBS	01000	04.11	34.950	27.76		1483.8							
	OBS	01017	04.07	34.950	27.76		1483.9							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

RFFID 31 8296	YEAR 1972	BOTDP 03036	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0119	MONTH 05	SHIP EV	WET BULB 07.2	22 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 45 17 N	DAY 15	DATA USE 1	BAROMETR 1032.5	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 46
LONG 047 03 W	HOUR 09.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X)	ORIG IIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	05.74	33.96	26.79	00.000	1472.7							
09.0	OBS	00000	05.74	33.960	26.79		1472.7							
	STD	00010	05.73	33.96	26.79	00.013	1472.8							
	OBS	00010	05.73	33.960	26.79		1472.8							
	STD	00020	05.78	33.97	26.79	00.025	1473.2							
	OBS	00020	05.78	33.970	26.79		1473.2							
	STD	00030	05.78	33.97	26.79	00.038	1473.3							
	OBS	00030	05.78	33.970	26.79		1473.3							
	OBS	00034	05.78	33.970	26.79		1473.4							
	OBS	00042	03.87	33.840	26.90		1465.4							
	STD	00050	03.83	33.87	26.93	00.062	1465.4							
	OBS	00050	03.83	33.870	26.93		1465.4							
	OBS	00065	04.24	34.020	27.00		1467.6							
	STD	00075	05.38	34.19	27.01	00.090	1472.7							
	OBS	00075	05.38	34.190	27.01		1472.7							
	OBS	00089	04.64	34.080	27.01		1469.8							
	STD	00100	03.38	34.10	27.15	00.115	1464.7							
	OBS	00100	03.38	34.100	27.15		1464.7							
	OBS	00109	03.55	34.180	27.20		1465.6							
	OBS	00112	03.49	34.170	27.20		1465.4							
	STD	00125	04.58	34.37	27.25	00.137	1470.5							
	OBS	00125	04.58	34.370	27.25		1470.5							
	OBS	00128	04.35	34.410	27.30		1469.6							
	OBS	00132	04.97	34.500	27.30		1472.4							
	STD	00150	04.56	34.45	27.31	00.157	1470.9							
	OBS	00150	04.56	34.450	27.31		1470.9							
	OBS	00160	05.06	34.570	27.35		1473.3							
	OBS	00175	05.43	34.670	27.38		1475.2							
	STD	00200	05.16	34.64	27.39	00.195	1474.5							
	OBS	00200	05.16	34.640	27.39		1474.5							
	OBS	00202	05.05	34.660	27.42		1474.1							
	OBS	00230	05.47	34.790	27.47		1476.4							
	STD	00250	05.45	34.81	27.49	00.229	1476.7							
	OBS	00250	05.45	34.810	27.49		1476.7							
	OBS	00274	04.96	34.800	27.54		1475.1							
	OBS	00290	05.34	34.870	27.55		1477.0							
	STD	00300	05.27	34.86	27.55	00.259	1476.9							
	OBS	00300	05.27	34.860	27.55		1476.9							
	OBS	00319	05.20	34.900	27.59		1477.0							
	OBS	00340	05.26	34.890	27.58		1477.5							
	OBS	00360	05.19	34.870	27.57		1477.5							
	OBS	00370	05.01	34.880	27.60		1477.0							
	OBS	00382	05.19	34.950	27.63		1478.0							
	STD	00400	05.02	34.92	27.63	00.314	1477.6							
	OBS	00400	05.02	34.920	27.63		1477.6							
	OBS	00440	04.86	34.930	27.66		1477.6							
	STD	00500	05.01	34.98	27.68	00.364	1479.3							
	OBS	00500	05.01	34.980	27.68		1479.3							
	STD	00600	04.51	34.96	27.72	00.411	1478.8							
	OBS	00600	04.51	34.965	27.72		1478.8							
	OBS	00640	04.27	34.950	27.74		1478.5							
	STD	00700	04.25	34.96	27.75	00.454	1479.4							
	OBS	00700	04.25	34.960	27.75		1479.4							
	STD	00800	04.16	34.96	27.76	00.497	1480.7							
	OBS	00800	04.16	34.960	27.76		1480.7							
	STD	00900	04.06	34.95	27.77	00.540	1481.9							
	OBS	00900	04.06	34.955	27.77		1481.9							
	STD	01000	03.99	34.94	27.76	00.583	1483.3							
	OBS	01000	03.99	34.945	27.76		1483.3							
	STD	01100	03.93	34.95	27.78	00.627	1484.7							
	OBS	01100	03.93	34.950	27.78		1484.7							
	OBS	01110	03.93	34.945	27.77		1484.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02012	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1336
CONSEC 0120	MONTH 05	SHIP EV	WET BULB 07.2	25 2 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 45 33 N	DAY 15	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 46
LONG 047 28 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.12	33.30	26.69	00.000	1452.0							
12.1	OBS	00000	01.12	33.300	26.69		1452.0							
	STD	00010	01.06	33.30	26.70	00.014	1451.9							
	OBS	00010	01.06	33.305	26.70		1451.9							
	STD	00020	00.46	33.43	26.84	00.026	1449.5							
	STD	00030	- 0.15	33.54	26.96	00.038	1447.1							
	OBS	00033	- 0.33	33.570	26.99		1446.3							
	OBS	00047	00.46	33.700	27.05		1450.4							
	STD	00050	00.42	33.72	27.07	00.059	1450.3							
	OBS	00050	00.42	33.720	27.07		1450.3							
	OBS	00056	00.97	33.870	27.16		1453.1							
	OBS	00068	00.07	33.800	27.16		1449.1							
	STD	00075	00.08	33.81	27.16	00.083	1449.2							
	OBS	00075	00.08	33.810	27.16		1449.2							
	STD	00100	00.54	34.02	27.31	00.104	1452.0							
	OBS	00100	00.54	34.020	27.31		1452.0							
	STD	00125	01.71	34.25	27.42	00.122	1458.0							
	OBS	00125	01.71	34.250	27.42		1458.0							
	OBS	00145	02.70	34.420	27.47		1462.9							
	STD	00150	03.25	34.52	27.50	00.138	1465.5							
	OBS	00150	03.25	34.520	27.50		1465.5							
	OBS	00180	02.13	34.410	27.51		1461.0							
	STD	00200	04.00	34.70	27.57	00.167	1469.7							
	OBS	00215	04.41	34.760	27.57		1471.8							
	OBS	00225	04.21	34.730	27.57		1471.1							
	STD	00250	04.44	34.80	27.60	00.194	1472.5							
	OBS	00250	04.44	34.800	27.60		1472.5							
	OBS	00285	04.54	34.840	27.62		1473.6							
	STD	00300	04.42	34.83	27.63	00.220	1473.3							
	OBS	00300	04.42	34.830	27.63		1473.3							
	OBS	00312	04.32	34.830	27.64		1473.1							
	OBS	00340	04.37	34.870	27.66		1473.8							
	STD	00400	04.27	34.87	27.68	00.268	1474.4							
	OBS	00400	04.27	34.870	27.68		1474.4							
	OBS	00430	04.27	34.880	27.68		1474.9							
	OBS	00456	04.60	34.950	27.70		1476.8							
	OBS	00475	04.63	34.940	27.69		1477.2							
	STD	00500	04.57	34.94	27.70	00.315	1477.4							
	OBS	00500	04.57	34.940	27.70		1477.4							
	OBS	00590	04.44	34.990	27.75		1478.4							
	STD	00600	04.53	35.00	27.75	00.359	1479.0							
	OBS	00600	04.53	35.005	27.75		1479.0							
	OBS	00614	04.54	34.970	27.73		1479.2							
	OBS	00622	04.44	35.005	27.76		1479.0							
	OBS	00639	04.52	34.990	27.74		1479.6							
	OBS	00655	04.42	34.990	27.75		1479.4							
	OBS	00670	04.50	35.013	27.76		1480.0							
	OBS	00685	04.37	35.005	27.77		1479.7							
	STD	00700	04.40	34.99	27.76	00.401	1480.1							
	OBS	00700	04.40	34.995	27.76		1480.1							
	OBS	00725	04.45	35.005	27.76		1480.7							
	OBS	00731	04.34	34.980	27.76		1480.4							
	OBS	00745	04.40	34.990	27.76		1480.8							
	STD	00800	04.31	34.99	27.77	00.443	1481.4							
	OBS	00800	04.31	34.989	27.77		1481.4							
	OBS	00852	04.31	34.975	27.75		1482.2							
	STD	00900	04.16	34.97	27.77	00.486	1482.4							
	OBS	00900	04.16	34.970	27.77		1482.4							
	STD	01000	04.06	34.96	27.77	00.529	1483.6							
	OBS	01000	04.06	34.965	27.77		1483.6							
	OBS	01022	04.09	34.970	27.77		1484.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 5?-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01335	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0121	MONTH 05	SHIP EV	WET BULB 05.0	25 7 2	WIND-SPD 09	TRACE DIR 3	5 SQUARE 4
LAT 45 42 N	DAY 15	DATA USE 1	BAROMETR 1032.2	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 46
LONG 047 42 W	HOUR 13.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	01.27	33.34	26.72	00.000	1452.7							
13.8	OBS	00000	01.27	33.340	26.72		1452.7							
	STD	00010	00.72	33.41	26.81	00.013	1450.5							
	OBS	00010	00.72	33.410	26.81		1450.5							
	STD	00020	00.65	33.42	26.82	00.025	1450.4							
	OBS	00020	00.65	33.420	26.82		1450.4							
	STD	00030	00.36	33.64	27.01	00.037	1449.5							
	OBS	00030	00.36	33.640	27.01		1449.5							
	OBS	00033	00.31	33.770	27.12		1449.5							
	STD	00050	00.39	33.97	27.28	00.055	1450.5							
	OBS	00050	00.39	33.970	27.28		1450.5							
	STD	00075	00.38	34.02	27.32	00.075	1450.9							
	OBS	00075	00.38	34.020	27.32		1450.9							
	STD	00100	00.90	34.17	27.41	00.093	1453.9							
	OBS	00100	00.90	34.170	27.41		1453.9							
	STD	00125	01.65	34.31	27.47	00.110	1457.8							
	STD	00150	02.32	34.44	27.52	00.125	1461.4							
	OBS	00150	02.32	34.440	27.52		1461.4							
	STD	00200	03.43	34.64	27.58	00.153	1467.3							
	OBS	00200	03.43	34.640	27.58		1467.3							
	OBS	00212	03.57	34.670	27.59		1468.1							
	OBS	00220	03.49	34.630	27.57		1467.8							
	STD	00250	03.87	34.75	27.62	00.179	1470.1							
	OBS	00250	03.87	34.750	27.62		1470.1							
	STD	00300	04.08	34.81	27.65	00.203	1471.9							
	OBS	00300	04.08	34.810	27.65		1471.9							
	STD	00400	04.21	34.90	27.71	00.249	1474.2							
	OBS	00400	04.21	34.905	27.71		1474.2							
	OBS	00477	04.21	34.924	27.72		1475.5							
	STD	00500	04.16	34.93	27.73	00.292	1475.7							
	OBS	00500	04.16	34.926	27.73		1475.7							
	STD	00600	04.07	34.93	27.74	00.334	1477.0							
	OBS	00600	04.07	34.930	27.74		1477.0							
	STD	00700	04.05	34.93	27.75	00.377	1478.5							
	OBS	00700	04.05	34.928	27.75		1478.5							
	STD	00800	04.02	34.93	27.75	00.420	1480.1							
	OBS	00800	04.02	34.931	27.75		1480.1							
	STD	00900	03.98	34.93	27.76	00.463	1481.6							
	OBS	00900	03.98	34.932	27.76		1481.6							
	STD	01000	03.93	34.93	27.76	00.507	1483.0							
	OBS	01000	03.93	34.932	27.76		1483.0							
	OBS	01025	03.93	34.931	27.76		1483.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00914	AIR TEMP 03.3	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0122	MONTH 05	SHIP EV	WET BULB 02.2	25 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT +5 48 N	DAY 15	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 46
LONG 047 54 W	HOUR 15.6	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG IIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	- 0.09	32.95	26.48	00.000	1446.0							
15.6	OBS	00000	- 0.09	32.950	26.48		1446.0							
	STD	00010	- 0.36	32.91	26.46	00.016	1444.9							
	OBS	00010	- 0.36	32.910	26.46		1444.9							
	STD	00020	- 0.54	32.96	26.51	00.031	1444.3							
	OBS	00020	- 0.54	32.960	26.51		1444.3							
	STD	00030	- 0.71	32.97	26.52	00.047	1443.7							
	OBS	00030	- 0.71	32.970	26.52		1443.7							
	OBS	00042	- 1.38	33.280	26.79		1441.2							
	STD	00050	- 1.34	33.35	26.85	00.074	1441.6							
	OBS	00050	- 1.34	33.350	26.85		1441.6							
	STD	00075	- 1.01	33.52	26.98	00.103	1443.8							
	OBS	00075	- 1.01	33.520	26.98		1443.8							
	STD	00100	- 0.49	33.65	27.06	00.129	1446.8							
	OBS	00100	- 0.49	33.650	27.06		1446.8							
	STD	00125	- 0.16	33.72	27.10	00.153	1448.8							
	OBS	00125	- 0.16	33.720	27.10		1448.8							
	OBS	00130	- 0.29	33.770	27.15		1448.4							
	OBS	00145	- 0.29	33.990	27.24		1448.8							
	STD	00150	- 0.27	33.92	27.27	00.176	1449.0							
	OBS	00150	- 0.27	33.920	27.27		1449.0							
	OBS	00160	00.52	34.180	27.44		1453.2							
	STD	00200	01.54	34.32	27.48	00.211	1458.6							
	OBS	00200	01.54	34.320	27.48		1458.6							
	OBS	00225	01.87	34.350	27.48		1460.5							
	STD	00250	02.02	34.40	27.51	00.241	1461.6							
	OBS	00250	02.02	34.400	27.51		1461.6							
	OBS	00288	02.10	34.490	27.58		1462.7							
	STD	00300	02.39	34.52	27.58	00.270	1464.3							
	OBS	00300	02.39	34.520	27.58		1464.3							
	STD	00400	03.47	34.79	27.69	00.319	1470.9							
	OBS	00400	03.47	34.786	27.69		1470.9							
	OBS	00440	03.94	34.887	27.72		1473.7							
	STD	00500	04.03	34.92	27.74	00.362	1475.1							
	OBS	00503	04.03	34.920	27.74		1475.1							
	STD	00600	04.06	34.93	27.75	00.403	1476.9							
	OBS	00600	04.06	34.930	27.75		1476.9							
	STD	00700	04.02	34.93	27.75	00.445	1478.4							
	OBS	00700	04.02	34.935	27.75		1478.4							
	STD	00800	04.02	34.93	27.75	00.488	1480.1							
	OBS	00800	04.02	34.930	27.75		1480.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 02048	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1336
CONSEC 0103	MONTH 05	SHIP EV	WET BULB 03.3	32 2 2	WIND-SPD 09	TRACE DIR 3	5 SQUARE 2
LAT 43 45 N	DAY 12	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 28
LONG 048 39 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X3	ORIG TIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	00.94	32.95	26.42	00.000	1450.7							
18.0	OBS	00000	00.94	32.950	26.42		1450.7							
	STD	00010	00.70	33.04	26.52	00.016	1449.9							
	OBS	00010	00.70	33.045	26.52		1449.9							
	STD	00020	00.19	33.18	26.65	00.030	1448.0							
	OBS	00020	00.19	33.180	26.65		1448.0							
	OBS	00027	00.74	33.340	26.75		1450.9							
	STD	00030	00.60	33.42	26.82	00.043	1450.3							
	OBS	00030	00.60	33.420	26.82		1450.3							
	OBS	00048	04.85	34.010	26.93		1469.9							
	STD	00050	04.79	34.00	26.93	00.067	1469.6							
	OBS	00050	04.79	34.000	26.93		1469.6							
	OBS	00055	03.22	33.780	26.91		1462.9							
	OBS	00070	03.72	33.950	27.00		1465.4							
	STD	00075	03.13	33.88	27.00	00.095	1462.9							
	OBS	00075	03.13	33.880	27.00		1462.9							
	STD	00100	00.56	33.72	27.07	00.121	1451.7							
	OBS	00100	00.56	33.720	27.07		1451.7							
	OBS	00108	00.35	33.800	27.14		1451.0							
	STD	00125	00.12	33.92	27.25	00.144	1450.4							
	OBS	00125	00.12	33.920	27.25		1450.4							
	STD	00150	00.76	34.12	27.38	00.163	1454.0							
	OBS	00150	00.76	34.120	27.38		1454.0							
	STD	00200	02.76	34.45	27.49	00.196	1464.1							
	OBS	00200	02.76	34.450	27.49		1464.1							
	OBS	00228	03.46	34.530	27.49		1467.7							
	OBS	00237	04.69	34.720	27.51		1473.3							
	STD	00250	02.76	34.53	27.55	00.226	1465.0							
	OBS	00250	02.76	34.530	27.55		1465.0							
	OBS	00261	03.93	34.680	27.56		1470.4							
	OBS	00268	03.13	34.580	27.56		1467.0							
	OBS	00271	03.62	34.70 P	27.610									
	OBS	00282	03.63	34.660	27.58 *		1469.5							
	OBS	00291	02.76	34.52 P	27.550*									
	STD	00300	02.92	34.63	27.62	00.252	1466.7							
	OBS	00300	02.92	34.630	27.62		1466.7							
	OBS	00312	03.46 P	34.650	27.580*									
	OBS	00325	03.21	34.59 P	27.560									
	OBS	00361	03.92	34.760	27.63		1472.1							
	OBS	00370	03.93	34.760	27.63		1471.9							
	STD	00400	03.84	34.79	27.66	00.301	1472.5							
	OBS	00400	03.84	34.790	27.66		1472.5							
	STD	00500	04.12	34.88	27.70	00.348	1475.4							
	OBS	00500	04.12	34.885	27.70		1475.4							
	STD	00600	04.13	34.90	27.72	00.393	1477.2							
	OBS	00600	04.13	34.905	27.72		1477.2							
	STD	00700	04.16	34.91	27.72	00.438	1479.0							
	OBS	00700	04.16	34.910	27.72		1479.0							
	OBS	00770	04.22	34.930	27.73		1480.4							
	STD	00800	04.17	34.93	27.73	00.483	1480.7							
	OBS	00800	04.17	34.930	27.73		1480.7							
	STD	00900	04.12	34.93	27.74	00.528	1482.2							
	OBS	00900	04.12	34.930	27.74		1482.2							
	OBS	00965	04.19	34.950	27.75		1483.6							
	OBS	00991	04.19	34.945	27.74		1484.0							
	STD	01000	04.18	34.93	27.73	00.575	1484.1							
	OBS	01000	04.18	34.930	27.73		1484.1							
	OBS	01050	04.12	34.930	27.74		1484.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03292	AIR TEMP 06.7	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0104	MONTH 05	SHIP EV	WET BULB 05.6	26 4 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 43 37 N	DAY 12	DATA USE I	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 28
LONG 048 16 W	HOUR 20.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X3	ORIG IIP 111	I SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P4
	STD	00000	01.51	33.08	26.49	00.000	1453.5							
20.6	OBS	00000	01.51	33.080	26.49		1453.5							
	STD	00010	03.95	33.82	26.87	00.014	1465.2							
	OBS	00010	03.95	33.818	26.87		1465.2							
	STD	00020	03.87	33.82	26.88	00.026	1465.0							
	OBS	00020	03.87	33.820	26.88		1465.0							
	OBS	00026	03.87	33.821	26.88		1465.1							
	STD	00030	04.01	33.87	26.91	00.037	1465.9							
	OBS	00030	04.01	33.870	26.91		1465.9							
	STD	00050	05.01	34.08	26.97	00.060	1470.7							
	OBS	00050	05.01	34.080	26.97		1470.7							
	OBS	00070	04.22	34.480	27.13		1476.4							
	STD	00075	05.96	34.52	27.20	00.085	1475.5							
	OBS	00075	05.96	34.519	27.20		1475.5							
	OBS	00081	05.71	34.480	27.20		1474.6							
	STD	00100	05.94	34.56	27.23	00.107	1475.9							
	OBS	00100	05.94	34.560	27.23		1475.9							
	OBS	00108	05.91	34.610	27.28		1476.0							
	OBS	00112	05.58	34.640	27.34		1474.7							
	STD	00125	06.02	34.68	27.32	00.127	1476.8							
	OBS	00125	06.02	34.680	27.32		1476.8							
	OBS	00142	05.14	34.560	27.33		1473.3							
	STD	00150	05.58	34.65	27.35	00.146	1475.4							
	OBS	00153	05.71	34.670	27.35		1474.0							
	OBS	00180	05.84	34.680	27.34		1477.0							
	OBS	00188	05.48	34.775	27.46		1475.8							
	STD	00200	05.16	34.75	27.48	00.181	1474.6							
	OBS	00200	05.16	34.750	27.48		1474.6							
	OBS	00220	03.96	34.590	27.49		1469.8							
	STD	00250	05.16	34.83	27.55	00.212	1475.6							
	OBS	00250	05.16	34.835	27.55		1475.6							
	OBS	00260	05.32	34.890	27.57		1476.5							
	OBS	00290	04.93	34.835	27.57		1475.3							
	STD	00300	05.07	34.90	27.61	00.239	1476.1							
	OBS	00300	05.07	34.905	27.61		1476.1							
	OBS	00309	05.15	34.912	27.61		1476.6							
	OBS	00345	04.84	34.895	27.63		1475.9							
	OBS	00360	05.27	34.991	27.66		1478.0							
	STD	00400	04.80	34.95	27.68	00.289	1476.7							
	OBS	00400	04.80	34.955	27.68		1476.7							
	OBS	00410	04.66	34.930	27.68		1476.3							
	OBS	00430	04.66	34.900	27.66		1476.6							
	OBS	00435	04.57	34.930	27.69		1476.3							
	OBS	00442	04.62	34.938	27.69		1476.6							
	OBS	00460	04.46	34.960	27.73		1476.3							
	STD	00500	04.61	34.96	27.71	00.334	1477.6							
	OBS	00500	04.61	34.965	27.71		1477.6							
	OBS	00510	04.50	34.960	27.72		1477.3							
	STD	00600	04.36	34.96	27.74	00.378	1478.2							
	OBS	00600	04.36	34.962	27.74		1478.2							
	STD	00700	04.27	34.96	27.75	00.421	1479.5							
	OBS	00700	04.27	34.961	27.75		1479.5							
	OBS	00725	04.22	34.965	27.76		1479.7							
	OBS	00732	04.26	34.965	27.75		1480.0							
	OBS	00745	04.22	34.963	27.75		1480.0							
	OBS	00751	04.26	34.988	27.77		1480.3							
	OBS	00770	04.11	34.950	27.76		1480.0							
	OBS	00783	04.12	34.942	27.75		1480.2							
	STD	00800	04.06	34.94	27.75	00.464	1480.2							
	OBS	00800	04.06	34.940	27.75		1480.2							
	STD	00900	04.06	34.94	27.76	00.508	1481.9							
	OBS	00900	04.06	34.945	27.76		1481.9							
	STD	01000	03.97	34.94	27.76	00.552	1483.2							
	OBS	01000	03.97	34.940	27.76		1483.2							
	STD	01100	03.94	34.94	27.77	00.596	1484.8							
	OBS	01100	03.94	34.942	27.77		1484.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972. Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03749	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0106	MONTH 05	SHIP EV	WET BULB 06.1	15 1 2	WIND-SPD 15	TRACE DIR)	5 SQUARE 2
LAT 43 12 N	DAY 13	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 26
LONG 047 04 W	HOUR 04.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X)	ORIG ITP 111	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	PJ4	TOT P	NO2	NO3	SI33	P4
	STD	00000	09.93	34.62	26.84	00.000	1486.3							
04.0	OBS	00000	09.03	34.620	26.84		1486.3							
	STD	00010	09.01	34.61	26.83	00.012	1486.4							
	STD	00020	08.94	34.60	26.83	00.025	1486.3							
	OBS	00020	08.94	34.600	26.83		1486.3							
	STD	00030	08.83	34.58	26.84	00.037	1486.0							
	OBS	00030	08.83	34.580	26.84		1486.0							
	OBS	00040	07.69	34.430	26.89		1481.6							
	STD	00050	06.39	34.22	26.91	00.061	1476.4							
	OBS	00050	06.39	34.220	26.91		1476.4							
	OBS	00061	05.81	34.210	26.97		1474.3							
	OBS	00070	05.57	34.250	27.04		1473.5							
	STD	00075	06.33	34.37	27.04	00.088	1476.8							
	OBS	00092	07.21	34.580	27.08		1480.8							
	OBS	00096	07.03	34.580	27.10		1480.2							
	STD	00100	07.44	34.73	27.16	00.113	1482.1							
	OBS	00103	07.55	34.780	27.19		1482.6							
	OBS	00115	06.22	34.530	27.17		1477.2							
	STD	00125	06.31	34.54	27.17	00.136	1477.8							
	OBS	00125	06.31	34.540	27.17		1477.8							
	OBS	00146	06.39	34.650	27.25		1478.6							
	STD	00150	06.12	34.64	27.27	00.158	1477.5							
	OBS	00150	06.12	34.640	27.27		1477.5							
	OBS	00170	06.38	34.670	27.26		1479.0							
	OBS	00175	06.45	34.710	27.29		1479.4							
	OBS	00180	05.99	34.610	27.27		1477.5							
	STD	00200	05.41	34.63	27.35	00.198	1475.5							
	OBS	00200	05.41	34.630	27.35		1475.5							
	OBS	00209	05.91	34.680	27.33		1477.7							
	OBS	00230	05.51	34.680	27.38		1476.5							
	OBS	00240	05.83	34.740	27.39		1478.0							
	STD	00250	05.56	34.69	27.38	00.235	1477.0							
	OBS	00250	05.56	34.690	27.38		1477.0							
	OBS	00257	05.87	34.700	27.35 *		1478.4							
	OBS	00273	04.83	34.700	27.48		1474.4							
	OBS	00282	04.76	34.730	27.51		1474.3							
	STD	00300	05.58	34.81	27.48 *	00.279	1478.1							
	OBS	00300	05.58	34.810	27.48		1478.1							
	OBS	00310	05.61	34.800	27.46		1478.3							
	OBS	00320	05.54	34.820	27.49		1478.2							
	OBS	00331	05.61	34.860	27.51		1478.8							
	OBS	00345	05.50	34.870	27.53		1478.6							
	OBS	00365	05.54	34.890	27.54		1479.1							
	OBS	00390	05.31	34.890	27.57		1478.6							
	STD	00400	05.36	34.92	27.59	00.330	1479.0							
	OBS	00400	05.36	34.920	27.59		1479.0							
	OBS	00430	05.36	34.930	27.60		1479.5							
	STD	00500	05.11	34.97	27.66	00.384	1479.7							
	OBS	00500	05.11	34.970	27.66		1479.7							
	OBS	00540	05.05	34.990	27.68		1480.1							
	OBS	00560	05.09	35.000	27.69		1480.6							
	STD	00600	04.96	34.99	27.69	00.433	1480.7							
	OBS	00600	04.96	34.990	27.69		1480.7							
	STD	00700	04.61	34.97	27.72	00.480	1480.9							
	OBS	00700	04.61	34.970	27.72		1480.9							
	OBS	00775	04.47	34.960	27.73		1481.6							
	STD	00800	04.55	34.99	27.74	00.526	1482.4							
	OBS	00800	04.55	34.990	27.74		1482.4							
	OBS	00840	04.58	34.990	27.74		1483.1							
	STD	00900	04.50	34.99	27.75	00.572	1483.8							
	OBS	00900	04.50	34.990	27.75		1483.8							
	OBS	00960	04.42	34.980	27.75		1484.5							
	STD	01000	04.16	34.95	27.75	00.617	1484.0							
	OBS	01000	04.16	34.950	27.75		1484.0							
	STD	01100	04.10	34.94	27.75	00.663	1485.4							
	OBS	01100	04.10	34.940	27.75		1485.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03859	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0108	MONTH 05	SHIP FV	WET BULB 09.9	14 3 2	WIND-SPD 22	TRACE DIR 3	5 SQUARE 2
LAT 44 06 N	DAY 13	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 046 11 W	HOUR	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 111	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	08.72	34.39	26.71	00.000	1484.9							
19.6	OBS	00000	08.72	34.390	26.71		1484.9							
	STD	00010	08.48	34.36	26.72	00.013	1484.1							
	OBS	00010	08.48	34.360	26.72		1484.1							
	STD	00020	08.20	34.56	26.92	00.026	1483.5							
	OBS	00020	08.20	34.565	26.92		1483.5							
	OBS	00025	07.08	34.635	26.98		1479.0							
	STD	00030	07.11	34.46	27.00	00.037	1479.3							
	OBS	00030	07.11	34.460	27.00		1479.3							
	STD	00050	07.86	34.66	27.05	00.058	1482.8							
	OBS	00050	07.86	34.660	27.05		1482.8							
	OBS	00061	08.11	34.680	27.03		1483.9							
	OBS	00070	08.51	34.860	27.11		1485.8							
	STD	00075	08.39	34.81	27.09	00.083	1485.4							
	OBS	00075	08.39	34.810	27.09		1485.4							
	OBS	00099	07.09	34.590	27.10		1480.5							
	STD	00100	07.16	34.62	27.12	00.108	1480.8							
	OBS	00100	07.16	34.620	27.12		1480.8							
	OBS	00112	06.92	34.615	27.15		1480.1							
	STD	00125	07.26	34.71	27.17	00.132	1481.7							
	OBS	00125	07.26	34.710	27.17		1481.7							
	OBS	00130	06.94	34.620	27.15		1480.4							
	OBS	00135	06.99	34.700	27.20		1480.8							
	STD	00150	06.72	34.69	27.24	00.154	1480.0							
	OBS	00150	06.72	34.695	27.24		1480.0							
	OBS	00171	06.22	34.665	27.28		1478.3							
	OBS	00181	06.35	34.675	27.27		1479.0							
	STD	00200	05.32	34.57	27.32	00.195	1475.0							
	OBS	00200	05.32	34.570	27.32		1475.0							
	OBS	00225	04.70	34.550	27.37		1472.9							
	STD	00250	05.16	34.67	27.42	00.233	1475.3							
	OBS	00250	05.16	34.670	27.42		1475.3							
	OBS	00259	05.15	34.705	27.45		1475.5							
	STD	00300	05.71	34.88	27.52	00.266	1478.7							
	OBS	00300	05.71	34.880	27.52		1478.7							
	OBS	00303	05.78	34.900	27.52		1479.0							
	OBS	00339	04.92	34.775	27.53		1476.0							
	OBS	00379	05.26	34.875	27.57		1478.2							
	OBS	00381	05.14	34.860	27.57		1477.7							
	STD	00400	05.28	34.91	27.59	00.324	1478.6							
	OBS	00400	05.28	34.910	27.59		1478.6							
	OBS	00469	05.55	35.005	27.63		1481.0							
	OBS	00490	05.29	35.065	27.71		1480.4							
	STD	00500	05.49	35.06	27.69	00.376	1481.3							
	OBS	00500	05.49	35.060	27.69		1481.3							
	OBS	00525	05.23	35.025	27.69		1480.6							
	OBS	00535	05.38	35.025	27.67		1481.4							
	OBS	00550	05.12	35.020	27.70		1480.6							
	STD	00600	04.83	35.01	27.72	00.423	1480.2							
	OBS	00600	04.83	35.010	27.72		1480.2							
	STD	00700	04.75	35.02	27.74	00.468	1481.6							
	OBS	00700	04.75	35.020	27.74		1481.6							
	OBS	00709	04.65	35.025	27.76		1481.3							
	OBS	00752	04.82	35.035	27.75		1482.7							
	STD	00800	04.67	35.02	27.76	00.512	1482.7							
	OBS	00800	04.62	35.025	27.76		1482.7							
	STD	00900	04.51	35.02	27.77	00.556	1483.9							
	OBS	00900	04.51	35.020	27.77		1483.9							
	STD	01000	04.30	35.00	27.78	00.599	1484.7							
	OBS	01000	04.30	35.005	27.78		1484.7							
	OBS	01003	04.30	35.005	27.78		1484.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03932	AIR TEMP 06.7	DEP HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0109	MONTH 05	SHIP EV	WET BULB 05.6	25 3 2	WIND-SPD 25	TRACE DIR D	5 SQUARE 2
LAT 44 12 N	DAY 13	DATA USE 1	BAROMETR 1015.6	SFA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 45 W	HOUR 21.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG EIP 111	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	08.85	34.50	26.77	00.000	1485.5							
21.0	OBS	00000	08.85	34.500	26.77		1485.5							
	STD	00010	08.85	34.50	26.77	00.013	1485.7							
	OBS	00010	08.85	34.500	26.77		1485.7							
	STD	00020	08.81	34.45	26.74 *	00.026	1485.6							
	OBS	00020	08.81	34.450	26.74		1485.6							
	STD	00030	08.71	34.47	26.77	00.039	1485.4							
	OBS	00030	08.71	34.470	26.77		1485.4							
	OBS	00041	07.24	34.500	27.01		1480.0							
	STD	00050	07.74	34.65	27.06	00.062	1482.3							
	OBS	00050	07.74	34.650	27.06		1482.3							
	STD	00075	08.24	34.80	27.10	00.087	1484.8							
	OBS	00075	08.24	34.800	27.10		1484.8							
	STD	00100	07.94	34.77	27.12	00.112	1484.0							
	OBS	00100	07.94	34.770	27.12		1484.0							
	OBS	00110	08.09	34.840	27.15		1484.9							
	OBS	00122	07.33	34.700	27.16		1481.9							
	STD	00125	07.42	34.75	27.18	00.135	1482.4							
	OBS	00125	07.42	34.750	27.18		1482.4							
	OBS	00131	07.51	34.760	27.19		1482.9							
	STD	00150	06.84	34.60	27.15 *	00.158	1480.4							
	OBS	00150	06.84	34.600	27.15		1480.4							
	STD	00200	05.31	34.44	27.22	00.204	1474.8							
	OBS	00200	05.31	34.440	27.22		1474.8							
	OBS	00229	05.91	34.650	27.31		1478.0							
	OBS	00240	05.23	34.620	27.37		1475.4							
	OBS	00248	05.56	34.680	27.38		1477.0							
	STD	00250	05.48	34.67	27.38	00.245	1476.7							
	OBS	00252	05.42	34.670	27.39		1476.4							
	OBS	00270	05.51	34.660	27.37		1477.1							
	OBS	00285	05.23	34.680	27.42		1476.2							
	OBS	00290	05.33	34.720	27.44		1476.8							
	STD	00300	05.00	34.67	27.44	00.281	1475.5							
	OBS	00310	04.91	34.665	27.44		1475.3							
	OBS	00340	06.02	34.905	27.50		1480.6							
	OBS	00355	05.87	34.960	27.56		1480.3							
	STD	00400	05.35	34.90	27.58	00.344	1478.9							
	OBS	00400	05.35	34.900	27.58		1478.9							
	OBS	00411	05.12	34.960	27.65		1478.2							
	OBS	00447	04.74	34.875	27.63		1477.1							
	STD	00500	04.81	34.90	27.64	00.398	1478.3							
	OBS	00504	04.81	34.910	27.65		1478.4							
	OBS	00513	04.71	34.935	27.68		1478.2							
	OBS	00540	04.72	34.940	27.68		1479.7							
	OBS	00548	04.62	34.975	27.72		1478.4							
	OBS	00582	04.86	35.005	27.72		1480.0							
	STD	00600	04.85	35.01	27.73	00.447	1480.3							
	OBS	00600	04.85	35.015	27.73		1480.3							
	STD	00700	04.95	35.01	27.71	00.493	1482.4							
	OBS	00700	04.95	35.010	27.71		1482.4							
	OBS	00724	04.25	34.945	27.74		1479.8							
	OBS	00756	04.17	34.945	27.75		1480.0							
	OBS	00770	04.37	34.950	27.73		1481.1							
	STD	00800	04.14	34.94	27.75	00.539	1480.6							
	OBS	00800	04.14	34.945	27.75		1480.6							
	STD	00900	04.16	34.96	27.76	00.582	1482.4							
	OBS	00900	04.16	34.965	27.76		1482.4							
	STD	01000	04.26	34.98	27.76	00.626	1484.5							
	OBS	01000	04.26	34.980	27.76		1484.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03840	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 3110	MONTH 05	SHIP EV	WET BULB 03.9	32 4 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 16 N	DAY 14	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 16 W	HOUR 01.5	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG TIP 111	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.86	33.94	26.68	00.000	1473.0							
01.5	OBS	00000	05.86	33.865	26.68		1473.0							
	OBS	00004	05.84	33.870	26.70		1473.0							
	OBS	00005	05.89	33.860	26.69		1473.2							
	STD	00010	05.90	33.85	26.68	00.014	1473.3							
	OBS	00010	05.90	33.950	26.68		1473.3							
	STD	00020	05.94	33.87	26.69	00.027	1473.7							
	OBS	00020	05.94	33.870	26.69		1473.7							
	OBS	00024	06.00	33.880	26.69		1474.0							
	OBS	00028	05.98	33.900	26.71		1474.0							
	STD	00030	06.04	33.92	26.72	00.041	1474.3							
	OBS	00030	06.04	33.920	26.72		1474.3							
	STD	00050	07.79	34.30	26.78	00.067	1482.0							
	OBS	00050	07.79	34.300	26.78		1482.0							
	OBS	00055	08.14	34.545	26.92		1483.8							
	OBS	00069	07.44	34.550	27.02		1481.3							
	STD	00075	07.96	34.60	26.99 *	00.097	1483.5							
	OBS	00075	07.96	34.600	26.99		1483.5							
	STD	00100	07.40	34.53	27.01	00.124	1481.6							
	OBS	00100	07.40	34.530	27.01		1481.6							
	OBS	00107	07.77	34.700	27.09		1483.4							
	STD	00125	06.80	34.60	27.15	00.149	1479.8							
	OBS	00125	06.80	34.600	27.15		1479.8							
	STD	00150	07.14	34.70	27.18	00.172	1481.7							
	OBS	00150	07.14	34.700	27.18		1481.7							
	OBS	00170	07.07	34.800	27.27		1481.9							
	OBS	00180	07.00	34.780	27.27		1481.7							
	OBS	00196	07.24	34.870	27.30		1483.0							
	STD	00200	07.13	34.75	27.22 *	00.218	1482.5							
	STD	00250	05.69	34.60	27.30	00.260	1477.4							
	OBS	00250	05.69	34.600	27.30		1477.4							
	OBS	00254	05.35	34.700	27.42		1476.2							
	OBS	00258	05.63	34.730	27.41		1477.5							
	OBS	00270	05.61	34.760	27.43		1477.7							
	OBS	00278	05.59	34.800	27.47		1477.7							
	OBS	00290	06.12	34.880	27.46		1480.2							
	STD	00300	05.94	34.83	27.45	00.298	1479.5							
	OBS	00300	05.94	34.830	27.45		1479.5							
	OBS	00316	05.58	34.820	27.48		1478.3							
	OBS	00320	05.65	34.800	27.46		1478.7							
	OBS	00328	05.65	34.870	27.52		1478.9							
	OBS	00340	05.56	34.900	27.55		1478.8							
	OBS	00345	05.62	34.900	27.54		1479.1							
	OBS	00362	05.31	34.890	27.57		1478.1							
	STD	00400	05.34	34.92	27.59	00.360	1478.9							
	OBS	00400	05.34	34.920	27.59		1478.9							
	OBS	00425	05.16	34.930	27.62		1478.6							
	OBS	00447	05.20	34.960	27.64		1479.1							
	OBS	00475	05.02	34.980	27.68		1478.9							
	STD	00500	05.16	35.02	27.69	00.411	1479.9							
	OBS	00500	05.16	35.020	27.69		1479.9							
	OBS	00514	05.31	35.040	27.69		1480.8							
	OBS	00521	05.18	35.020	27.69		1480.4							
	STD	00600	05.09	35.05	27.73	00.458	1481.3							
	OBS	00600	05.09	35.050	27.73		1481.3							
	STD	00700	04.27	34.94	27.73	00.503	1479.5							
	OBS	00700	04.27	34.940	27.73		1479.5							
	OBS	00715	04.25	34.940	27.73		1479.6							
	OBS	00740	04.28	34.920	27.71		1480.1							
	OBS	00750	04.22	34.930	27.73		1480.1							
	OBS	00767	04.31	34.970	27.71		1480.7							
	OBS	00777	04.16	34.930	27.74		1480.3							
	STD	00800	04.16	34.93	27.74	00.547	1480.7							
	OBS	00800	04.16	34.930	27.74		1480.7							
	OBS	00817	04.16	34.970	27.77		1481.0							
	OBS	00821	04.29	34.980	27.76		1481.6							
	OBS	00870	04.14	34.940	27.75		1481.7							
	STD	00900	04.19	34.95	27.75	00.592	1482.5							
	OBS	00900	04.19	34.950	27.75		1482.5							
	STD	01000	04.06	34.93	27.75	00.638	1483.6							
	OBS	01000	04.06	34.930	27.75		1483.6							
	OBS	01009	04.03	34.930	27.75		1483.6							
	OBS	01050	04.03	34.930	27.75		1484.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03237	AIR TEMP 07.8	DIR MGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0111	MONTH 05	SHIP FV	WET BULB 07.2	29 2 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 26 N	DAY 14	DATA USE 1	BAROMETR 1017.9	SEA	WIND-STR	DURATION 00.7	2 SQUARE 48
LONG 048 07 W	HOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER 03	ORIG IEP 111	1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.46	33.34	26.63	00.000	1458.0							
05.9	OBS	00000	02.46	33.340	26.63		1458.0							
	OBS	00007	02.46	33.370	26.65		1458.2							
	STD	00010	02.59	33.40	26.67	00.014	1458.8							
	OBS	00010	02.59	33.400	26.67		1458.9							
	STD	00020	02.82	33.50	26.73	00.028	1460.1							
	OBS	00020	02.82	33.500	26.73		1460.1							
	STD	00030	02.10	33.44	26.74	00.041	1457.1							
	OBS	00030	02.10	33.440	26.74		1457.1							
	OBS	00039	02.09	33.570	26.84		1457.3							
	OBS	00040	02.24	33.600	26.85		1458.1							
	STD	00050	01.94	33.75	27.00	00.065	1457.1							
	OBS	00050	01.94	33.750	27.00		1457.1							
	OBS	00067	02.39	33.870	27.06		1459.5							
	OBS	00070	02.08	33.870	27.08		1458.2							
	OBS	00073	01.99	34.100	27.27		1458.2							
	STD	00075	02.08	34.11	27.28	00.088	1458.6							
	STD	00100	03.04	34.25	27.31	00.108	1463.4							
	OBS	00100	03.04	34.250	27.31		1463.4							
	OBS	00120	03.63	34.380	27.35		1466.4							
	STD	00125	03.58	34.38	27.36	00.127	1466.3							
	OBS	00125	03.58	34.380	27.36		1466.3							
	OBS	00147	03.92	34.430	27.37		1467.7							
	STD	00150	04.01	34.55	27.45	00.145	1468.8							
	OBS	00150	04.01	34.550	27.45		1468.8							
	OBS	00175	04.74	34.670	27.47		1472.4							
	OBS	00180	04.83	34.700	27.48		1472.9							
	STD	00200	04.05	34.59	27.48	00.177	1469.8							
	OBS	00200	04.05	34.590	27.48		1469.8							
	STD	00250	04.36	34.75	27.57	00.206	1472.1							
	OBS	00250	04.36	34.750	27.57		1472.1							
	STD	00300	05.16	34.72	27.61	00.233	1476.5							
	OBS	00300	05.16	34.920	27.61		1476.5							
	OBS	00315	05.16	34.940	27.63		1476.8							
	OBS	00334	04.93	34.900	27.63		1476.1							
	OBS	00340	05.05	34.950	27.65		1476.8							
	OBS	00351	05.09	35.010	27.69		1477.2							
	OBS	00370	04.95	34.980	27.69		1476.9							
	STD	00400	04.94	34.98	27.69	00.283	1477.3							
	OBS	00400	04.94	34.980	27.69		1477.3							
	STD	00500	04.61	34.98	27.73	00.328	1477.6							
	OBS	00500	04.61	34.980	27.73		1477.6							
	STD	00600	04.43	34.98	27.75	00.371	1478.5							
	OBS	00600	04.43	34.980	27.75		1478.5							
	OBS	00670	04.37	34.950	27.73		1479.4							
	STD	00700	04.25	34.95	27.74	00.414	1479.4							
	OBS	00700	04.25	34.950	27.74		1479.4							
	STD	00800	04.16	34.95	27.75	00.457	1480.7							
	OBS	00800	04.16	34.950	27.75		1480.7							
	STD	00900	04.01	34.93	27.75	00.501	1481.7							
	OBS	00900	04.01	34.930	27.75		1481.7							
	STD	01000	03.95	34.93	27.76	00.546	1483.1							
	OBS	01000	03.95	34.930	27.76		1483.1							
	STD	01100	03.94	34.93	27.76	00.590	1484.7							
	OBS	01100	03.94	34.930	27.76		1484.7							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02195	AIR TEMP 02.8	DIR HGT PER	#IND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0112	MONTH 05	SHIP EV	WET BULB 01.7	22 2 2	#IND-SPD 15	TRACE DIR 0	5 SQUARE 7
LAT 44 33 N	DAY 14	DATA USE 1	BAROMETR 1020.7	SEA	#IND-FOR	DURATION 03.2	2 SQUARE 48
LONG 048 32 W	HOUR 09.1	AREA 05	CLOUD T/A	CL/TR	#WEATHER 20	ORIG IIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	00.14	33.10	26.59	00.000	1447.3							
09.1	OBS	00000	00.14	33.100	26.59		1447.3							
	OBS	00005	00.04	33.100	26.59		1446.9							
	STD	00010	- 0.01	33.16	26.64	00.014	1446.9							
	OBS	00010	- 0.01	33.160	26.64		1446.9							
	STD	00020	- 0.76	33.26	26.76	00.028	1443.7							
	OBS	00020	- 0.76	33.260	26.76		1443.7							
	STD	00030	- 1.03	33.41	26.89	00.040	1442.8							
	OBS	00030	- 1.03	33.410	26.89		1442.8							
	OBS	00033	- 1.04	33.430	26.90		1442.8							
	STD	00050	- 0.51	33.76	27.15	00.061	1446.0							
	OBS	00050	- 0.51	33.760	27.15		1446.0							
	OBS	00063	00.57	33.830	27.15		1451.3							
	STD	00075	00.01	33.91	27.17	00.084	1448.9							
	OBS	00087	- 0.25	33.790	27.16		1447.9							
	STD	00100	- 0.18	33.91	27.26	00.106	1448.6							
	OBS	00100	- 0.18	33.910	27.26		1448.6							
	STD	00125	00.25	34.05	27.35	00.125	1451.2							
	OBS	00125	00.25	34.050	27.35		1451.2							
	STD	00150	01.19	34.36	27.54	00.141	1456.3							
	OBS	00150	01.19	34.360	27.54		1456.3							
	OBS	00155	01.39	34.360	27.53		1457.2							
	OBS	00193	01.75	34.390	27.52		1459.5							
	STD	00200	01.76	34.40	27.53	00.170	1459.7							
	OBS	00200	01.76	34.400	27.53		1459.7							
	STD	00250	02.04	34.46	27.56	00.198	1461.8							
	OBS	00250	02.04	34.460	27.56		1461.8							
	OBS	00282	02.24	34.530	27.60		1463.3							
	STD	00300	02.68	34.56	27.58	00.225	1465.6							
	OBS	00300	02.68	34.560	27.58		1465.6							
	OBS	00327	05.14	34.930	27.62		1476.9							
	OBS	00344	04.74	34.880	27.63		1475.4							
	OBS	00380	05.24	35.000	27.67		1478.3							
	STD	00400	05.21	35.02	27.69	00.275	1478.5							
	OBS	00400	05.21	35.020	27.69		1478.5							
	STD	00500	04.62	34.98	27.72	00.320	1477.7							
	OBS	00500	04.62	34.980	27.72		1477.7							
	OBS	00575	04.38	34.960	27.74		1477.9							
	STD	00600	04.60	35.00	27.74	00.363	1479.3							
	OBS	00600	04.60	35.000	27.74		1479.3							
	OBS	00630	04.39	34.980	27.75		1478.9							
	OBS	00660	04.37	34.970	27.74		1479.3							
	OBS	00677	04.39	34.980	27.75		1479.6							
	STD	00700	04.34	34.96	27.74	00.407	1479.8							
	OBS	00700	04.34	34.960	27.74		1479.8							
	OBS	00718	04.33	34.960	27.74		1480.0							
	OBS	00721	04.26	34.950	27.74		1479.8							
	OBS	00741	04.23	34.950	27.74		1480.0							
	STD	00800	04.22	34.96	27.75	00.450	1480.9							
	OBS	00800	04.22	34.960	27.75		1480.9							
	OBS	00830	04.18	34.950	27.75		1481.3							
	OBS	00860	04.24	34.970	27.76		1482.0							
	STD	00900	04.22	34.97	27.76	00.494	1482.6							
	OBS	00900	04.22	34.970	27.76		1482.6							
	OBS	00917	04.20	34.960	27.75		1482.8							
	OBS	00975	04.02	34.940	27.76		1483.0							
	STD	01000	04.02	34.94	27.76	00.538	1483.4							
	OBS	01000	04.02	34.940	27.76		1483.4							
	OBS	01020	04.04	34.950	27.76		1483.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00168	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0123	MONTH 05	SHIP EV	WET BULB 02.8	23 0 2	WIND-SPD 15	TRACE DIR)	5 SQUARE 4
LAT 45 53 N	DAY 15	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 06 W	HOUR 17.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	00.11	32.87	26.41	00.000	1446.8							
17.0	OBS	00000	00.11	32.870	26.41		1446.8							
	STD	00010	00.04	32.85	26.39	00.016	1446.7							
	OBS	00010	00.04	32.950	26.39		1446.7							
	STD	00020	- 0.15	32.95	26.40	00.033	1445.9							
	OBS	00020	- 0.15	32.850	26.40		1445.9							
	STD	00030	- 0.90	32.95	26.51	00.049	1442.8							
	OBS	00030	- 0.90	32.950	26.51		1442.9							
	STD	00050	- 1.44	33.02	26.58	00.078	1440.7							
	OBS	00050	- 1.44	33.020	26.58		1440.7							
	OBS	00061	- 1.43	33.040	26.60		1440.9							
	OBS	00067	- 1.43	33.110	26.66		1440.9							
	STD	00075	- 1.48	33.19	26.72	00.113	1441.1							
	OBS	00075	- 1.48	33.190	26.72		1441.1							
	OBS	00092	- 1.05	33.445	26.92		1443.8							
	STD	00100	- 1.04	33.42	26.90	00.144	1443.9							
	OBS	00100	- 1.04	33.420	26.90		1443.9							
	STD	00125	- 0.69	33.54	26.98	00.172	1446.1							
	OBS	00125	- 0.69	33.540	26.98		1446.1							
	OBS	00140	- 0.44	33.600	27.02		1447.6							

