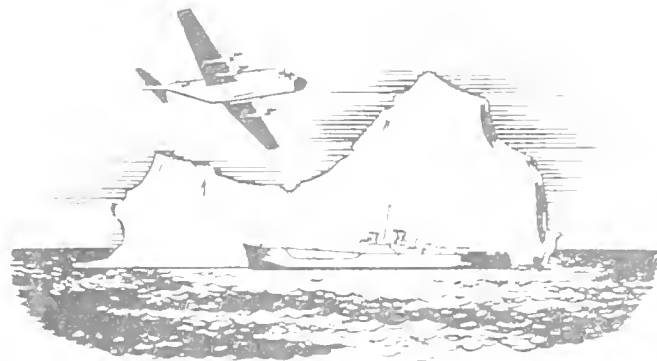


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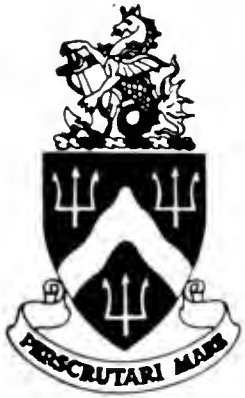
**COAST GUARD**

**OCEANOGRAPHY OF  
THE GRAND BANKS REGION  
OF  
NEWFOUNDLAND IN 1973**



**OCEANOGRAPHIC REPORT No. CG 373-73**





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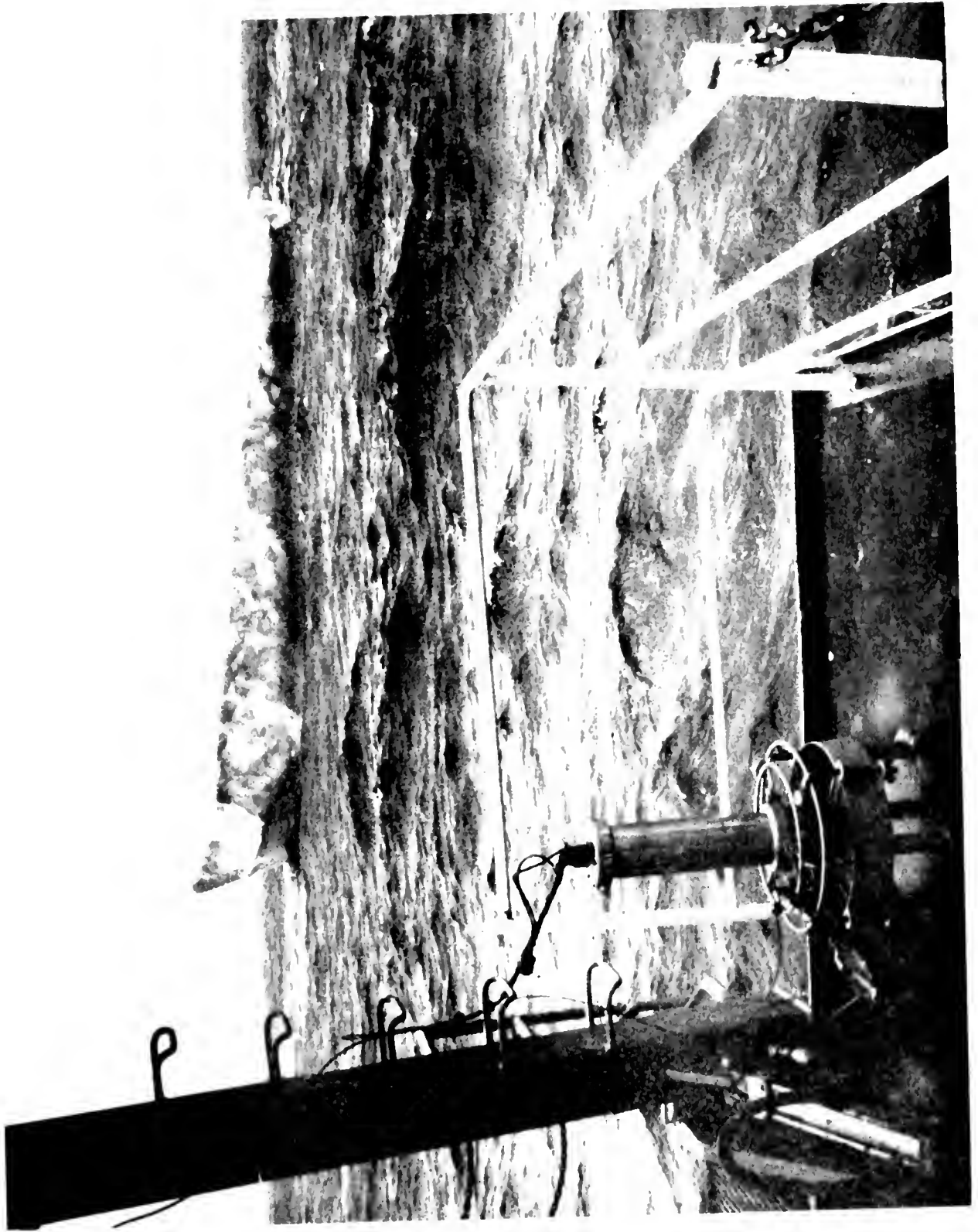
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**March 1978**

**United States Coast Guard  
Oceanographic Unit  
Washington, D.C.**



## ABSTRACT

Three Ice Patrol cruises from April to July 1973 were conducted to the Grand Banks to determine sea surface currents for input to a computer model for the prediction of iceberg drift. During a three week period in June-July three Intensive Dynamic Surveys were performed in an approximately  $1^\circ$  latitude square within the Ice Patrol survey area to provide data sets to test a developmental numerical model for predicting dynamic changes of the Labrador Current on the eastern slope of the Grand Banks. Analysis of the sea surface geostrophy and the water mass properties revealed that the North Atlantic Current was to be found approximately 74 km farther north than its usual position and by impinging on the Tail-of-the-Bank forced a portion of the Labrador Current up onto the Bank. The May cruise data disclosed the formation of a large cyclonic meander in the North Atlantic Current, which was believed to produce the cyclonic ring found to the south in the warm water gradient of the North Atlantic Current. This may be a mechanism for transporting icebergs across the North Atlantic Current and would account for the occasional sightings of icebergs southeast of the warm current. Near bottom direct current measurements made on the eastern slope of the Grand Banks had mean speeds of  $2.0 \text{ cm s}^{-1}$  in April-May and  $5.3 \text{ cm s}^{-1}$  in May-June, and the direction was mainly southwest. The only identifiable periodic component was the lunar semidiurnal tide which was intermittently detected. Comparison of the direct current measurements with the geostrophic determination of the current at the current meter depth indicates that the geostrophic method underestimates the current by 10% to 30% most probably attributable to some residual baroclinic flow at the assumed "level of no motion" (1000 decibars). Geostrophic current and volume transport analysis of the Intensive Dynamic Surveys demonstrated that the present method for computing dynamic heights in water shallower than the reference level, by extending temperature and salinity contours horizontally into the slope, may introduce an erroneously large cross slope flow by carrying the slope of the between sections isosteric surfaces into the Bank where intuition dictates that these surfaces be parallel to a zero geopotential surface. A method for estimating and correcting this error in the operational use of geostrophic currents is given. A detailed comparison of the volume transports from the Intensive Dynamic Surveys revealed a period when the transport of the Labrador Current and North Atlantic Current increased simultaneously, forcing a portion of the Labrador Current up onto the Grand Bank. The progression of the crest of a North Atlantic Current meander through the Dynamic Survey area is believed to be the source of the observed variations in volume transports.

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# OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND IN 1973

By

**Richard M. Hayes**  
**Robert Q. Robe<sup>1</sup>**

## INTRODUCTION

Three oceanographic cruises were conducted aboard USCGC EVERGREEN (WAGO 295) during the 1973 Ice Patrol season. The 1973 Ice Patrols were especially eventful because these cruises were the first deployments for the USCGC EVERGREEN after extensive refitting to improve habitability and to expand and modernize the oceanographic working spaces and gear. The cruises were undertaken to support Commander, International Ice Patrol and were intended for use in computer predictions of iceberg drift on the Grand Banks of Newfoundland (Table 1). In addition to the occupation of hydrographic stations along Ice Patrol standard sections (fig. 1), three Intensive Dynamic Surveys were conducted during the third cruise for the verification of a mathematical model of the Labrador Current when in the vicinity of the Grand Banks (Kollmeyer, 1975). Two near-bottom current meter moorings were deployed in two separate locations during two different periods along the

continental slope for an investigation of temporal variations in the Labrador Current at depth (Table 2).

The 1973 International Ice Patrol season which extended from 24 January to 31 July was equal in length to the longest season (1972) in the Ice Patrol's 60-year history. The number of icebergs sighted south of 48°N latitude during 1973, 847, was exceeded only five times previously in Ice Patrol records. For the second consecutive year, a surface patrol was required, and cutters were deployed from 17 March to 10 July to search for and standby the southeasternmost icebergs in the Grand Banks region.

In addition to the Ice Patrol data contained herein, eight Standard Sections (A2, A3, and A4) occupied from January through November of 1973 (see Appendix A.) are included in the data listings.

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## INSTRUMENTATION AND METHODS

### STD/DDL System

The sampling instrument used on 301 stations was a Plessey Environmental Systems, Model 9040, S/T/D Environmental Profiling System (STD). For four stations where the STD system was not operational, Nansen bottle casts with deep sea reversing thermometers were taken. The FM signals received from the STD were digitized by a Sonycraft, Inc. (Chicago, Illinois) digital data logger (DDL) and recorded on computer compatible 7-channel magnetic tape by a Kennedy Co. Incremental 1600R tape recorder (Altadena, Calif.). For the general description of the DDL recording and processing scheme for similar equipment see Rosebrook (1971); the procedures followed during the 1973 Ice Patrol were essentially the same in form and content. The salient differences may be found in Morgan, Bishop, and Mulher (1976).

### STD Quality Control

Nansen bottle salinity samples and deep sea reversing thermometers were compared with the STD values for temperature and salinity at maximum cast depth for all stations taken in water depth greater than 1000 m. The Nansen-STD differences were plotted as a function of time (i.e., for each station which had quality control data) for the determination of temporal variation. Values that showed small random variations with time were averaged, and this average was applied as a constant correction to the STD/DDL data from the surface to maximum sampling depth. The quality control corrections had the following absolute value ranges: temperature, 0.00°C to 0.05°C and salinity, 0.04‰ to 0.08‰.

The salinity of the quality control samples was determined by an inductive laboratory salinometer. Conductivity ratios from the salinometer

were converted to salinity utilizing the method established in the International Oceanographic Tables published by UNESCO and the National Institute of Oceanography Great Britain (1966).

TABLE 1

*Summary of Oceanographic Stations*

---

Ice Patrol Cruise 1-73:

Dates: 3-22 April 1973

Sections: A4, A3B MOD, A3A, A3, A2B, A2A and A2 MOD

IIP Station Nos: 11186-11248

Total No. of Stations: 63

Ice Patrol Cruise 2-73:

Dates: 8-28 May 1973

Sections: A4 (Twice), A3C, A3B MOD, A3A, A3 (Twice), and A2B

IIP Station Nos: 11249-11329

Total No. of Stations: 81

Ice Patrol Cruise 3-73:

Standard Ice Patrol Sections

Dates: 13 June-14 July 1973

Sections: A2 MOD, A2B, and A3

IIP Station Nos: 11419-11449

Total No. of Stations: 31

Intensive Dynamic Surveys

Dates: (I) 17-22 June, (II) 26-29 June, and (III) 4-7 July

IIP Station Nos: (I) 11330-11375, (II) 11376-11418, and (III) 11450-11490

Total No. of Stations: 130

---

TABLE 2

*Summary of Current Meter Deployments*

## Current Meter Mooring No. 1

Date/Time Established: 13 1530Z April 1973  
Retrieved: 14 2215Z May 1973

Position: 44°12.9'N Lat.  
48°52.3'W Long.

Depth to Bottom: 923 Meters

Depth of Current Meter: 879 Meters

Current Meter Model/Serial No.  
EG&G 850/301

Recording Rate: 15 Samples/15 Min.

Record Length: 31.06 Days

## Current Meter Mooring No. 2

Date/Time Established: 18 1632Z May 1973  
Retrieved: 30 1300Z June 1973

Position: 45°33.1'N Lat.  
48°15.9'W Long.

Depth of Bottom: 987 Meters

Depth of Current Meter: 951 Meters

Current Meter Model/Serial No.  
EG&G 850/300

Recording Rate: 15 Samples/15 Min.

Record Length: 42.84 Days

**Dynamic Calculations in Shallow Water**

The calculation of dynamic heights for stations shallower than the 1000 decibar surface (which for the Ice Patrol is considered approximately equal to 1000 meters and is the reference level) was performed in a manner similar to that of Helland-Hansen (1934). Isosteric surfaces intersecting the ocean-sediment interface are assumed to extend horizontally inward such that the level surfaces they represent imply motionless water. The method employed here, which is described by Kollmeyer (1967), relies upon the extension of temperature and salinity contours into the continental slope from which sigma-t is calculated down to the Ice Patrol reference level. These values combined with the sigma-t's from the water column above are used in the determination of dynamic height for stations shallower than 1000 meters on each section.

**Current Meter Data Processing**

The EG&G A850 current meter is a Savonius rotor type of *in situ* recording current meter. Signals from the rotor, vane follower, and compass are recorded discretely on a single track of magnetic tape. The tape is a cartridge with two tracks. When track A is filled the recorder automatically shifts to track B to complete the recording. Depending upon the sampling rate, this current meter can be set to record for approximate periods of 8½, 45½, 86½, and 156 days. At the sampling rate of 15 samples every 15 minutes, which was used for the IIP-1973 current meter moorings, the endurance was 86½ days.

The current meter tapes were processed under contract by the manufacturer who provided vector averaged north and east components over the sampling period. Further analysis performed at the Oceanographic Unit included a filtering program (FILTR) that gave time series plots of the north and east (or normal and tangential relative to an arbitrarily selected direction) components of velocity for data with frequencies higher than 0.5 cycles/hour, higher than 0.8 cycles/day, and the periodic residuals resulting when one is subtracted from the other. This program aids in identification of the presence of any dominant periodic trends in the current meter record. Another program called HARMA was designed to test the statistical significance of harmonic periods selected for analysis from the filtering program.

These current meter arrays were subsurface, taut-line moorings established near the ocean bottom on the continental slope. The moorings were designed using a computer program named BUOY-M which was adapted for use by the Oceanographic Unit from the program of Berteaux and Chhabra (1973). The array components and design were similar to those appearing in the description of the intermediate mooring in Heimiller and Walden (1973).