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REFID 31 8296	YEAR 1972	BOTDP 00101	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0124	MONTH 05	SHIP EV	WET BULB 02.2	33 0 2	WIND-SPD 19	TRACE DIR)	5 SQUARE 4
LAT 46 05 N	DAY 15	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 27 W	HOUR 19.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG IIP 111	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	00.65	32.86	26.37	00.000	1449.3							
19.1	OBS	00000	00.65	32.860	26.37		1449.3							
	STD	00010	00.65	32.86	26.37	00.017	1449.5							
	OBS	00010	00.65	32.860	26.37		1449.5							
	STD	00020	00.57	32.87	26.38	00.033	1449.3							
	OBS	00020	00.57	32.870	26.38		1449.3							
	STD	00030	00.31	32.86	26.39	00.050	1448.2							
	OBS	00030	00.31	32.860	26.39		1448.2							
	STD	00050	00.24	32.90	26.42	00.082	1448.3							
	OBS	00050	00.24	32.900	26.42		1448.3							
	OBS	00070	- 1.06	33.000	26.56		1442.7							

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REFID 31 8296	YEAR 1972	BOTDP 00084	AIR TEMP 02.8	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1306
CONSEC 0125	MONTH 05	SHIP EV	WET BULB 02.2	26 2 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 46 14 N	DAY 15	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 40 W	HOUR 20.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 111	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	00.67	32.84	26.35	00.000	1449.4							
20.5	OBS	00000	00.67	32.840	26.35		1449.4							
	STD	00010	00.67	32.83	26.34	00.017	1449.5							
	OBS	00010	00.67	32.830	26.34		1449.5							
	OBS	00015	00.63	32.840	26.35		1449.4							
	STD	00020	00.63	32.84	26.35	00.034	1449.5							
	OBS	00020	00.63	32.840	26.35		1449.5							
	OBS	00025	00.66	32.840	26.35		1449.7							
	STD	00030	00.57	32.83	26.35	00.051	1449.4							
	OBS	00030	00.57	32.830	26.35		1449.4							
	STD	00050	00.41	32.83	26.36	00.084	1449.0							
	OBS	00050	00.41	32.830	26.36		1449.0							
	OBS	00055	00.33	32.870	26.38		1448.7							
	OBS	00062	- 0.39	32.900	26.45		1445.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03639	AIR TEMP 13.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0126	MONTH 06	SHIP EV	WET BULB 17.8	15 4 2	WIND-SPD 32	TRACE DIR D	5 SQUARE 1
LAT 41 17.5N	DAY 07	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 03.4	2 SQUARE 00
LONG 050 20.0W	HOUR 07.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 111	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	19.75	36.39	25.91	00.000	1523.1							
07.8	OBS	00000	19.75	36.390	25.91		1523.1							
	OBS	00004	19.75	36.390	25.91		1523.1							
	STD	00010	19.63	36.39	25.94	00.021	1522.9							
	OBS	00010	19.63	36.390	25.94		1522.9							
	STD	00020	19.62	36.38	25.94	00.042	1523.0							
	OBS	00020	19.62	36.385	25.94		1523.0							
	STD	00030	19.32	36.29	25.95	00.063	1522.3							
	OBS	00030	19.32	36.295	25.95		1522.3							
	STD	00050	18.27	36.33	26.24	00.101	1519.7							
	OBS	00050	18.27	36.330	26.24		1519.7							
	STD	00075	17.72	36.46	26.48	00.144	1518.7							
	OBS	00075	17.72	36.460	26.48		1518.7							
	STD	00100	17.42	36.35	26.47	00.184	1518.1							
	OBS	00100	17.42	36.350	26.47		1518.1							
	OBS	00108	17.39	36.395	26.51		1518.2							
	OBS	00122	17.19	36.385	26.55		1517.8							
	STD	00125	17.22	36.39	26.54	00.223	1517.9							
	OBS	00125	17.22	36.390	26.54		1517.9							
	OBS	00140	17.23	36.385	26.54		1518.2							
	STD	00150	17.15	36.36	26.54	00.262	1519.1							
	OBS	00150	17.15	36.365	26.54		1518.1							
	STD	00200	17.01	36.35	26.57	00.339	1518.5							
	OBS	00200	17.01	36.355	26.57		1518.5							
	STD	00250	16.54	36.29	26.63	00.415	1517.8							
	OBS	00250	16.54	36.295	26.63		1517.8							
	STD	00300	15.91	36.16	26.68	00.489	1516.6							
	OBS	00300	15.91	36.165	26.68		1516.6							
	OBS	00368	14.71	35.955	26.79		1513.7							
	OBS	00389	14.74	35.995	26.81		1514.2							
	STD	00400	14.61	35.97	26.82	00.630	1513.9							
	OBS	00400	14.61	35.970	26.82		1513.9							
	STD	00500	13.10	35.75	26.97	00.760	1510.3							
	OBS	00500	13.10	35.750	26.97		1510.3							
	STD	00600	10.92	35.40	27.12	00.876	1504.1							
	OBS	00600	10.92	35.405	27.12		1504.1							
	STD	00700	08.66	35.17	27.33	00.975	1497.2							
	OBS	00700	08.66	35.175	27.33		1497.2							
	OBS	00755	07.37	35.050	27.43		1493.0							
	OBS	00770	07.31	35.075	27.45		1493.0							
	OBS	00795	07.49	35.175	27.51		1494.3							
	STD	00800	07.42	35.16	27.51	01.056	1494.1							
	OBS	00800	07.42	35.165	27.51		1494.1							
	OBS	00830	06.91	35.135	27.56		1492.6							
	OBS	00840	06.95	35.170	27.58		1492.9							
	OBS	00868	06.80	35.175	27.60		1492.9							
	STD	00900	05.55	34.99	27.62	01.121	1488.1							
	OBS	00900	05.55	34.990	27.62		1488.1							
	OBS	00920	05.45	35.025	27.66		1488.1							
	OBS	00940	05.65	35.060	27.67		1489.3							
	OBS	00965	05.19	35.015	27.69		1487.8							
	STD	01000	05.34	35.07	27.72	01.177	1489.0							
	OBS	01000	05.34	35.075	27.72		1489.0							
	STD	01100	04.95	35.07	27.76	01.227	1489.1							
	OBS	01100	04.95	35.070	27.76		1489.1							
	STD	01200	04.72	35.07	27.79	01.273	1489.8							
	OBS	01200	04.72	35.075	27.79		1489.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03810	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0127	MONTH 06	SHIP EV	WET BULB 17.9	19 2 2	WIND-SPD 32	TRACE DIR 3	5 SQUARE 1
LAT 41 37.5N	DAY 07	DATA USE 1	BAROMETR 1010.2	SEA	WIND-FTR	DURATION 00.3	2 SQUARE 00
LONG 050 20.0W	HOUR 10.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	OBIS IIP III	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	N02	N03	SI33	PH
	STD	00000	19.66	36.11	25.72	00.000	1522.5							
10.4	OBS	00000	19.66	36.110	25.72		1522.5							
	OBS	00002	19.59	36.110	25.73		1522.3							
	STD	00010	19.61	36.11	25.73	00.023	1522.5							
	OBS	00010	19.61	36.110	25.73		1522.5							
	STD	00020	19.57	36.08	25.72	00.046	1522.6							
	OBS	00020	19.57	36.095	25.72		1522.6							
	STD	00030	19.22	36.00	25.75	00.068	1521.6							
	OBS	00030	19.22	36.000	25.75		1521.6							
	STD	00050	15.67	35.66	26.35	00.108	1511.1							
	OBS	00050	15.67	35.660	26.35		1511.1							
	OBS	00058	15.07	35.480	26.34		1509.2							
	STD	00075	15.67	35.88	26.52	00.149	1511.8							
	OBS	00075	15.67	35.880	26.52		1511.8							
	OBS	00077	15.58	35.825	26.50		1511.5							
	STD	00100	14.12	35.51	26.58	00.187	1506.8							
	OBS	00100	14.12	35.515	26.58		1506.8							
	OBS	00106	13.45	35.500	26.71		1504.7							
	OBS	00112	13.56	35.525	26.70		1505.2							
	STD	00125	13.17	35.44	26.72	00.223	1504.0							
	OBS	00125	13.17	35.445	26.72		1504.0							
	OBS	00133	13.05	35.480	26.77		1503.8							
	OBS	00147	13.13	35.485	26.76		1504.3							
	STD	00150	13.09	35.45	26.74	00.257	1504.2							
	OBS	00150	13.09	35.455	26.74		1504.2							
	OBS	00152	13.05	35.480	26.77		1504.1							
	OBS	00159	13.11	35.500	26.78		1504.5							
	OBS	00164	13.05	35.520	26.80		1504.4							
	OBS	00188	12.83	35.480	26.82		1504.0							
	OBS	00191	13.01	35.525	26.92		1504.7							
	STD	00200	12.91	35.50	26.82	00.323	1504.5							
	OBS	00200	12.91	35.505	26.82		1504.5							
	OBS	00217	12.95	35.520	26.82		1504.9							
	OBS	00235	12.61	35.475	26.86		1504.0							
	STD	00250	12.69	35.51	26.87	00.386	1504.6							
	OBS	00250	12.69	35.510	26.87		1504.6							
	OBS	00285	12.70	35.540	26.89		1505.2							
	STD	00300	12.93	35.67	26.94	00.448	1506.4							
	OBS	00300	12.93	35.670	26.94		1506.4							
	OBS	00350	11.74	35.490	27.04		1502.9							
	OBS	00355	11.83	35.520	27.04		1503.4							
	STD	00400	10.48	35.33	27.14	00.559	1499.1							
	OBS	00400	10.48	35.330	27.14		1499.1							
	STD	00500	08.47	35.10	27.30	00.654	1493.1							
	OBS	00500	08.47	35.100	27.30		1493.1							
	OBS	00512	08.61	35.200	27.36		1493.9							
	OBS	00548	07.49	34.980	27.35		1489.9							
	OBS	00558	07.89	35.120	27.40		1491.8							
	STD	00600	07.61	35.13	27.45	00.735	1491.5							
	OBS	00600	07.61	35.125	27.45		1491.5							
	STD	00700	06.09	35.04	27.59	00.803	1487.0							
	OBS	00700	06.09	35.040	27.59		1487.0							
	OBS	00757	05.51	35.060	27.68		1485.7							
	OBS	00770	05.74	35.090	27.68		1486.8							
	STD	00800	05.56	35.09	27.70	00.858	1486.6							
	OBS	00800	05.56	35.095	27.70		1486.6							
	OBS	00822	05.49	35.100	27.72		1486.7							
	OBS	00860	05.61	35.130	27.73		1487.9							
	STD	00900	05.53	35.15	27.75	00.907	1488.2							
	OBS	00900	05.53	35.150	27.75		1488.2							
	OBS	00910	05.57	35.175	27.77		1488.6							
	STD	01000	05.10	35.10	27.76	00.954	1488.1							
	OBS	01000	05.10	35.100	27.76		1488.1							
	OBS	01037	04.93	35.095	27.78		1488.0							
	OBS	01080	04.71	35.065	27.78		1487.8							
	STD	01100	04.68	35.06	27.78	01.000	1488.0							
	OBS	01130	04.62	35.060	27.79		1488.2							
	STD	01200	04.47	35.06	27.81	01.044	1488.8							
	OBS	01200	04.47	35.065	27.81		1488.8							
	OBS	01230	04.40	35.055	27.81		1489.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03194	AIR TEMP 16.7	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1307
CONSEC 0128	MONTH 06	SHIP EV	WET BULB 14.4	16 5 3	WIND-SPD 15	TRACE DIR 3	5 SQUARE 1
LAT 42 22 N	DAY 07	DATA USE 1	BAROMETR 1009.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 11 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	08.17	33.04	25.73	00.000	1481.0							
18.1	OBS	00000	08.17	33.040	25.73		1481.0							
	STD	00010	02.97	33.30	26.55	00.019	1460.3							
	OBS	00010	02.97	33.300	26.55		1460.3							
	STD	00020	00.76	33.12	26.57	00.034	1450.5							
	STD	00030	- 0.68	33.04	26.58	00.048	1443.9							
	OBS	00030	- 0.68	33.040	26.58		1443.9							
	STD	00050	- 1.27	33.20	26.73	00.076	1441.7							
	OBS	00050	- 1.27	33.205	26.73		1441.7							
	STD	00075	- 1.30	33.30	26.81	00.108	1442.1							
	OBS	00075	- 1.30	33.300	26.81		1442.1							
	STD	00100	- 1.25	33.34	26.84	00.139	1442.8							
	OBS	00100	- 1.25	33.340	26.84		1442.8							
	STD	00125	- 1.18	33.37	26.86	00.169	1443.6							
	OBS	00125	- 1.18	33.370	26.86		1443.6							
	STD	00150	- 1.03	33.43	26.90	00.198	1444.8							
	OBS	00150	- 1.03	33.430	26.90		1444.8							
	OBS	00165	- 0.91	33.600	27.04		1445.9							
	STD	00200	04.92	34.38	27.21	00.249	1473.1							
	OBS	00200	04.92	34.380	27.21		1473.1							
	OBS	00230	05.66	34.500	27.22		1476.8							
	STD	00250	05.22	34.40	27.20	00.294	1475.2							
	OBS	00250	05.22	34.400	27.20		1475.2							
	OBS	00256	04.69	34.400	27.26		1473.1							
	OBS	00261	05.19	34.420	27.22 *		1475.3							
	STD	00300	04.37	34.52	27.39	00.335	1472.7							
	OBS	00300	04.37	34.520	27.39		1472.7							
	OBS	00304	04.24	34.540	27.42		1472.2							
	OBS	00312	05.32	34.680	27.41		1477.0							
	OBS	00340	05.09	34.715	27.46		1476.6							
	OBS	00362	04.61	34.635	27.45		1474.9							
	OBS	00371	05.57	34.830	27.49		1479.2							
	OBS	00382	05.52	34.820	27.49		1479.2							
	OBS	00388	05.62	34.840	27.50		1479.7							
	STD	00400	04.22	34.73	27.57	00.400	1474.0							
	OBS	00400	04.22	34.730	27.57		1474.0							
	STD	00500	03.42	34.70	27.63	00.454	1472.2							
	OBS	00500	03.42	34.700	27.63		1472.2							
	OBS	00555	04.92	34.960	27.67		1479.8							
	STD	00600	04.85	34.97	27.69	00.504	1480.2							
	OBS	00600	04.85	34.970	27.69		1480.2							
	OBS	00645	05.01	35.020	27.71		1481.7							
	OBS	00669	04.90	35.015	27.72		1481.7							
	STD	00700	04.90	35.02	27.72	00.551	1482.2							
	OBS	00700	04.90	35.020	27.72		1482.2							
	STD	00800	04.65	35.00	27.74	00.597	1482.8							
	OBS	00800	04.65	35.005	27.74		1482.8							
	STD	00900	04.51	35.00	27.75	00.643	1483.9							
	OBS	00900	04.51	35.000	27.75		1483.9							
	STD	01000	04.37	34.99	27.76	00.688	1484.9							
	OBS	01000	04.37	34.990	27.76		1484.9							
	OBS	01095	04.28	34.980	27.76		1486.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02754	AIR TEMP 16.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1307
CONSEC 0129	MONTH 06	SHIP EV	WET BULB 14.4	20 2 2	WIND-SPD 12	TRACE DIR 3	5 SQUARE 1
LAT 42 29.5N	DAY 07	DATA USE 1	BAROMETR 1000.9	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 20
LONG 050 06 W	HOUR 20.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI33	P4
	STD	00000	07.47	32.97	25.78	00.000	1479.2							
20.0	OBS	00000	07.47	32.970	25.78		1478.7							
	STD	00010	05.97	32.88	25.91	00.022	1472.3							
	OBS	00010	05.97	32.880	25.91		1472.3							
	STD	00020	01.47	32.78	26.26	00.041	1453.2							
	OBS	00020	01.47	32.780	26.26		1453.2							
	STD	00030	00.12	32.88	26.41	00.058	1447.4							
	OBS	00030	00.12	32.875	26.41		1447.4							
	STD	00050	- 1.18	33.20	26.72	00.088	1442.1							
	OBS	00050	- 1.18	33.200	26.72		1442.1							
	OBS	00053	- 1.30	33.180	26.71		1441.6							
	STD	00075	02.96	33.85	26.99	00.118	1462.1							
	STD	00100	06.01	34.33	27.04	00.144	1475.9							
	OBS	00100	06.01	34.330	27.04		1475.9							
	STD	00125	07.17	34.52	27.04	00.170	1481.1							
	OBS	00125	07.17	34.520	27.04		1481.1							
	STD	00150	08.03	34.76	27.10	00.196	1485.2							
	OBS	00150	08.03	34.760	27.10		1485.2							
	OBS	00160	08.08	34.780	27.11		1485.6							
	OBS	00183	07.50	34.700	27.13		1483.6							
	STD	00200	08.84	34.99	27.16	00.245	1489.4							
	OBS	00200	08.84	34.990	27.16		1489.4							
	OBS	00204	08.93	35.000	27.15		1489.8							
	STD	00250	07.26	34.86	27.29	00.290	1484.0							
	OBS	00250	07.26	34.860	27.29		1484.0							
	OBS	00285	05.71	34.690	27.37		1478.2							
	OBS	00293	06.01	34.745	27.37		1479.6							
	STD	00300	05.95	34.74	27.37	00.329	1479.5							
	OBS	00300	05.95	34.740	27.37		1479.5							
	OBS	00306	05.91	34.785	27.42		1479.5							
	OBS	00319	06.27	34.860	27.43		1481.2							
	OBS	00345	06.12	34.895	27.48		1481.1							
	OBS	00367	06.21	34.900	27.47		1481.8							
	STD	00400	05.34	34.86	27.55	00.397	1478.8							
	OBS	00400	05.34	34.860	27.55		1478.8							
	OBS	00415	04.84	34.805	27.56		1476.9							
	OBS	00430	05.71	34.970	27.59		1480.9							
	OBS	00450	05.63	34.960	27.59		1480.9							
	STD	00500	03.65	34.71	27.62	00.453	1473.2							
	OBS	00500	03.65	34.715	27.62		1473.2							
	OBS	00505	03.60	34.750	27.65		1473.2							
	OBS	00535	03.80	34.760	27.64		1474.5							
	OBS	00540	03.63	34.780	27.67		1473.9							
	STD	00600	03.99	34.86	27.70	00.503	1476.5							
	OBS	00600	03.99	34.860	27.70		1476.5							
	OBS	00640	04.56	34.940	27.70		1479.7							
	OBS	00689	04.23	34.955	27.75		1479.1							
	STD	00700	04.36	34.96	27.74	00.548	1479.9							
	OBS	00700	04.36	34.960	27.74		1479.9							
	OBS	00770	04.20	34.950	27.75		1480.3							
	OBS	00780	04.33	34.970	27.75		1481.1							
	STD	00900	04.34	34.96	27.74	00.593	1481.4							
	OBS	00800	04.34	34.965	27.74		1481.4							
	STD	00900	04.60	35.01	27.75	00.637	1484.3							
	OBS	00900	04.60	35.015	27.75		1484.3							
	STD	01000	04.41	35.00	27.76	00.683	1485.1							
	OBS	01000	04.41	35.000	27.76		1485.1							
	STD	01100	04.29	34.99	27.77	00.728	1486.3							
	OBS	01100	04.29	34.990	27.77		1486.3							
	OBS	01105	04.27	34.995	27.77		1486.3							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01326	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1307
CONSEC 0130	MONTH 06	SHIP EV	WET BULB 13.9	20 2 2	WIND-SPD 09	TRACE DIR 0	5 SQUARE 1
LAT 42 41.5N	DAY 07	DATA USE 1	BAROMETR 1011.0	SEA		DURATION 03.3	2 SQUARE 20
LONG 050 03 W	HOUR 22.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	10.83	33.31	25.51	00.000	1491.2							
22.0	OBS	00000	10.83	33.310	25.51		1491.2							
	STD	00010	11.11	33.31	25.46	00.025	1492.4							
	OBS	00012	11.18	33.308	25.45		1492.7							
	STD	00020	06.45	33.01	25.95	00.048	1474.6							
	STD	00030	02.03	32.78	26.21	00.067	1455.9							
	OBS	00038	- 0.16	32.712	26.29		1446.0							
	STD	00050	- 0.38	32.87	26.43	00.102	1445.4							
	OBS	00054	- 0.56	32.916	26.47		1444.8							
	OBS	00065	- 1.18	33.012	26.57		1442.1							
	OBS	00069	- 1.19	33.041	26.59		1442.2							
	STD	00075	- 1.40	33.09	26.64	00.139	1441.4							
	OBS	00075	- 1.42	33.095	26.64		1441.3							
	OBS	00098	- 1.62	33.311	26.82		1441.0							
	STD	00100	- 1.56	33.32	26.83	00.172	1441.3							
	OBS	00115	- 1.24	33.403	26.89		1443.2							
	OBS	00122	- 1.26	33.443	26.92		1443.3							
	STD	00125	- 1.16	33.49	26.95	00.201	1443.9							
	OBS	00127	- 1.09	33.513	26.97		1444.3							
	OBS	00138	- 0.85	33.545	26.99		1445.6							
	OBS	00148	00.00	33.659	27.08		1449.9							
	STD	00150	00.18	33.67	27.09	00.228	1450.7							
	OBS	00176	02.49	33.881	27.06		1461.8							
	OBS	00190	03.21	34.007	27.10		1465.3							
	STD	00200	03.22	34.01	27.10	00.278	1465.5							
	OBS	00206	03.23	34.018	27.10		1465.6							
	OBS	00210	03.30	34.049	27.12		1466.1							
	OBS	00232	01.62	33.945	27.18		1459.0							
	STD	00250	03.22	34.11	27.18	00.326	1466.5							
	OBS	00250	03.35	34.131	27.18		1467.1							
	OBS	00258	04.63	34.378	27.25		1472.9							
	OBS	00286	01.69	34.022	27.23		1460.3							
	STD	00300	00.52	34.03	27.32	00.368	1455.3							
	OBS	00306	00.48	34.038	27.33		1455.2							
	OBS	00322	01.89	34.338	27.47		1462.2							
	STD	00400	05.54	34.82	27.49	00.438	1479.6							
	OBS	00401	05.63	34.835	27.49		1480.0							
	OBS	00412	05.41	34.808	27.50		1479.2							
	OBS	00423	05.36	34.953	27.54		1479.3							
	STD	00500	04.34	34.85	27.65	00.496	1476.3							
	OBS	00509	04.25	34.830	27.65		1476.1							
	OBS	00520	04.16	34.809	27.64		1475.8							
	OBS	00560	04.37	34.883	27.68		1477.5							
	STD	00600	04.74	34.97	27.70	00.545	1479.8							
	OBS	00638	04.92	35.026	27.73		1481.3							
	OBS	00699	04.84	35.040	27.75		1482.0							
	STD	00700	04.84	35.04	27.75	00.590	1482.0							
	OBS	00762	04.74	35.035	27.75		1482.6							
	STD	00800	04.65	35.03	27.76	00.635	1482.8							
	OBS	00821	04.61	35.024	27.76		1483.0							
	OBS	00876	04.51	35.024	27.77		1483.5							
	STD	00900	04.48	35.02	27.77	00.678	1483.8							
	OBS	00967	04.41	35.015	27.78		1484.6							
	STD	01000	04.37	35.01	27.78	00.722	1485.0							
	OBS	01082	04.29	35.004	27.78		1486.0							
	STD	01100	04.28	35.00	27.78	00.765	1486.2							
	OBS	01162	04.23	34.994	27.78		1487.1							
	OBS	01184	04.21	34.992	27.78		1487.4							
	STD	01200	04.20	34.9[illegible]	27.78	00.810	1487.6							
	OBS	01201	04.20	34.9[illegible]	27.78		1487.6							
	OBS	01214	04.18	34.[illegible]	27.78		1487.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

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REFID  31  8296     YEAR 1972    BOTDP 00073    AIR TEMP   10.0    DIR HGT PER    WIND-DIR 23    INST STD RECORDER      TEN SQ 1307
CONSEC     0133     MONTH  06    SHIP EV        WET BULB   10.0     18  3   2     WIND-SPD 12    TRACE DIR        0     5 SQUARE  1
LAT    43 30  N     DAY    08    DATA USE  1    BAROMETR 1013.2    SEA            WIND-FOR       DURATION      03.1     2 SQUARE 29
LONG  050 00  W     HOUR 02.2    AREA     05    CLOUD T/A          CL/TR          WEATHER  X5    ORIG TIP 111            1 SQUARE 30

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4   TOT P    NO2    NO3    SI03    PH

               STD      00000    06.22    32.86      25.86     00.000   1473.1
        02.2   OBS      00000    06.22    32.865     25.86              1473.1
               OBS      00008    06.21    32.961     25.86              1473.2
               STD      00010    06.21    32.86      25.86     00.021   1473.3
               OBS      00014    06.22    32.863     25.86              1473.4
               OBS      00018    06.22    32.868     25.86              1473.4
               STD      00020    06.12    32.79      25.82 *   00.043   1473.0
               OBS      00023    05.32    32.686     25.83              1469.6
               OBS      00027    03.58    32.693     26.02              1462.2
               STD      00030    03.00    32.77      26.13     00.064   1460.1
               OBS      00034    02.24    32.845     26.25              1456.9
               OBS      00039    01.68    32.933     26.28              1454.5
               OBS      00043    01.50    32.842     26.30              1453.8
               OBS      00048    01.18    32.861     26.34              1452.5
               STD      00050    01.05    32.89      26.37     00.099   1452.0
               OBS      00052    00.86    32.930     26.41              1451.2
               OBS      00057    00.69    32.917     26.41              1450.5
               OBS      00062    00.42    32.990     26.49              1449.4

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REFID  31  8296     YEAR 1972    BOTDP 00062    AIR TEMP   10.0    DIR HGT PER    WIND-DIR 23    INST STD RECORDER      TEN SQ 1306
CONSEC     0134     MONTH  06    SHIP EV        WET BULB   10.0     18  2   2     WIND-SPD 12    TRACE DIR        0     5 SQUARE  2
LAT    43 20  N     DAY    09    DATA USE  1    BAROMETR 1013.2    SEA            WIND-FOR       DURATION      00.1     2 SQUARE 28
LONG  049 37.5W     HOUR 05.0    AREA     05    CLOUD T/A          CL/TR          WEATHER  X5    ORIG TIP 111            1 SQUARE 39

 CASTNUM/TIME  LVLTYP   DEPTH     TEMP      SAL      SIGMA-T   DYNDPTH   SND VEL   OXYG    PO4   TOT P    NO2    NO3    SI03    PH

               STD      00000    08.71    32.91      25.55     00.000   1482.9
        05.0   OBS      00000    08.71    32.915     25.55              1482.9
               OBS      00005    08.72    32.915     25.55              1483.0
               STD      00010    08.71    32.91      25.55     00.024   1483.1
               OBS      00010    08.71    32.915     25.55              1483.1
               OBS      00013    08.72    32.915     25.55              1483.2
               STD      00020    05.85    32.79      25.85     00.047   1471.9
               OBS      00028    03.09    32.627     26.01              1460.2
               STD      00030    02.63    32.72      26.12     00.068   1458.4
               OBS      00033    01.89    32.866     26.29              1455.4
               OBS      00036    01.81    32.887     26.32              1455.1
               OBS      00039    01.57    32.824     26.28 *            1454.0
               OBS      00041    01.27    32.902     26.37              1452.8
               OBS      00045    01.05    32.954     26.42              1452.0

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—*Continued*

REFID 31 8296	YEAR 1972	BOTDP 00207	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0135	MONTH 06	SHIP EV	WET BULB 09.4	18 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 43 09.5N	DAY 08	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 03.1	2 SQUARE 28
LONG 049 32 W	HOUR 06.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	07.99	32.91	25.66	00.000	1480.2							
06.6	OBS	00000	07.99	32.915	25.66		1480.2							
	STD	00010	07.99	32.92	25.67	00.023	1480.3							
	OBS	00010	07.99	32.920	25.67		1480.4							
	OBS	00012	07.98	32.917	25.66		1480.3							
	OBS	00019	07.87	32.852	25.63 •		1479.9							
	STD	00020	07.82	32.86	25.64	00.047	1479.8							
	OBS	00023	06.45	32.946	25.90		1474.6							
	OBS	00028	03.16	32.921	26.24		1460.9							
	STD	00030	02.96	32.90	26.24	00.068	1460.1							
	OBS	00043	01.44	32.843	26.31		1453.5							
	STD	00050	00.81	32.95	26.43	00.102	1451.0							
	OBS	00053	00.61	32.969	26.46		1450.1							
	OBS	00059	00.50	32.939	26.44		1449.7							
	OBS	00067	00.33	32.979	26.48		1449.1							
	STD	00075	00.03	33.02	26.53	00.141	1447.9							
	OBS	00075	00.01	33.023	26.53		1447.8							
	OBS	00081	- 0.11	32.984	26.51		1447.3							
	OBS	00086	- 0.31	33.058	26.58		1446.6							
	OBS	00096	- 0.52	33.047	26.58		1445.8							
	STD	00100	- 0.63	33.07	26.60	00.177	1445.4							
	OBS	00101	- 0.67	33.077	26.61		1445.2							
	OBS	00107	- 0.90	33.134	26.66		1444.3							
	OBS	00111	- 0.93	33.150	26.67		1444.3							
	OBS	00117	- 0.97	33.174	26.69		1444.2							
	OBS	00124	- 0.97	33.195	26.71		1444.3							
	STD	00125	- 1.00	33.21	26.73	00.212	1444.2							
	OBS	00129	- 1.08	33.265	26.77		1444.0							
	OBS	00132	- 1.06	33.264	26.77		1444.1							
	OBS	00139	- 1.11	33.287	26.79		1444.1							
	OBS	00144	- 1.11	33.342	26.84		1444.2							
	OBS	00149	- 1.11	33.355	26.85		1444.3							
	STD	00150	- 1.11	33.36	26.85	00.244	1444.3							
	OBS	00153	- 1.10	33.360	26.85		1444.4							
	OBS	00158	- 1.09	33.367	26.85		1444.6							
	OBS	00163	- 1.08	33.387	26.87		1444.7							
	OBS	00168	- 1.06	33.395	26.88		1444.9							
	OBS	00173	- 1.00	33.444	26.91		1445.4							
	OBS	00178	- 0.97	33.445	26.91		1445.6							
	OBS	00184	- 0.96	33.446	26.91		1445.7							
	OBS	00189	- 0.95	33.458	26.92		1445.9							
	OBS	00193	- 0.93	33.462	26.93		1446.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296 YEAR 1972 BOTDP 00814 AIR TEMP 07.8 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0136 MONTH 06 SHIP EV WET BULB 07.2 19 3 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2
LAT 43 31.5N DAY 08 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
LONG 049 28 W HOUR 08.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG IIP 111 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	05.51	32.90	25.98	00.000	1470.3							
08.0	OBS	00000	05.51	32.900	25.98		1470.3							
	OBS	00007	05.51	32.900	25.98		1470.4							
	STD	00010	05.46	32.90	25.98	00.020	1470.3							
	OBS	00010	05.46	32.900	25.98		1470.3							
	OBS	00010	05.50	32.899	25.98		1470.4							
	OBS	00013	05.49	32.874	25.96		1470.4							
	OBS	00015	05.47	32.900	25.98		1470.4							
	OBS	00018	05.46	32.899	25.98		1470.4							
	STD	00020	05.45	32.89	25.98	00.041	1470.4							
	OBS	00021	05.45	32.893	25.98		1470.4							
	OBS	00023	05.45	32.897	25.98		1470.4							
	OBS	00026	05.29	33.030	26.10		1470.0							
	STD	00030	04.01	33.03	26.24	00.060	1464.7							
	OBS	00030	04.01	33.027	26.24		1464.7							
	OBS	00036	01.09	32.859	26.34		1451.9							
	OBS	00038	00.82	32.897	26.39		1450.7							
	OBS	00041	00.72	32.991	26.47		1450.5							
	OBS	00044	00.64	32.964	26.45		1450.1							
	OBS	00047	00.24	33.005	26.51		1448.4							
	STD	00050	00.10	33.03	26.54	00.093	1447.8							
	OBS	00052	- 0.07	33.042	26.55		1447.1							
	OBS	00057	- 0.38	33.000	26.53		1445.7							
	OBS	00061	- 0.47	33.030	26.56		1445.4							
	OBS	00070	- 0.81	33.072	26.61		1444.0							
	OBS	00073	- 0.82	33.100	26.63		1444.1							
	STD	00075	- 0.86	33.11	26.64	00.129	1443.9							
	OBS	00078	- 0.94	33.136	26.66		1443.6							
	OBS	00084	- 0.92	33.144	26.67		1443.9							
	OBS	00092	- 0.95	33.117	26.65		1443.8							
	OBS	00093	- 0.96	33.148	26.67		1443.8							
	OBS	00099	- 1.04	33.154	26.68		1443.5							
	STD	00100	- 1.04	33.16	26.69	00.164	1443.5							
	OBS	00105	- 1.09	33.205	26.72		1443.5							
	OBS	00111	- 1.14	33.192	26.71		1443.3							
	OBS	00117	- 1.21	33.215	26.74		1443.1							
	OBS	00122	- 1.25	33.257	26.77		1443.1							
	STD	00125	- 1.27	33.27	26.78	00.197	1443.1							
	OBS	00127	- 1.28	33.274	26.79		1443.0							
	OBS	00134	- 1.30	33.285	26.79		1443.1							
	OBS	00140	- 1.31	33.312	26.82		1443.2							
	OBS	00143	- 1.28	33.342	26.84		1443.4							
	OBS	00148	- 1.21	33.363	26.86		1443.9							
	STD	00150	- 1.20	33.37	26.86	00.227	1443.9							
	OBS	00155	- 1.17	33.391	26.88		1444.2							
	OBS	00161	- 1.14	33.406	26.89		1444.5							
	OBS	00169	- 1.09	33.417	26.90		1444.8							
	OBS	00174	- 1.06	33.440	26.91		1445.1							
	OBS	00183	- 1.02	33.451	26.92		1445.4							
	OBS	00198	- 0.90	33.514	26.97		1446.3							
	STD	00200	- 0.90	33.52	26.97	00.284	1446.4							
	OBS	00210	- 0.82	33.529	26.98		1446.9							
	OBS	00219	- 0.68	33.629	27.05		1447.9							
	OBS	00234	- 0.52	33.660	27.07		1448.9							
	OBS	00243	- 0.44	33.669	27.07		1449.4							
	OBS	00249	- 0.43	33.694	27.09		1449.6							
	STD	00250	- 0.42	33.70	27.10	00.336	1449.7							
	OBS	00259	- 0.32	33.768	27.15		1450.4							
	OBS	00268	- 0.17	33.785	27.16		1451.3							
	OBS	00274	- 0.15	33.786	27.16		1451.4							
	OBS	00293	00.28	33.961	27.27		1454.0							
	STD	00300	00.29	33.98	27.29	00.380	1454.2							
	OBS	00324	00.90	34.174	27.41		1457.6							
	OBS	00338	01.67	34.365	27.51		1461.5							
	OBS	00348	01.99	34.399	27.51		1463.1							
	OBS	00372	02.74	34.641	27.64		1467.1							
	STD	00400	03.22	34.78	27.71	00.440	1469.8							
	OBS	00415	03.42	34.828	27.73		1471.0							
	OBS	00453	03.71	34.81 P	27.690									
	OBS	00477	03.87	34.868	27.70		1474.0							
	STD	00500	03.97	34.88	27.72	00.483	1474.8							
	OBS	00511	04.01	34.896	27.72		1475.2							
	OBS	00552	04.06	34.905	27.73		1476.1							
	OBS	00575	04.07	34.910	27.73		1476.5							
	STD	00600	04.06	34.92	27.74	00.526	1476.9							
	OBS	00606	04.06	34.926	27.74		1477.0							
	OBS	00658	04.06	34.933	27.75		1477.9							
	OBS	00680	04.06	34.931	27.75		1478.3							
	STD	00700	04.06	34.93	27.75	00.569	1478.6							
	OBS	00708	04.06	34.932	27.75		1478.7							
	OBS	00753	04.06	34.934	27.75		1479.5							
	OBS	00782	04.06	34.936	27.75		1480.0							
	OBS	00787	04.07	34.935	27.75		1480.1							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31-8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01917	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0138	MONTH 05	SHIP EV	WET BULB 08.3	19 3 2	WIND-SPD 23	TRACE DIR 3	5 SQUARE 2
LAT 42 42 N	DAY 08	DATA USE 1	BAROMETR 1015.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 049 18-5W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER 56	ORIG IIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	PH
	STD	00000	01.10	32.39	25.97	00.000	1450.7							
11.6	OBS	00000	01.10	32.390	25.97		1450.7							
	STD	00010	01.10	32.39	25.97	00.020	1450.8							
	OBS	00010	01.10	32.390	25.97		1450.8							
	OBS	00019	00.73	32.402	26.00		1449.3							
	STD	00020	00.72	32.40	25.99	00.041	1449.3							
	OBS	00023	00.65	32.384	25.99		1449.0							
	OBS	00028	00.51	32.370	25.98		1448.4							
	STD	00030	00.47	32.34	25.97	00.061	1448.2							
	OBS	00030	00.37	32.334	25.96		1447.8							
	OBS	00032	00.05	32.419	26.05		1446.5							
	OBS	00036	- 0.28	32.626	26.23		1445.3							
	OBS	00041	- 0.09	32.604	26.20		1446.2							
	OBS	00043	- 0.52	32.564	26.19		1446.2							
	OBS	00044	- 0.87	32.802	26.39		1442.9							
	OBS	00044	- 1.29	32.826	26.42		1441.1							
	STD	00050	- 1.30	32.85	26.44	00.098	1441.1							
	OBS	00054	- 1.49	32.907	26.49		1440.3							
	OBS	00056	- 1.60	32.995	26.57		1440.0							
	OBS	00065	- 1.68	33.028	26.60		1439.8							
	STD	00075	- 1.42	33.20	26.73	00.134	1441.4							
	OBS	00078	- 1.41	33.236	26.76		1441.6							
	OBS	00083	- 1.48	33.270	26.79		1441.4							
	OBS	00089	- 1.49	33.292	26.81		1441.5							
	STD	00100	- 1.48	33.36	26.86	00.166	1441.7							
	OBS	00101	- 1.48	33.364	26.86		1441.8							
	OBS	00121	- 1.23	33.489	26.96		1443.5							
	STD	00125	- 1.16	33.56	27.02	00.194	1444.0							
	OBS	00134	- 0.92	33.710	27.13		1445.5							
	STD	00150	- 0.31	33.83	27.20	00.218	1448.7							
	OBS	00154	- 0.09	33.848	27.20		1449.8							
	OBS	00160	00.20	33.854	27.19		1451.3							
	OBS	00190	00.55	33.977	27.27		1453.5							
	STD	00200	00.45	33.99	27.29	00.259	1453.3							
	OBS	00209	00.45	33.995	27.29		1453.3							
	OBS	00213	00.46	34.003	27.30		1453.5							
	OBS	00233	00.50	34.009	27.30		1454.1							
	STD	00250	00.58	34.05	27.33	00.298	1454.8							
	OBS	00251	00.59	34.056	27.33		1454.8							
	OBS	00271	00.65	34.054	27.33		1455.4							
	OBS	00293	00.87	34.137	27.38		1456.9							
	STD	00300	00.93	34.15	27.39	00.334	1457.3							
	OBS	00308	01.05	34.172	27.40		1458.0							
	OBS	00351	02.37	34.514	27.57		1465.0							
	STD	00400	03.13	34.66	27.62	00.395	1469.3							
	OBS	00410	03.21	34.680	27.63		1469.8							
	OBS	00440	03.29	34.725	27.66		1470.7							
	OBS	00456	03.42	34.748	27.67		1471.6							
	OBS	00474	03.46	34.755	27.67		1472.1							
	OBS	00497	03.59	34.796	27.69		1473.0							
	STD	00500	03.63	34.80	27.69	00.443	1473.3							
	OBS	00511	03.76	34.821	27.69		1474.0							
	OBS	00539	03.91	34.846	27.69		1475.2							
	STD	00600	04.16	34.90	27.71	00.489	1477.3							
	OBS	00607	04.19	34.908	27.71		1477.6							
	OBS	00670	04.40	34.934	27.71		1479.5							
	STD	00700	04.38	34.95	27.73	00.534	1480.0							
	OBS	00706	04.38	34.956	27.73		1480.1							
	STD	00800	04.33	34.96	27.74	00.579	1481.4							
	OBS	00810	04.32	34.965	27.75		1481.5							
	OBS	00824	04.34	34.969	27.75		1481.9							
	STD	00900	04.17	34.96	27.76	00.623	1482.4							
	OBS	00963	04.16	34.952	27.75		1483.4							
	OBS	00996	04.20	34.963	27.76		1484.1							
	STD	01000	04.20	34.96	27.76	00.667	1484.2							
	OBS	01034	04.21	34.967	27.76		1484.8							
	OBS	01043	04.21	34.964	27.76		1485.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BUTDP 02021	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0139	MONTH 06	SHIP EV	WET BULB 08.9	15 3 3	WIND-SPD 13	TRACE DIR 3	5 SQUARE 2
LAT 42 45.0N	DAY 09	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 20.0W	HOUR 20.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP.	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.95	32.53	26.03	00.000	1454.7							
20.4	OBS	00000	01.95	32.535	26.03		1454.7							
	STD	00010	01.91	32.53	26.02	00.020	1454.6							
	OBS	00010	01.91	32.530	26.02		1454.6							
	STD	00020	- 0.16	32.58	26.19	00.039	1445.5							
	STD	00030	- 0.41	32.58	26.20	00.057	1444.5							
	OBS	00030	- 0.41	32.585	26.20		1444.5							
	OBS	00032	- 0.24	32.580	26.19		1445.4							
	STD	00050	- 1.53	32.93	26.51	00.091	1440.1							
	OBS	00050	- 1.53	32.930	26.51		1440.1							
	OBS	00058	- 1.64	33.010	26.58		1439.8							
	STD	00075	- 1.49	33.34	26.84	00.125	1441.3							
	OBS	00075	- 1.49	33.340	26.84		1441.3							
	STD	00100	- 1.23	33.49	26.96	00.154	1443.1							
	OBS	00100	- 1.23	33.495	26.96		1443.1							
	STD	00125	01.33	33.87	27.14	00.179	1455.8							
	OBS	00125	01.33	33.870	27.14		1455.8							
	STD	00150	01.43	33.90	27.15	00.203	1456.7							
	OBS	00150	01.43	33.900	27.15		1456.7							
	OBS	00182	01.94	34.020	27.21		1459.7							
	OBS	00191	00.98	34.170	27.40		1455.7							
	STD	00200	01.11	34.17	27.40	00.243	1456.5							
	OBS	00200	01.11	34.175	27.40		1456.5							
	STD	00250	01.14	34.20	27.42	00.277	1457.5							
	OBS	00250	01.14	34.200	27.42		1457.5							
	STD	00300	01.97	34.45	27.56	00.308	1462.3							
	OBS	00300	01.97	34.450	27.56		1462.3							
	STD	00400	04.77	34.94	27.67	00.360	1476.6							
	OBS	00435	04.97	34.980	27.68		1478.0							
	OBS	00470	04.77	34.960	27.69		1477.8							
	OBS	00485	04.94	35.020	27.72		1478.8							
	STD	00500	04.84	35.01	27.72	00.406	1478.6							
	OBS	00500	04.84	35.010	27.72		1478.6							
	OBS	00560	04.58	34.980	27.73		1478.5							
	STD	00600	04.57	34.99	27.74	00.449	1479.1							
	OBS	00600	04.57	34.990	27.74		1479.1							
	OBS	00635	04.54	34.995	27.75		1479.6							
	OBS	00650	04.41	34.970	27.74		1479.3							
	STD	00700	04.32	34.97	27.75	00.492	1479.7							
	OBS	00700	04.32	34.975	27.75		1479.7							
	OBS	00735	04.23	34.955	27.75		1479.9							
	OBS	00790	04.28	34.960	27.75		1481.0							
	STD	00800	04.24	34.96	27.75	00.536	1481.0							
	OBS	00800	04.24	34.960	27.75		1481.0							
	OBS	00860	04.23	34.970	27.76		1482.0							
	STD	00900	04.13	34.96	27.77	00.579	1482.2							
	OBS	00900	04.13	34.965	27.77		1482.2							
	STD	01000	04.04	34.95	27.76	00.623	1483.5							
	OBS	01000	04.04	34.950	27.76		1483.5							
	STD	01100	04.01	34.95	27.77	00.667	1485.1							
	OBS	01100	04.01	34.950	27.77		1485.1							
	OBS	01180	04.03	34.960	27.77		1486.5							
	STD	01200	03.96	34.94	27.76	00.712	1486.5							
	OBS	01200	03.96	34.940	27.76		1486.5							
	STD	01300	03.98	34.96	27.78	00.758	1488.3							
	OBS	01300	03.98	34.960	27.78		1488.3							
	OBS	01335	03.98	34.950	27.77		1488.9							
	STD	01400	03.91	34.95	27.78	00.803	1489.7							
	OBS	01400	03.91	34.950	27.78		1489.7							
	STD	01500	03.87	34.94	27.78	00.850	1491.2							
	OBS	01500	03.87	34.945	27.78		1491.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02248	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0140	MONTH 06	SHIP EV	WET BULB 09.3	16 3 3	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 42 44.0N	DAY 09	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 28
LONG 049 30.0W	HOUR 22.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG IIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.68	32.44	25.97	00.000	1453.3							
22.3	OBS	00000	01.68	32.440	25.97		1453.3							
	STD	00010	01.68	32.43	25.96	00.020	1453.5							
	OBS	00010	01.68	32.435	25.96		1453.5							
	STD	00020	01.32	32.46	26.01	00.041	1452.1							
	OBS	00020	01.32	32.465	26.01		1452.1							
	STD	00030	- 0.28	32.43	26.07	00.061	1444.9							
	OBS	00030	- 0.28	32.430	26.07		1444.9							
	STD	00050	- 1.35	33.02	26.59	00.095	1441.1							
	OBS	00050	- 1.35	33.025	26.59		1441.1							
	OBS	00056	- 1.56	33.290	26.81		1440.6							
	STD	00075	- 1.36	33.35	26.85	00.128	1441.9							
	OBS	00075	- 1.36	33.350	26.85		1441.9							
	OBS	00079	- 1.31	33.350	26.85		1442.2							
	STD	00100	- 1.29	33.38	26.87	00.158	1442.7							
	OBS	00100	- 1.29	33.380	26.87		1442.7							
	OBS	00114	- 1.37	33.390	26.88		1442.6							
	STD	00125	- 1.20	33.43	26.91	00.187	1443.6							
	OBS	00125	- 1.20	33.435	26.91		1443.6							
	STD	00150	- 0.94	33.54	26.99	00.214	1445.4							
	OBS	00150	- 0.94	33.540	26.99		1445.4							
	STD	00200	- 0.46	33.67	27.08	00.266	1448.6							
	OBS	00200	- 0.46	33.670	27.08		1448.6							
	STD	00250	00.02	33.83	27.18	00.313	1451.9							
	OBS	00250	00.02	33.830	27.18		1451.9							
	OBS	00262	00.30	33.990	27.30		1453.6							
	STD	00300	00.72	34.07	27.34	00.354	1456.2							
	OBS	00300	00.72	34.070	27.34		1456.2							
	OBS	00315	01.24	34.080	27.31		1458.8							
	OBS	00330	00.21	34.120	27.41		1454.5							
	OBS	00332	00.13	34.220	27.49		1454.3							
	ST	00400	02.37	34.56	27.61	00.417	1465.9							
	OBS	00400	02.37	34.560	27.61		1465.9							
	OBS	00480	03.75	34.805	27.68		1473.5							
	STD	00500	03.82	34.81	27.68	00.466	1474.1							
	OBS	00500	03.82	34.810	27.68		1474.1							
	STD	00600	04.04	34.88	27.71	00.512	1476.8							
	OBS	00600	04.04	34.880	27.71		1476.8							
	OBS	00640	04.07	34.900	27.72		1477.6							
	STD	00700	04.08	34.91	27.73	00.557	1478.6							
	OBS	00700	04.08	34.910	27.73		1478.6							
	STD	00800	04.09	34.92	27.74	00.602	1480.4							
	OBS	00800	04.09	34.925	27.74		1480.4							
	STD	00900	04.08	34.93	27.74	00.647	1482.0							
	OBS	00900	04.08	34.930	27.74		1482.0							
	STD	01000	04.08	34.94	27.75	00.692	1483.7							
	OBS	01000	04.08	34.940	27.75		1483.7							
	STD	01100	04.09	34.94	27.75	00.738	1485.4							
	OBS	01100	04.09	34.940	27.75		1485.4							
	STD	01200	04.09	34.94	27.75	00.784	1487.1							
	OBS	01200	04.09	34.945	27.75		1487.1							
	STD	01300	04.04	34.94	27.76	00.831	1488.5							
	OBS	01300	04.04	34.945	27.76		1488.5							
	STD	01400	03.99	34.94	27.76	00.879	1490.[illegible]							
	OBS	01400	03.99	34.940	27.76		1490.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01813	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0141	MONTH 06	SHIP EV	WET BULB 10.0	16 3 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 42 53.0N	DAY 09	DATA USE 1	BAROMETR 1014.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 049 38.0W	HOUR 00.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG TEP III	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.59	32.90	26.18	00.000	1462.3							
00.5	OBS	00000	03.59	32.905	26.18		1462.3							
	STD	00010	03.59	32.90	26.18	00.018	1462.5							
	OBS	00010	03.59	32.905	26.18		1462.5							
	STD	00020	00.97	32.82	26.32	00.036	1451.0							
	OBS	00020	00.97	32.820	26.32		1451.0							
	STD	00030	- 0.48	32.78	26.36	00.053	1444.5							
	OBS	00030	- 0.48	32.780	26.36		1444.5							
	STD	00050	- 1.03	33.09	26.63	00.084	1442.7							
	OBS	00050	- 1.03	33.095	26.63		1442.7							
	OBS	00060	- 1.28	33.180	26.71		1441.8							
	STD	00075	- 1.28	33.29	26.80	00.117	1442.2							
	OBS	00075	- 1.28	33.290	26.80		1442.2							
	STD	00100	- 1.18	33.35	26.85	00.148	1443.2							
	OBS	00100	- 1.18	33.355	26.85		1443.2							
	STD	00125	- 0.99	33.44	26.91	00.177	1444.6							
	OBS	00125	- 0.99	33.440	26.91		1444.6							
	STD	00150	- 0.78	33.52	26.97	00.205	1446.1							
	OBS	00150	- 0.78	33.520	26.97		1446.1							
	STD	00200	- 0.53	33.58	27.01	00.259	1448.2							
	OBS	00200	- 0.53	33.580	27.01		1448.2							
	OBS	00210	- 0.35	33.635	27.04		1449.3							
	STD	00250	- 0.23	33.66	27.06	00.311	1450.5							
	OBS	00250	- 0.23	33.665	27.06		1450.5							
	OBS	00270	- 0.31	33.690	27.09		1450.5							
	STD	00300	- 0.08	33.79	27.16	00.358	1452.2							
	OBS	00300	- 0.08	33.795	27.16		1452.2							
	OBS	00360	00.72	34.075	27.34		1457.2							
	OBS	00394	00.85	34.100	27.35		1458.4							
	STD	00400	01.12	34.21	27.42	00.437	1459.9							
	OBS	00400	01.12	34.210	27.42		1459.9							
	OBS	00440	03.98	34.680	27.56		1473.6							
	OBS	00450	03.95	34.680	27.56		1473.6							
	OBS	00490	05.24	34.920	27.60		1480.0							
	STD	00500	05.09	34.93	27.63	00.498	1479.5							
	OBS	00500	05.09	34.930	27.63		1479.5							
	OBS	00540	04.97	34.925	27.64		1479.7							
	OBS	00580	04.23	34.850	27.66		1477.2							
	OBS	00592	04.20	34.875	27.69		1477.3							
	STD	00600	04.35	34.90	27.69	00.548	1478.1							
	OBS	00600	04.35	34.900	27.69		1478.1							
	OBS	00614	04.44	34.890	27.67		1478.7							
	OBS	00627	04.42	34.880	27.67		1478.8							
	OBS	00650	04.11	34.850	27.68		1477.8							
	STD	00700	04.20	34.90	27.71	00.595	1479.1							
	OBS	00700	04.20	34.900	27.71		1479.1							
	STD	00800	04.13	34.91	27.72	00.642	1480.5							
	OBS	00800	04.13	34.910	27.72		1480.5							
	OBS	00845	04.12	34.910	27.72		1481.2							
	OBS	00853	04.21	34.940	27.74		1481.8							
	STD	00900	04.10	34.91	27.73	00.688	1482.0							
	OBS	00900	04.10	34.910	27.73		1482.0							
	STD	01000	04.11	34.93	27.74	00.735	1483.8							
	OBS	01000	04.11	34.930	27.74		1483.8							
	STD	01100	04.12	34.93	27.74	00.782	1485.5							
	OBS	01100	04.12	34.930	27.74		1485.5							
	STD	01200	04.04	34.92	27.74	00.829	1486.8							
	OBS	01200	04.04	34.925	27.74		1486.8							
	STD	01300	04.00	34.92	27.74	00.877	1488.3							
	OBS	01300	04.00	34.920	27.74		1488.3							
	STD	01400	03.95	34.91	27.75	00.926	1489.8							
	OBS	01400	03.95	34.915	27.75		1489.8							
	STD	01500	03.86	34.91	27.75	00.975	1491.1							
	OBS	01500	03.96	34.910	27.75		1491.1							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01660	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0142	MONTH 06	SHIP EV	WET BULB 08.3	18 1 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 42 49.0N	DAY 09	DATA USE 1	BAROMETR 1013.9	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 28
LONG 049 26.0W	HOUR 02.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	01.66	32.57	26.08	00.000	1453.4							
02.8	OBS	00000	01.66	32.575	26.08		1453.4							
	OBS	00008	01.66	32.630	26.12		1453.6							
	STD	00010	01.73	32.70	26.17	00.019	1454.1							
	OBS	00010	01.73	32.700	26.17		1454.1							
	STD	00020	00.22	32.72	26.28	00.037	1447.5							
	OBS	00020	00.22	32.720	26.28		1447.5							
	STD	00030	- 1.12	33.04	26.59	00.053	1441.9							
	OBS	00030	- 1.12	33.040	26.59		1441.9							
	OBS	00035	- 1.29	33.130	26.67		1441.3							
	OBS	00040	- 1.09	33.250	26.76		1442.5							
	STD	00050	- 1.18	33.22	26.74	00.081	1442.2							
	OBS	00050	- 1.18	33.225	26.74		1442.2							
	OBS	00060	- 1.29	33.245	26.76		1441.8							
	STD	00075	- 1.26	33.32	26.83	00.112	1442.3							
	OBS	00075	- 1.26	33.325	26.83		1442.3							
	STD	00100	- 1.24	33.38	26.87	00.142	1442.9							
	OBS	00100	- 1.24	33.385	26.87		1442.9							
	STD	00125	- 0.88	33.49	26.95	00.171	1445.2							
	OBS	00125	- 0.88	33.490	26.95		1445.2							
	STD	00150	- 0.68	33.56	27.00	00.198	1446.6							
	OBS	00150	- 0.68	33.560	27.00		1446.6							
	STD	00200	- 0.25	33.73	27.11	00.249	1449.7							
	OBS	00200	- 0.25	33.730	27.11		1449.7							
	STD	00250	00.08	33.86	27.20	00.294	1452.2							
	OBS	00250	00.09	33.860	27.20		1452.2							
	STD	00300	00.50	34.02	27.31	00.335	1455.2							
	OBS	00300	00.50	34.025	27.31		1455.2							
	STD	00400	02.72	34.57	27.59	00.400	1467.4							
	OBS	00400	02.72	34.575	27.59		1467.4							
	STD	00500	03.74	34.79	27.67	00.451	1473.7							
	OBS	00500	03.74	34.795	27.67		1473.7							
	OBS	00550	03.97	34.850	27.69		1475.6							
	STD	00600	04.09	34.88	27.70	00.497	1477.0							
	OBS	00600	04.09	34.880	27.70		1477.0							
	STD	00700	04.11	34.90	27.72	00.543	1478.7							
	OBS	00700	04.11	34.905	27.72		1478.7							
	STD	00800	04.13	34.91	27.73	00.589	1480.5							