**Navigation**

Loran A, Loran C, and UQN/4 fathometer, and dead reckoning were the primary means of navigation. The estimated range of accuracy of navigational fixes was reported as 1.8-5.6 kilometers.

## LABRADOR CURRENT

Any discussion of the Labrador Current is clouded by lack of a precise definition of its properties along its entire course. Current regimes have traditionally been identified either by their velocity or water property (T-S relationship) characteristics. The Labrador Current has variously been described in Ice Patrol publications as a cold, narrow, southward flowing current with the high velocity core located on the continental slope of the Grand Banks between the 200-meter and 2000-meter isobaths. Alternately, the Labrador Current has been defined by an 8-year mean T-S curve from data collected along the eastern slope of the Grand Banks which ranges from  $-1^{\circ}\text{C}$ ,  $33.3\text{‰}$  near the surface to  $4^{\circ}\text{C}$ ,  $34.9\text{‰}$  at depth (Cheney and Soule, 1951). Neither attempt at a definition takes into account the conditions of the origins of this current nor its split into two separate southward flowing components, shelf and slope, and a third eastwardly flowing oceanic component as the flow out of the Labrador Sea approaches the northern slope of the Grand Bank. Likewise, neither description deals with the fate of the current after it reaches the Tail-of-the-Bank. Further complication arises from the observation that the maximum velocity core of the Labrador Current does not coincide with either the greatest temperature or salinity gradient (Kollmeyer, Wolford, and Morse, 1966).

Following the precedent of previous authors, when the discussion centers on the dynamic

topography charts in this report the Labrador Current is represented by the closely packed dynamic height contours which roughly parallel the bathymetric contours of the eastern slope of the Grand Banks, and includes the continuation of the contours at the point of reversal of a portion of the contours near the Tail-of-the-Bank which continue in a northeasterly direction until they leave the survey area. It is acknowledged that by this time mixing with the North Atlantic Current has taken place such that there are significant changes in the current's water mass properties. Furthermore it is understood that this is only one branch of the original Labrador Current, although probably the main one, and that other definitions of the Labrador Current may show that water exiting southward from the Labrador Sea may have other fates.

When the discussion in this report entails the measured volume transports, the XPORT computer program description is used which differentiates between two types of volume flow independent of direction of flow: Cold Core (i.e., Labrador Current) which is water less than  $2^{\circ}\text{C}$  and  $34.3\text{‰}$  and Warm Water (i.e., mixed water and North Atlantic Current) which is water greater than  $2^{\circ}\text{C}$  and  $34.3\text{‰}$ . While it is understood that these definitions are not as precise as one might wish, they serve the purpose of standardizing computations and permit comparison with discussions in previous Ice Patrol reports that used similar schemes.



## CIRCULATION EAST OF THE GRAND BANKS

### First Cruise (7-21 April 1973)

The first cruise revealed a current regime (fig. 2) in which the North Atlantic Current was about 74 km farther north than usual (fig. 3) and was running directly against the Tail-of-the-Bank. This in turn forced a portion of the Labrador Current up on the Banks proper. The volume transport of the Labrador Current was reduced to  $0.3 \times 10^6 \text{ m}^3 \text{ s}^{-1}$  on section A4 from a value of  $3.5 \times 10^6 \text{ m}^3 \text{ s}^{-1}$  on A3B. This dynamic topography presented in Figure 2 indicates that the excess Labrador flow had been incorporated into a broad, flat dynamic trough. This trough was the dynamic low region separating the Labrador Current to the west and the North Atlantic Current to the south and east. Extending from the Tail-of-the-Bank to the west and approximately  $47^\circ \text{W}$  to the east and north to approximately  $45^\circ \text{N}$  (fig. 2), this region contained the dense water resulting from the mixing of waters from the Labrador Current and those from the North Atlantic Current. The eastward limits of the dynamic low region were ill-defined because operational considerations precluded additional stations to the east. The conjecture at the time was that this region extended a considerable distance to the east. This situation was confirmed by the presence, during this time period, of large numbers of icebergs near  $43^\circ \text{N}$ ,  $48^\circ \text{W}$  which did not appear to be moving farther southward. An anticyclonic ring, with a tangential velocity of  $28 \text{ cm s}^{-1}$ , was located at  $43^\circ 40' \text{N}$  and  $47^\circ 50' \text{W}$ , near the center of the trough. At the northern end of this dynamically flat region, at  $45^\circ 40' \text{N}$ , was an area where a large portion of the Labrador Current branched from the main flow and moved eastward, south of Flemish Cap.

### Second Cruise (18-24 May 1973)

By the 18th of May the situation had dramatically changed (fig. 4). The North Atlantic Current had receded somewhat toward the south but continued to keep the surface strata of the

Labrador Current up on the Banks. The May flow of the Labrador had increased from the April cruise period at section A4 to  $1.0 \times 10^6 \text{ m}^3 \text{ s}^{-1}$ . In the same period the flow upstream at section A3C was  $2.0 \times 10^6 \text{ m}^3 \text{ s}^{-1}$ , or more than  $1.5 \times 10^6 \text{ m}^3 \text{ s}^{-1}$  less than in April. The most visible change was the appearance of a meander of the North Atlantic Current which had an amplitude of 220 km and a wave length of 165-185 km. Just to the north of the anticyclonic lobe of this meander was an anticyclonic ring, centered at  $44^\circ 15' \text{N}$  and  $47^\circ 35' \text{W}$ , which had nearly the same dynamic characteristics as the one seen in April. Its surface tangential speed was  $23 \text{ cm s}^{-1}$ . It was tempting to say that they were one and the same. The latter had a thermohaline structure a full  $2^\circ \text{C}$  higher and  $0.4\text{‰}$  more saline. The movement toward the southwest was not inconsistent with the probable motion of anticyclonic rings. The higher temperature and higher salinity could be accounted for by seasonal warming and mixing. The unknown factors here were the speed with which these anticyclonic rings move through this area and in what area or areas were they generated. It is possible that the large anticyclonic meander in Figure 4 was either the anticyclonic ring seen during the April cruise or a new anticyclonic ring being formed.

Directly to the east of the large anticyclonic meander in the North Atlantic Current was a cyclonic meander of comparable size. This meander occupied an area not surveyed completely during the April cruise. What was developing here was a situation favorable to the transport of icebergs accompanied by their own cold water pool across an oceanic frontal system. If cyclonic meanders become cold water cyclonic rings south of the warm North Atlantic Current, then an explanation is available for the presence of the southernmost icebergs, in late May 1973, at  $40^\circ 40' \text{N}$ ,  $49^\circ \text{W}$ , well south of the North Atlantic Current.

The area of Labrador Current entrainment into the eastward moving North Atlantic Current had moved 110 to 150 km further south than it was in April. The eastward component accounts for the main flow of the Labrador Current while to the south the dynamic height chart (fig. 4) and water mass properties reveal a weak and indistinct flow of the Labrador Current.

### **Third Cruise (13 June-14 July 1973)**

In June and July only a brief general survey was made (fig. 5). In its place three intensive surveys were made of a 110 km square centered at  $44^{\circ}20'N$  and  $48^{\circ}30'W$  (figs. 6-8). The surveys

covered the region where the Labrador Current was entrained by the North Atlantic Current system. The major feature here, the reversal of the Labrador Current, shifted to the south 50km from survey one to three. This was approximately 1.8 km/day. The detail seen in the dynamic structure in these surveys was great compared to the structure displayed by the more conventional survey taken between Intensive Surveys II and III. The general pattern matches the northern portion of Intensive Survey III well. One can only conclude that the scales of motion seen are highly dependent on sampling.

## DIRECT CURRENT MEASUREMENTS

Since the early 1930's the International Ice Patrol has been conducting oceanographic surveys in the area of the Grand Banks with the objective of computing surface currents for iceberg drift determination. The method used to compute these currents has relied on the baroclinic geostrophic assumptions. Chief among these assumptions is that a level of no motion exists and that the current is a balance of the Coriolis force and the baroclinic pressure field. International Ice Patrol has used the 1,000 decibar (meter) surface as the reference surface since 1932.

In an effort to evaluate the validity of the assumption that there was no motion at 1,000 decibars, Ice Patrol initiated a direct current measuring program to determine the current velocities under the Labrador Current. In 1973 two moored current meters, using subsurface floats were deployed near the bottom under the Labrador Current. Geodyne Model 850 current meters were positioned approximately 40 meters above the bottom (see Table 2). The meters were set to record in the interval mode with a burst of 15 samples every 15 minutes.

The first meter was set at a depth of 879 meters at 44°13'N and 48°52'W on April 13th and recovered on May 14th of 1973. The second meter was set on 18 May at 951 meters depth at 45°33'N and 48°16'W and was recovered 30 June 1973.

The data records were complete for both meters and all components appeared to have functioned properly.

A simple average was taken of the measurements in each 15 minute interval. The averaged raw data show velocities as high as 25 cm s<sup>-1</sup> for both meters. These data were then smoothed using a numerical filter to effectively remove frequencies higher than 0.5 cycles/hour, thus reducing noise in the data. The current measurements were separated into two components; one tangential to the slope of the Grand Banks and the other normal to the slope. Positive values indi-

cated northward flow for the tangential component and eastward flow for the normal component.

The smoothed data were further treated using a numerical filter to remove frequencies higher than 0.8 cycles/day or periods shorter than 30 hours. This removed the diurnal and semidiurnal tidal currents. A difference between the smoothed data and the filtered data was calculated, which contained periods of approximately 2 to 30 hours.

These filtered data for the first current meter mooring at 44°13'N and 48°52'W show a surprising degree of variability. The current ranged from 14 cm s<sup>-1</sup> southward along the shelf to a quite unexpected current reversal of about 5 days duration, with a northward flow of up to 2 cm s<sup>-1</sup>. The mean current for this period was 3.4 cm s<sup>-1</sup> toward the south. The component normal to the shelf was virtually zero. The periodic residuals presented a rather complex picture. The standard deviations from the mean for the normal and tangential components were ±2.2 cm s<sup>-1</sup> and ±2.8 cm s<sup>-1</sup> respectively. The only identifiable periodic component was the lunar semidiurnal tide. Harmonic analysis indicated that there was a 17% probability for the normal component that the coefficients for this frequency could have been generated from random data and a 32% probability for the tangential. This rather high probability appears to stem from the fact that any baroclinic tides present are intermittent and not "phase-locked" to the forcing of the equilibrium tide.

For the other current meter at 45°33'N and 48°16'W the aperiodic current varied from 15 cm s<sup>-1</sup> southwestward along the banks to a 1 cm s<sup>-1</sup> northward flow that persisted for approximately one day. The mean current was 5.3 cm s<sup>-1</sup> toward the southwest. Again the normal current component was small in comparison with the tangential component.

The periodic residuals in this case had a standard deviation of ±3.0 cm s<sup>-1</sup> and ±2.9 cm s<sup>-1</sup> for the normal and tangential components respec-

tively. As in the previous case the only identifiable periodic component was the lunar semidiurnal tide. In this instance harmonic analysis indicated that there was less than 1% probability for both the normal and tangential components that the harmonic coefficients could have been generated by random data.

The low frequency fluctuations of the current for both meters were compared with the surface wind field. However, no clear relationship between the winds and the currents at these depths was found.

Surface currents computed for this period in the Labrador Current by the geostrophic method ranged from about  $15 \text{ cm s}^{-1}$  up to  $60 \text{ cm s}^{-1}$  southward. This compares with a mean current at

depth of from  $3.4$  to  $5.3 \text{ cm s}^{-1}$  for the April-May and May-June data respectively with values running as high as  $25 \text{ cm s}^{-1}$  for an instantaneous current. The current except in two cases was always southward along the slope. The direct current measurements were compared with geostrophic calculations of the current from nearby stations and at the depth of the current meters. When the differences between the two methods of current measurement were added to the surface current, the geostrophic values averaged 10% to 30% less than would be indicated by the directly measured current. Therefore, the geostrophic current calculations in the Labrador should be considered as minimums with the actual speeds being 10%-30% higher.

## INTENSIVE DYNAMIC SURVEYS

The three consecutive Intensive STD Surveys conducted during June and July 1973 provided a unique opportunity for a detailed study of oceanic circulation. A near-synoptic survey was made possible by the close station spacing in time and space. Taking note of the location and station density (fig. 1) of the approximately 122 x 111 km station grid, it is evident that the horizontal distributions of physical properties in this area, where the North Atlantic and Labrador Currents meet, would be more adequately defined by an intensive survey than by a survey consisting of only the Ice Patrol standard sections. The limited area covered by the surveys allowed for complete coverage in approximately three days, with repeated occupations within about 5 days (Table 3).

The calculation of ocean currents based upon relative dynamic depth anomalies has several limitations which detract from their reliability as estimates of true flow for certain areas of the Grand Banks (Kollmeyer, 1967). The underlying assumptions that conditions are steady state and that a dynamic equilibrium exists between the horizontal pressure gradient force and the Coriolis force do not apply where other forces have an important role. This is particularly true on the continental slope and outer shelf where bottom friction and wind induced sea surface slopes alter the mean flow from its baroclinic equilibrium assumed by geostrophy.

Aside from the inapplicability of simple geostrophy to the slope/shelf region, the means by which the surface dynamic depth anomaly is determined may compound the error. To determine the western wall of the Labrador Current it is necessary to make geostrophic current calculations in water shallower than the shelfbreak. To do this, the procedure previously referenced of extending the temperature and salinity isopleths horizontally into the continental slope is employed. These extrapolated data are then combined with the data from the measured water column above to determine a surface dynamic height to be used in surface current calculations. All stations shallower than the reference level of 1000 decibars are treated in this manner. For each section extending perpendicular to the continental shelf a new set of extrapolated temperature and salinity values are derived. Consequently, when these different values are applied to the calculation of dynamic heights there exists an upstream-downstream slope to the isosteric surfaces which have been extended horizontally into the continental slope. Consequently, there is an apparent flow into or out of the bank which we know cannot be correct.

A table of comparison has been prepared for the Intensive Surveys which illustrates the magnitude of error caused by the use of this method (Table 4).

TABLE 3  
*Intensive Dynamic Surveys*

I	Station Numbers	Number of Stations	Date/Time (GMT)	Duration (days)	Interval (days)
I	11330-11375	43	171725-221345 June	4.8	5.0
II	11376-11418	43	261415-292215 June	3.3	4.6
III	11450-11490	41	041125-071455 July	3.1	

TABLE 4

Comparison of the 1973 Intensive Dynamic Surveys calculated volume transports and surface currents for section "D" (fig. 1). One series of calculations (Constant Extrapolation Values) was derived from a single set of extrapolated temperatures and salinities. The second series (Variable Extrapolation Values) used a different set of extrapolations for each section normal to the slope in accordance with the traditional method.