	OBS	00800	04.13	34.915	27.73		1480.5							
	STD	00900	04.10	34.92	27.73	00.635	1482.1							
	OBS	00900	04.10	34.920	27.73		1482.1							
	STD	01000	04.08	34.93	27.74	00.681	1483.6							
	OBS	01000	04.08	34.930	27.74		1483.6							
	STD	01100	04.07	34.93	27.74	00.727	1485.3							
	OBS	01100	04.07	34.930	27.74		1485.3							
	STD	01200	04.03	34.93	27.75	00.774	1486.8							
	OBS	01200	04.03	34.935	27.75		1486.8							
	STD	01300	03.99	34.93	27.76	00.821	1488.3							
	OBS	01300	03.99	34.935	27.76		1488.3							
	STD	01400	03.85	34.93	27.77	00.868	1489.4							
	OBS	01400	03.85	34.930	27.77		1489.4							
	STD	01500	03.77	34.93	27.78	00.915	1490.7							
	OBS	01500	03.77	34.930	27.78		1490.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02562	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0143	MONTH 06	SHIP EV	WET BULB 10.0	18 1 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 42 29.0N	DAY 10	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 049 47.5W	HOUR 18.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG TIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI03	PH
	STD	00000	03.22	32.61	25.98	00.000	1460.3							
18.6	OBS	00000	03.22	32.610	25.98		1460.3							
	STD	00010	02.69	32.62	26.04	00.020	1458.2							
	OBS	00010	02.69	32.620	26.04		1458.2							
	STD	00020	02.46	32.71	26.13	00.039	1457.5							
	OBS	00020	02.46	32.710	26.13		1457.5							
	STD	00030	01.97	32.69	26.15	00.058	1455.5							
	OBS	00030	01.97	32.690	26.15		1455.5							
	STD	00050	01.43	32.83	26.30	00.094	1453.6							
	OBS	00050	01.43	32.830	26.30		1453.6							
	STD	00075	- 1.18	32.95	26.52	00.135	1442.2							
	OBS	00075	- 1.18	32.955	26.52		1442.2							
	STD	00100	- 1.50	33.22	26.75	00.170	1441.5							
	OBS	00111	- 1.64	33.310	26.82		1441.1							
	STD	00125	- 1.40	33.39	26.88	00.201	1442.6							
	OBS	00125	- 1.40	33.390	26.88		1442.6							
	OBS	00134	- 1.44	33.380	26.88		1442.6							
	STD	00150	- 1.20	33.43	26.91	00.230	1444.0							
	OBS	00150	- 1.20	33.430	26.91		1444.0							
	OBS	00159	- 1.13	33.420	26.90		1444.5							
	OBS	00173	- 1.15	33.475	26.94		1444.7							
	OBS	00193	- 1.04	33.535	26.99		1445.6							
	STD	00200	- 0.91	33.60	27.04	00.284	1446.4							
	OBS	00200	- 0.91	33.600	27.04		1446.4							
	STD	00250	00.71	33.95	27.25	00.331	1455.2							
	OBS	00250	00.71	33.955	27.25		1455.2							
	OBS	00278	01.47	34.070	27.29		1459.2							
	STD	00300	00.57	34.05	27.33	00.370	1455.5							
	OBS	00300	00.57	34.055	27.33		1455.5							
	STD	00400	01.93	34.39	27.51	00.438	1463.7							
	OBS	00400	01.93	34.390	27.51		1463.7							
	STD	00500	03.22	34.68	27.63	00.493	1471.4							
	OBS	00500	03.22	34.680	27.63		1471.4							
	STD	00600	04.40	34.97	27.74	00.540	1478.4							
	OBS	00600	04.40	34.970	27.74		1478.4							
	STD	00700	04.57	34.97	27.72	00.584	1480.7							
	OBS	00700	04.57	34.970	27.72		1480.7							
	OBS	00725	04.44	34.970	27.74		1480.6							
	OBS	00753	04.44	34.970	27.74		1481.1							
	STD	00800	04.31	34.95	27.74	00.630	1481.3							
	OBS	00800	04.31	34.955	27.74		1481.3							
	OBS	00835	04.22	34.950	27.74		1481.5							
	OBS	00888	04.28	34.960	27.75		1482.7							
	STD	00900	04.25	34.96	27.75	00.675	1482.7							
	OBS	00900	04.25	34.960	27.75		1482.7							
	STD	01000	04.20	34.96	27.75	00.720	1484.2							
	OBS	01000	04.20	34.960	27.75		1484.2							
	STD	01100	04.10	34.95	27.76	00.765	1485.4							
	OBS	01100	04.10	34.950	27.76		1485.4							
	STD	01200	04.03	34.94	27.76	00.811	1486.8							
	OBS	01200	04.03	34.945	27.76		1486.8							
	STD	01300	03.95	34.94	27.77	00.858	1488.1							
	OBS	01300	03.95	34.940	27.77		1488.1							
	OBS	01319	03.96	34.985	27.80		1488.6							
	OBS	01330	04.08	34.970	27.78		1489.2							
	OBS	01360	04.11	34.975	27.78		1489.9							
	STD	01400	04.09	34.97	27.77	00.904	1490.4							
	OBS	01400	04.09	34.970	27.77		1490.4							
	STD	01500	04.01	34.96	27.78	00.951	1491.8							
	OBS	01500	04.01	34.965	27.78		1491.8							
	OBS	01509	04.00	34.965	27.78		1491.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00322	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1307
CONSEC 0144	MONTH 06	SHIP EV	WET BULB 10.0	18 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 1
LAT 42 48.5N	DAY 10	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 20
LONG 050 00.5W	HOUR 21.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	11.31	33.05	25.23	00.000	1492.6							
21.5	OBS	00000	11.31	33.055	25.23		1492.6							
	STD	00010	09.37	32.61	25.21	00.028	1485.2							
	STD	00020	05.97	32.59	25.68	00.053	1472.1							
	OBS	00020	05.97	32.590	25.68		1472.1							
	STD	00030	01.10	32.99	26.45	00.073	1457.0							
	OBS	00030	01.10	32.990	26.45		1457.0							
	OBS	00035	01.57	33.090	26.50		1454.3							
	STD	00050	- 0.71	33.13	26.65	00.103	1444.2							
	OBS	00050	- 0.71	33.130	26.65		1444.2							
	STD	00075	- 1.10	33.24	26.75	00.136	1443.0							
	OBS	00075	- 1.10	33.240	26.75		1443.0							
	OBS	00095	- 1.19	33.365	26.86		1443.1							
	STD	00100	- 1.24	33.34	26.84	00.168	1442.9							
	OBS	00100	- 1.24	33.340	26.84		1442.9							
	OBS	00120	- 0.78	33.570	27.01		1445.7							
	STD	00125	00.63	33.71	27.05	00.195	1452.4							
	STD	00150	05.97	34.29	27.02 *	00.222	1476.5							
	OBS	00150	05.97	34.290	27.02		1476.5							
	STD	00200	08.04	34.78	27.12	00.273	1486.1							
	OBS	00200	08.04	34.780	27.12		1486.1							
	OBS	00204	07.77	34.770	27.15		1485.2							
	OBS	00223	09.14	35.020	27.13		1490.9							
	OBS	00241	08.96	35.020	27.16		1490.6							
	STD	00250	08.95	35.02	27.16	00.322	1490.6							
	OBS	00250	08.95	35.020	27.16		1490.6							
	STD	00300	04.27	34.32	27.24	00.368	1472.0							
	OBS	00300	04.27	34.320	27.24		1472.0							
	OBS	00308	04.16	34.320	27.25		1471.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01563	AIR TEMP 10.6	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0145	MONTH 06	SHIP EV	WET BULB 10.0	19 0 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 42 47.0N	DAY 10	DATA USE 1	BAROMETR 1025.7	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 28
LONG 049 49.0W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.84	32.83	26.00	00.000	1467.5							
23.5	OBS	00000	04.84	32.830	26.00		1467.5							
	STD	00010	02.97	32.58	25.99	00.020	1459.4							
	OBS	00010	02.97	32.585	25.99		1459.4							
	STD	00020	01.63	32.89	26.33	00.039	1456.1							
	OBS	00020	01.63	32.890	26.33		1456.1							
	STD	00030	00.07	32.89	26.42	00.055	1447.2							
	OBS	00030	00.07	32.890	26.42		1447.2							
	STD	00050	- 0.66	33.06	26.60	00.086	1444.4							
	OBS	00050	- 0.66	33.065	26.60		1444.4							
	STD	00075	- 1.35	33.20	26.73	00.121	1441.8							
	OBS	00075	- 1.35	33.205	26.73		1441.8							
	OBS	00086	- 1.51	33.250	26.77		1441.2							
	STD	00100	- 1.37	33.38	26.87	00.152	1442.3							
	OBS	00100	- 1.37	33.380	26.87		1442.3							
	STD	00125	- 1.30	33.40	26.89	00.181	1443.1							
	OBS	00125	- 1.30	33.400	26.89		1443.1							
	STD	00150	- 1.15	33.44	26.92	00.210	1444.3							
	OBS	00150	- 1.15	33.440	26.92		1444.3							
	OBS	00175	- 0.83	33.555	27.00		1446.3							
	STD	00200	- 0.66	33.63	27.06	00.264	1447.7							
	OBS	00200	- 0.66	33.635	27.06		1447.7							
	OBS	00230	- 0.35	33.715	27.11		1449.7							
	STD	00250	01.54	33.86	27.12	00.313	1458.8							
	OBS	00270	03.61	34.190	27.20		1469.6							
	OBS	00281	04.82	34.450	27.28		1476.2							
	STD	00300	05.68	34.59	27.29	00.358	1478.2							
	OBS	00300	05.68	34.590	27.29		1479.2							
	OBS	00320	06.90	34.840	27.33		1483.7							
	OBS	00340	06.79	34.880	27.37		1483.7							
	STD	00400	04.97	34.79	27.53	00.430	1477.2							
	OBS	00400	04.97	34.790	27.53		1477.2							
	OBS	00435	04.89	34.900	27.63		1477.6							
	OBS	00480	04.14	34.840	27.67		1475.1							
	STD	00500	04.28	34.88	27.68	00.484	1476.1							
	OBS	00500	04.28	34.875	27.68		1476.1							
	STD	00600	04.09	34.91	27.73	00.539	1477.0							
	OBS	00600	04.09	34.910	27.73		1477.0							
	STD	00700	04.12	34.93	27.74	00.573	1478.8							
	OBS	00700	04.12	34.930	27.74		1478.8							
	STD	00800	04.11	34.94	27.75	00.617	1480.5							
	OBS	00800	04.11	34.940	27.75		1480.5							
	STD	00900	04.10	34.94	27.75	00.661	1482.1							
	OBS	00900	04.10	34.945	27.75		1482.1							
	STD	01000	04.06	34.95	27.76	00.705	1483.6							
	OBS	01000	04.06	34.950	27.76		1483.6							
	STD	01100	04.02	34.94	27.76	00.750	1485.1							
	OBS	01100	04.02	34.945	27.76		1485.1							
	STD	01200	03.99	34.94	27.76	00.795	1486.6							
	OBS	01200	03.99	34.945	27.76		1486.6							
	STD	01300	03.94	34.94	27.77	00.841	1488.1							
	OBS	01300	03.94	34.940	27.77		1488.1							
	STD	01400	03.93	34.93	27.77	00.888	1489.6							
	OBS	01400	03.93	34.935	27.77		1489.6							
	OBS	01495	03.89	34.940	27.77		1491.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02370	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SD 1307
CONSEC 0146	MONTH 06	SHIP EV	WET BULB 08.3	19 0 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 1
LAT 42 37.5N	DAY 11	DATA USE 1	BAROMETR 1025.4	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 20
LONG 050 12.0W	HOUR 03.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG TIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.22	32.86	26.09	00.000	1464.9							
03.9	OBS	00000	04.22	32.860	26.09		1464.9							
	STD	00010	01.72	32.69	26.17	00.019	1454.0							
	OBS	00010	01.72	32.690	26.17		1454.0							
	STD	00020	- 0.28	32.95	26.49	00.036	1445.5							
	OBS	00020	- 0.28	32.955	26.49		1445.5							
	STD	00030	- 0.80	32.99	26.54	00.051	1443.3							
	OBS	00030	- 0.80	32.990	26.54		1443.3							
	STD	00050	- 1.15	33.25	26.76	00.079	1442.3							
	OBS	00050	- 1.15	33.250	26.76		1442.3							
	STD	00075	- 1.23	33.32	26.82	00.111	1442.5							
	OBS	00075	- 1.23	33.325	26.82		1442.5							
	STD	00100	- 1.12	33.41	26.89	00.141	1443.5							
	OBS	00100	- 1.12	33.408	26.89		1443.5							
	STD	00125	- 0.95	33.49	26.95	00.169	1444.9							
	OBS	00125	- 0.95	33.490	26.95		1444.9							
	STD	00150	- 0.78	33.54	26.99	00.196	1446.1							
	OBS	00150	- 0.78	33.545	26.99		1446.1							
	STD	00200	- 0.68	33.59	27.02	00.249	1447.5							
	OBS	00200	- 0.68	33.588	27.02		1447.5							
	STD	00250	- 0.28	33.70	27.09	00.300	1450.3							
	OBS	00250	- 0.28	33.699	27.09		1450.3							
	STD	00300	00.11	33.84	27.19	00.346	1453.1							
	OBS	00300	00.11	33.845	27.19		1453.1							
	OBS	00350	00.57	34.060	27.34		1456.4							
	OBS	00370	00.61	34.120	27.38		1457.0							
	STD	00400	01.27	34.29	27.48	00.421	1460.7							
	OBS	00400	01.27	34.290	27.48		1460.7							
	OBS	00440	02.54	34.640	27.66		1467.4							
	STD	00500	03.57	34.75	27.65	00.477	1472.9							
	OBS	00500	03.57	34.750	27.65		1472.9							
	OBS	00524	03.84	34.820	27.68		1474.6							
	STD	00600	04.00	34.88	27.72	00.524	1476.6							
	OBS	00600	04.00	34.885	27.72		1476.6							
	STD	00700	04.08	34.92	27.74	00.569	1478.6							
	OBS	00700	04.08	34.920	27.74		1478.6							
	STD	00800	04.07	34.93	27.75	00.612	1480.3							
	OBS	00800	04.07	34.935	27.75		1480.3							
	STD	00900	04.05	34.94	27.75	00.656	1481.9							
	OBS	00900	04.05	34.940	27.75		1481.9							
	STD	01000	04.04	34.94	27.76	00.700	1483.5							
	OBS	01000	04.04	34.945	27.76		1483.5							
	STD	01100	04.05	34.94	27.76	00.745	1485.2							
	OBS	01100	04.05	34.945	27.76		1485.2							
	STD	01200	04.05	34.95	27.76	00.790	1486.9							
	OBS	01200	04.05	34.950	27.76		1486.9							
	STD	01300	04.03	34.95	27.76	00.837	1488.5							
	OBS	01300	04.03	34.950	27.76		1488.5							
	STD	01400	03.97	34.94	27.77	00.884	1489.9							
	OBS	01400	03.97	34.945	27.77		1489.9							
	STD	01500	03.91	34.94	27.77	00.931	1491.3							
	OBS	01500	03.91	34.945	27.77		1491.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02189	AIR TEMP 11.7	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0147	MONTH 06	SHIP FV	WET BULB 11.7	14 4 2	WIND-SPD 32	TRACE DIR 0	5 SQUARE 2
LAT 42 44.0N	DAY 12	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FTR	DURATION 00.4	2 SQUARE 28
LONG 049 29.5W	HOUR 13.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG TIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	05.39	32.79	25.90	00.000	1469.7							
13.1	OBS	00000	05.39	32.790	25.90		1469.7							
	STD	00010	03.89	32.58	25.90	00.021	1463.3							
	STD	00020	02.67	32.55	25.98	00.042	1458.2							
	OBS	00020	02.67	32.550	25.98		1458.2							
	STD	00030	01.72	32.69	26.17	00.061	1454.4							
	OBS	00030	01.72	32.690	26.17		1454.4							
	OBS	00041	01.19	32.885	26.36		1452.3							
	STD	00050	00.01	32.79	26.34	00.097	1447.4							
	OBS	00050	00.07	32.790	26.34		1447.4							
	OBS	00054	- 0.53	33.090	26.61		1445.0							
	OBS	00060	- 0.07	33.230	26.70		1447.5							
	STD	00075	- 1.30	33.47	26.94	00.132	1442.4							
	OBS	00075	- 1.30	33.470	26.94		1442.4							
	STD	00100	00.47	33.72	27.07	00.158	1451.3							
	OBS	00100	00.47	33.720	27.07		1451.3							
	OBS	00103	00.59	33.690	27.04 *		1451.9							
	OBS	00105	00.49	33.710	27.06		1451.5							
	OBS	00115	01.02	33.760	27.07		1454.1							
	STD	00125	00.85	33.90	27.19	00.182	1453.7							
	OBS	00125	00.85	33.900	27.19		1453.7							
	OBS	00140	00.03	33.890	27.23		1450.2							
	STD	00150	00.57	33.94	27.24	00.203	1452.9							
	OBS	00150	00.57	33.940	27.24		1452.9							
	OBS	00165	00.78	33.990	27.27		1454.2							
	OBS	00177	00.51	34.040	27.33		1453.2							
	STD	00200	01.62	34.32	27.48	00.240	1458.9							
	OBS	00200	01.62	34.320	27.48		1458.9							
	OBS	00222	01.64	34.325	27.48		1459.4							
	STD	00250	02.06	34.42	27.52	00.270	1461.8							
	OBS	00250	02.06	34.420	27.52		1461.8							
	OBS	00270	02.15	34.440	27.53		1462.6							
	STD	00300	02.81	34.59	27.60	00.297	1466.2							
	OBS	00300	02.81	34.590	27.60		1466.2							
	OBS	00343	03.57	34.760	27.66		1470.4							
	STD	00400	03.77	34.82	27.69	00.346	1472.2							
	OBS	00400	03.77	34.820	27.69		1472.2							
	STD	00500	03.97	34.89	27.72	00.390	1474.8							
	OBS	00500	03.97	34.890	27.72		1474.8							
	STD	00600	04.05	34.92	27.74	00.433	1476.9							
	OBS	00600	04.05	34.920	27.74		1476.9							
	STD	00700	04.04	34.93	27.75	00.476	1478.5							
	OBS	00700	04.04	34.930	27.75		1478.5							
	STD	00800	04.04	34.93	27.75	00.519	1480.1							
	OBS	00800	04.04	34.930	27.75		1480.1							
	STD	00900	04.04	34.93	27.75	00.563	1481.8							
	OBS	00900	04.04	34.930	27.75		1481.8							
	STD	01000	04.04	34.93	27.75	00.608	1483.5							
	OBS	01000	04.04	34.930	27.75		1483.5							
	STD	01100	04.03	34.93	27.75	00.654	1485.1							
	OBS	01100	04.03	34.935	27.75		1485.1							
	OBS	01186	04.03	34.945	27.76		1486.6							
	STD	01200	04.08	34.95	27.76	00.700	1487.0							
	OBS	01200	04.08	34.955	27.76		1487.0							
	STD	01300	04.01	34.95	27.77	00.746	1488.4							
	OBS	01300	04.01	34.950	27.77		1488.4							
	STD	01400	03.94	34.95	27.77	00.792	1489.8							
	OBS	01400	03.94	34.950	27.77		1489.8							
	OBS	01440	03.94	34.950	27.77		1490.5							
	STD	01500	03.83	34.94	27.78	00.839	1491.0							
	OBS	01500	03.83	34.940	27.78		1491.0							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02239	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0148	MONTH 06	SHIP EV	WET BULB 10.0	19 5 4	WIND-SPD 23	TRACE DIR 7	5 SQUARE 7
LAT 42 44.0N	DAY 12	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 28
LONG 049 49.0W	HOUR 16.4	AREA 05	CLOUD T/A	CL/TR	WEATHER K4	ORIG EEP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	P4
	STD	00000	04.21	32.85	26.08	00.000	1464.9							
16.4	OBS	00000	04.21	32.855	26.09		1464.9							
	STD	00010	03.47	32.80	26.12	00.019	1461.8							
	OBS	00010	03.47	32.805	26.12		1461.8							
	OBS	00017	00.50	32.770	26.31		1448.8							
	STD	00020	00.61	32.83	26.35	00.037	1449.4							
	OBS	00020	00.61	32.830	26.35		1449.4							
	STD	00030	- 1.12	32.99	26.55	00.053	1441.8							
	OBS	00030	- 1.12	32.990	26.55		1441.8							
	OBS	00040	- 0.94	33.140	26.67		1443.0							
	STD	00050	- 1.18	33.21	26.73	00.081	1442.2							
	OBS	00050	- 1.18	33.210	26.73		1442.2							
	OBS	00056	- 1.24	33.245	26.76		1442.0							
	OBS	00060	- 1.18	33.280	26.79		1442.4							
	STD	00075	- 1.18	33.30	26.81	00.113	1442.7							
	OBS	00075	- 1.18	33.305	26.81		1442.7							
	STD	00100	- 1.19	33.35	26.84	00.144	1443.1							
	OBS	00100	- 1.19	33.350	26.84		1443.1							
	OBS	00119	- 1.09	33.420	26.90		1444.0							
	STD	00125	- 1.09	33.42	26.90	00.174	1444.1							
	OBS	00125	- 1.09	33.420	26.90		1444.1							
	STD	00150	- 0.90	33.49	26.95	00.202	1445.5							
	OBS	00150	- 0.90	33.490	26.95		1445.5							
	STD	00200	- 0.55	33.59	27.01	00.256	1448.1							
	OBS	00200	- 0.55	33.590	27.01		1448.1							
	STD	00250	- 0.28	33.69	27.08	00.306	1450.3							
	OBS	00250	- 0.28	33.690	27.08		1450.3							
	OBS	00262	- 0.29	33.715	27.10		1450.5							
	STD	00300	- 0.07	33.81	27.17	00.353	1452.3							
	OBS	00300	- 0.07	33.810	27.17		1452.3							
	STD	00400	02.47	34.27	27.37	00.435	1465.9							
	OBS	00400	02.47	34.270	27.37		1465.9							
	OBS	00427	03.64	34.490	27.44		1471.7							
	OBS	00440	02.98	34.490	27.50		1469.1							
	OBS	00458	04.41	34.690	27.52		1475.7							
	OBS	00468	03.39	34.695	27.63		1471.6							
	OBS	00475	03.55	34.755	27.66		1472.5							
	STD	00500	03.42	34.73	27.66	00.496	1472.3							
	OBS	00500	03.42	34.735	27.66		1472.3							
	OBS	00530	03.78	34.810	27.68		1474.4							
	OBS	00562	03.78	34.825	27.69		1475.0							
	STD	00600	04.07	34.89	27.71	00.563	1476.9							
	OBS	00600	04.07	34.890	27.71		1476.9							
	STD	00700	04.29	34.94	27.73	00.588	1479.6							
	OBS	00700	04.29	34.945	27.73		1479.6							
	OBS	00750	04.31	34.955	27.74		1480.5							
	STD	00800	04.11	34.93	27.74	00.632	1480.4							
	OBS	00800	04.11	34.930	27.74		1480.4							
	OBS	00830	04.07	34.925	27.74		1480.8							
	STD	00900	04.05	34.93	27.75	00.677	1481.9							
	OBS	00900	04.05	34.930	27.75		1481.9							
	OBS	00980	04.14	34.950	27.75		1483.6							
	STD	01000	04.17	34.95	27.75	00.722	1484.1							
	OBS	01000	04.17	34.955	27.75		1484.1							
	STD	01100	04.05	34.93	27.75	00.768	1485.2							
	OBS	01100	04.05	34.935	27.75		1485.2							
	STD	01200	04.09	34.95	27.76	00.814	1487.1							
	OBS	01200	04.09	34.950	27.76		1487.1							
	STD	01300	04.12	34.96	27.76	00.861	1488.9							
	OBS	01300	04.12	34.960	27.76		1488.9							
	STD	01400	04.17	34.97	27.77	00.909	1490.8							
	OBS	01400	04.17	34.970	27.77		1490.8							
	STD	01500	04.11	34.97	27.77	00.957	1492.2							
	OBS	01500	04.11	34.970	27.77		1492.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02986	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0149	MONTH 06	SHIP EV	WET BULB 07.8	17 3 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 42 21.0N	DAY 12	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION 03.4	2 SQUARE 28
LONG 049 37.5W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG FIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.14	32.56	25.75	00.000	1468.3							
23.4	OBS	00000	05.14	32.565	25.75		1468.3							
	STD	00010	02.27	32.63	26.08	00.021	1456.4							
	OBS	00010	02.27	32.630	26.08		1456.4							
	OBS	00018	01.74	32.750	26.21		1454.3							
	STD	00020	01.67	32.78	26.24	00.040	1454.1							
	OBS	00020	01.67	32.780	26.24		1454.1							
	OBS	00025	01.52	32.785	26.26		1453.5							
	STD	00030	01.67	32.97	26.40	00.057	1454.5							
	OBS	00040	01.97	33.300	26.64		1456.5							
	STD	00050	03.81	33.55	26.68	00.087	1464.9							
	OBS	00050	03.81	33.555	26.68		1464.9							
	OBS	00052	03.64	33.605	26.74		1464.3							
	OBS	00070	02.79	33.590	26.80		1460.9							
	STD	00075	02.59	33.61	26.83	00.119	1460.2							
	OBS	00090	01.74	33.670	26.95		1456.8							
	OBS	00095	01.38	33.725	27.02		1455.3							
	STD	00100	01.64	33.86	27.11	00.147	1456.8							
	OBS	00100	01.64	33.860	27.11		1456.8							
	STD	00125	00.41	33.90	27.22	00.170	1451.7							
	OBS	00125	00.41	33.900	27.22		1451.7							
	OBS	00140	04.94	34.475	27.29		1472.4							
	STD	00150	04.82	34.49	27.31	00.190	1472.1							
	OBS	00150	04.82	34.490	27.31		1472.1							
	OBS	00170	05.41	34.570	27.31		1474.9							
	STD	00200	05.97	34.67	27.32	00.230	1477.8							
	OBS	00200	05.97	34.670	27.32		1477.8							
	OBS	00210	05.92	34.675	27.33		1477.8							
	OBS	00222	05.62	34.620	27.32		1476.7							
	OBS	00240	05.30	34.650	27.38		1475.7							
	OBS	00247	05.30	34.685	27.41		1475.9							
	STD	00250	05.48	34.70	27.40	00.268	1476.7							
	OBS	00278	05.75	34.780	27.43		1478.3							
	OBS	00280	05.67	34.780	27.44		1478.1							
	STD	00300	05.72	34.90	27.53	00.301	1478.8							
	OBS	00300	05.72	34.900	27.53		1478.8							
	OBS	00302	05.80	34.910	27.53		1479.1							
	OBS	00310	05.72	34.900	27.53		1478.9							
	OBS	00330	05.47	34.850	27.52		1478.2							
	OBS	00370	05.62	34.915	27.55		1479.5							
	OBS	00380	05.42	34.945	27.60		1478.9							
	STD	00400	05.41	34.95	27.61	00.358	1479.2							
	OBS	00400	05.41	34.955	27.61		1479.2							
	STD	00500	05.27	35.02	27.68	00.409	1480.4							
	OBS	00500	05.27	35.025	27.68		1480.4							
	OBS	00550	04.49	34.930	27.70		1477.9							
	STD	00600	04.89	35.00	27.71	00.456	1480.5							
	OBS	00600	04.89	35.000	27.71		1480.5							
	OBS	00610	04.94	35.045	27.74		1480.9							
	STD	00700	04.47	35.00	27.76	00.501	1480.4							
	OBS	00700	04.47	35.000	27.76		1480.4							
	STD	00800	04.10	34.95	27.76	00.544	1480.4							
	OBS	00800	04.10	34.950	27.76		1480.4							
	STD	00900	04.05	34.94	27.76	00.587	1481.9							
	OBS	00900	04.05	34.945	27.76		1481.9							
	STD	01000	04.07	34.96	27.77	00.630	1483.6							
	OBS	01000	04.07	34.960	27.77		1483.6							
	STD	01100	04.09	34.97	27.77	00.674	1485.4							
	OBS	01100	04.09	34.970	27.77		1485.4							
	STD	01200	04.01	34.96	27.78	00.719	1486.7							
	OBS	01200	04.01	34.965	27.78		1486.7							
	STD	01300	03.84	34.94	27.78	00.763	1487.7							
	OBS	01300	03.84	34.940	27.78		1487.7							
	STD	01400	03.87	34.95	27.78	00.809	1489.5							
	OBS	01490	03.89	34.960	27.79		1491.1							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01895	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0150	MONTH 06	SHIP EV	WET BULB 08.9	36 3 2	WIND-SPD 17	TRACE DIR 2	5 SQUARE 2
LAT 42 53.0N	DAY 13	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 049 42.0W	HOUR 04.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG IIP 111	1 SQUARE 29