## A. VOLUME TRANSPORT

<i>Intensive Survey</i>	<i>Constant (C) Extrapolation Values (<math>10^6 m^3 s^{-1}</math>)</i>	<i>Variable (V) Extrapolation Values (<math>10^6 m^3 s^{-1}</math>)</i>	$ C-V $ <i>Values (<math>10^6 m^3 s^{-1}</math>)</i>	<i>Per Cent Difference</i>
I	-0.047	-0.785	0.738	1570%
II	+1.264	+1.586	0.322	25%
III	-0.036	-0.909	0.873	2425%

## B. SURFACE CURRENT

<i>Intensive Survey</i>	<i>Constant (C) Extrapolation Values (<math>cm s^{-1}</math>)</i>	<i>Variable (V) Extrapolation Values (<math>cm s^{-1}</math>)</i>	<i>Mean of <math> \Delta C-V </math> (<math>cm s^{-1}</math>)</i>	<i>Per Cent Difference</i>
I	+ 3.92	- 3.03	6.95	175.9
	+16.79	- 0.24	17.03	101.4
	- 6.09	+ 1.74	7.83	128.6
	- 9.25	- 4.05	5.20	56.2
		$\bar{x} = 9.25$	$\bar{x} = 115.5\%$	
II	+27.17	+ 3.68	23.49	86.4
	- 6.63	- 1.92	4.71	71.0
	- 8.39	+ 5.21	13.60	162.1
	+10.86	+11.41	0.55	5.0
		$\bar{x} = 10.6$	$\bar{x} = 81.1\%$	
III	-29.38	- 9.08	20.30	61.1
	+18.64	+ 5.69	12.95	69.5
	-15.78	- 0.27	15.51	98.3
	+11.05	- 0.27	11.32	102.4
		$\bar{x} = 15.0$	$\bar{x} = 84.8\%$	

For each survey the net volume transport and surface current have been calculated for the N-S slope section. In one case the same extrapolated T and S values were used for all stations—those from the northernmost station. In the other, different extrapolated values were derived for each section. The results show that the net volume transport determined using the variable extrapolated values was overestimated by as much as  $.87 \times 10^6 m^3 s^{-1}$  and that the surface currents differed on the average by 81.1% to 115.5% when compared with those determined from the same (constant) set of extrapolated values. Even though the difference averaged only from  $9.2 cm s^{-1}$  to  $15.0 cm s^{-1}$ , a reversal in direction was encountered in 42% of the comparisons.

In the practice of applying the oceanographic data to the Ice Patrol current analysis, upslope-

downslope flow is not normally directly estimated as it has been here for this special survey. However, the surface dynamic heights for each survey are plotted on a chart and are contoured at each 0.02 dynamic meter interval. As a consequence of applying different extrapolated values to each section, whatever upstream-downstream slope of T and S properties that exists in the stations adjacent to the continental slope is extended into the Bank and is represented as a slope of the isosteric surfaces below the sediment boundary from one section to the next. The surface dynamic heights, as it has been shown, are biased by this artificial flow normal to the Bank. Often when surface dynamic topographies are contoured from these erroneous surface dynamic heights of shallow stations, a false flow of significant magnitude onto or off of the Bank is

evident (fig. 9). If this inaccurate representation is carried over into the surface current field entered into the computer array for iceberg drift, the surface current velocity component calculated from that field would tend to bias the drift in cross slope direction resulting in a biased iceberg drift prediction.

The obvious solution to this problem is to ensure that all isosteric surfaces below the ocean bottom in stations shallower than the reference level are level, and to show no slope resulting in current into or out of the Bank. However, to do this, a single set of averaged extrapolated values would have to be applied to all the shallow stations. This would give erroneous data for current estimates for the component of flow parallel to the Bank computed for continental slope stations of a magnitude equal to or greater than the error due to varying the extrapolated values from section to section.

There appears to be no solution to this problem that would preserve the relative dynamic topography from one station to the next and from one section to the next while still giving an accurate indication of flow up and down slope, if any. Procedurally in the course of performing computer drift predictions the effects of the bias upon drift caused by unrealistic flow in a direction normal to the Bank may be removed

if the magnitude can be estimated. This is simply done by calculating the surface current from dynamic height differences between adjacent sections (i.e., normal to the slope) using the deepest common depth of the two shallowest end stations of each section as the reference level for computing the dynamic height of the water column above that level (fig. 10). By setting the flow at this reference level to zero, one establishes mathematically what is known intuitively, that no current exists below the sediment boundary layer of the Bank.

Now that the cross slope component of current velocity has been determined independently of the along slope flow it may be applied to the iceberg drift solution in several ways. The east and north component of flow could be summed to obtain a current velocity vector applied in the vicinity of the western end of the sections concerned. Alternatively, the current velocities calculated for the cross slope flow in the manner described above might be programmed to compute the maximum allowable component of up-slope-downslope force for the computer solution of iceberg drift. Either application should improve the estimated current velocity input to predicted drift of icebergs when they are found in water shallower than 1000 meters.

## THE INTENSIVE SURVEYS: VOLUME FLOW ANALYSIS

The 1973 Intensive Surveys yielded three sets of oceanographic data in the same location on a relatively fine scale with only five days intervening. It is tempting then to analyze these data with the idea in mind of quantifying the relatively high frequency, small scale horizontal flow characteristics. The first avenue of approach is to determine and compare the volume transport into and out of what is essentially in cross section a trapezoidal solid constituting a volume of approximately  $2.6 \times 10^{13}$  cubic meters. A comparison of the net volume transport through the walls of this body of water (fig. 11) shows the relative change in the direction and volume of flow from one survey to the next. The extrapolated values of section "D" have been adjusted so that there is no flow into or out of the sub-sediment section of the Bank, thus it is a more realistic estimate of the volume flow in this area. Section "C" has also had its extrapolated values adjusted to agree with sections "A" and "D" in order that net transport through all four sides defining the survey area would total zero.

### Comparison of the First and Second Intensive Surveys

The results show a nearly linear increase in net transport which was southerly through the top section (A), of 76% from survey I to survey II, and 34% from survey II to survey III. Figure 12 indicates an increase in transport for both the southerly flowing Cold Core and Warm Water\* as well as the northerly flowing Warm Water during the interval between the first two surveys. The north flowing fraction of the Cold Core remained at a constantly low value. Comparison of the surface dynamic topographies from each survey (figs. 6 and 7) shows a broadening of the

dynamic trough in the center of the section with a transfer of much of the northward flowing water to the east. The result was a  $2.33 \text{ m}^3 \text{ s}^{-2}$  rate of increase of net southerly volume transport which compares well with a  $2.29 \text{ m}^3 \text{ s}^{-2}$  rate of increase of the Labrador Current Cold Core transport.

There was a dramatic decrease in westerly transport with a less substantial decrease in easterly transport to yield an insignificantly small increase in net transport (easterly) for section "B" which defined the eastern border of the survey. It is evident from the spacing and number of the surface dynamic height contour intervals (figs. 6 and 7) that the easterly flow through this section was less intense during the second survey.

The net increase in northerly transport of both Cold Core and Warm Water was slightly more than the increase of the southerly flowing water through the southern section, "C", to give a small excess of northerly flow over that of the first survey.

Considering the relatively consistent volume transports through the eastern and southern boundaries of the survey when compared with the acceleration of southerly flow in the topmost section, it is evident that the balance must occur in the western section. Indeed this is the case with a  $1.438 \times 10^6 \text{ m}^3 \text{ s}^{-1}$  increase in Cold Core flow (westerly) through section "D" which even included a reversal of net flow from east (off slope) to west (on slope) flow. In spite of the large percentage change taking place on the western boundary, at no place did the geostrophic current speed exceed  $13 \text{ cm s}^{-1}$  and for the most part was considerably less. As is apparent from the dynamic topography the westerly flow is concentrated between the northern two and between the southern two stations of this section. It seems that the rapid rate of increase in Labrador Current flow could only be accommodated by a flow onto the shelf on the western boundary since the North Atlantic Current prevented expansion to the south and east.

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\* Cold Core is defined by the Ice Patrol Division of the U.S. Coast Guard Oceanographic Unit as water which is less than  $2.0^\circ\text{C}$  and  $34.3^\circ/\text{oo}$ ; Warm Water is greater than  $2.0^\circ\text{C}$  and  $34.3^\circ/\text{oo}$ .



## Comparison of the Second and Third Intensive Surveys

In the final survey we find a further deepening of the dynamic trough. Volume transport changes around the survey perimeter were characterized by net increases in the easterly direction for the N-S oriented sections "B" and "D", and increases in southerly transport for E-W sections "A" and "C". The major contributions to these net transport differences came from an offsetting increase in Warm Water and a decrease in Cold Core southerly transport which allowed the decrease in both Warm Water and Cold Core northerly transport to effect a greater net southerly transport through the topmost section. This increase was not the result of any rise in the velocity nor the extent of the Labrador Current (figs. 7 and 8). In fact, the surface layer velocities indicate that the current had reached steady state, or perhaps even decelerated, down from a maximum of  $55.1 \text{ cm s}^{-1}$  on the second survey to  $49.1 \text{ cm s}^{-1}$  on the third survey. Rather, a decrease in the northerly flow of Cold Core and Warm Water from the second to third survey was the cause of the net southerly increase. This 53.2% reduction in northerly flow through the top section coincided with a 28.7% decrease in northward transport through the bottom section and an 18.0% increase in the volume of water

exiting the survey area through the eastern section. The western boundary of the third survey may be characterized as having the least deviation of the Labrador Current from the normally bathymetrically defined path along the continental slope. This may be seen from the percentage of Cold Core water passing through the top section of the survey that also passed through the bottom section. This value reached its highest during survey III (71.4%), least during the second survey (26.0%) when there was a large up slope transport of Cold Core water volumes, and intermediate (58.9%) during survey I.

The southern boundary of these surveys showed a variation in northerly transport of Warm Water which may be compared with the dynamic changes in the rest of the survey domain. The northward flow of Warm Water increased 10.6% from the first to second survey and decreased 41.0% from the second to the third survey to a level 34.8% below that of the first survey. It is noteworthy that the increased northward transport occurred when the south-flowing Labrador Current had a considerable on-slope component of flow and that the lowest northerly transport of Warm Water was correlated with the greatest infiltration of the southern flow of Cold Core water through the survey area.

## CONCLUSIONS

A coincidental increase in southward flow of Labrador Current water and northward flow of North Atlantic Current water between the first and second Intensive Surveys caused a reversal in the slight residual off slope flow along the western boundary to a sizable  $1.264 \times 10^6 \text{m}^3 \text{s}^{-1}$  on slope component and a broadening of the dynamic low in the top center of the survey area. A decrease in volume transport of the North Atlantic Current from the second to the third Intensive Survey resulted in a deepening of the trough which then extended to the southernmost two sections. The reduced North Atlantic Cur-

rent flow most probably ensued from the southeasterly excursion of a meander; in fact, the entire pattern of volume flow changes during the three intensive surveys could be explained by the passage of the crest of a meander typical to the area, or could merely be a southeasterly retreat of the main axis of the North Atlantic Current. However, neither mode can be proved by the available data. Finally, the Labrador Current entering from the north was allowed to infiltrate the area to its greatest extent with the highest percentage of Cold Core water passing through the southernmost section.

## SUMMARY

1. Three Ice Patrol cruises, April, May and June-July 1973 were analyzed. During the first cruise the North Atlantic Current was found 74 km farther north than usual and it impinged on the Tail-of-the-Bank forcing the Labrador Current up on the Bank. The much stronger North Atlantic Current appears to be capable of overwhelming the weaker Labrador Current and turning it eastward or westward. By the time of the second cruise the North Atlantic Current had receded somewhat toward the south and the flow of the Labrador Current at A4 had increased threefold from the previous cruise. The third cruise which included three intensive dynamic surveys between  $43^{\circ}30'N$  and  $45^{\circ}N$  showed a continuation of the southward progression of the point of reversal of the Labrador Current. This in turn affected the area enclosed by the dynamic trough separating the two main current systems, and consequently, the drift of icebergs in that region.

2. During the May cruise the formation of a large cyclonic meander was noted in the North Atlantic Current. The possible production of cold water cyclonic rings to the south of the warm North Atlantic Current by these meanders could explain the presence of icebergs far to the south of this warm water barrier.

3. Direct current measurements were made at two locations for two separate time intervals. The current meter records exhibited low mean speeds of  $2 \text{ cm s}^{-1}$  and  $5.3 \text{ cm s}^{-1}$  toward the southwest. Maximum speeds were  $14 \text{ cm s}^{-1}$  and  $15 \text{ cm s}^{-1}$  respectively with a single short period burst of  $25 \text{ cm s}^{-1}$ . Small reversals in current direction were observed to average  $2 \text{ cm s}^{-1}$  and  $1 \text{ cm s}^{-1}$ . The only identifiable periodic component was the lunar semidiurnal tide which appeared to be intermittent and, thus, did not seem to be phase-locked to the equilibrium tide. Comparison of the geostrophically determined surface currents

with the directly measured currents at depth indicates that Labrador Current measurements are probably underestimated by 10-30% by the methods presently used.

4. Calculations of geostrophic current and volume transports on the shelf and slope of the Intensive Dynamic Surveys indicate that the method of extrapolation of temperature and salinity values into the Bank causes an inherent error in the estimate of cross slope flow in stations shallower than the reference level. The along slope inclination of isosteric surfaces is carried into the Bank by this method and, therefore results in an apparent flow into or out of the subsediment boundary of the continental slope. The overestimation of on/off slope currents may be compensated for by calculating the component of flow normal to the slope between adjacent sections with level isosteric surfaces below the ocean/sediment interface, and making that the input to the iceberg drift computer program.

5. A detailed analysis of volume transport calculations made during the three Intensive Dynamic Surveys in June and July revealed that in a 21 day period there was a simultaneous increase in Labrador Current and North Atlantic Current transport which drove the Labrador Current up onto the Bank. This was followed by a recession of the North Atlantic flow, either by reduction in transport or, more likely, a shift in the axis of the stream which allowed a greater portion of the Labrador Current volume transport to flow out of the southern end of the survey area. The progression of the crest of a meander through this area would also account for the dynamic conditions described, but could not be supported because of the lack of data to the east of the survey.

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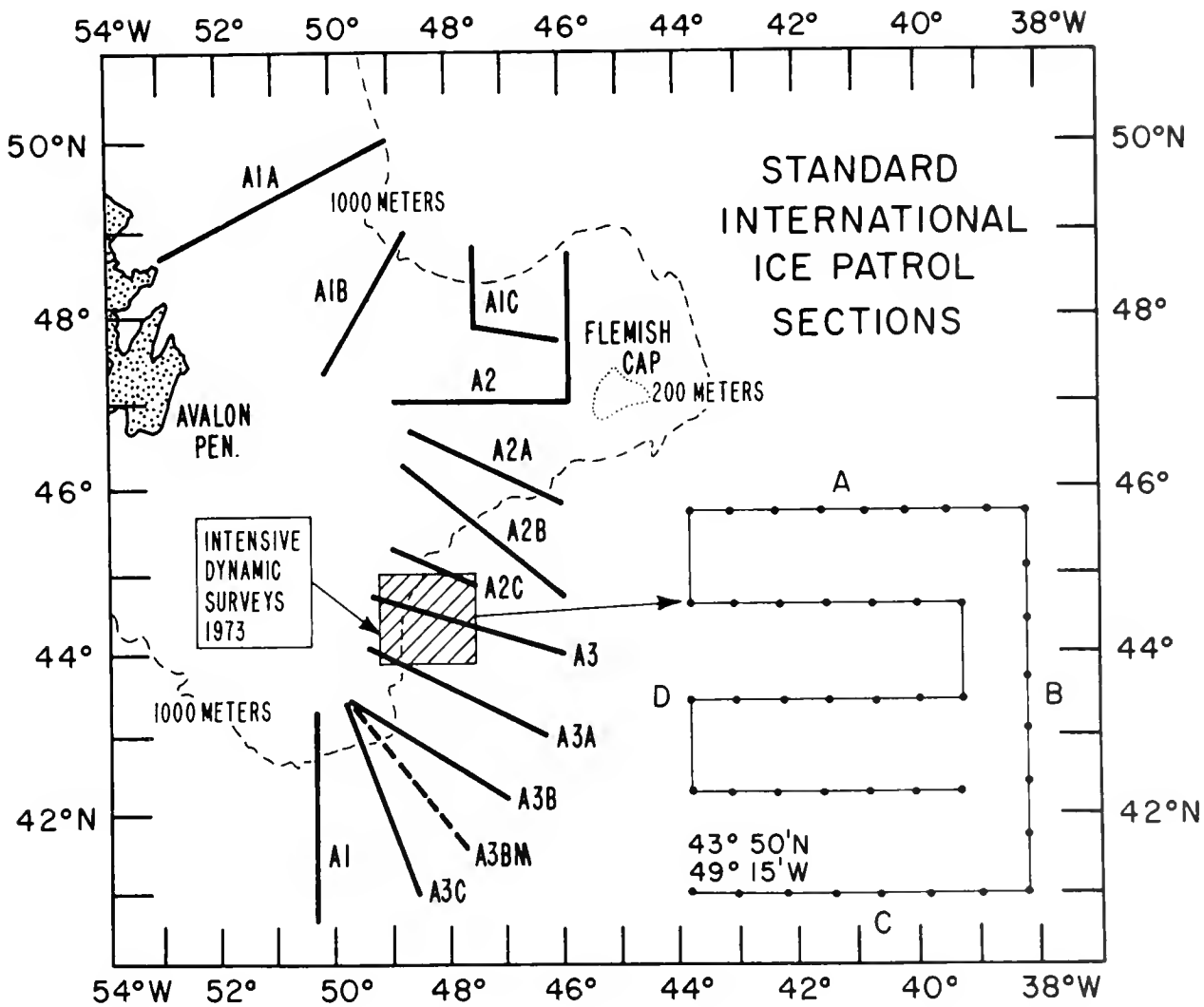


FIGURE 1. Standard International Ice Patrol Sections. Inset shows station tracklines for Intensive Dynamic Surveys I-III, 1973.

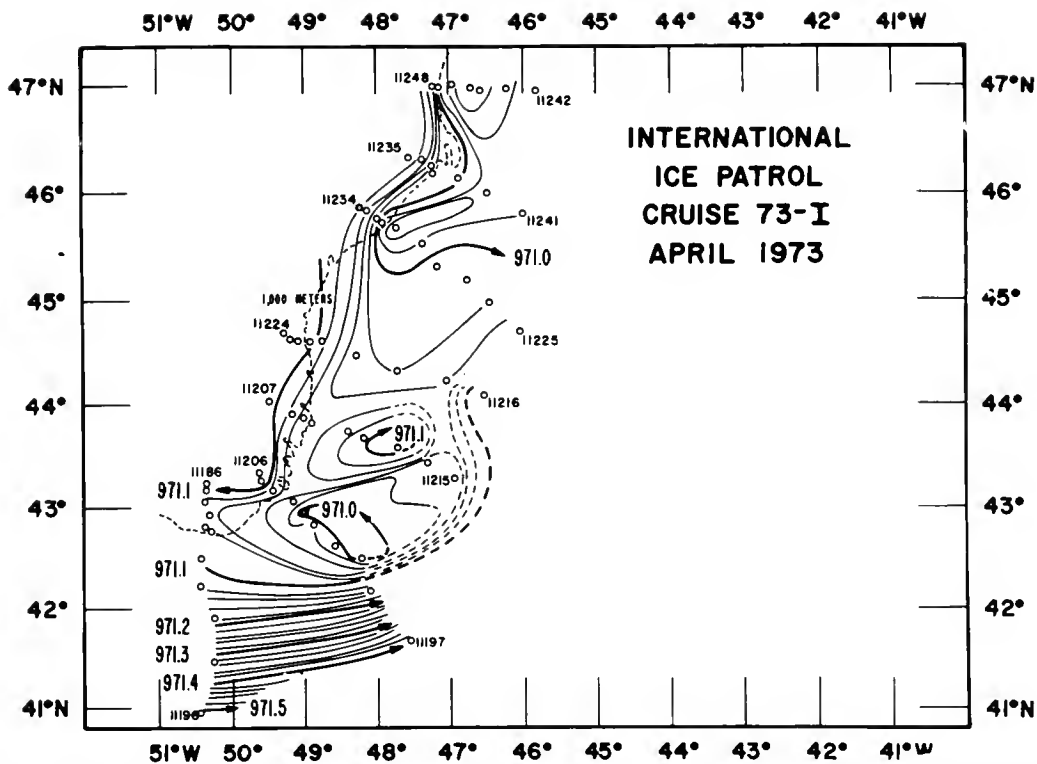


FIGURE 2. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 3-22 April 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.

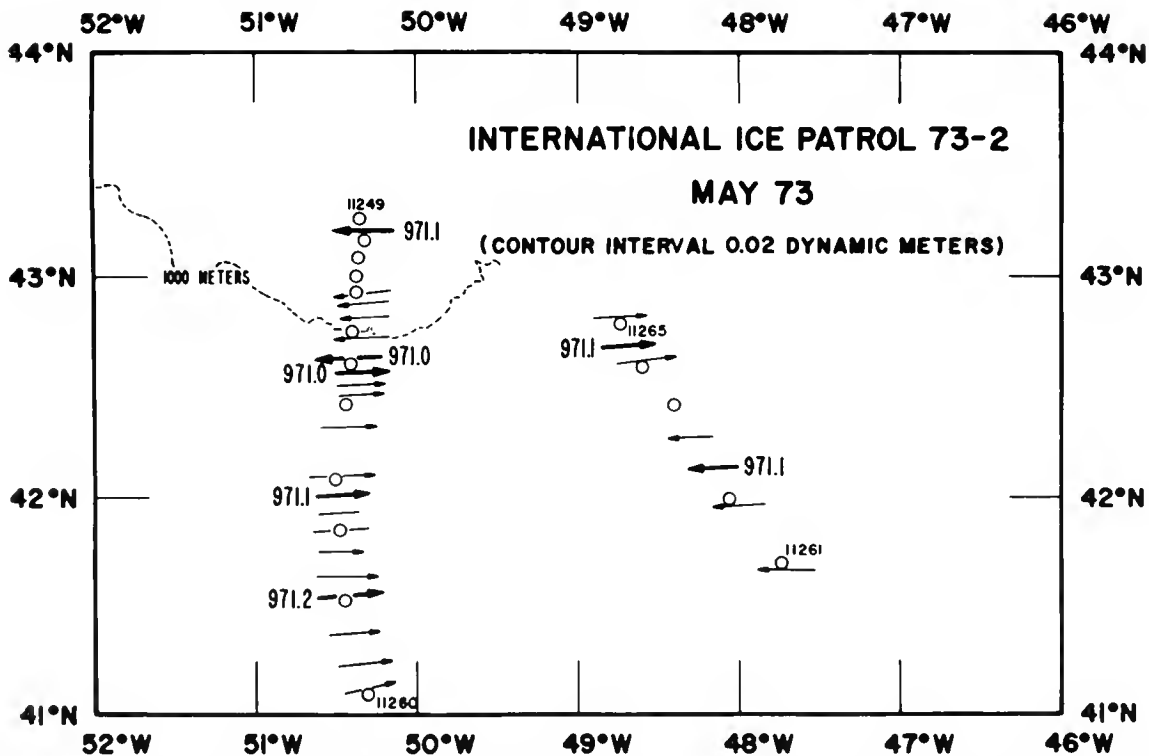


FIGURE 3. April monthly normal dynamic topography (dynamic meters) of the sea surface relative to the 1000 decibar surface. Contour interval is 2 dynamic centimeters (from Scobie and Schultz, 1976).

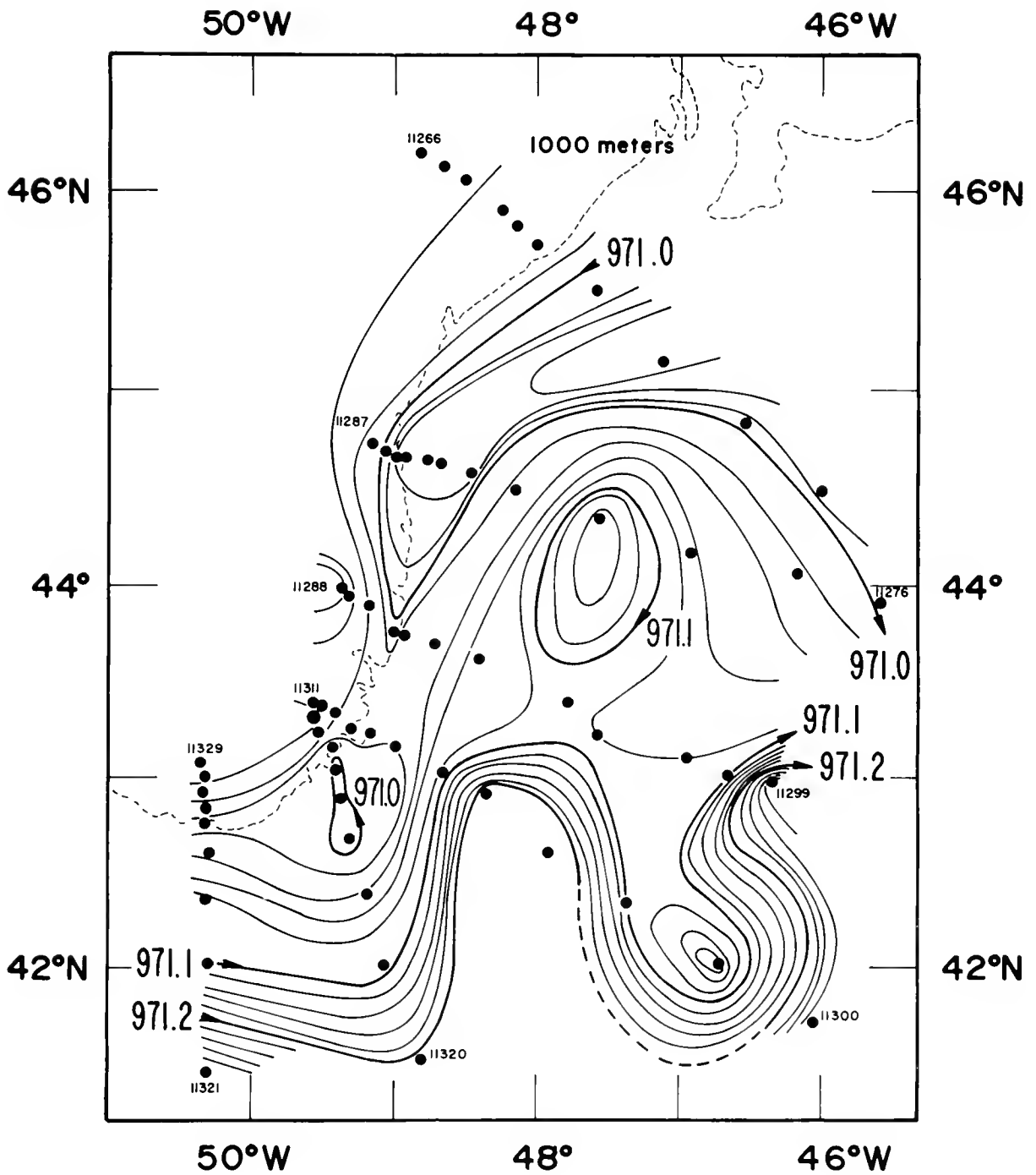


FIGURE 4. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface from data collected by CGC EVERGREEN, 8-28 May 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.