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.87	33.30	25.60	00.000	1483.6							
04.3	OBS	00007	08.87	33.305	25.60		1483.6							
	STD	00013	07.74	33.09	25.83	00.023	1479.6							
	OBS	00019	07.74	33.090	25.83		1479.6							
	STD	00023	06.04	33.11	26.08	00.043	1473.1							
	OBS	00026	06.04	33.115	26.08		1473.1							
	STD	00030	03.32	33.16	26.41	00.061	1462.0							
	OBS	00033	03.32	33.160	26.41		1462.0							
	STD	00050	02.02	33.19	26.55	00.093	1456.7							
	OBS	00053	02.02	33.195	26.55		1456.7							
	OBS	00068	00.48	33.150	26.61		1450.0							
	OBS	00072	00.62	33.235	26.67		1450.9							
	STD	00075	00.58	33.24	26.68	00.128	1450.7							
	STD	00100	00.27	33.31	26.75	00.162	1449.8							
	OBS	00103	00.27	33.310	26.75		1449.9							
	OBS	00115	- 0.62	33.370	26.84		1446.1							
	STD	00125	- 0.33	33.43	26.88	00.193	1447.7							
	OBS	00125	- 0.33	33.430	26.88		1447.7							
	OBS	00129	- 0.50	33.450	26.90		1447.0							
	STD	00150	01.54	33.68	26.98	00.221	1456.9							
	OBS	00150	01.54	33.685	26.98		1456.9							
	OBS	00190	03.97	34.110	27.10		1468.7							
	STD	00200	03.36	34.02	27.09	00.273	1466.1							
	OBS	00203	03.36	34.020	27.09		1466.1							
	OBS	00231	03.62	34.150	27.17		1467.9							
	STD	00250	04.52	34.38	27.26	00.320	1472.3							
	OBS	00250	04.52	34.375	27.26		1472.3							
	OBS	00260	05.00	34.440	27.25		1474.5							
	OBS	00291	00.90	34.050	27.31		1456.9							
	STD	00300	00.97	34.13	27.37	00.359	1457.4							
	OBS	00300	00.97	34.135	27.37		1457.4							
	OBS	00319	01.21	34.200	27.41		1458.9							
	OBS	00342	03.13	34.670	27.63		1468.3							
	OBS	00361	03.63	34.770	27.62		1470.9							
	OBS	00390	03.79	34.770	27.65		1472.1							
	STD	00400	03.79	34.78	27.66	00.419	1472.3							
	OBS	00400	03.79	34.785	27.66		1472.3							
	OBS	00410	03.82	34.810	27.68		1472.6							
	OBS	00415	04.08	34.890	27.71		1473.9							
	OBS	00442	04.37	34.940	27.72		1475.6							
	OBS	00459	04.34	34.945	27.73		1475.8							
	OBS	00486	04.83	35.015	27.73		1478.3							
	STD	00500	04.85	35.02	27.73	00.464	1478.7							
	OBS	00500	04.85	35.020	27.73		1478.7							
	OBS	00530	04.85	35.015	27.73		1479.2							
	OBS	00570	04.37	34.950	27.73		1477.7							
	STD	00600	04.35	34.95	27.73	00.508	1478.2							
	OBS	00609	04.35	34.955	27.73		1478.2							
	OBS	00620	04.39	34.960	27.73		1478.7							
	STD	00700	04.25	34.96	27.75	00.551	1479.4							
	OBS	00700	04.25	34.960	27.75		1479.4							
	STD	00800	04.18	34.95	27.75	00.594	1480.8							
	OBS	00800	04.18	34.955	27.75		1480.8							
	STD	00900	04.08	34.94	27.76	00.638	1482.0							
	OBS	00900	04.09	34.945	27.76		1482.0							
	OBS	00955	04.10	34.960	27.77		1483.0							
	STD	01000	04.34	35.00	27.78	00.682	1484.8							
	OBS	01000	04.34	35.005	27.78		1484.8							
	STD	01100	04.29	34.99	27.77	00.726	1486.3							
	OBS	01100	04.29	34.990	27.77		1486.3							
	STD	01200	04.25	34.99	27.77	00.771	1487.8							
	OBS	01200	04.25	34.990	27.77		1487.8							
	STD	01300	04.14	34.98	27.78	00.817	1489.0							
	OBS	01300	04.14	34.980	27.78		1489.0							
	STD	01403	04.03	34.96	27.78	00.863	1490.2							
	OBS	01403	04.03	34.965	27.78		1490.2							
	OBS	01418	03.93	34.955	27.78		1490.1							
	OBS	01460	03.92	34.975	27.80		1490.7							
	OBS	01463	03.97	34.970	27.79		1491.0							
	STD	01500	03.97	34.96	27.78	00.910	1491.6							
	OBS	01500	03.97	34.960	27.78		1491.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