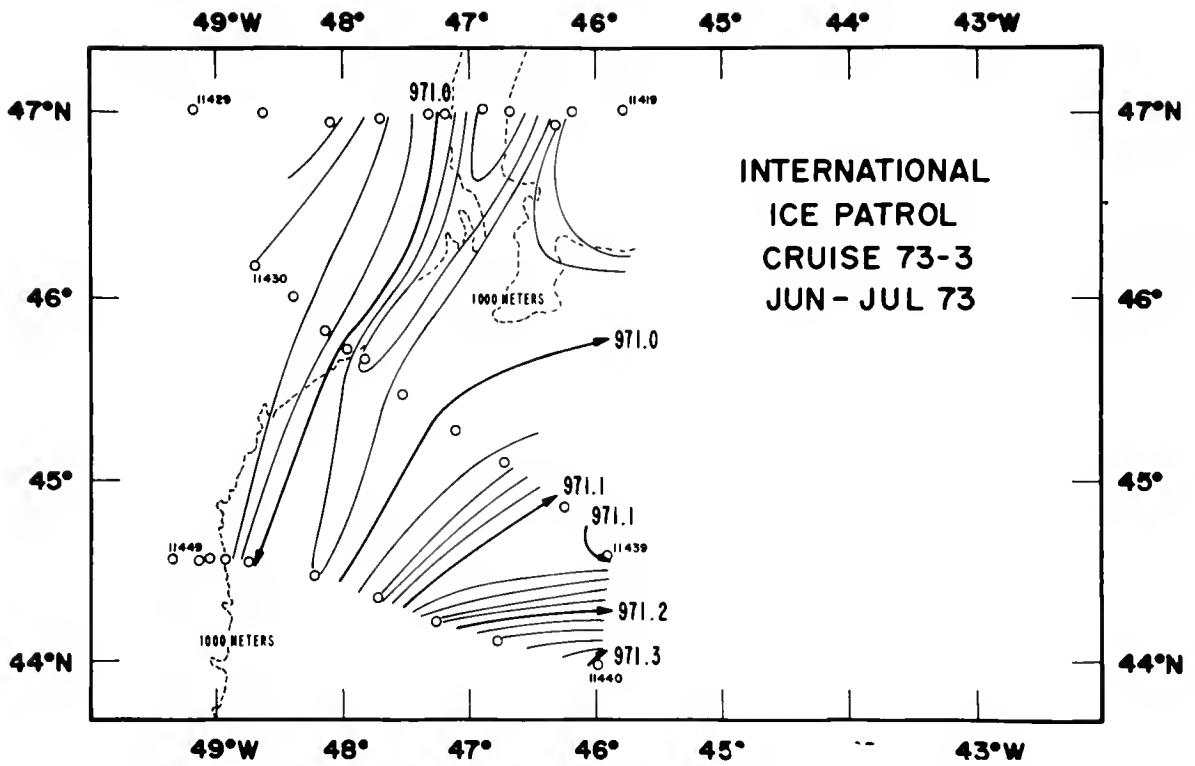


FIGURE 5. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface from data collected by CGC EVERGREEN, 13 June-14 July 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.

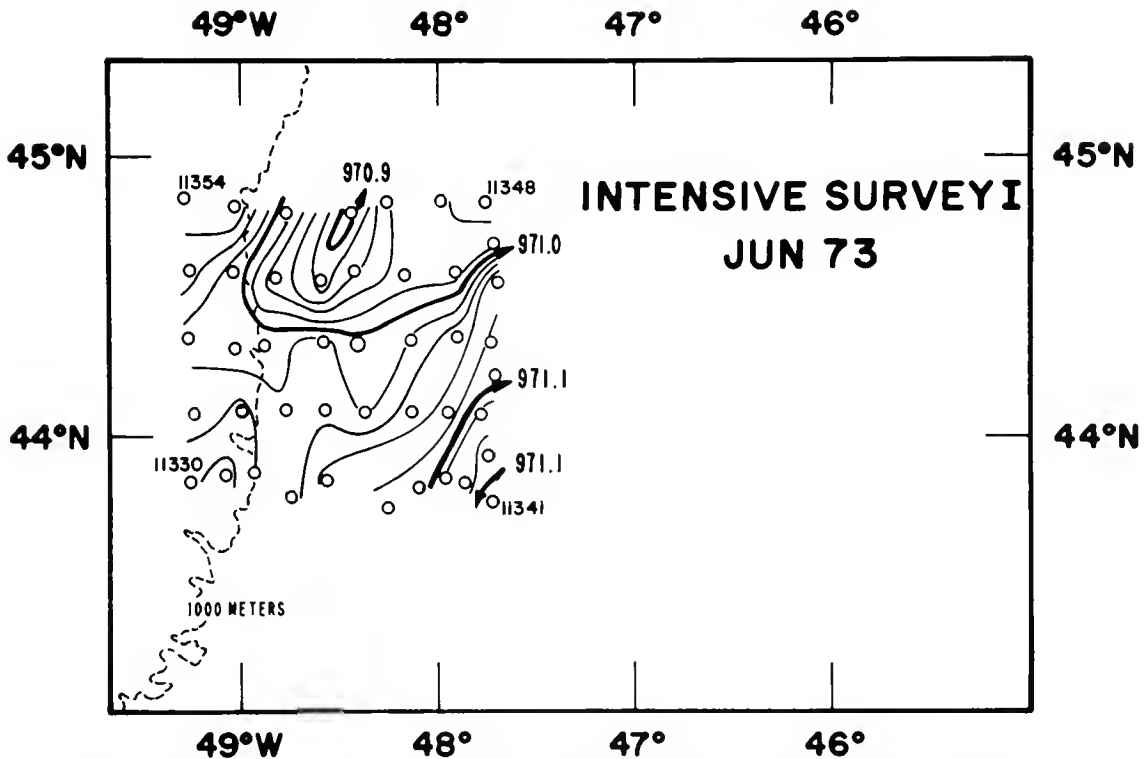


FIGURE 6. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface from data collected by CGC EVERGREEN, Intensive Dynamic Survey 1, 17-22 June 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.



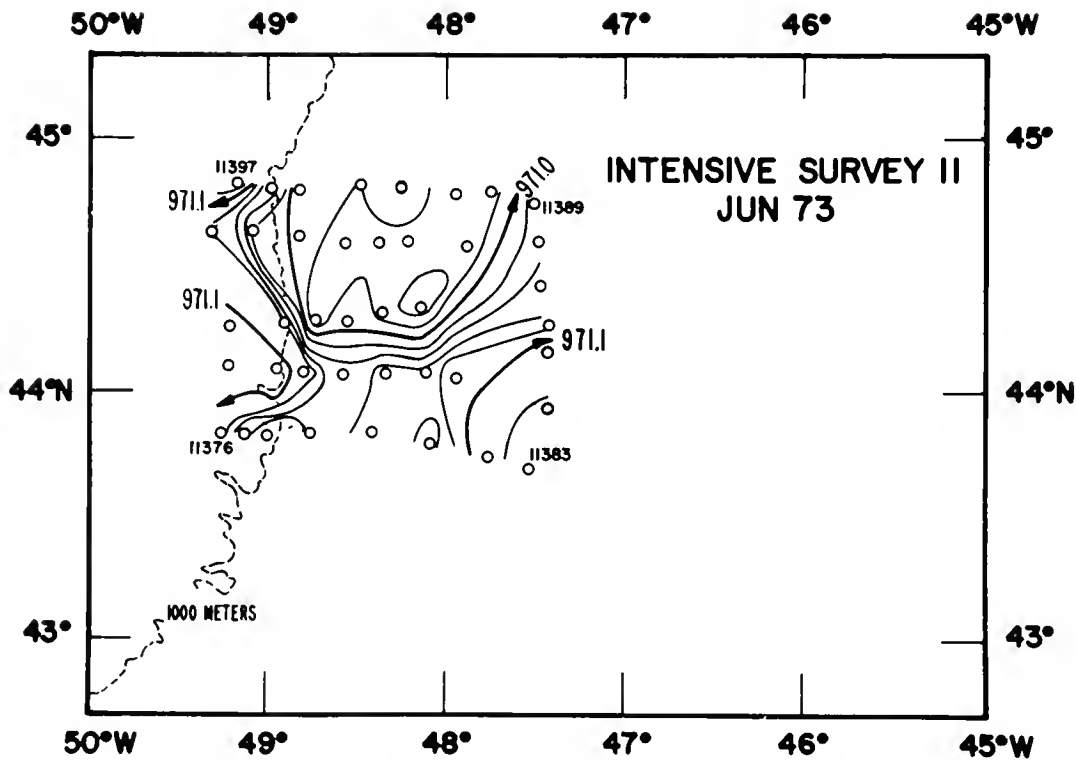


FIGURE 7. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface from data collected by CGC EVERGREEN, Intensive Dynamic Survey II, 26-29 June 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.

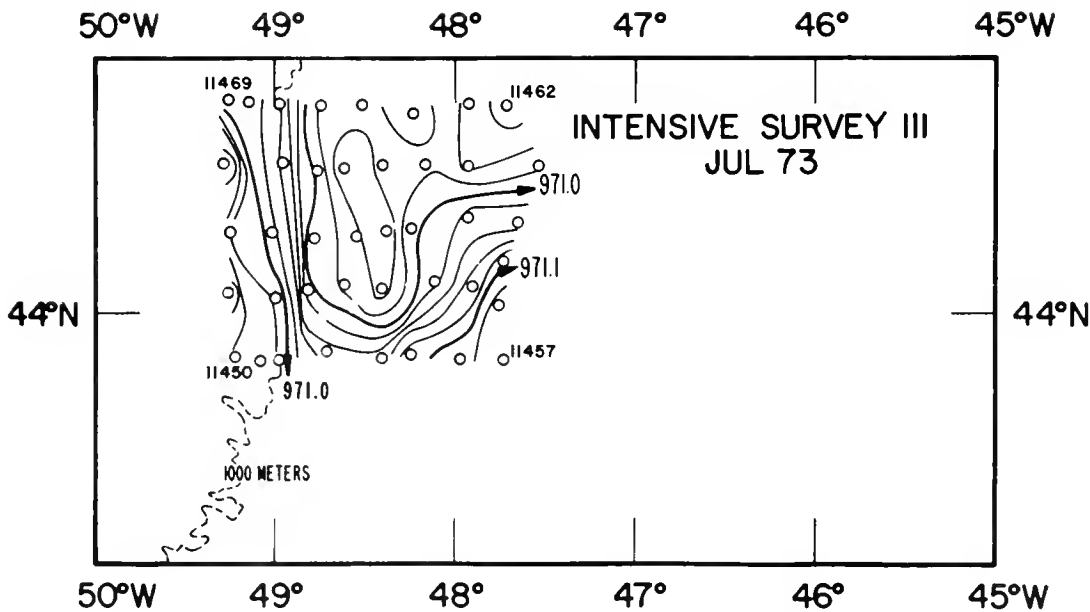


FIGURE 8. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface from data collected by CGC EVERGREEN, Intensive Dynamic Survey III, 4-7 July 1973. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers given at turning points.

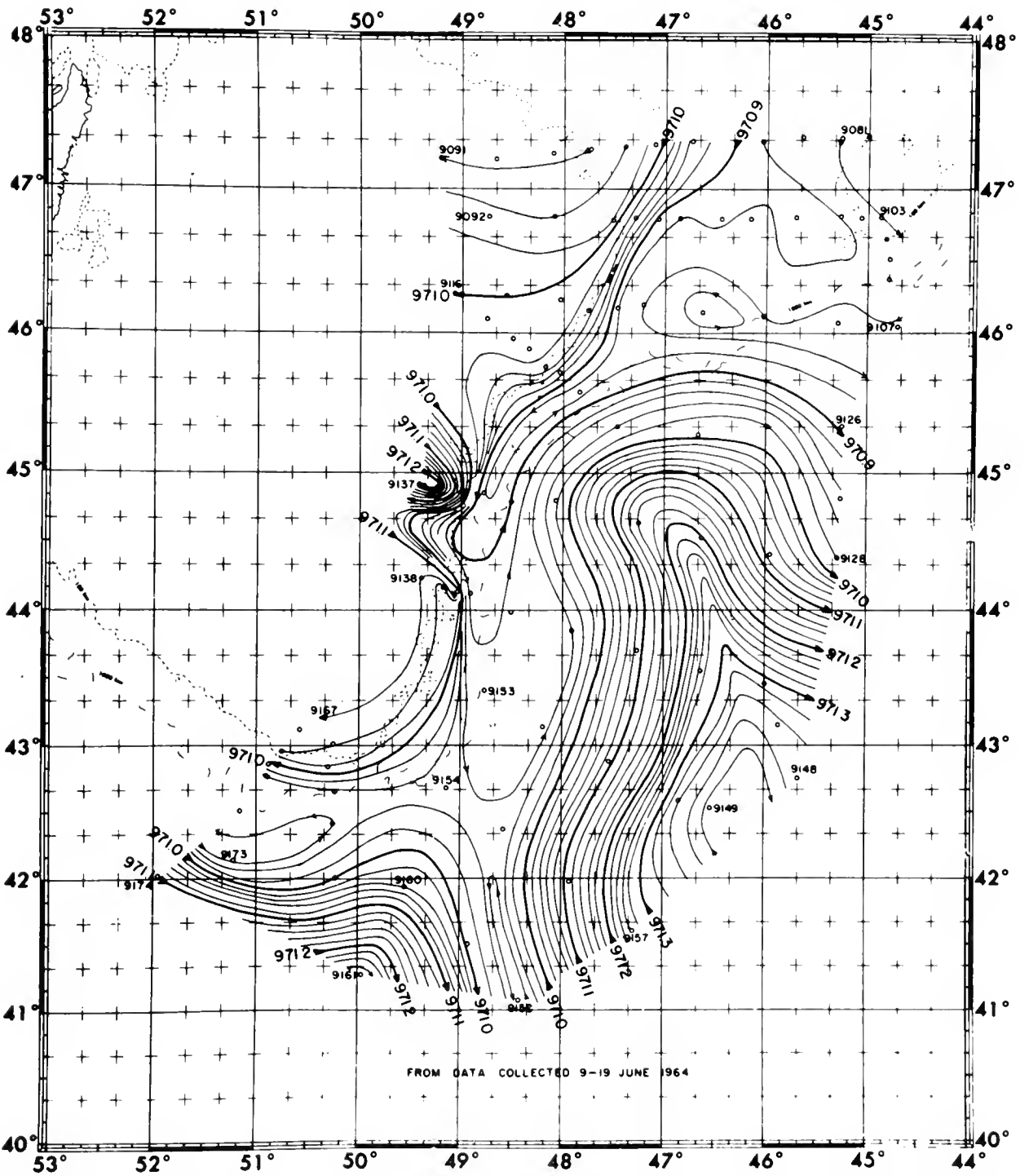


FIGURE 9. Dynamic topography of the sea surface relative to the 1000 decibar surface from data collected 9-19 June 1964. [Contour interval is 2 dynamic centimeters.] Oceanographic station positions are indicated and the station numbers given at turning points (from Kollmeyer et al., 1965).

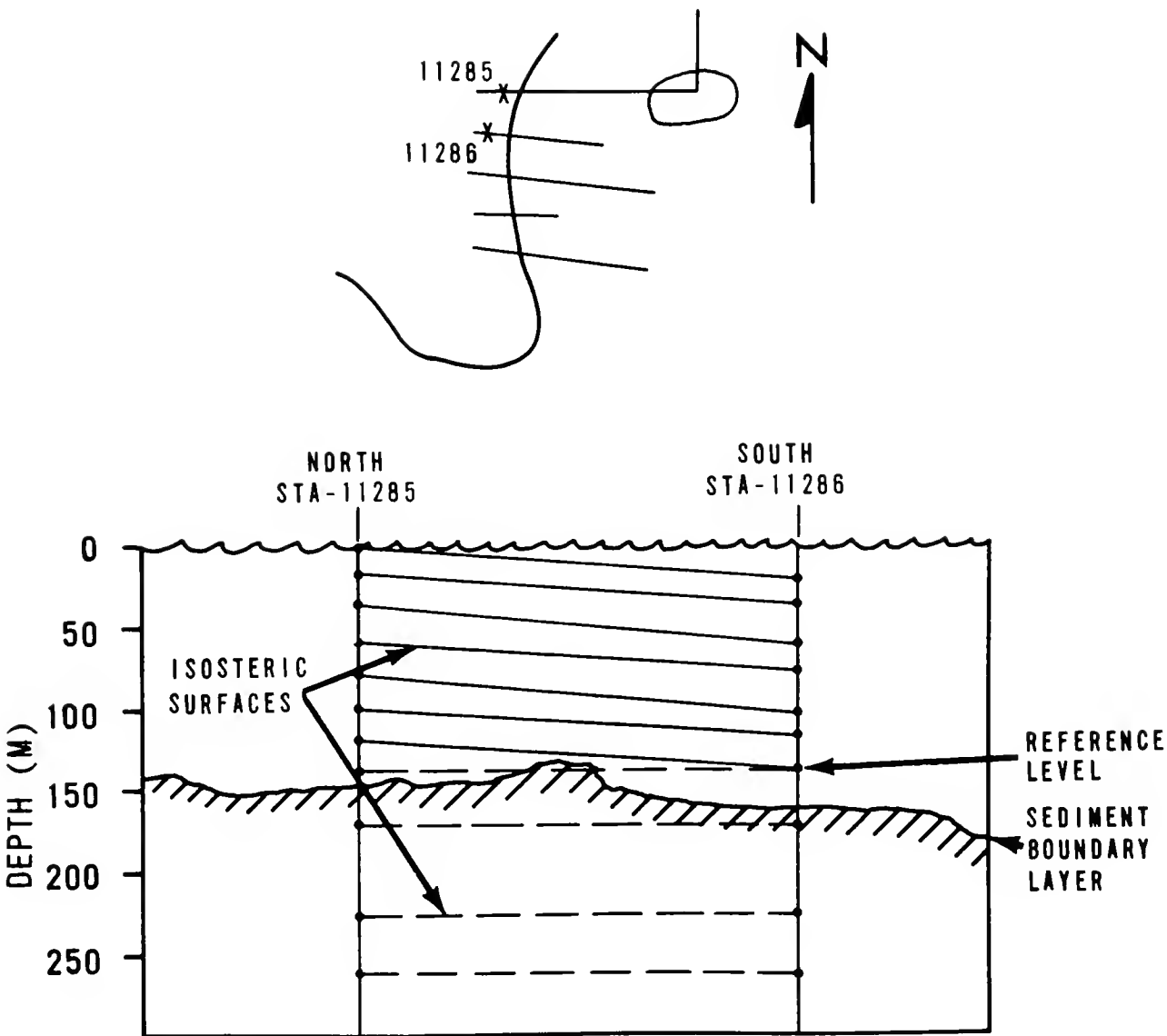


FIGURE 10. Diagram of the method for computing surface currents normal to the continental slope. See text for the explanation.

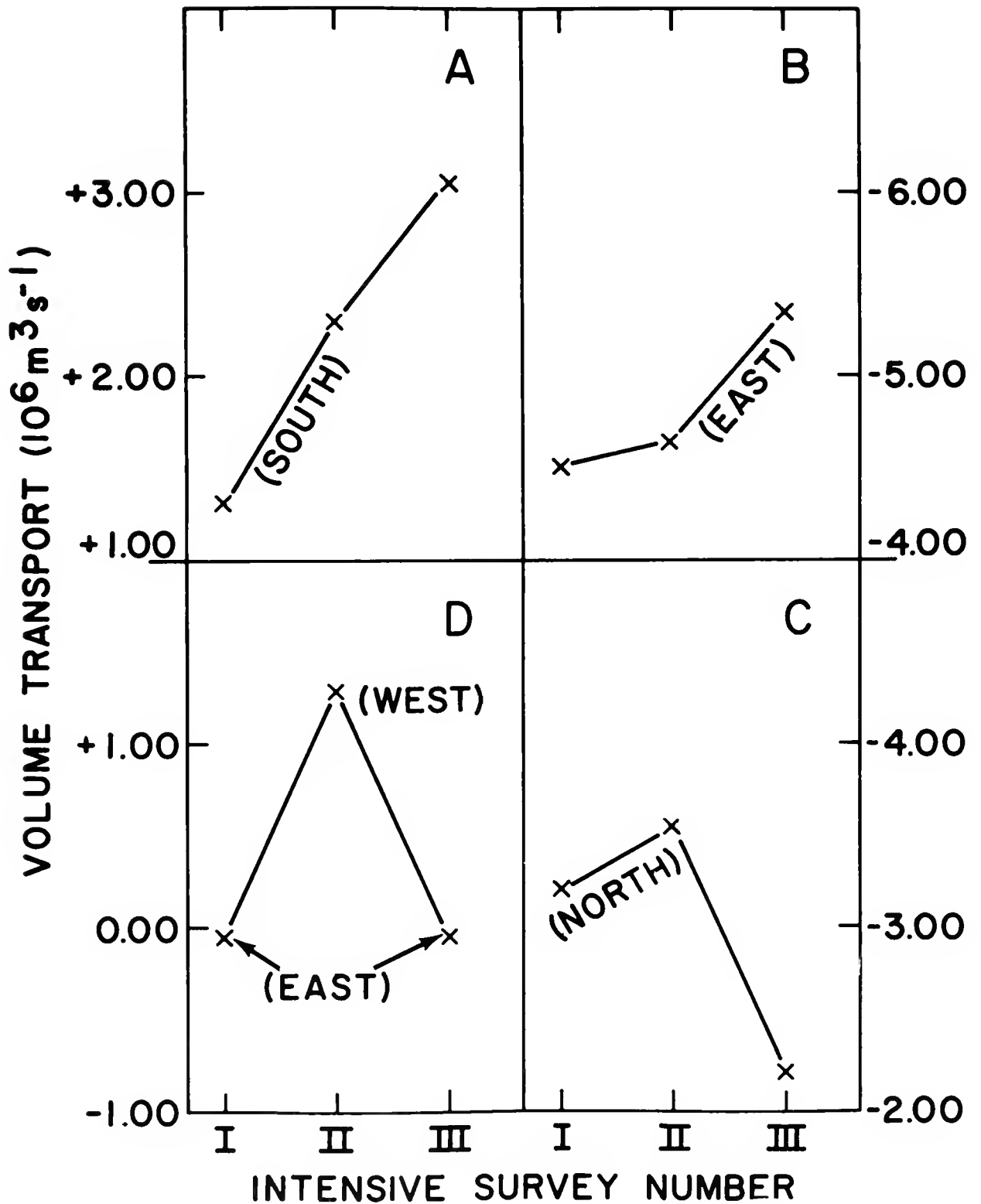


FIGURE 11. Net volume transport ( $10^6 \text{ m}^3 \text{ s}^{-1}$ ) through the perimeter sections "A", "B", "C", and "D" versus Survey during Intensive Dynamic Surveys I-III, 1973.

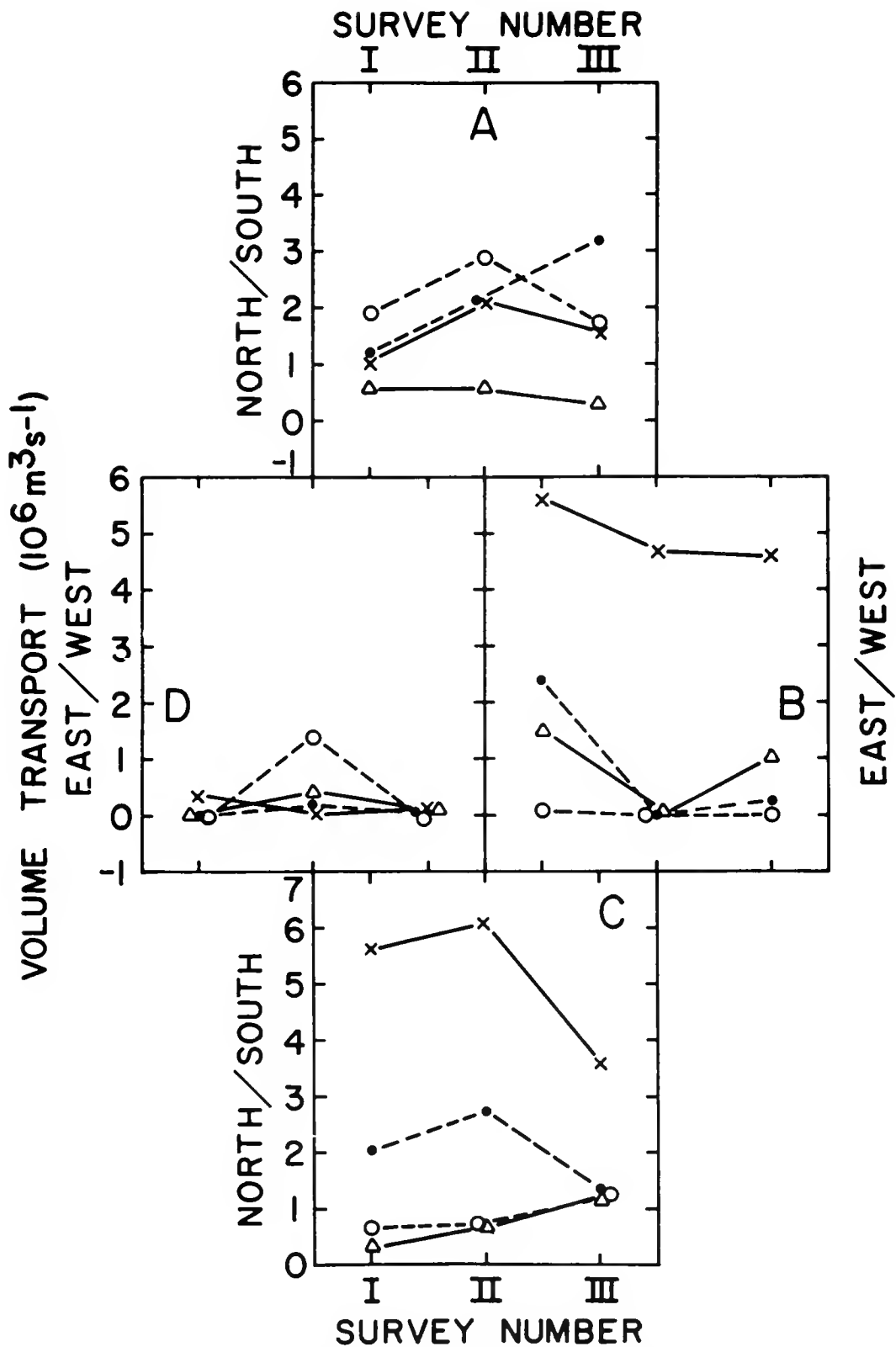


FIGURE 12. Volume transport ( $10^6 \text{ m}^3 \text{ s}^{-1}$ ) differential by water property type and direction of flow versus Survey from the Intensive Dynamic Surveys I-III, 1973.  $\Delta$  ——— is Cold Core (north or east),  $\times$  ——— is Warm Water (north or east),  $\circ$  - - - - - is Cold Core (south or west), and  $\bullet$  - - - - - is Warm Water (south or west). Cold Core is defined by the International Ice Patrol Division of the Coast Guard Oceanographic Unit as water less than  $2^\circ\text{C}$  and  $34.3\text{‰}$ ; Warm Water is greater than  $2^\circ\text{C}$  and  $34.3\text{‰}$ .

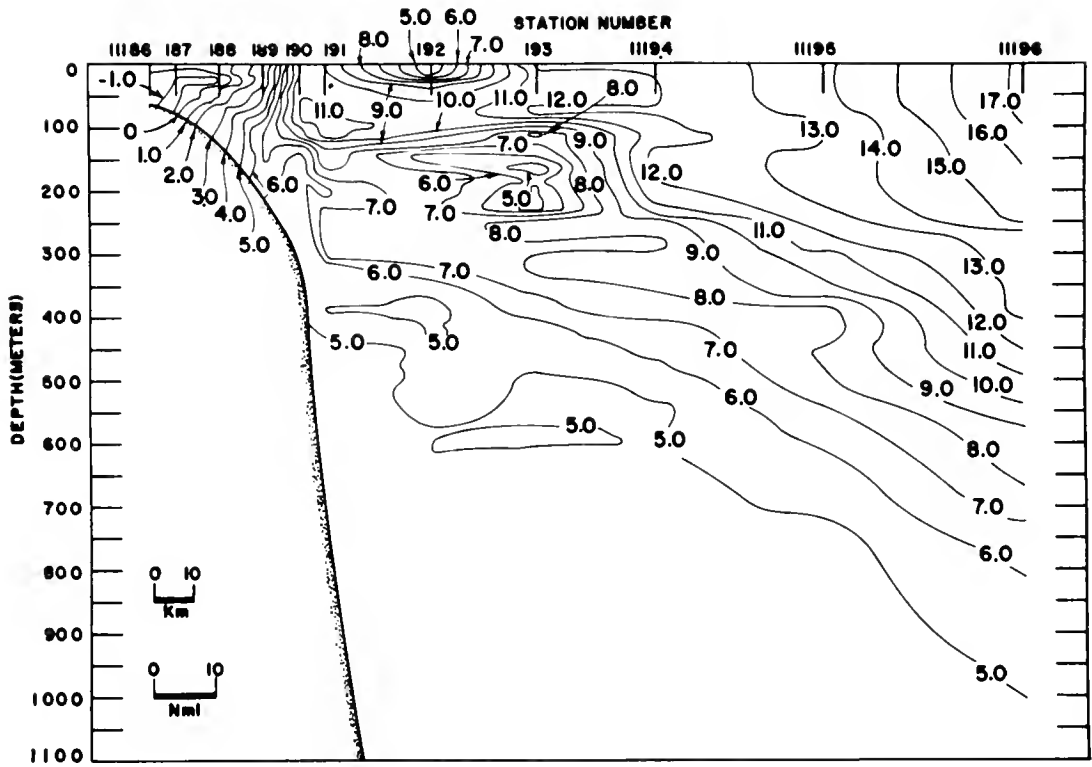


FIGURE 13. Vertical temperature ( $^{\circ}\text{C}$ ) section A4, occupied by CGC EVERGREEN, 7-8 April 1973.