OCEID 31 8296	YEAR 1972	BOTDP 01648	AIR TEMP 12.8	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1307
CONSEC 0151	MONTH 06	SHIP EV	WET BULB 10.0	31 1 5	WIND-SPD 04	TRACE DIR 0	5 SQUARE 1
LAT 42 42.5N	DAY 14	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 20
LONG 050 22.0W	HOUR 19.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.22	32.71	25.86	00.000	1468.9							
19.7	OBS	00000	05.22	32.710	25.86		1468.9							
	STD	00010	04.42	32.79	26.01	00.021	1465.8							
	OBS	00010	04.42	32.790	26.01		1465.8							
	STD	00020	03.42	32.63	25.98 *	00.041	1461.5							
	OBS	00020	03.42	32.610	25.98		1461.5							
	STD	00030	01.47	32.82	26.29	00.060	1453.4							
	OBS	00030	01.47	32.820	26.29		1453.4							
	STD	00050	- 0.23	33.01	26.54	00.092	1446.3							
	OBS	00050	- 0.23	33.015	26.54		1446.3							
	STD	00075	- 1.03	33.15	26.68	00.128	1443.2							
	OBS	00075	- 1.03	33.150	26.68		1443.2							
	STD	00100	- 1.20	33.29	26.80	00.161	1443.0							
	OBS	00100	- 1.20	33.290	26.80		1443.0							
	STD	00125	- 1.18	33.36	26.85	00.192	1443.6							
	OBS	00125	- 1.18	33.360	26.85		1443.6							
	STD	00150	- 1.08	33.42	26.90	00.221	1444.6							
	OBS	00150	- 1.08	33.425	26.90		1444.6							
	OBS	00190	- 0.45	33.660	27.07		1448.5							
	STD	00200	03.12	34.07	27.15	00.273	1465.1							
	OBS	00200	03.12	34.070	27.15		1465.1							
	OBS	00236	06.30	34.550	27.18		1479.6							
	OBS	00243	05.26	34.350	27.15 *		1475.2							
	STD	00250	05.57	34.49	27.22	00.319	1476.8							
	OBS	00250	05.57	34.490	27.22		1476.8							
	OBS	00267	03.39	34.250	27.27		1467.7							
	OBS	00281	05.43	34.410	27.31		1477.7							
	OBS	00298	03.87	34.350	27.30		1470.3							
	STD	00300	03.91	34.40	27.34	00.360	1470.6							
	OBS	00300	03.91	34.400	27.34		1470.6							
	OBS	00311	04.49	34.470	27.33		1473.3							
	OBS	00325	03.75	34.330	27.35		1468.1							
	OBS	00341	04.05	34.520	27.42		1472.0							
	OBS	00365	03.32	34.440	27.43		1469.2							
	STD	00400	04.74	34.73	27.52	00.430	1476.2							
	OBS	00400	04.74	34.735	27.52		1476.2							
	OBS	00419	04.85	34.800	27.56		1477.0							
	OBS	00458	04.71	34.840	27.60		1477.1							
	OBS	00465	04.58	34.835	27.61		1476.7							
	OBS	00478	04.85	34.875	27.61		1478.1							
	STD	00500	04.20	34.81	27.64	00.487	1475.7							
	OBS	00500	04.20	34.810	27.64		1475.7							
	OBS	00510	04.82	34.950	27.68		1478.6							
	OBS	00540	04.91	34.950	27.67		1479.5							
	STD	00600	04.79	34.96	27.69	00.537	1480.0							
	OBS	00600	04.79	34.965	27.69		1480.0							
	OBS	00673	04.77	34.990	27.72		1481.2							
	STD	00700	04.69	34.98	27.72	00.584	1481.3							
	OBS	00700	04.69	34.985	27.72		1481.3							
	OBS	00721	04.53	34.960	27.72		1480.9							
	STD	00800	04.33	34.95	27.73	00.630	1481.4							
	OBS	00800	04.33	34.950	27.73		1481.4							
	STD	00900	04.23	34.93	27.73	00.676	1482.6							
	OBS	00900	04.23	34.935	27.73		1482.6							
	OBS	00953	04.22	34.935	27.73		1483.5							
	STD	01000	04.15	34.94	27.74	00.722	1484.0							
	OBS	01000	04.15	34.940	27.74		1484.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01569	AIR TEMP 12.7	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1307
CONSEC 0152	MONTH 06	SHIP EV	WET BULB 10.6	30 1 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1
LAT 42 41.5N	DAY 14	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION 03.4	2 SQUARE 20
LONG 050 04.0W	HOUR 21.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	05.57	32.79	25.88	00.000	1470.4							
21.9	OBS	00000	05.57	32.790	25.88		1470.4							
	STD	00010	05.23	32.71	25.86	00.021	1469.1							
	OBS	00010	05.23	32.710	25.86		1469.1							
	STD	00020	03.67	32.71	26.02	00.042	1462.7							
	OBS	00020	03.67	32.710	26.02		1462.7							
	STD	00030	01.50	32.91	26.36	00.061	1453.7							
	OBS	00030	01.50	32.910	26.36		1453.7							
	STD	00050	- 1.19	32.97	26.54	00.092	1441.8							
	OBS	00050	- 1.19	32.970	26.54		1441.8							
	OBS	00060	- 1.24	33.150	26.68		1441.9							
	OBS	00062	- 1.21	33.160	26.69		1442.1							
	OBS	00070	- 1.25	33.190	26.72		1442.1							
	STD	00075	- 1.21	33.24	26.76	00.127	1442.5							
	OBS	00075	- 1.21	33.245	26.76		1442.5							
	STD	00100	- 1.29	33.30	26.81	00.159	1442.6							
	OBS	00100	- 1.29	33.300	26.81		1442.6							
	STD	00125	- 1.20	33.38	26.87	00.189	1443.5							
	OBS	00125	- 1.20	33.385	26.87		1443.5							
	STD	00150	- 1.05	33.44	26.91	00.218	1444.7							
	OBS	00150	- 1.05	33.440	26.91		1444.7							
	STD	00200	- 0.77	33.54	26.99	00.274	1447.0							
	OBS	00200	- 0.77	33.545	26.99		1447.0							
	STD	00250	02.09	33.70	26.94 *	00.329	1461.0							
	OBS	00279	03.67	34.030	27.07		1468.7							
	OBS	00288	04.15	34.170	27.13		1471.1							
	STD	00300	02.04	34.03	27.21	00.379	1462.0							
	OBS	00300	02.04	34.030	27.21		1462.0							
	OBS	00319	00.49	33.910	27.22		1455.3							
	OBS	00325	00.44	33.970	27.27		1455.2							
	OBS	00333	00.64	33.995	27.28		1456.3							
	OBS	00356	00.66	34.130	27.39		1457.0							
	STD	00400	01.72	34.27	27.43	00.456	1462.6							
	OBS	00400	01.72	34.270	27.43		1462.6							
	OBS	00407	01.78	34.260	27.42		1463.0							
	OBS	00420	01.67	34.300	27.46		1462.6							
	STD	00500	03.59	34.75	27.65	00.514	1473.0							
	OBS	00500	03.59	34.755	27.65		1473.0							
	STD	00600	03.90	34.84	27.69	00.562	1476.1							
	OBS	00600	03.90	34.840	27.69		1476.1							
	STD	00700	04.06	34.88	27.70	00.609	1478.5							
	OBS	00700	04.06	34.875	27.70		1478.5							
	STD	00800	04.10	34.91	27.73	00.656	1480.4							
	OBS	00800	04.10	34.910	27.73		1480.4							
	STD	00900	04.10	34.91	27.73	00.702	1482.0							
	OBS	00900	04.10	34.910	27.73		1482.0							
	STD	01000	04.10	34.92	27.73	00.749	1483.7							
	OBS	01000	04.10	34.920	27.73		1483.7							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02249	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1307
CONSEC 0153	MONTH 05	SHIP EV	WET BULB 06.7	31 1 2	WIND-SPD 04	TRACE DIR 0	5 SQUARE 1
LAT 42 33.5N	DAY 14	DATA USE 1	BAROMETR 1030.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 06.5W	HOUR 23.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	05.79	32.72	25.80	00.000	1471.2							
23.7	OBS	00000	05.79	32.720	25.80		1471.2							
	STD	00010	04.78	32.70	25.90	00.022	1467.2							
	OBS	00010	04.78	32.700	25.90		1467.2							
	STD	00020	01.12	32.57	26.11	00.042	1451.3							
	OBS	00020	01.12	32.570	26.11		1451.3							
	STD	00030	- 0.23	32.90	26.45	00.059	1445.8							
	OBS	00030	- 0.23	32.900	26.45		1445.8							
	STD	00050	- 1.16	33.15	26.68	00.089	1442.2							
	OBS	00050	- 1.16	33.150	26.68		1442.2							
	STD	00075	- 1.20	33.31	26.82	00.121	1442.6							
	OBS	00075	- 1.20	33.315	26.82		1442.6							
	STD	00100	- 1.11	33.38	26.87	00.152	1443.5							
	OBS	00100	- 1.11	33.380	26.87		1443.5							
	STD	00125	- 1.05	33.43	26.90	00.181	1444.3							
	OBS	00125	- 1.05	33.430	26.90		1444.3							
	STD	00150	- 0.85	33.50	26.96	00.209	1445.8							
	OBS	00150	- 0.85	33.505	26.96		1445.8							
	STD	00200	- 0.58	33.60	27.03	00.262	1448.0							
	OBS	00200	- 0.58	33.605	27.03		1449.0							
	STD	00250	- 0.15	33.78	27.15	00.311	1451.0							
	OBS	00250	- 0.15	33.780	27.15		1451.0							
	OBS	00274	00.05	33.850	27.20		1452.4							
	STD	00300	03.67	34.37	27.34	00.353	1469.5							
	OBS	00300	03.67	34.370	27.34		1469.5							
	OBS	00311	04.47	34.470	27.34		1473.2							
	OBS	00340	01.06	34.100	27.34		1458.5							
	OBS	00368	01.21	34.150	27.37		1459.7							
	STD	00400	01.65	34.25	27.42	00.426	1462.3							
	OBS	00400	01.65	34.250	27.42		1462.3							
	OBS	00415	01.74	34.270	27.43		1463.0							
	OBS	00425	01.50	34.275	27.45		1462.1							
	OBS	00470	02.67	34.450	27.50		1468.2							
	STD	00500	04.96	34.90	27.62	00.487	1479.0							
	OBS	00500	04.96	34.900	27.62		1479.0							
	OBS	00520	05.28	34.985	27.65		1480.7							
	OBS	00570	05.09	34.980	27.67		1480.7							
	OBS	00575	05.15	35.000	27.68		1481.1							
	STD	00600	05.01	34.99	27.69	00.538	1480.9							
	OBS	00600	05.01	34.990	27.69		1480.9							
	STD	00700	04.69	34.97	27.71	00.586	1481.2							
	OBS	00700	04.69	34.970	27.71		1481.2							
	OBS	00753	04.44	34.955	27.72		1481.1							
	STD	00800	04.44	34.96	27.73	00.633	1481.9							
	OBS	00800	04.44	34.965	27.73		1481.9							
	OBS	00828	04.26	34.970	27.76		1481.6							
	OBS	00860	04.26	34.975	27.76		1482.1							
	OBS	00863	04.33	34.965	27.74		1482.5							
	STD	00900	04.34	34.96	27.74	00.679	1483.1							
	OBS	00900	04.34	34.965	27.74		1483.1							
	STD	01000	04.22	34.96	27.75	00.724	1484.3							
	OBS	01000	04.22	34.960	27.75		1484.3							
	OBS	01050	04.17	34.955	27.75		1484.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02118	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1307
CONSEC 0154	MONTH 06	SHIP EY	WET BULB 07.8	31 1 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 1
LAT 42 32.0 N	DAY 15	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION 09.3	2 SQUARE 20
LONG 050 12 W	HOUR 02.0	AREA 05	CLOUD T/A		CL/TR	WEATHER X1	0919 1IP 111	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	3KYG	P36	TOT P	NO2	NO3	SI33	P4
	STD	00000	06.06	32.73	25.78	00.000	1472.3							
02.0	OBS	00000	06.06	32.730	25.78		1472.3							
	STD	00010	04.07	32.77	26.03	00.021	1464.3							
	OBS	00010	04.07	32.775	26.03		1464.3							
	OBS	00015	02.72	32.770	26.15		1459.6							
	STD	00020	02.52	32.82	26.21	00.040	1457.9							
	OBS	00020	02.52	32.820	26.21		1457.9							
	STD	00030	01.22	32.71	26.22	00.058	1452.2							
	OBS	00030	01.22	32.715	26.22		1452.2							
	STD	00050	00.27	32.87	26.40	00.093	1448.4							
	OBS	00050	00.27	32.870	26.40		1448.4							
	OBS	00060	- 0.88	33.130	26.66		1443.6							
	OBS	00064	- 1.13	33.155	26.68		1442.5							
	OBS	00072	- 1.13	33.230	26.75		1442.8							
	STD	00075	- 1.20	33.21	26.73	00.130	1442.5							
	OBS	00075	- 1.20	33.210	26.73		1442.5							
	OBS	00085	- 1.61	33.270	26.79		1440.8							
	OBS	00097	- 0.85	33.440	26.91		1444.8							
	STD	00100	- 0.92	33.46	26.93	00.160	1444.6							
	OBS	00100	- 0.92	33.465	26.93		1444.6							
	OBS	00102	- 0.86	33.465	26.93		1444.9							
	OBS	00108	- 1.15	33.490	26.96		1443.6							
	STD	00125	00.22	33.82	27.16	00.186	1450.7							
	OBS	00125	00.22	33.820	27.16		1450.7							
	STD	00150	04.30	34.20	27.14	00.209	1469.5							
	OBS	00150	04.30	34.205	27.14		1469.5							
	OBS	00160	04.31	34.200	27.14		1469.7							
	STD	00200	07.09	34.75	27.23	00.255	1482.4							
	OBS	00200	07.09	34.750	27.23		1482.4							
	OBS	00209	07.09	34.750	27.23		1482.5							
	OBS	00220	06.78	34.710	27.24		1481.4							
	OBS	00230	06.83	34.750	27.27		1481.8							
	STD	00250	05.73	34.58	27.28	00.298	1477.5							
	OBS	00250	05.73	34.580	27.28		1477.5							
	OBS	00265	03.24	34.250	27.29		1467.0							
	OBS	00290	03.45	34.365	27.36		1468.4							
	STD	00300	03.49	34.38	27.37	00.337	1468.8							
	OBS	00300	03.49	34.380	27.37		1468.8							
	OBS	00312	03.55	34.390	27.37		1469.3							
	OBS	00325	01.59	34.220	27.40		1460.7							
	OBS	00340	01.22	34.190	27.40		1459.3							
	OBS	00347	01.22	34.230	27.43		1459.5							
	OBS	00380	02.06	34.470	27.56		1464.1							
	STD	00400	02.12	34.47	27.56	00.402	1464.7							
	OBS	00400	02.12	34.470	27.56		1464.7							
	OBS	00410	02.54	34.580	27.61		1466.8							
	OBS	00440	03.05	34.615	27.60		1469.5							
	OBS	00450	03.71	34.680	27.58		1472.6							
	OBS	00455	03.87	34.680	27.57		1473.4							
	OBS	00462	03.16	34.690	27.64		1470.5							
	OBS	00490	03.89	34.750	27.62		1474.1							
	STD	00500	04.52	34.89	27.66	00.454	1477.1							
	OBS	00500	04.52	34.890	27.66		1477.1							
	OBS	00505	04.52	34.850	27.63		1477.1							
	OBS	00520	04.57	34.910	27.67		1477.7							
	OBS	00542	04.39	34.870	27.66		1477.2							
	OBS	00548	04.30	34.830	27.64		1476.9							
	OBS	00558	04.30	34.865	27.67		1477.1							
	OBS	00565	04.39	34.885	27.67		1477.6							
	OBS	00570	04.24	34.830	27.65		1477.0							
	OBS	00582	04.17	34.855	27.67		1477.0							
	OBS	00589	04.25	34.870	27.68		1477.4							
	STD	00600	04.02	34.85	27.69	00.503	1476.6							
	OBS	00600	04.02	34.850	27.69		1476.6							
	OBS	00610	04.05	34.850	27.68		1476.9							
	OBS	00640	04.35	34.905	27.69		1478.8							
	OBS	00650	04.11	34.865	27.69		1477.9							
	OBS	00660	04.17	34.900	27.71		1478.3							
	OBS	00670	04.14	34.900	27.71		1478.4							
	OBS	00690	04.37	34.970	27.74		1479.8							
	STD	00700	04.35	34.94	27.72	00.549	1479.8							
	OBS	00700	04.35	34.940	27.72		1479.8							
	OBS	00707	04.35	34.930	27.71		1479.9							
	OBS	00715	04.21	34.895	27.70		1479.4							
	OBS	00740	04.39	34.950	27.73		1480.6							
	OBS	00752	04.29	34.925	27.72		1480.4							
	OBS	00778	04.32	34.920	27.71		1480.9							
	STD	00800	04.23	34.94	27.74	00.595	1481.0							
	OBS	00800	04.23	34.945	27.74		1481.0							
	OBS	00810	04.17	34.930	27.73		1480.9							
	OBS	00835	04.17	34.925	27.73		1481.3							
	OBS	00850	04.15	34.930	27.74		1481.4							
	OBS	00881	04.17	34.940	27.74		1482.1							
	OBS	00890	04.22	34.950	27.74		1482.4							
	STD	00900	04.22	34.95	27.74	00.640	1482.6							
	OBS	00900	04.22	34.950	27.74		1482.6							
	OBS	00940	04.22	34.960	27.75		1483.3							
	STD	01000	04.11	34.95	27.76	00.685	1483.8							
	OBS	01000	04.11	34.950	27.76		1483.8							
	OBS	01050	04.05	34.945	27.76		1484.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03036	AIR TEMP 10.6	DIR HGT PER	#IND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0155	MONTH 06	SHIP EV	#ET BULB 08.9	00 0 X	#IND-SPD 09	TRACE DIR D	5 SQUARE 2
LAT 42 52 N	DAY 16	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 28
LONG 048 36 W	HOUR 00.9	AREA 05	CLOUD T/A	CL/TR	#WEATHER X2	ORIG IIP 111	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	11.78	33.44	25.44	00.000	1494.7							
00.9	OBS	00000	11.78	33.440	25.44		1494.7							
	STD	00010	09.98	33.81	26.05	00.023	1489.0							
	OBS	00010	09.98	33.810	26.05		1489.0							
	STD	00020	01.98	33.11	26.48	00.040	1455.9							
	OBS	00020	01.98	33.110	26.48		1455.9							
	STD	00030	03.89	33.39	26.54	00.056	1464.7							
	STD	00050	05.18	33.97	26.86	00.083	1471.2							
	OBS	00050	05.18	33.970	26.86		1471.2							
	OBS	00060	04.56	34.260	27.16		1469.2							
	STD	00075	05.28	34.36	27.16	00.109	1472.6							
	OBS	00075	05.28	34.365	27.16		1472.6							
	OBS	00090	05.41	34.395	27.17		1473.4							
	STD	00100	05.28	34.37	27.17	00.132	1473.0							
	OBS	00100	05.28	34.370	27.17		1473.0							
	OBS	00120	05.58	34.440	27.18		1474.6							
	STD	00125	05.13	34.46	27.25	00.154	1472.9							
	OBS	00125	05.13	34.460	27.25		1472.9							
	OBS	00130	05.38	34.480	27.24		1474.0							
	STD	00150	04.78	34.44	27.28	00.175	1471.8							
	OBS	00150	04.78	34.440	27.28		1471.8							
	OBS	00165	05.00	34.520	27.32		1473.1							
	OBS	00175	04.72	34.490	27.32		1472.1							
	STD	00200	05.41	34.66	27.38	00.214	1475.5							
	OBS	00200	05.41	34.660	27.38		1475.5							
	OBS	00207	05.41	34.685	27.40		1475.7							
	OBS	00211	05.86	34.780	27.42		1477.7							
	OBS	00220	06.11	34.870	27.46		1479.0							
	OBS	00230	06.11	34.845	27.44		1479.1							
	STD	00250	05.75	34.79	27.44	00.249	1477.9							
	OBS	00250	05.75	34.790	27.44		1477.9							
	STD	00300	05.51	34.88	27.54	00.281	1477.5							
	OBS	00300	05.51	34.880	27.54		1477.9							
	OBS	00311	05.42	34.890	27.56		1477.7							
	OBS	00321	05.42	34.920	27.58		1477.9							
	OBS	00328	05.46	34.930	27.59		1478.2							
	OBS	00350	05.15	34.910	27.61		1477.3							
	STD	00400	05.10	34.96	27.65	00.336	1478.0							
	OBS	00400	05.10	34.960	27.65		1478.0							
	OBS	00410	05.10	34.970	27.66		1478.1							
	OBS	00440	05.01	34.990	27.69		1478.3							
	STD	00500	04.78	34.98	27.71	00.384	1478.3							
	OBS	00500	04.78	34.980	27.71		1478.3							
	OBS	00530	04.73	34.975	27.71		1478.6							
	OBS	00590	04.51	34.965	27.72		1478.7							
	STD	00600	04.51	34.98	27.74	00.428	1478.9							
	OBS	00600	04.51	34.980	27.74		1478.9							
	OBS	00606	04.48	34.960	27.72		1478.8							
	OBS	00632	04.48	34.975	27.74		1479.3							
	OBS	00650	04.52	34.990	27.74		1479.7							
	OBS	00668	04.52	34.990	27.74		1480.0							
	STD	00700	04.29	34.95	27.74	00.472	1479.6							
	OBS	00700	04.29	34.950	27.74		1479.6							
	OBS	00743	04.29	34.965	27.75		1480.3							
	OBS	00750	04.21	34.950	27.75		1480.1							
	STD	00800	04.19	34.96	27.76	00.516	1480.8							
	OBS	00800	04.19	34.960	27.76		1480.8							
	OBS	00880	03.99	34.935	27.76		1481.3							
	STD	00900	03.98	34.93	27.76	00.559	1481.6							
	OBS	00900	03.98	34.935	27.76		1481.6							
	OBS	00905	03.98	34.935	27.76		1481.7							
	OBS	00920	03.91	34.925	27.76		1481.6							
	STD	01000	03.87	34.92	27.76	00.603	1482.8							
	OBS	01000	03.87	34.920	27.76		1482.8							
	OBS	01028	03.85	34.935	27.77		1483.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 02483	AIR TEMP 12.2	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0156	MONTH 05	SHIP EV	WET BULB 11.1	00 0 X	WIND-SPD 09	TRACE DIR)	5 SQUARE 2
LAT 43 03.5N	DAY 16	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 28
LONG 048 42.0W	HOUR 03.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG TIP 111	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.57	32.48	25.75	00.000	1465.9							
03.2	OBS	00000	04.57	32.479	25.75		1465.9							
	STD	00010	02.48	32.56	26.01	00.021	1457.2							
	OBS	00010	02.48	32.560	26.01		1457.2							
	STD	00020	02.07	32.86	26.28	00.040	1456.0							
	OBS	00020	02.07	32.860	26.28		1456.0							
	STD	00030	00.23	33.01	26.52	00.057	1448.1							
	OBS	00030	00.23	33.015	26.52		1448.1							
	OBS	00040	00.15	33.240	26.70		1448.2							
	OBS	00045	00.92	33.360	26.76		1451.9							
	STD	00050	00.42	33.47	26.87	00.084	1449.9							
	OBS	00050	00.42	33.470	26.87		1449.9							
	OBS	00060	00.53	33.665	27.02		1450.8							
	OBS	00066	00.11	33.640	27.03		1449.0							
	STD	00075	00.38	33.75	27.10	00.111	1450.5							
	OBS	00075	00.38	33.750	27.10		1450.5							
	STD	00100	01.68	34.12	27.31	00.133	1457.3							
	OBS	00100	01.68	34.120	27.31		1457.3							
	OBS	00105	01.75	34.095	27.29		1457.6							
	STD	00125	04.45	34.58	27.43	00.151	1470.2							
	OBS	00141	04.95	34.630	27.41		1472.6							
	OBS	00147	04.76	34.570	27.38 *		1471.9							
	STD	00150	04.93	34.66	27.44	00.167	1472.7							
	OBS	00150	04.93	34.660	27.44		1472.7							
	OBS	00170	04.62	34.560	27.39 *		1471.7							
	OBS	00175	04.95	34.745	27.50		1473.3							
	STD	00200	04.73	34.70	27.49	00.200	1472.8							
	OBS	00200	04.73	34.700	27.49		1472.8							
	OBS	00220	04.73	34.715	27.50		1473.1							
	OBS	00240	05.31	34.870	27.56		1476.1							
	STD	00250	05.30	34.88	27.57	00.230	1476.2							
	OBS	00250	05.30	34.880	27.57		1476.2							
	OBS	00270	05.44	34.940	27.60		1477.2							
	STD	00300	05.20	34.93	27.62	00.257	1476.7							
	OBS	00300	05.20	34.930	27.62		1476.7							
	OBS	00333	05.06	34.940	27.64		1476.7							
	STD	00400	03.48	34.75	27.67	00.306	1470.9							
	OBS	00400	03.48	34.755	27.67		1470.9							
	OBS	00485	04.20	34.920	27.72		1475.4							
	STD	00500	04.18	34.89	27.70	00.352	1475.7							
	OBS	00500	04.18	34.890	27.70		1475.7							
	OBS	00510	04.08	34.890	27.71		1475.5							
	OBS	00580	04.08	34.900	27.72		1476.6							
	STD	00600	04.13	34.92	27.73	00.397	1477.2							
	OBS	00600	04.13	34.920	27.73		1477.2							
	OBS	00630	04.35	34.960	27.74		1478.7							
	OBS	00660	04.33	34.950	27.73		1479.1							
	OBS	00670	04.21	34.935	27.73		1478.?							
	STD	00700	04.20	34.94	27.74	00.440	1479.2							
	OBS	00700	04.20	34.945	27.74		1479.2							
	OBS	00710	04.26	34.960	27.75		1479.6							
	STD	00800	04.25	34.95	27.74	00.484	1481.1							
	OBS	00800	04.25	34.950	27.74		1481.1							
	STD	00900	04.15	34.95	27.75	00.529	1482.3							
	OBS	00900	04.15	34.950	27.75		1482.3							
	STD	01000	04.02	34.93	27.75	00.573	1483.4							
	OBS	01000	04.02	34.935	27.75		1483.4							
	OBS	01033	03.98	34.935	27.76		1483.8							

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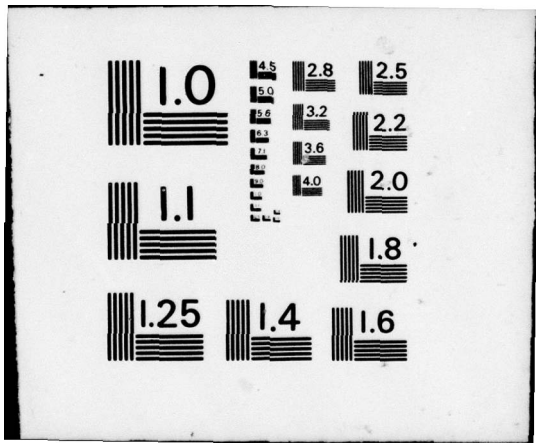

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00836	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1306
CONSEC 0157	MONTH 06	SHIP EV	WET BULB 10.6	00 0 X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 43 15.5N	DAY 16	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 049 23.5W	HOUR 07.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.15	32.65	25.82	00.000	1468.5							
07.4	OBS	00000	05.15	32.650	25.82		1468.5							
	STD	00010	01.98	32.61	26.08	00.021	1455.1							
	OBS	00010	01.98	32.610	26.08		1455.1							
	STD	00020	- 0.67	32.70	26.30	00.039	1443.3							
	OBS	00020	- 0.67	32.700	26.30		1443.3							
	STD	00030	- 1.09	33.03	26.58	00.055	1442.0							
	OBS	00030	- 1.09	33.030	26.58		1442.0							
	OBS	00040	- 1.56	33.120	26.67		1440.1							
	STD	00050	- 1.55	33.27	26.79	00.082	1440.5							
	OBS	00050	- 1.55	33.270	26.79		1440.5							
	OBS	00060	- 1.51	33.270	26.79		1440.8							
	OBS	00070	- 1.57	33.275	26.79		1440.7							
	STD	00075	- 1.50	33.32	26.83	00.113	1441.2							
	OBS	00075	- 1.50	33.320	26.83		1441.2							
	STD	00100	- 1.25	33.41	26.89	00.143	1442.9							
	OBS	00100	- 1.25	33.410	26.89		1442.9							
	STD	00125	- 0.77	33.51	26.96	00.171	1445.7							
	OBS	00125	- 0.77	33.515	26.96		1445.7							
	STD	00150	- 0.39	33.63	27.04	00.198	1449.1							
	OBS	00150	- 0.39	33.625	27.04		1448.1							
	STD	00200	00.13	33.80	27.15	00.247	1451.5							
	OBS	00200	00.13	33.800	27.15		1451.5							
	OBS	00210	00.33	33.860	27.19		1452.7							
	STD	00250	00.55	33.96	27.26	00.290	1454.5							
	OBS	00250	00.55	33.965	27.26		1454.5							
	STD	00300	00.74	34.07	27.34	00.329	1456.3							
	OBS	00300	00.74	34.070	27.34		1456.3							
	OBS	00312	01.64	34.130	27.32		1460.6							
	OBS	00333	01.33	34.190	27.39		1459.7							
	OBS	00360	02.37	34.490	27.56		1465.1							
	STD	00400	03.01	34.56	27.56	00.395	1468.6							
	OBS	00400	03.01	34.560	27.56		1468.6							
	OBS	00425	03.24	34.630	27.59		1470.1							
	OBS	00479	03.31	34.685	27.63		1471.4							
	STD	00500	03.45	34.72	27.64	00.449	1472.4							
	OBS	00500	03.45	34.725	27.64		1472.4							
	OBS	00579	03.89	34.850	27.70		1475.7							
	STD	00600	03.90	34.84	27.69	00.497	1476.1							
	OBS	00600	03.90	34.840	27.69		1476.1							
	OBS	00615	03.90	34.845	27.69		1476.4							
	STD	00700	04.01	34.88	27.71	00.543	1478.3							
	OBS	00700	04.01	34.875	27.71		1478.3							
	STD	00800	04.05	34.89	27.72	00.590	1480.1							
	OBS	00800	04.05	34.895	27.72		1480.1							
	OBS	00810	04.05	34.900	27.72		1480.3							

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REFID 31 8296	YEAR 1972	BOTDP 00240	AIR TEMP 11.1	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0158	MONTH 06	SHIP EV	WET BULB 10.6	10 0 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 43 18.5N	DAY 16	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 28.5W	HOUR 09.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.32	32.63	25.89	00.000	1465.0							
09.4	OBS	00000	04.32	32.625	25.89		1465.0							
	STD	00010	03.38	32.62	25.98	00.021	1461.2							
	OBS	00010	03.38	32.620	25.98		1461.2							
	STD	00020	02.42	32.70	26.13	00.040	1457.3							
	OBS	00020	02.42	32.705	26.13		1457.3							
	STD	00030	- 0.22	32.66	26.25	00.059	1445.5							
	OBS	00030	- 0.22	32.660	26.25		1445.5							
	STD	00050	- 1.05	32.93	26.50	00.092	1442.4							
	OBS	00050	- 1.05	32.930	26.50		1442.4							
	STD	00075	- 1.47	33.05	26.61	00.129	1441.0							
	OBS	00075	- 1.47	33.055	26.61		1441.0							
	OBS	00085	- 1.56	33.125	26.67		1440.8							
	STD	00100	- 1.58	33.22	26.75	00.163	1441.1							
	OBS	00100	- 1.58	33.225	26.75		1441.1							
	OBS	00108	- 1.58	33.245	26.77		1441.3							
	STD	00125	- 1.37	33.32	26.82	00.195	1442.6							
	OBS	00125	- 1.37	33.320	26.82		1442.6							
	STD	00150	- 1.19	33.36	26.85	00.225	1444.0							
	OBS	00150	- 1.19	33.360	26.85		1444.0							
	OBS	00161	- 1.14	33.395	26.88		1444.4							
	OBS	00190	00.08	33.710	27.08		1451.0							
	STD	00200	00.18	33.79	27.15	00.278	1451.7							
	OBS	00200	00.18	33.795	27.15		1451.7							
	OBS	00217	00.39	33.900	27.22		1453.1							
	OBS	00238	00.49	33.925	27.23		1454.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00078	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0159	MONTH 06	SHIP EV	WET BULB 09.4	LO 0 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 43 20.0N	DAY 16	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 049 34.0W	HOUR 10.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	06.80	32.81	25.74	00.000	1475.4							
10.1	OBS	00000	06.80	32.810	25.74		1475.4							
	OBS	00002	07.60	32.890	25.70 *		1478.7							
	OBS	00005	06.94	32.680	25.62 *		1475.8							
	STD	00010	06.85	32.81	25.74	00.023	1475.7							
	OBS	00010	06.85	32.810	25.74		1475.7							
	OBS	00017	05.53	32.760	25.86		1470.5							
	STD	00020	04.35	32.68	25.93	00.044	1465.5							
	OBS	00020	04.35	32.685	25.93		1465.5							
	OBS	00025	02.33	32.580	26.03		1456.8							
	STD	00030	01.40	32.78	26.26	00.064	1453.0							
	OBS	00030	01.40	32.780	26.26		1453.0							
	OBS	00035	00.79	32.955	26.44		1450.6							
	OBS	00040	00.03	32.900	26.43		1447.2							
	OBS	00045	- 0.05	32.990	26.51		1447.0							
	STD	00050	- 0.24	33.09	26.60	00.096	1446.4							
	OBS	00053	- 0.33	33.140	26.64		1446.1							
	STD	00075	- 0.52	33.20	26.70	00.131	1445.6							
	OBS	00075	- 0.52	33.200	26.70		1445.6							