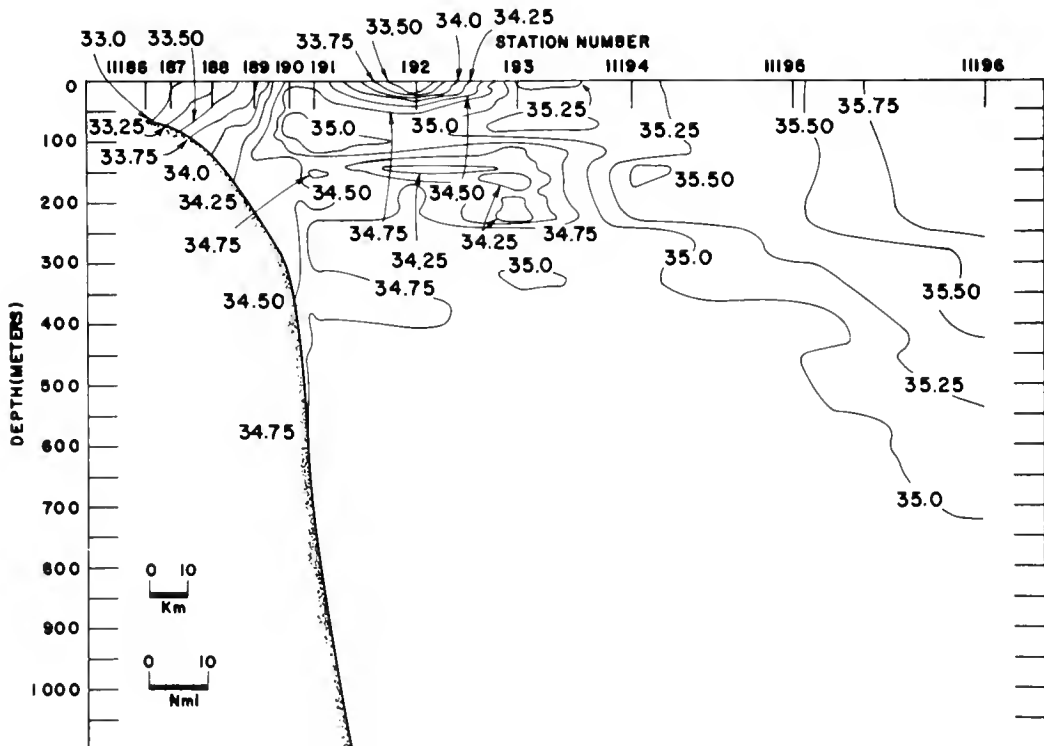


FIGURE 14. Vertical salinity ( $\text{‰}$ ) section A4, occupied by CGC EVERGREEN, 7-8 April 1973.

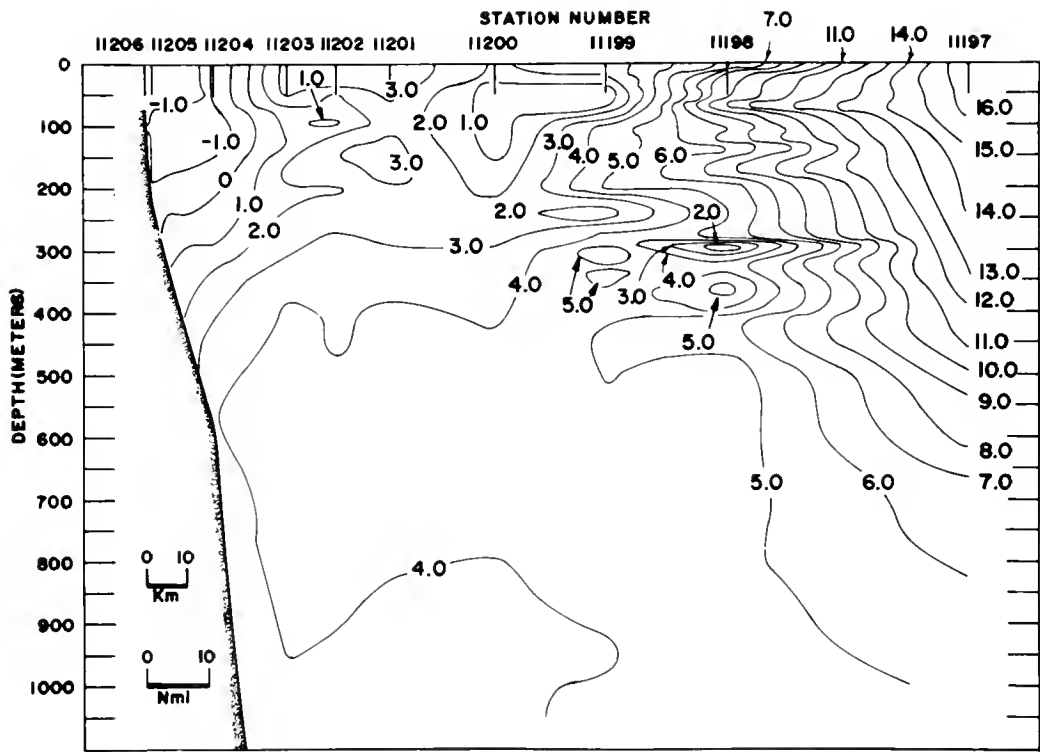


FIGURE 15. Vertical temperature ( $^{\circ}\text{C}$ ) section A3B MOD, occupied by CGC EVERGREEN, 9-10 April 1973.

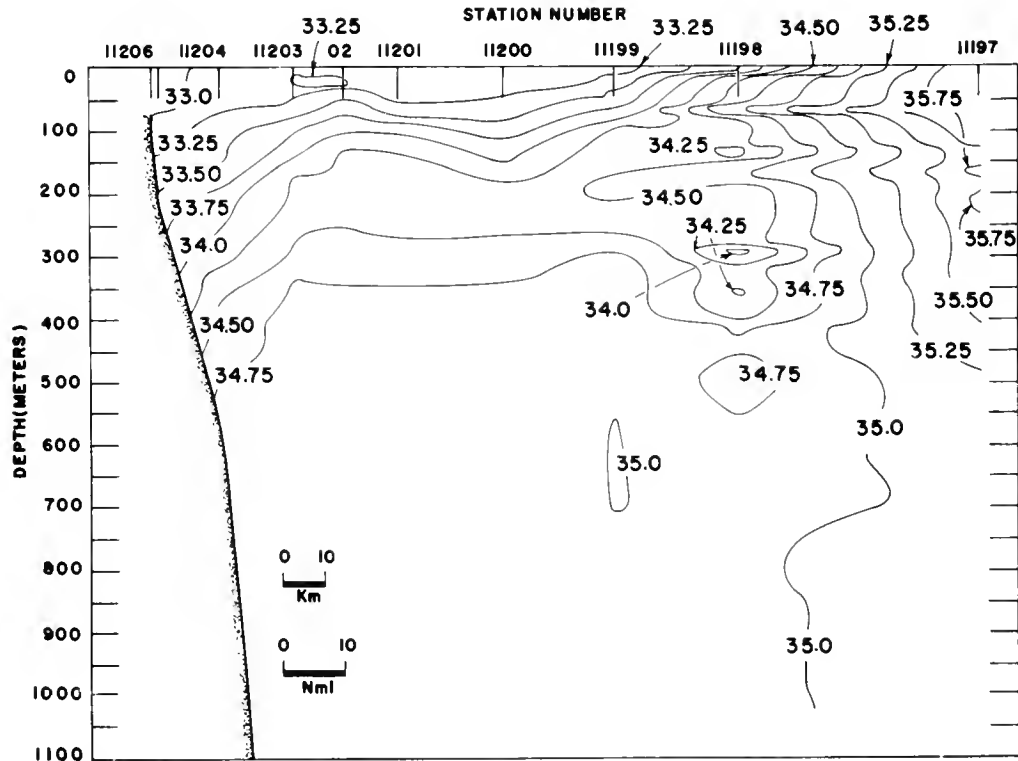


FIGURE 16. Vertical salinity ( $\text{‰}$ ) section A3B MOD, occupied by CGC EVERGREEN, 9-10 April 1973.

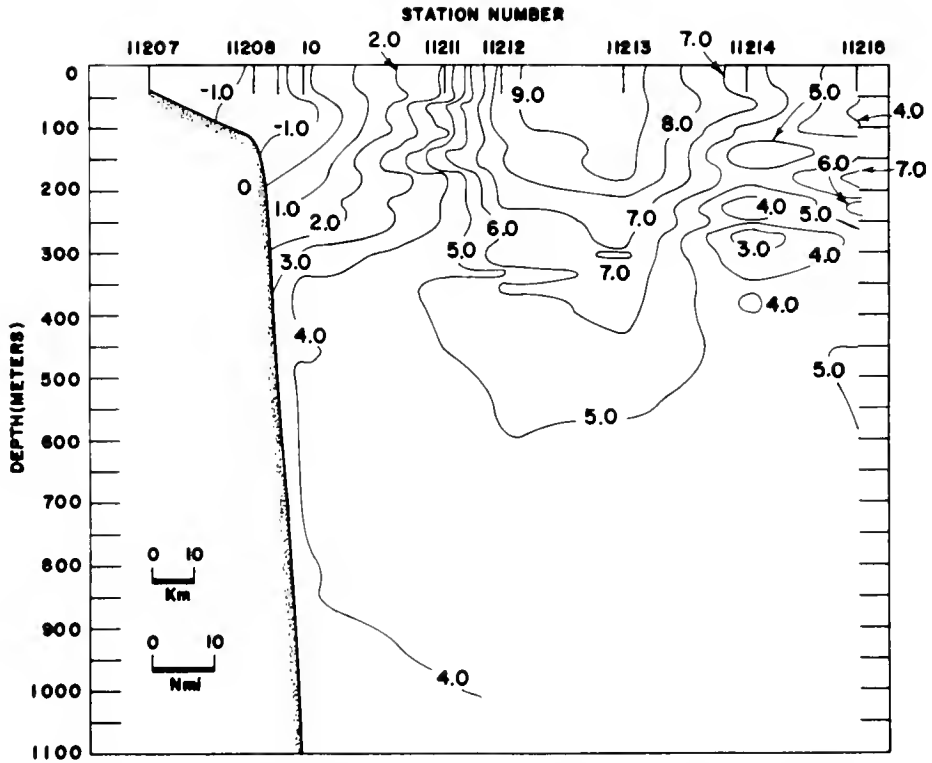


FIGURE 17. Vertical temperature ( $^{\circ}\text{C}$ ) section A3A, occupied by CGC EVERGREEN, 10-11 April 1973.

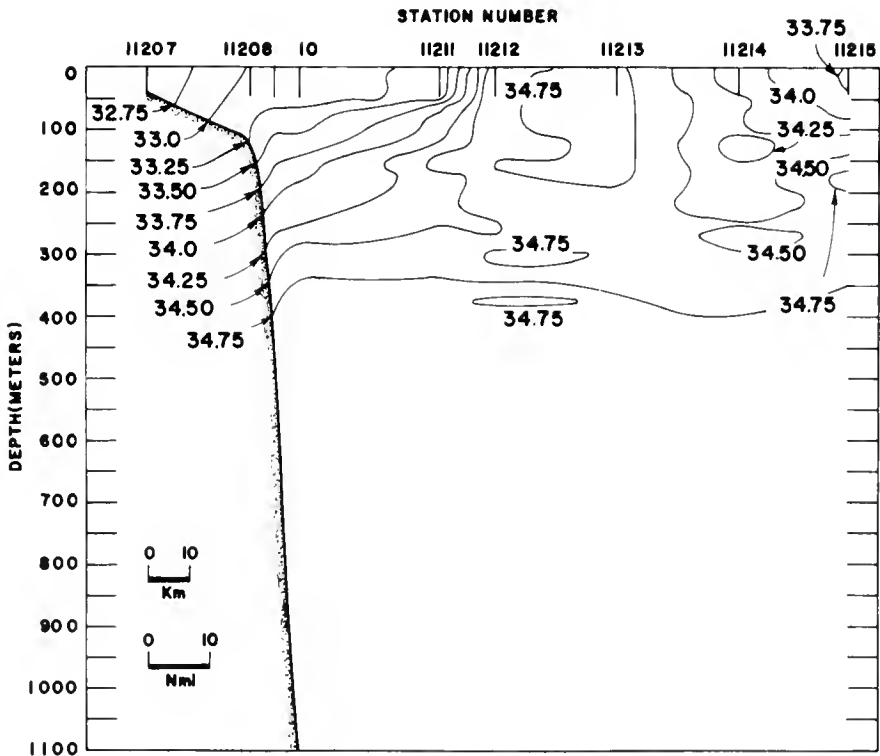


FIGURE 18. Vertical salinity ( $\text{‰}$ ) section A3A, occupied by CGC EVERGREEN, 10-11 April 1973.



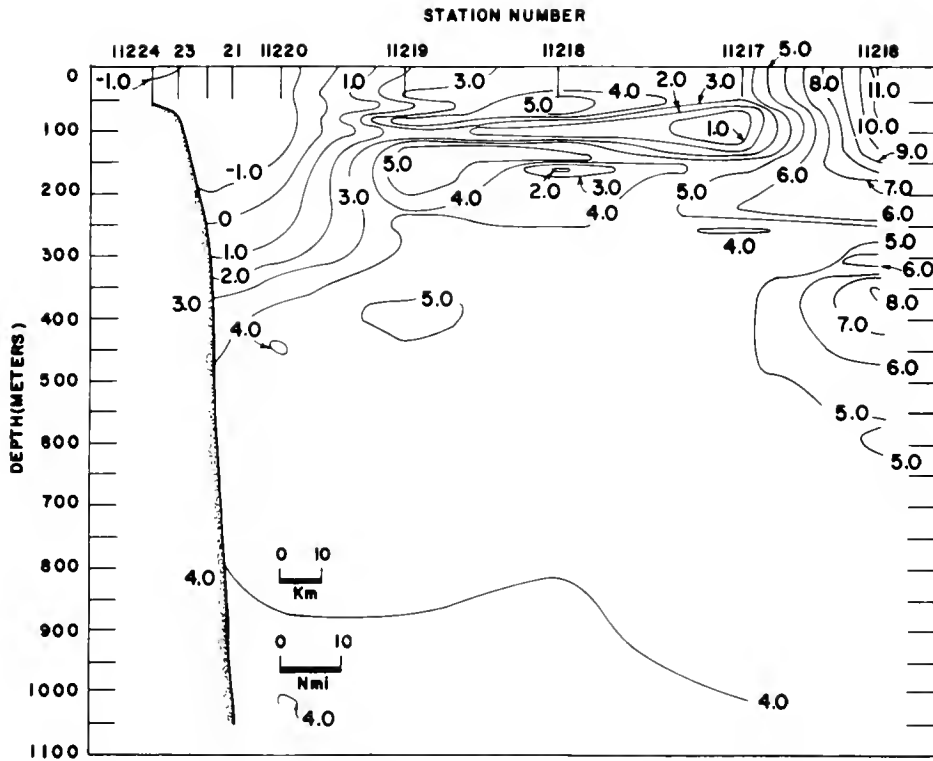


FIGURE 19. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 11-12 April 1973.