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REFID 31 8296	YEAR 1972	BOTDP 00060	AIR TEMP 10.6	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0160	MONTH 06	SHIP EV	WET BULB 10.0	00 0 X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 43 22.5N	DAY 16	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 049 39.0W	HOUR 10.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P4
	STD	00000	10.51	32.75	25.13	00.000	1489.4							
10.8	OBS	00000	10.51	32.750	25.13		1489.4							
	STD	00010	08.48	32.74	25.45	00.027	1482.0							
	OBS	00010	08.48	32.740	25.45		1482.0							
	STD	00020	02.25	32.66	26.10	00.049	1456.5							
	OBS	00020	02.25	32.660	26.10		1456.5							
	STD	00030	01.73	32.90	26.34	00.067	1454.7							
	OBS	00030	01.73	32.905	26.34		1454.7							
	STD	00050	01.14	32.96	26.42	00.100	1452.5							
	OBS	00050	01.14	32.960	26.42		1452.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00183	AIR TEMP 12.2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0161	MONTH 06	SHIP EV	WET BULB 10.6	12 0 2	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 36.5N	DAY 16	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 048 57.0W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	P4
	STD	00000	06.05	32.71	25.77	00.000	1472.3							
18.0	OBS	00000	06.05	32.715	25.77		1472.3							
	STD	00010	03.54	32.34	25.74 •	00.023	1461.5							
	OBS	00013	02.98	32.260	25.73		1459.0							
	STD	00020	02.38	32.18	25.71	00.045	1456.4							
	STD	00030	01.54	32.16	25.75	00.068	1452.8							
	OBS	00030	01.54	32.160	25.75		1452.8							
	STD	00050	- 0.83	32.82	26.41	00.107	1443.3							
	OBS	00070	- 1.74	33.175	26.72		1439.8							
	STD	00075	- 1.74	33.21	26.75	00.143	1439.9							
	OBS	00075	- 1.74	33.215	26.75		1439.9							
	OBS	00088	- 1.69	33.295	26.81		1440.5							
	OBS	00095	- 1.71	33.310	26.83		1440.5							
	STD	00100	- 1.55	33.38	26.88	00.174	1441.5							
	OBS	00100	- 1.55	33.380	26.88		1441.5							
	STD	00125	- 1.17	33.44	26.92	00.203	1443.8							
	OBS	00125	- 1.17	33.440	26.92		1443.8							
	OBS	00140	- 1.17	33.450	26.92		1444.0							
	STD	00150	- 1.10	33.46	26.93	00.232	1444.5							
	OBS	00150	- 1.10	33.465	26.93		1444.5							
	OBS	00161	- 0.90	33.510	26.96		1445.7							

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REFID 31 8296	YEAR 1972	BOTDP 01062	AIR TEMP 12.2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0162	MONTH 06	SHIP EV	WET BULB 10.6	26 1 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 44 34.5N	DAY 16	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FOR	DURATION 09.2	2 SQUARE 48
LONG 048 50.0W	HOUR 19.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	P4
	STD	00000	05.61	32.61	25.74	00.000	1470.3							
18.7	OBS	00000	05.61	32.615	25.74		1470.3							
	STD	00010	03.14	32.37	25.80	00.022	1459.8							
	STD	00020	00.98	32.36	25.95	00.044	1450.4							
	OBS	00020	00.98	32.360	25.95		1450.4							
	STD	00030	- 0.84	32.91	26.15	00.063	1442.4							
	OBS	00032	- 1.20	32.640	26.27		1441.0							
	OBS	00033	- 1.04	32.720	26.33		1441.8							
	STD	00050	- 1.42	33.10	26.65	00.096	1440.9							
	OBS	00050	- 1.42	33.105	26.65		1440.9							
	OBS	00058	- 1.59	33.160	26.70		1440.3							
	OBS	00069	- 1.36	33.360	26.86		1441.8							
	STD	00075	- 1.24	33.32	26.83 •	00.129	1442.4							
	OBS	00075	- 1.24	33.325	26.83		1442.4							
	OBS	00083	- 1.12	33.460	26.93		1443.3							
	STD	00100	- 1.22	33.45	26.93	00.158	1443.1							
	OBS	00100	- 1.22	33.450	26.93		1443.1							
	STD	00125	- 0.69	33.55	26.99	00.186	1446.2							
	OBS	00125	- 0.69	33.550	26.99		1446.2							
	STD	00150	- 0.59	33.59	27.02	00.212	1447.1							
	OBS	00150	- 0.59	33.590	27.02		1447.1							
	STD	00200	- 0.07	33.83	27.19	00.261	1450.6							
	OBS	00200	- 0.07	33.830	27.19		1450.6							
	STD	00250	00.12	33.91	27.24	00.304	1452.5							
	OBS	00250	00.12	33.910	27.24		1452.5							
	STD	00300	00.59	34.05	27.33	00.343	1455.6							
	OBS	00300	00.59	34.055	27.33		1455.6							
	OBS	00320	00.61	34.070	27.34		1456.1							
	STD	00400	02.18	34.50	27.58	00.408	1465.0							
	OBS	00400	02.19	34.500	27.58		1465.0							
	STD	00500	03.80	34.83	27.69	00.458	1474.0							
	OBS	00500	03.80	34.830	27.69		1474.0							
	OBS	00550	03.98	34.870	27.71		1475.7							
	STD	00600	03.97	34.88	27.72	00.503	1476.5							
	OBS	00600	03.97	34.880	27.72		1476.5							
	STD	00700	04.00	34.89	27.72	00.548	1478.3							
	OBS	00700	04.00	34.890	27.72		1478.3							
	STD	00800	04.05	34.91	27.73	00.593	1480.7							
	OBS	00809	04.05	34.910	27.73		1480.2							
	STD	00900	04.06	34.91	27.73	00.639	1481.9							
	OBS	00900	04.06	34.910	27.73		1481.9							
	STD	01000	04.05	34.91	27.73	00.686	1483.5							
	OBS	01000	04.05	34.910	27.73		1483.5							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 01920	AIR TEMP 10.6	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0163	MONTH 06	SHIP EV	WET BULB 08.9	26 2 2	WIND-SPD 21	TRACE DIR)	5 SQUARE 2
LAT 44 32.5N	DAY 16	DATA USE L	BAROMETR 1026.8	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 48
LONG 048 39.5W	HOUR 20.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	P4
	STD	00000	03.56	32.30	25.71	00.000	1461.4							
20.2	OBS	00000	03.56	32.305	25.71		1461.4							
	OBS	00005	03.59	32.300	25.70		1461.6							
	STD	00010	03.15	32.31	25.75	00.023	1459.8							
	STD	00020	01.88	32.33	25.87	00.045	1456.4							
	OBS	00020	01.88	32.330	25.87		1456.4							
	STD	00030	00.08	32.52	26.13	00.065	1446.7							
	OBS	00030	00.08	32.525	26.13		1446.7							
	OBS	00035	- 0.38	32.840	26.40		1445.1							
	OBS	00039	- 0.25	33.090	26.60		1446.1							
	OBS	00040	- 0.64	33.070	26.60		1444.3							
	OBS	00046	- 0.34	33.060	26.58		1445.8							
	STD	00050	- 0.92	33.18	26.70	00.097	1443.3							
	OBS	00050	- 0.92	33.180	26.70		1443.3							
	OBS	00056	- 1.03	33.275	26.78		1443.0							
	OBS	00060	- 0.90	33.320	26.81		1443.8							
	OBS	00065	- 1.08	33.280	26.78		1443.0							
	STD	00075	- 0.82	33.43	26.90	00.129	1444.6							
	OBS	00075	- 0.82	33.430	26.90		1444.6							
	OBS	00078	- 0.89	33.450	26.91		1444.3							
	OBS	00083	- 0.86	33.485	26.94		1444.6							
	OBS	00089	- 0.92	33.500	26.96		1444.4							
	STD	00100	- 0.37	33.70	27.10	00.155	1447.4							
	OBS	00100	- 0.37	33.705	27.10		1447.4							
	STD	00125	00.31	33.73	27.09	00.180	1451.0							
	OBS	00125	00.31	33.730	27.09		1451.0							
	STD	00150	- 0.28	33.84	27.21	00.203	1448.9							
	OBS	00150	- 0.28	33.840	27.21		1448.9							
	STD	00200	00.41	34.07	27.36	00.243	1453.2							
	OBS	00200	00.41	34.070	27.36		1453.2							
	OBS	00218	00.45	34.095	27.37		1453.7							
	STD	00250	01.25	34.27	27.46	00.277	1458.1							
	OBS	00250	01.25	34.270	27.46		1458.1							
	STD	00300	02.02	34.45	27.55	00.307	1462.5							
	OBS	00300	02.02	34.450	27.55		1462.5							
	STD	00400	03.64	34.81	27.69	00.357	1471.7							
	OBS	00400	03.64	34.810	27.69		1471.7							
	STD	00500	04.05	34.86	27.69	00.402	1475.1							
	OBS	00500	04.05	34.860	27.69		1475.1							
	OBS	00522	04.20	34.910	27.71		1476.2							
	OBS	00530	04.12	34.870	27.69		1475.9							
	OBS	00545	04.35	34.940	27.72		1477.2							
	STD	00600	04.28	34.93	27.72	00.448	1477.8							
	OBS	00600	04.28	34.930	27.72		1477.8							
	OBS	00690	04.16	34.930	27.74		1478.8							
	STD	00700	04.24	34.95	27.74	00.492	1479.4							
	OBS	00700	04.24	34.950	27.74		1479.4							
	OBS	00758	04.27	34.950	27.74		1480.4							
	STD	00800	04.17	34.93	27.74	00.536	1480.7							
	OBS	00800	04.17	34.935	27.74		1480.7							
	OBS	00818	04.10	34.930	27.74		1480.7							
	STD	00900	04.04	34.90	27.72	00.582	1481.8							
	STD	01000	03.99	34.86	27.70	00.630	1483.2							
	OBS	01000	03.99	34.860	27.70		1483.2							
	OBS	01060	03.98	34.920	27.75		1484.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	SOTOP 03076	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0164	MONTH 06	SHIP EV	WET BULB 09.4	26 2 4	WIND-SPD 19	TRACE DIR 0	5 SQUARE 2
LAT 44 27.5N	DAY 16	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 20.0W	HOUR 22.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	PH
	STD	00000	06.60	32.66	25.65	00.000	1474.4							
22.5	OBS	00000	06.60	32.660	25.65		1474.4							
	STD	00010	04.93	32.77	25.94	00.022	1467.9							
	OBS	00010	04.93	32.770	25.94		1467.9							
	STD	00020	03.23	32.96	26.26	00.041	1461.2							
	OBS	00020	03.23	32.960	26.26		1461.2							
	STD	00030	01.89	33.24	26.59	00.057	1455.9							
	OBS	00030	01.89	33.240	26.59		1455.9							
	STD	00050	00.64	33.46	26.85	00.084	1450.9							
	OBS	00050	00.64	33.460	26.85		1450.9							
	OBS	00068	00.42	33.835	27.17		1450.7							
	STD	00075	00.73	33.96	27.25	00.110	1452.4							
	OBS	00075	00.73	33.960	27.25		1452.4							
	[illegible]	00088	01.17	34.100	27.33		1454.8							
	STD	00100	00.96	34.11	27.35	00.129	1454.1							
	OBS	00100	00.96	34.110	27.35		1454.1							
	OBS	00111	01.16	34.240	27.45		1455.3							
	STD	00125	01.28	34.30	27.49	00.146	1456.2							
	OBS	00125	01.28	34.300	27.49		1456.2							
	STD	00150	02.40	34.44	27.51	00.161	1461.7							
	OBS	00150	02.40	34.440	27.51		1461.7							
	OBS	00170	03.45	34.620	27.56		1466.8							
	OBS	00176	03.28	34.580	27.55		1466.1							
	STD	00200	03.15	34.59	27.57	00.189	1466.0							
	OBS	00200	03.15	34.590	27.57		1466.0							
	OBS	00217	02.67	34.560	27.59		1464.2							
	OBS	00225	03.03	34.640	27.62		1466.0							
	STD	00250	03.78	34.77	27.65	00.215	1469.7							
	OBS	00250	03.78	34.775	27.65		1469.7							
	OBS	00290	04.75	34.940	27.68		1474.7							
	STD	00300	04.60	34.90	27.66	00.238	1474.2							
	OBS	00300	04.60	34.900	27.66		1474.2							
	OBS	00338	04.33	34.880	27.68		1473.6							
	OBS	00356	04.37	34.910	27.70		1474.1							
	OBS	00380	04.24	34.900	27.70		1474.0							
	OBS	00390	04.28	34.910	27.71		1474.3							
	STD	00400	04.23	34.89	27.70	00.284	1474.3							
	OBS	00400	04.23	34.895	27.70		1474.3							
	OBS	00450	04.18	34.900	27.71		1474.9							
	STD	00500	04.23	34.92	27.72	00.328	1476.0							
	OBS	00500	04.23	34.920	27.72		1476.0							
	OBS	00525	04.28	34.945	27.73		1476.6							
	STD	00600	04.10	34.92	27.73	00.372	1477.1							
	OBS	00600	04.10	34.920	27.73		1477.1							
	OBS	00625	04.17	34.930	27.73		1477.8							
	OBS	00647	04.12	34.920	27.73		1477.9							
	OBS	00665	04.17	34.940	27.74		1478.5							
	STD	00700	04.14	34.94	27.75	00.415	1478.9							
	OBS	00700	04.14	34.940	27.75		1478.9							
	OBS	00760	04.08	34.930	27.74		1479.7							
	OBS	00782	04.12	34.940	27.75		1480.2							
	STD	00800	04.08	34.93	27.74	00.459	1480.3							
	OBS	00800	04.08	34.930	27.74		1480.3							
	STD	00900	03.99	34.92	27.75	00.503	1481.6							
	OBS	00900	03.99	34.920	27.75		1481.6							
	STD	01000	03.98	34.92	27.75	00.548	1483.2							
	OBS	01000	03.98	34.925	27.75		1483.2							
	OBS	01024	04.00	34.940	27.76		1483.7							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

PERID 31 8296	YEAR 1972	NOTOP 03386	AIR TEMP 11.7	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0165	MONTH 06	SHIP EV	WET BULB 10.6	22 1 3	WIND-SPD 12	TRACE DIR 3	5 SQUARE 2
LAT 44 21.5N	DAY 17	DATA USE 1	BAROMETR 1029.5	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 46
LONG 042 54 W	HOUR 01.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG TIP 111	1 SQUARE 47

CASENUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
	STD	00000	10.38	33.52	25.75	00.000	1489.9							
01.2	OBS	00000	10.38	33.520	25.75		1489.9							
	STD	00013	10.16	33.53	25.79	00.022	1489.3							
	OBS	00017	09.33	33.960	26.27		1486.9							
	STD	00020	08.80	34.25	26.59	00.041	1485.3							
	OBS	00020	08.80	34.255	26.59		1485.3							
	OBS	00025	08.31	34.260	26.67		1483.6							
	STD	00033	08.56	34.46	26.78	00.054	1486.9							
	OBS	00040	08.58	34.460	26.78		1486.9							
	OBS	00040	09.00	34.730	24.93		1487.0							
	STD	00050	08.48	34.72	27.00	00.078	1485.2							
	OBS	00050	09.44	34.720	27.00		1485.2							
	OBS	00060	08.25	34.680	27.01		1484.4							
	OBS	00070	07.25	34.480	27.00		1480.5							
	STD	00075	07.39	34.63	27.09	00.104	1481.3							
	OBS	00075	07.38	34.630	27.09		1481.3							
	OBS	00087	06.63	34.480	27.08		1478.3							
	OBS	00095	07.03	34.600	27.12		1480.2							
	STD	00100	06.93	34.60	27.13	00.128	1479.9							
	OBS	00100	06.93	34.600	27.13		1479.9							
	OBS	00114	06.70	34.610	27.17		1479.2							
	STD	00125	06.91	34.66	27.19	00.151	1480.3							
	OBS	00140	07.10	34.710	27.20		1481.4							
	STD	00150	07.18	34.73	27.20	00.174	1481.9							
	OBS	00150	07.18	34.730	27.20		1481.9							
	OBS	00180	07.40	34.820	27.24		1483.3							
	STD	00200	06.48	34.74	27.31	00.217	1479.9							
	OBS	00200	06.48	34.740	27.31		1479.9							
	STD	00250	06.18	34.74	27.35	00.256	1479.6							
	OBS	00250	06.18	34.740	27.35		1479.6							
	OBS	00270	05.83	34.765	27.39		1478.5							
	STD	00300	05.69	34.77	27.44	00.293	1478.5							
	OBS	00300	05.69	34.775	27.44		1478.5							
	OBS	00330	05.78	34.885	27.51		1479.5							
	OBS	00350	05.38	34.850	27.53		1478.1							
	STD	00400	05.43	34.93	27.59	00.356	1479.3							
	OBS	00400	05.43	34.930	27.59		1479.3							
	OBS	00429	05.41	34.975	27.63		1479.7							
	STD	00500	05.05	34.97	27.67	00.409	1479.4							
	OBS	00500	05.05	34.975	27.67		1479.4							
	STD	00603	04.71	34.97	27.71	00.456	1479.7							
	OBS	00600	04.71	34.970	27.71		1479.7							
	STD	00700	04.63	34.98	27.72	00.503	1481.0							
	OBS	00700	04.63	34.980	27.72		1481.0							
	STD	00800	04.32	34.96	27.75	00.548	1481.4							
	OBS	00800	04.32	34.965	27.75		1481.4							
	STD	00900	04.15	34.94	27.75	00.593	1482.3							
	OBS	00900	04.15	34.945	27.75		1482.3							
	STD	01000	04.16	34.96	27.76	00.637	1484.0							
	OBS	01000	04.16	34.960	27.76		1484.0							
	OBS	01079	04.14	34.960	27.76		1484.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 03200	AIR TEMP 11.7	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0166	MONTH 05	SHIP EV	WET BULB 10.6	28 2 2	WIND-SPD 15	TRACE DIR 3	5 SQUARE 4
LAT 45 27 N	DAY 17	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 66
LONG 046 59 W	HOUR 07.9	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG IIP 111	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P16	TOT P	NO2	NO3	SI33	P4
	STD	00000	08.90	33.22	25.77	00.000	1484.0							
07.9	OBS	00000	08.90	33.225	25.77		1484.0							
	STD	00010	07.73	33.42	26.09	00.021	1480.0							
	OBS	00010	07.73	33.420	26.09		1480.0							
	STD	00020	04.89	33.62	26.46	00.038	1468.7							
	OBS	00020	04.88	33.620	26.46		1468.7							
	OBS	00024	04.56	33.460	26.53		1467.5							
	STD	00030	04.78	33.56	26.59	00.054	1468.7							
	OBS	00030	04.78	33.565	26.59		1468.7							
	OBS	00031	04.75	33.620	26.63		1468.6							
	OBS	00048	03.55	33.560	26.71		1463.8							
	STD	00050	03.88	33.64	26.74	00.081	1465.3							
	OBS	00050	03.88	33.640	26.74		1465.3							
	OBS	00056	04.60	33.940	26.90		1468.9							
	OBS	00060	04.36	33.880	26.88		1467.8							
	OBS	00065	04.18	33.930	26.94		1467.2							
	OBS	00070	03.19	33.915	27.02		1463.1							
	STD	00075	03.23	34.02	27.10	00.110	1463.5							
	OBS	00075	03.23	34.020	27.10		1463.5							
	STD	00100	03.16	34.13	27.20	00.133	1463.8							
	OBS	00100	03.16	34.130	27.20		1463.8							
	OBS	00115	02.58	34.130	27.25		1461.5							
	STD	00125	02.83	34.24	27.32	00.154	1462.9							
	OBS	00125	02.83	34.240	27.32		1462.9							
	STD	00150	03.68	34.41	27.37	00.173	1467.2							
	OBS	00150	03.68	34.410	27.37		1467.2							
	OBS	00155	03.17	34.360	27.38		1465.0							
	OBS	00165	03.75	34.460	27.40		1467.8							
	OBS	00171	03.49	34.445	27.42		1466.8							
	STD	00200	04.38	34.68	27.51	00.206	1471.3							
	OBS	00200	04.38	34.680	27.51		1471.3							
	OBS	00219	04.26	34.690	27.53		1471.1							
	STD	00250	05.18	34.88	27.58	00.235	1475.7							
	OBS	00250	05.18	34.880	27.58		1475.7							
	OBS	00270	05.09	34.905	27.61		1475.7							
	OBS	00271	05.21	34.960	27.64		1476.3							
	STD	00300	05.09	34.95	27.65	00.261	1476.3							
	OBS	00300	05.09	34.950	27.65		1476.3							
	OBS	00310	05.14	34.945	27.64		1476.6							
	STD	00400	05.00	34.98	27.68	00.309	1477.6							
	OBS	00400	05.00	34.985	27.68		1477.6							
	STD	00500	04.46	34.95	27.72	00.354	1477.0							
	OBS	00500	04.46	34.950	27.72		1477.0							
	OBS	00550	04.38	34.940	27.72		1477.4							
	STD	00600	04.53	34.99	27.74	00.398	1479.0							
	OBS	00600	04.53	34.990	27.74		1479.0							
	OBS	00640	04.61	35.000	27.74		1480.0							
	STD	00700	04.48	34.98	27.74	00.441	1480.4							
	OBS	00700	04.48	34.985	27.74		1480.4							
	STD	00800	04.31	34.97	27.75	00.485	1481.3							
	OBS	00800	04.31	34.975	27.75		1481.3							
	STD	00900	04.24	34.97	27.76	00.528	1482.7							
	OBS	00900	04.24	34.975	27.76		1482.7							
	STD	01000	04.04	34.95	27.77	00.572	1483.5							
	OBS	01000	04.04	34.955	27.77		1483.5							
	OBS	01022	04.03	34.955	27.77		1483.8							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

RFFID 31 8296	YEAR 1972	NOTOP 02251	AIR TEMP 10.0	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0167	MONTH 06	SHIP FV	WET BULB 08.9	24 2 2	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 45 30 N	DAY 17	DATA USE 1	BAROMETR 1028.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 46
LONG 047 23 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG TIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI33	P4
	STD	00000	07.14	32.85	25.73	00.000	1476.8							
11.6	OBS	00000	07.14	32.850	25.73		1476.8							
	OBS	00003	07.60	33.160	25.91		1479.0							
	STD	00010	04.06	33.06	26.26	00.020	1464.7							
	OBS	00015	03.11	33.040	26.34		1460.7							
	STD	00020	03.48	33.06	26.32	00.039	1462.4							
	OBS	00020	03.48	33.060	26.32		1462.4							
	STD	00030	03.27	33.11	26.38	00.054	1461.7							
	OBS	00030	04.48 P	33.61 P	26.65Q									
	OBS	00042	03.01	33.180	26.46 *		1460.9							
	OBS	00046	03.37	33.560	26.73		1463.0							
	STD	00050	02.98	33.61	26.80	00.084	1461.5							
	OBS	00050	02.98	33.610	26.80		1461.5							
	OBS	00056	02.74	33.660	26.86		1460.6							
	STD	00075	03.96	34.09	27.09	00.112	1466.7							
	OBS	00075	03.96	34.090	27.09		1466.7							
	STD	00100	03.18	34.14	27.20	00.135	1463.9							
	OBS	00100	03.18	34.140	27.20		1463.9							
	OBS	00104	03.61	34.200	27.21		1465.8							
	OBS	00112	03.18	34.200	27.25		1464.1							
	STD	00125	02.23	34.16	27.30	00.156	1460.2							
	OBS	00125	02.23	34.160	27.30		1460.2							
	OBS	00134	02.23	34.215	27.35		1460.4							
	OBS	00137	02.39	34.260	27.37		1461.2							
	OBS	00141	02.30	34.220	27.35		1460.8							
	STD	00150	03.42	34.42	27.41	00.174	1466.1							
	OBS	00172	04.85	34.690	27.47		1472.8							
	OBS	00190	04.62	34.660	27.47		1472.1							
	STD	00200	04.18	34.64	27.51	00.207	1470.4							
	OBS	00200	04.18	34.645	27.51		1470.4							
	OBS	00210	04.16	34.640	27.50		1470.5							
	OBS	00222	03.79	34.615	27.52		1469.1							
	STD	00250	04.52	34.76	27.56	00.236	1472.9							
	OBS	00250	04.52	34.760	27.56		1472.8							
	STD	00300	04.89	34.91	27.64	00.263	1475.4							
	OBS	00300	04.89	34.915	27.64		1475.4							
	OBS	00325	05.10	34.955	27.65		1476.7							
	OBS	00362	05.08	34.970	27.66		1477.3							
	OBS	00374	04.92	34.940	27.66		1476.8							
	STD	00400	04.91	34.97	27.68	00.311	1477.2							
	OBS	00400	04.91	34.970	27.68		1477.2							
	OBS	00427	05.01	35.015	27.71		1478.1							
	STD	00500	04.68	34.98	27.72	00.356	1477.9							
	OBS	00500	04.68	34.980	27.72		1477.9							
	OBS	00530	04.58	34.950	27.71		1478.0							
	OBS	00544	04.73	35.010	27.74		1478.9							
	STD	00600	04.56	34.98	27.73	00.400	1479.1							
	OBS	00600	04.56	34.985	27.73		1479.1							
	STD	00700	04.42	34.98	27.75	00.444	1480.1							
	OBS	00700	04.42	34.980	27.75		1480.1							
	STD	00800	04.32	34.98	27.76	00.487	1481.4							
	OBS	00800	04.32	34.980	27.76		1481.4							
	STD	00900	04.19	34.96	27.76	00.531	1482.5							
	OBS	00900	04.19	34.960	27.76		1482.5							
	STD	01000	04.07	34.96	27.77	00.575	1483.7							
	OBS	01000	04.07	34.965	27.77		1483.7							
	OBS	01030	04.04	34.960	27.77		1484.0							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	HOTOP 02763	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0168	MONTH 06	SHIP EV	WET BULB 07.2	26 2 2	WIND-SPD 19	TRACE DIR 3	5 SQUARE 4
LAT 45 38.0N	DAY 17	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 03.3	2 SQUARE 46
LONG 047 35.5W	HOUR 13.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG LIP 222	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SI33	P4
	STD	00000	04.35	32.32	25.65	00.000	1464.7							
13.4	OBS	00000	04.35	32.325	25.65		1464.7							
	OBS	00008	04.35	32.320	25.65		1464.9							
	STD	00010	04.06	32.42	25.75	00.023	1463.8							
	OBS	00010	04.06	32.420	25.75		1463.8							
	STD	00020	02.98	32.86	26.20	00.043	1459.9							
	OBS	00020	02.98	32.860	26.20		1459.9							
	STD	00030	02.63	33.38	26.65	00.060	1459.3							
	OBS	00030	02.63	33.380	26.65		1459.3							
	OBS	00034	01.27	33.360	26.77		1453.3							
	OBS	00038	01.60	33.500	26.82		1455.1							
	OBS	00042	00.65 P	33.90 P	27.200									
	OBS	00045	00.81	33.460	26.84 •		1451.6							
	OBS	00049	00.59	33.430	26.83		1450.6							
	STD	00050	00.98	33.44	26.82	00.086	1452.4							
	OBS	00050	00.98	33.440	26.82		1452.4							
	OBS	00069	00.52	33.600	26.97		1450.9							
	STD	00075	00.24	33.84	27.18	00.113	1450.0							
	OBS	00078	00.18	33.900	27.23		1449.9							
	OBS	00084	00.24	33.900	27.23		1450.2							
	OBS	00090	00.15	33.915	27.24		1450.0							
	STD	00100	00.49	34.11	27.38	00.133	1451.9							
	OBS	00100	00.49	34.110	27.38		1451.9							
	STD	00125	00.78	34.16	27.41	00.150	1453.7							
	OBS	00125	00.78	34.160	27.41		1453.7							
	STD	00150	01.13	34.24	27.45	00.167	1455.8							
	OBS	00150	01.13	34.240	27.45		1455.8							
	STD	00200	01.93	34.42	27.53	00.197	1461.7							
	OBS	00200	01.93	34.420	27.53		1460.7							
	OBS	00242	04.51	34.880	27.66		1472.8							
	STD	00250	04.31	34.88	27.68	00.223	1472.1							
	OBS	00283	03.65	34.760	27.65 •		1469.7							
	OBS	00290	03.55	34.715	27.63		1469.3							
	STD	00300	03.91	34.79	27.65	00.246	1471.1							
	OBS	00334	04.64	34.940	27.69		1474.9							
	STD	00400	03.93	34.93	27.68	00.293	1472.9							
	OBS	00400	03.93	34.835	27.68		1472.9							
	OBS	00452	04.23	34.920	27.72		1475.2							
	OBS	00463	04.15	34.895	27.71		1475.0							
	STD	00500	04.20	34.90	27.71	00.339	1475.8							
	OBS	00500	04.20	34.900	27.71		1475.8							
	OBS	00525	04.06	34.890	27.71		1475.6							
	OBS	00542	04.15	34.920	27.73		1476.3							
	OBS	00590	04.09	34.910	27.73		1476.8							
	STD	00600	04.16	34.93	27.74	00.382	1477.3							
	OBS	00600	04.15	34.930	27.74		1477.3							
	STD	00700	04.07	34.92	27.74	00.426	1478.6							
	OBS	00700	04.07	34.920	27.74		1478.6							
	STD	00800	04.04	34.92	27.74	00.470	1480.1							
	OBS	00800	04.04	34.920	27.74		1480.1							
	STD	00900	03.98	34.92	27.75	00.514	1481.6							
	OBS	00900	03.98	34.925	27.75		1481.6							
	STD	01000	03.92	34.92	27.76	00.558	1483.0							
	OBS	01000	03.92	34.925	27.76		1483.0							
	OBS	01030	03.89	34.920	27.76		1483.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTOP 01315	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1336
CONSEC 0169	MONTH 06	SHIP EV	WET BULB 07.2	26 2 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 45 35.5N	DAY 17	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 66
LONG 047 46.0W	HOUR 15.2	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG TTP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P14	TOT P	V02	V03	SI33	P4
	STD	00000	04.36	32.27	25.60	00.000	1464.7							
15.2	OBS	00000	04.36	32.270	25.60		1464.7							
	STD	00010	03.38	32.66	26.01	00.022	1461.2							
	OBS	00010	03.38	32.660	26.01		1461.2							
	STD	00020	01.38	32.86	26.33	00.041	1452.9							
	OBS	00020	01.38	32.860	26.33		1452.9							
	STD	00030	00.75	33.34	26.75	00.056	1450.9							
	OBS	00030	00.75	33.340	26.75		1450.9							
	STD	00050	00.18	33.75	27.11	00.078	1449.2							
	OBS	00050	00.18	33.755	27.11		1449.2							
	OBS	00072	00.42	33.950	27.26		1450.9							
	STD	00075	00.50	34.08	27.36	00.099	1451.5							
	OBS	00075	00.50	34.080	27.36		1451.5							
	STD	00100	01.18	34.23	27.44	00.117	1455.2							
	OBS	00100	01.18	34.230	27.44		1455.2							
	STD	00125	01.47	34.32	27.49	00.132	1457.1							
	OBS	00125	01.47	34.325	27.49		1457.1							
	STD	00150	01.77	34.39	27.53	00.147	1458.9							
	OBS	00150	01.77	34.395	27.53		1458.9							
	STD	00200	02.68	34.62	27.63	00.173	1464.0							
	OBS	00200	02.68	34.620	27.63		1464.0							
	STD	00250	03.33	34.74	27.67	00.197	1467.8							
	OBS	00250	03.33	34.740	27.67		1467.8							
	STD	00300	03.72	34.81	27.69	00.219	1470.4							
	OBS	00300	03.72	34.810	27.69		1470.4							
	OBS	00325	03.84	34.845	27.70		1471.3							
	OBS	00341	03.80	34.840	27.70		1471.4							
	STD	00400	03.98	34.89	27.72	00.263	1473.2							
	OBS	00400	03.98	34.890	27.72		1473.2							
	STD	00500	04.03	34.90	27.73	00.305	1475.1							
	OBS	00500	04.03	34.900	27.73		1475.1							
	STD	00600	04.02	34.91	27.74	00.348	1476.7							
	OBS	00600	04.02	34.915	27.74		1476.7							
	STD	00700	03.97	34.92	27.75	00.390	1478.2							
	OBS	00700	03.97	34.920	27.75		1478.2							
	STD	00800	03.95	34.92	27.75	00.433	1479.8							
	OBS	00800	03.95	34.920	27.75		1479.8							
	STD	00900	03.92	34.92	27.75	00.477	1481.3							
	OBS	00900	03.92	34.920	27.75		1481.3							
	STD	01000	03.91	34.92	27.75	00.521	1482.9							
	OBS	01000	03.91	34.920	27.75		1482.9							
	OBS	01025	03.90	34.920	27.75		1483.3							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01097	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1306
CONSEC 0170	MONTH 05	SHIP EV	WET BULB 06.1	26 2 2	WIND-SPD 15	TRACE DIR 2	5 SQUARE 4
LAT 45 49.5N	DAY 17	DATA USE 1	BAROMETR 1029.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 55.0W	HOUR 16.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	pH
	STD	00000	03.12	32.23	25.69	00.000	1459.4							
16.8	OBS	00000	03.12	32.230	25.69		1459.4							
	STD	00010	02.99	32.22	25.69	00.023	1459.0							
	OBS	00010	02.99	32.220	25.69		1459.0							
	STD	00020	02.78	32.25	25.74	00.046	1458.3							
	OBS	00020	02.78	32.255	25.74		1458.3							
	STD	00030	- 0.27	32.86	26.41	00.065	1445.6							
	OBS	00030	- 0.27	32.860	26.41		1445.6							
	OBS	00032	- 0.58	32.960	26.49		1444.3							
	OBS	00036	- 0.44	32.950	26.49		1445.0							
	STD	00050	- 1.34	33.18	26.71	00.095	1441.4							
	OBS	00050	- 1.34	33.180	26.71		1441.4							
	OBS	00052	- 1.29	33.280	26.79		1441.8							
	STD	00075	01.08	33.40	26.78	00.128	1453.2							
	OBS	00075	01.09	33.400	26.78		1453.2							
	OBS	00094	- 0.25	33.560	26.98		1447.7							
	STD	00100	- 0.14	33.61	27.01	00.157	1448.4							
	OBS	00104	- 0.06	33.660	27.05		1448.9							
	OBS	00117	02.08	33.920	27.12		1459.1							
	OBS	00120	01.77	33.960	27.18		1457.8							
	STD	00125	01.88	33.99	27.20	00.181	1458.4							
	OBS	00125	01.88	33.995	27.20		1458.4							
	OBS	00144	01.49	33.990	27.22		1456.9							
	STD	00150	01.28	34.02	27.26	00.202	1456.2							
	OBS	00161	01.13	34.100	27.34		1455.8							
	OBS	00168	01.17	34.160	27.38		1456.2							
	OBS	00178	00.92	34.140	27.38		1455.2							
	STD	00200	01.21	34.24	27.45	00.239	1457.0							
	OBS	00200	01.21	34.245	27.45		1457.0							
	STD	00250	02.06	34.44	27.54	00.269	1461.9							
	OBS	00250	02.06	34.440	27.54		1461.9							
	STD	00300	02.78	34.61	27.62	00.296	1466.1							
	OBS	00300	02.78	34.610	27.62		1466.1							
	STD	00400	03.65	34.82	27.70	00.343	1471.7							
	OBS	00400	03.65	34.820	27.70		1471.7							
	STD	00500	03.98	34.88	27.71	00.387	1474.9							
	OBS	00500	03.98	34.880	27.71		1474.9							
	OBS	00561	04.03	34.900	27.73		1476.1							
	STD	00600	04.00	34.89	27.72	00.431	1476.6							
	OBS	00600	04.00	34.895	27.72		1476.6							
	STD	00700	04.01	34.90	27.73	00.475	1478.3							
	OBS	00700	04.01	34.905	27.73		1478.3							
	STD	00800	04.00	34.90	27.73	00.520	1479.9							
	OBS	00800	04.00	34.900	27.73		1479.9							
	STD	00900	03.96	34.90	27.73	00.565	1481.4							
	OBS	00900	03.96	34.900	27.73		1481.4							
	STD	01000	03.96	34.90	27.73	00.612	1483.1							
	OBS	01000	03.96	34.900	27.73		1483.1							
	OBS	01029	03.96	34.900	27.73		1483.6							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00364	AIR TEMP 07.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0171	MONTH 05	SHIP EV	WET BULB 06.7	26 2 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 45 55 N	DAY 17	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 04.0W	HOUR 18.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	04.61	32.71	25.93	00.000	1466.3							
18.6	OBS	00000	04.61	32.710	25.93		1466.3							
	STD	00010	01.04	32.48	26.05	00.020	1450.7							
	STD	00020	- 1.02	32.26	25.96 •	00.040	1441.1							
	OBS	00020	- 1.02	32.260	25.96		1441.1							
	STD	00030	- 1.58	32.98	26.56	00.058	1439.6							
	OBS	00030	- 1.58	32.980	26.56		1439.6							
	STD	00050	- 1.70	33.13	26.68	00.087	1439.6							
	OBS	00050	- 1.70	33.125	26.68		1439.6							
	OBS	00060	- 1.71	33.175	26.72		1439.8							
	STD	00075	- 1.69	33.22	26.75	00.120	1440.2							
	OBS	00075	- 1.69	33.220	26.75		1440.2							
	STD	00100	- 1.67	33.27	26.79	00.152	1440.8							
	OBS	00100	- 1.67	33.270	26.79		1440.8							
	OBS	00115	- 1.67	33.320	26.83		1441.1							
	STD	00125	- 1.42	33.42	26.91	00.182	1442.6							
	OBS	00125	- 1.42	33.425	26.91		1442.6							
	OBS	00137	- 1.09	33.510	26.97		1444.4							
	STD	00150	- 0.14	33.67	27.06	00.209	1449.3							
	OBS	00150	- 0.14	33.670	27.06		1449.3							
	OBS	00170	- 0.14	33.680	27.07		1449.6							
	OBS	00188	00.06	33.760	27.12		1450.9							
	STD	00200	00.08	33.78	27.14	00.257	1451.3							
	OBS	00200	00.08	33.780	27.14		1451.3							
	OBS	00210	00.33	33.860	27.19		1452.7							
	OBS	00236	00.48	33.945	27.25		1453.9							
	STD	00250	00.48	33.97	27.27	00.301	1454.2							
	OBS	00250	00.48	33.970	27.27		1454.2							
	OBS	00261	00.48	33.960	27.26		1454.3							
	OBS	00264	00.41	33.935	27.25		1454.0							
	OBS	00294	00.52	34.030	27.32		1455.2							
	STD	00300	00.72	34.11	27.37	00.339	1456.3							
	OBS	00300	00.72	34.110	27.37		1456.3							
	OBS	00338	01.57	34.345	27.50		1461.0							

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REFID 31 8296	YEAR 1972	BOTDP 00183	AIR TEMP 09.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0172	MONTH 05	SHIP EV	WET BULB 07.8	26 2 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 45 47.0N	DAY 17	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 49
LONG 048 07.5W	HOUR 19.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG IIP 111	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.13	32.71	25.87	00.000	1468.5							
19.5	OBS	00000	05.13	32.710	25.87		1468.5							
	STD	00010	04.63	32.68	25.90	00.021	1466.5							
	OBS	00010	04.63	32.630	25.90		1466.5							
	OBS	00015	04.29	32.620	25.89		1465.1							
	STD	00020	01.98	32.63	26.10	00.041	1455.3							
	STD	00030	- 0.92	32.72	26.33	00.060	1442.4							
	OBS	00030	- 0.92	32.720	26.33		1442.4							
	OBS	00035	- 1.52	32.800	26.41		1439.7							
	OBS	00039	- 1.48	33.080	26.63		1440.4							
	OBS	00047	- 1.69	33.080	26.64		1439.5							
	STD	00050	- 1.66	33.15	26.69	00.090	1439.8							
	OBS	00050	- 1.66	33.150	26.69		1439.8							
	OBS	00051	- 1.63	33.160	26.70		1440.0							
	OBS	00053	- 1.72	33.165	26.71		1439.6							
	OBS	00060	- 1.72	33.165	26.71		1439.7							
	OBS	00062	- 1.70	33.170	26.71		1439.8							
	OBS	00068	- 1.75	33.200	26.74		1439.7							
	OBS	00073	- 1.66	33.290	26.81		1440.4							
	STD	00075	- 1.70	33.26	26.78 •	00.123	1440.2							
	OBS	00075	- 1.70	33.260	26.78		1440.2							
	OBS	00083	- 1.71	33.280	26.80		1440.3							
	OBS	00090	- 1.67	33.290	26.81		1440.6							
	STD	00100	- 1.66	33.30	26.82	00.154	1440.8							
	OBS	00100	- 1.66	33.305	26.82		1440.8							
	OBS	00115	- 1.33	33.410	26.90		1442.8							
	STD	00125	- 1.28	33.40	25.89	00.184	1443.2							
	OBS	00125	- 1.28	33.400	26.89		1443.2							
	OBS	00145	- 1.25	33.400	26.89		1443.7							
	STD	00150	- 1.16	33.43	26.91	00.213	1444.2							
	OBS	00150	- 1.16	33.430	26.91		1444.2							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTUP 00988	AIR TEMP 06.7	DIR HGT PER	#WND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0173	MONTH 04	SHIP FV	WET BULB 04.1	26 2 5	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 47 02.5N	DAY 18	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 44.0W	HOUR 04.0	AREA 05	CLOUD T/A	CL/TR	#EATHER X4	ORIG IIP 111	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STD	00000	03.28	32.14	25.60	00.000	1459.9							
04.0	OBS	00000	03.28	32.140	25.60		1459.9							
	STD	00010	02.48	32.13	25.66	00.024	1456.6							
	OBS	00010	02.48	32.125	25.66		1456.6							
	STD	00020	00.18	32.96	26.47	00.043	1447.6							
	OBS	00020	00.18	32.960	26.47		1447.6							
	OBS	00025	00.47	33.330	26.76		1449.5							
	STD	00030	- 0.21	33.28	26.75	00.058	1446.4							
	OBS	00030	- 0.21	33.285	26.75		1446.4							
	OBS	00038	- 0.61	33.380	26.85		1444.9							
	OBS	00040	- 0.46	33.380	26.84		1445.6							
	OBS	00049	- 0.89	33.610	27.04		1444.1							
	STD	00050	- 0.77	33.59	27.02	00.081	1444.6							
	OBS	00050	- 0.77	33.590	27.02		1444.6							
	STD	00075	- 0.07	33.93	27.27	00.104	1448.7							
	OBS	00075	- 0.07	33.930	27.27		1448.7							
	STD	00100	00.70	34.07	27.34	00.124	1452.8							
	OBS	00100	00.70	34.075	27.34		1452.8							
	STD	00125	00.73	34.18	27.43	00.141	1453.5							
	OBS	00125	00.73	34.180	27.43		1453.5							
	STD	00150	01.45	34.32	27.49	00.157	1457.4							
	OBS	00150	01.45	34.325	27.49		1457.4							
	STD	00200	02.48	34.54	27.59	00.185	1463.0							
	OBS	00200	02.48	34.540	27.59		1463.0							
	STD	00250	03.18	34.58	27.56	00.212	1466.9							
	OBS	00250	03.18	34.585	27.56		1466.9							
	OBS	00255	03.02	34.600	27.59		1466.3							
	OBS	00267	03.45	34.700	27.62		1468.5							
	OBS	00280	03.28	34.715	27.65		1468.0							
	STD	00300	03.54	34.77	27.67	00.238	1469.6							
	OBS	00360	04.02	34.870	27.70		1472.7							
	STD	00400	04.08	34.88	27.71	00.282	1473.6							
	OBS	00400	04.08	34.885	27.71		1473.6							
	OBS	00425	03.97	34.875	27.71		1473.6							
	OBS	00440	04.06	34.900	27.72		1474.2							
	STD	00500	04.02	34.89	27.72	00.326	1475.0							
	OBS	00500	04.02	34.895	27.72		1475.0							
	OBS	00530	04.03	34.900	27.73		1475.6							
	OBS	00550	04.05	34.910	27.73		1476.0							
	STD	00600	04.03	34.91	27.73	00.369	1476.8							
	OBS	00600	04.03	34.910	27.73		1476.8							
	STD	00700	04.03	34.92	27.74	00.412	1478.4							
	OBS	00700	04.03	34.920	27.74		1478.4							
	STD	00800	04.00	34.91	27.74	00.456	1480.0							
	OBS	00800	04.00	34.915	27.74		1480.0							
	STD	00900	04.00	34.91	27.74	00.501	1481.6							
	OBS	00900	04.00	34.915	27.74		1481.6							
	OBS	00978	03.99	34.915	27.74		1482.9							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 01170	AIR TEMP 06.1	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0174	MONTH 06	SHIP EV	WET BULB 06.1	21 0 2	WIND-SPD 13	TRACE DIR 3	5 SQUARE 4
LAT 47 02.0N	DAY 18	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION 03.2	2 SQUARE 66
LONG 046 58.5W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG EIP 111	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.83	32.02	25.55	00.000	1457.8							
05.8	OBS	00000	02.83	32.020	25.55		1457.8							
	STD	00010	02.68	32.02	25.56	00.024	1457.3							
	OBS	00010	02.68	32.025	25.56		1457.3							
	STD	00020	01.65	33.10	26.50	00.044	1454.4							
	OBS	00020	01.65	33.100	26.50		1454.4							
	STD	00030	00.99	33.22	26.63	00.059	1451.8							
	OBS	00037	00.38	33.260	26.71		1449.2							
	OBS	00040	00.08	33.270	26.73		1447.9							
	OBS	00042	00.22	33.465	26.88		1448.9							
	STD	00050	- 0.09	33.42	26.86	00.085	1447.5							
	OBS	00050	- 0.09	33.420	26.86		1447.5							
	STD	00075	- 0.64	33.66	27.08	00.113	1445.7							
	OBS	00075	- 0.64	33.660	27.08		1445.7							
	STD	00100	- 0.28	33.84	27.21	00.136	1448.0							
	OBS	00100	- 0.28	33.840	27.21		1448.0							
	STD	00125	- 0.17	33.97	27.31	00.156	1449.2							
	OBS	00125	- 0.17	33.975	27.31		1449.2							
	STD	00150	00.63	34.19	27.44	00.174	1453.5							
	OBS	00150	00.63	34.190	27.44		1453.5							
	STD	00200	01.40	34.30	27.48	00.206	1457.9							
	OBS	00200	01.40	34.300	27.48		1457.9							
	STD	00250	02.05	34.44	27.55	00.236	1461.8							
	OBS	00250	02.05	34.445	27.55		1461.8							
	STD	00300	02.42	34.57	27.62	00.262	1464.5							
	OBS	00300	02.42	34.575	27.62		1464.5							
	STD	00400	03.48	34.77	27.68	00.310	1470.9							
	OBS	00400	03.48	34.775	27.68		1470.9							
	STD	00500	03.77	34.85	27.71	00.354	1473.9							
	OBS	00500	03.77	34.850	27.71		1473.9							
	OBS	00565	03.85	34.870	27.72		1475.4							
	STD	00600	04.03	34.90	27.73	00.398	1476.8							
	OBS	00600	04.03	34.905	27.73		1476.8							
	STD	00700	04.00	34.88	27.72	00.442	1478.3							
	OBS	00700	04.00	34.885	27.72		1478.3							
	STD	00800	04.03	34.91	27.74	00.488	1480.1							
	OBS	00800	04.03	34.915	27.74		1480.1							
	STD	00900	04.01	34.92	27.74	00.532	1481.7							
	OBS	00900	04.01	34.920	27.74		1481.7							
	STD	01000	03.97	34.92	27.75	00.578	1483.2							
	OBS	01000	03.97	34.920	27.75		1483.2							
	STD	01100	03.86	34.92	27.76	00.623	1484.4							
	OBS	01100	03.86	34.920	27.76		1484.4							

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TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296 YEAR 1972 BOTDP 01100 AIR TEMP 05.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
CONSEC 0175 MONTH 06 SHIP EV WET BULB 05.0 26 0 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4
LAT 47 01.0N DAY 18 DATA USE 1 BAROMETR 1025.7 SEA WIND-FDR DURATION 00.2 2 SQUARE 66
LONG 047 08.0W HOUR 07.5 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG IIP 111 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.59	32.07	25.61	00.000	1456.8							
07.5	OBS	00000	02.59	32.070	25.61		1456.8							
	STD	00010	02.39	32.16	25.70	00.023	1456.3							
	OBS	00010	02.39	32.165	25.70		1456.3							
	STD	00020	01.98	32.16	25.72	00.046	1454.6							
	OBS	00020	01.98	32.160	25.72		1454.6							
	STD	00030	00.13	33.06	26.56	00.065	1447.7							
	OBS	00030	00.13	33.060	26.56		1447.7							
	OBS	00040	- 1.11	33.200	26.72		1442.3							
	STD	00050	- 1.19	33.39	26.88	00.092	1442.4							
	OBS	00050	- 1.19	33.395	26.88		1442.4							
	STD	00075	- 0.91	33.52	26.97	00.120	1444.3							
	OBS	00075	- 0.91	33.520	26.97		1444.3							
	STD	00100	- 0.70	33.57	27.00	00.147	1445.7							
	OBS	00100	- 0.70	33.570	27.00		1445.7							
	STD	00125	- 0.20	34.00	27.33	00.170	1449.0							
	OBS	00125	- 0.20	34.000	27.33		1449.0							
	STD	00150	00.20	34.09	27.39	00.188	1451.4							
	OBS	00150	00.20	34.095	27.39		1451.4							
	STD	00200	01.51	34.33	27.49	00.220	1458.5							
	OBS	00200	01.51	34.330	27.49		1458.5							
	STD	00250	02.13	34.48	27.57	00.249	1462.2							
	OBS	00250	02.13	34.480	27.57		1462.2							
	STD	00300	02.86	34.63	27.62	00.275	1466.4							
	OBS	00300	02.86	34.630	27.62		1466.4							
	OBS	00360	03.93	34.800	27.66		1472.2							
	STD	00400	03.60	34.79	27.68	00.323	1471.5							
	OBS	00400	03.60	34.790	27.68		1471.5							
	OBS	00465	04.08	34.865	27.69		1474.7							
	STD	00500	04.00	34.88	27.72	00.367	1474.9							
	OBS	00500	04.00	34.885	27.72		1474.9							
	OBS	00575	04.11	34.905	27.72		1476.7							
	STD	00600	04.05	34.90	27.72	00.411	1476.8							
	OBS	00600	04.05	34.900	27.72		1476.8							
	STD	00700	04.03	34.90	27.73	00.456	1478.4							
	OBS	00700	04.03	34.900	27.73		1478.4							
	STD	00800	04.03	34.91	27.73	00.501	1480.1							
	OBS	00800	04.03	34.910	27.73		1480.1							
	STD	*00900*	*04.01*	34.91	27.74	00.566	1481.7							
	OBS	00900	04.01	34.910	27.74		1481.7							
	STD	01000	03.89	34.91	27.75	00.591	1482.8							
	OBS	01000	03.89	34.910	27.75		1482.8							
	OBS	01025	03.80	34.920	27.76		1482.9							

REFID 31 8296 YEAR 1972 BOTDP 00783 AIR TEMP 05.6 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0176 MONTH 06 SHIP EV WET BULB 05.6 26 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4
LAT 47 01.0N DAY 19 DATA USE 1 BAROMETR 1025.7 SEA WIND-FDR DURATION 00.4 2 SQUARE 66
LONG 047 15.0W HOUR 08.9 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG IIP 111 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	02.05	32.32	25.85	00.000	1454.8							
08.8	OBS	00000	02.05	32.320	25.85		1454.8							
	STD	00010	01.93	32.36	25.89	00.021	1454.5							
	OBS	00010	01.93	32.360	25.89		1454.5							
	STD	00020	01.99	32.38	25.90	00.043	1455.0							
	OBS	00020	01.99	32.385	25.90		1455.0							
	STD	00030	01.82	32.38	25.91	00.064	1454.4							
	OBS	00030	01.82	32.380	25.91		1454.4							
	OBS	00040	00.48	32.340	25.96		1448.5							
	STD	00050	- 1.02	32.96	26.52	00.100	1442.6							
	OBS	00050	- 1.02	32.960	26.52		1442.6							
	OBS	00067	- 1.50	33.305	26.82		1441.1							
	STD	00075	- 1.40	33.38	26.87	00.134	1441.8							
	OBS	00075	- 1.40	33.380	26.87		1441.8							
	STD	00100	- 0.88	33.61	27.04	00.161	1444.9							
	OBS	00100	- 0.88	33.610	27.04		1444.9							
	STD	00125	- 0.37	33.72	27.11	00.186	1447.9							
	OBS	00125	- 0.37	33.720	27.11		1447.9							
	OBS	00128	- 0.47	33.735	27.13		1447.5							
	OBS	00135	00.04	33.855	27.20		1450.1							
	OBS	00145	00.23	33.870	27.20		1451.2							
	STD	00150	00.36	33.86	27.20	00.209	1450.5							
	OBS	00150	00.06	33.860	27.20		1450.5							
	OBS	00155	- 0.35	33.820	27.19		1448.6							
	OBS	00180	- 0.49	33.900	27.26		1448.5							
	STD	00200	00.64	34.11	27.37	00.248	1454.3							
	OBS	00200	00.64	34.110	27.37		1454.3							
	STD	00250	01.51	34.36	27.52	00.281	1459.3							
	OBS	00250	01.51	34.360	27.52		1459.3							
	STD	00300	02.29	34.51	27.58	00.309	1463.8							
	OBS	00300	02.29	34.510	27.58		1463.8							
	STD	00400	03.36	34.75	27.67	00.359	1470.4							
	OBS	00400	03.36	34.750	27.67		1470.4							
	STD	00509	03.80	34.84	27.71	00.404	1474.1							
	OBS	00500	03.80	34.845	27.71		1474.1							
	STD	00600	03.95	34.88	27.72	00.448	1476.4							
	OBS	00600	03.95	34.880	27.72		1476.4							
	STD	00700	03.86	34.88	27.73	00.493	1477.7							
	OBS	00700	03.86	34.880	27.73		1477.7							
	OBS	00750	03.85	34.885	27.73		1478.5							

TABLE XIII.—Observed and Interpolated Oceanographic Data from Stations Occupied by USCGC EVERGREEN, 7 April 1972–18 June 1972, Prepared from NODC Listing No. 31–8296.—Continued

REFID 31 8296	YEAR 1972	BOTDP 00380	AIR TEMP 05.0	DIR HGT PER	#WND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0177	MONTH 06	SHIP FV	WET BULB 05.0	26 2 3	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 47 00.4N	DAY 13	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 22.0W	HOUR 10.2	AREA 05	CLOUD T/A	CL/TR	#WEATHER X4	ORIG IIP 111	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	P4
	STD	00000	02.56	32.23	25.74	00.000	1456.9							
10.2	OBS	00000	02.56	32.235	25.74		1456.9							
	STD	00010	02.52	32.22	25.74	00.023	1456.9							
	OBS	00010	02.52	32.225	25.74		1456.9							
	STD	00020	02.30	32.22	25.75	00.045	1456.1							
	OBS	00020	02.30	32.220	25.75		1456.1							
	STD	00030	- 1.13	32.79	26.39	00.065	1441.5							
	OBS	00030	- 1.13	32.795	26.39		1441.5							
	OBS	00034	- 1.46	32.945	26.52		1443.2							
	STD	00050	- 1.72	33.14	26.69	00.095	1439.5							
	OBS	00050	- 1.72	33.140	26.69		1439.5							
	STD	00075	- 1.70	33.28	26.80	00.127	1440.2							
	OBS	00075	- 1.70	33.280	26.80		1440.2							
	OBS	00092	- 1.59	33.310	26.82		1441.1							
	STD	00100	- 1.43	33.45	26.93	00.157	1442.1							
	OBS	00100	- 1.43	33.450	26.93		1442.1							
	OBS	00106	- 0.84	33.580	27.02		1445.2							
	STD	00125	- 0.57	33.67	27.08	00.183	1446.9							
	OBS	00125	- 0.57	33.670	27.08		1446.9							
	OBS	00140	- 0.17	33.785	27.16		1449.1							
	OBS	00146	- 0.02	33.845	27.20		1450.0							
	STD	00150	00.04	33.86	27.20	00.207	1450.4							
	OBS	00158	00.19	33.880	27.21		1451.2							
	OBS	00169	00.47	33.900	27.22		1452.7							
	OBS	00180	00.25	33.870	27.20		1451.8							
	OBS	00191	00.36	33.990	27.29		1452.5							
	OBS	00194	00.78	34.010	27.29		1454.7							
	STD	00200	00.81	34.02	27.29	00.248	1454.9							
	OBS	00200	00.81	34.020	27.29		1454.9							
	OBS	00212	00.85	34.060	27.32		1455.3							
	OBS	00245	00.79	34.090	27.35		1455.7							
	STD	00250	01.10	34.17	27.39	00.286	1457.3							
	OBS	00257	01.40	34.245	27.43		1458.8							
	OBS	00275	01.41	34.275	27.46		1459.2							
	STD	00300	01.81	34.38	27.52	00.318	1461.5							
	OBS	00300	01.81	34.385	27.52		1461.5							
	OBS	00342	02.33	34.525	27.59		1464.7							
	OBS	00355	02.34	34.530	27.59		1465.0							

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REFID 31 8296	YEAR 1972	BOTDP 00166	AIR TEMP 05.6	DIR HGT PER	#WND-DIR 27	INST STD RECORDER	TEN SQ 1306
CONSEC 0178	MONTH 06	SHIP FV	WET BULB 05.6	26 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 47 00.0N	DAY 18	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 30.0W	HOUR 11.2	AREA 05	CLOUD T/A	CL/TR	#WEATHER X4	ORIG IIP 111	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	P4
	STD	00000	03.10	32.29	25.74	00.000	1459.4							
11.2	OBS	00000	03.10	32.290	25.74		1459.4							
	STD	00010	02.92	32.31	25.77	00.022	1458.8							
	OBS	00010	02.92	32.310	25.77		1458.8							
	STD	00020	02.73	32.33	25.80	00.045	1458.1							
	OBS	00020	02.73	32.330	25.80		1458.1							
	STD	00030	- 1.09	32.83	26.42	00.064	1441.7							
	OBS	00030	- 1.09	32.830	26.42		1441.7							
	STD	00050	- 1.73	33.14	26.69	00.094	1439.5							
	OBS	00050	- 1.73	33.140	26.69		1439.5							
	STD	00075	- 1.72	33.22	26.75	00.127	1440.0							
	OBS	00075	- 1.72	33.220	26.75		1440.0							
	STD	00100	- 1.64	33.36	26.86	00.158	1441.0							
	OBS	00100	- 1.64	33.360	26.86		1441.0							
	STD	00125	- 1.09	33.45	26.92	00.187	1444.1							
	OBS	00125	- 1.09	33.450	26.92		1444.1							
	OBS	00144	- 0.88	33.510	26.96		1445.5							
	STD	00150	- 0.95	33.53	26.98	00.214	1445.3							
	OBS	00150	- 0.95	33.530	26.98		1445.3							
	OBS	00163	- 0.77	34.610	27.85		1447.9							

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