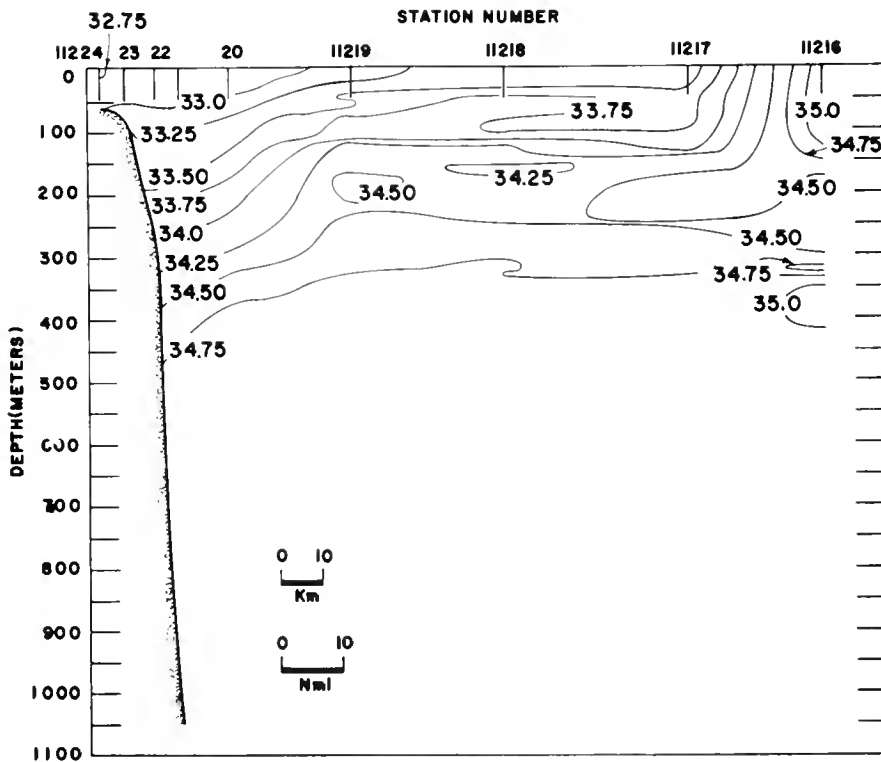


FIGURE 20. Vertical salinity ( $\text{‰}$ ) section A3, occupied by CGC EVERGREEN, 11-12 April 1973.

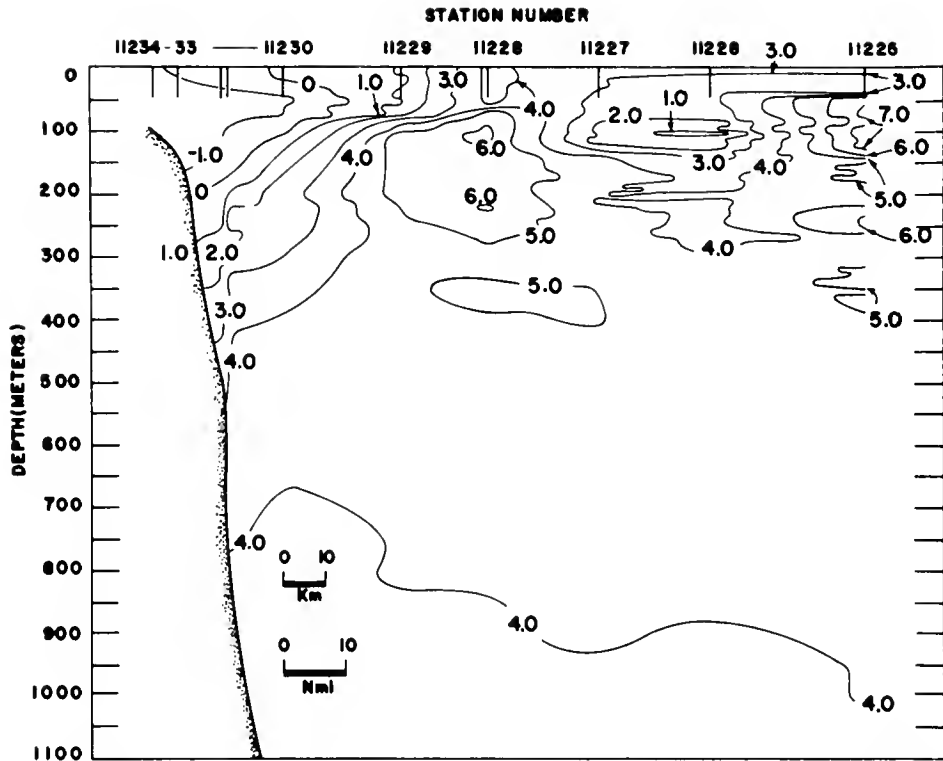


FIGURE 21. Vertical temperature ( $^{\circ}\text{C}$ ) section A2B, occupied by CGC EVERGREEN, 19-20 April 1973.

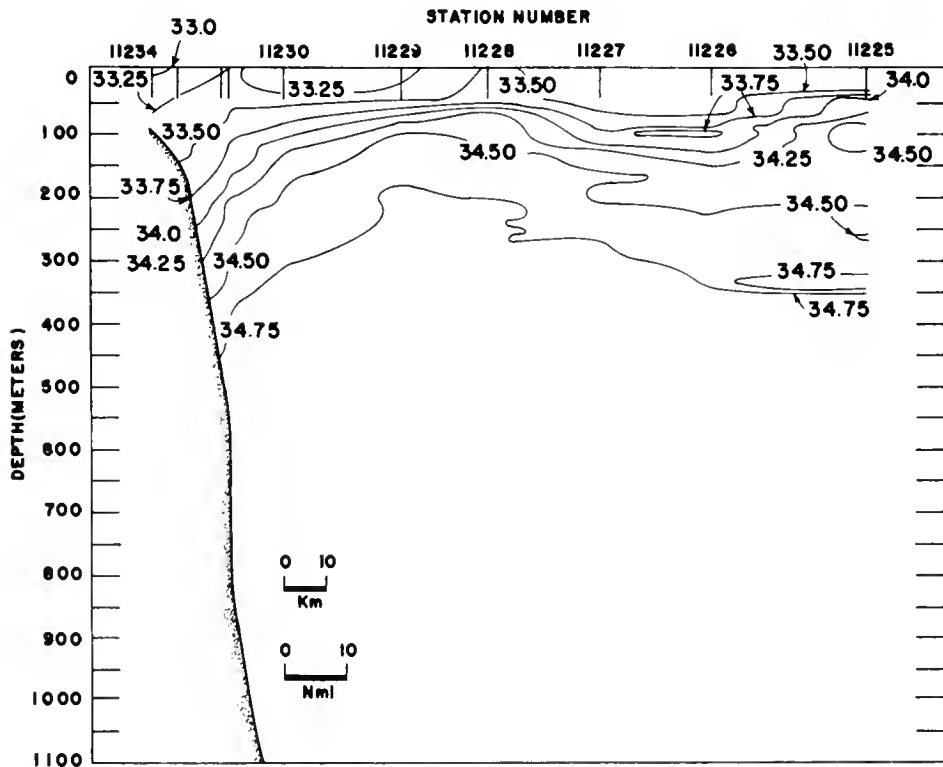


FIGURE 22. Vertical salinity ( $\text{‰}$ ) section A2B, occupied by CGC EVERGREEN, 19-20 April 1973.

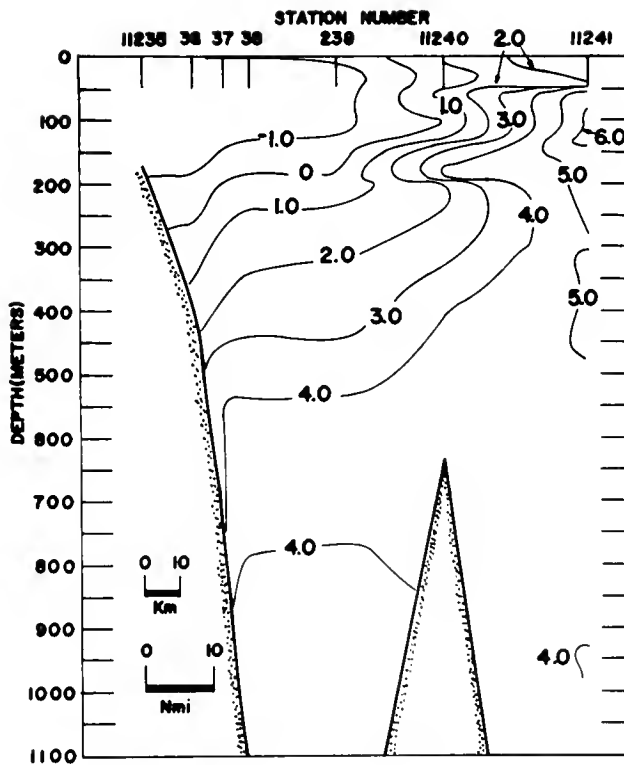


FIGURE 23. Vertical temperature ( $^{\circ}\text{C}$ ) section A2A, occupied by CGC EVERGREEN, 20-21 April 1973.

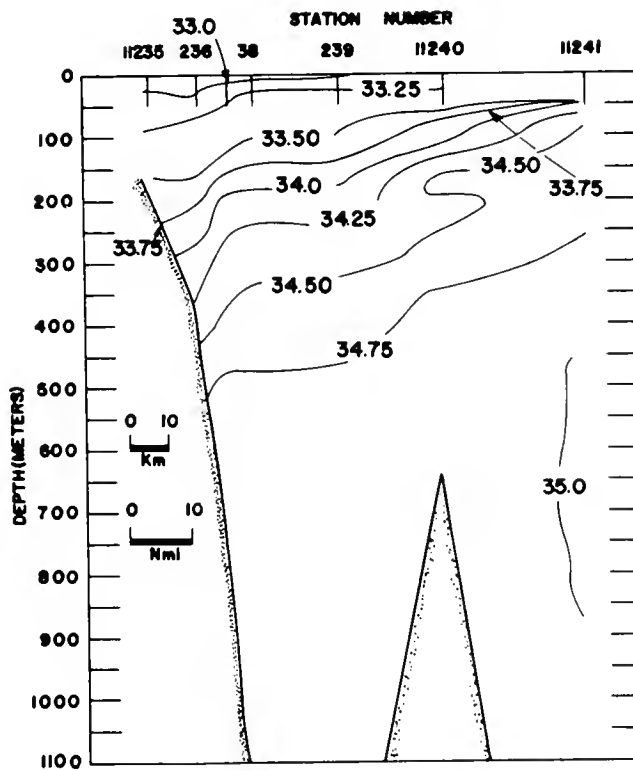


FIGURE 24. Vertical salinity ( $\text{‰}$ ) section A2A, occupied by CGC EVERGREEN, 20-21 April 1973.

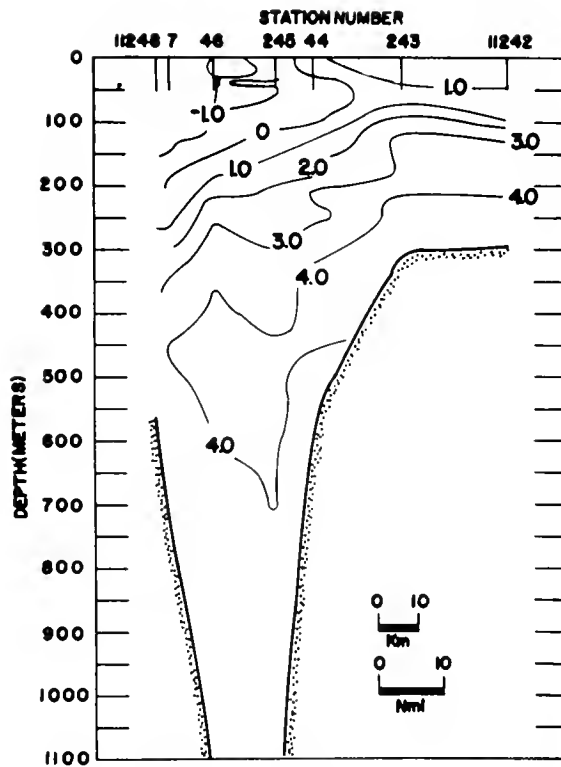


FIGURE 25. Vertical temperature ( $^{\circ}$ C) section A2 MOD, occupied by CGC EVERGREEN, 21 April 1973.

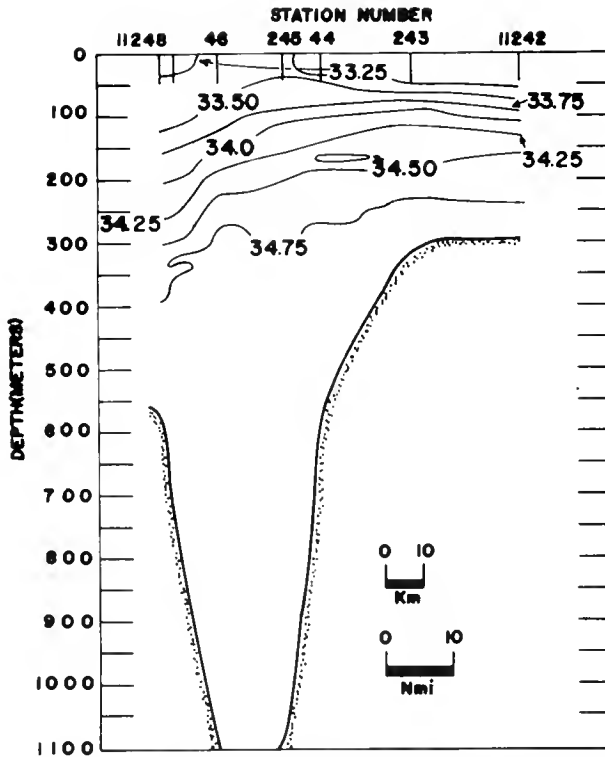


FIGURE 26. Vertical salinity ( $\text{‰}$ ) section A2 MOD, occupied by CGC EVERGREEN, 21 April 1973.

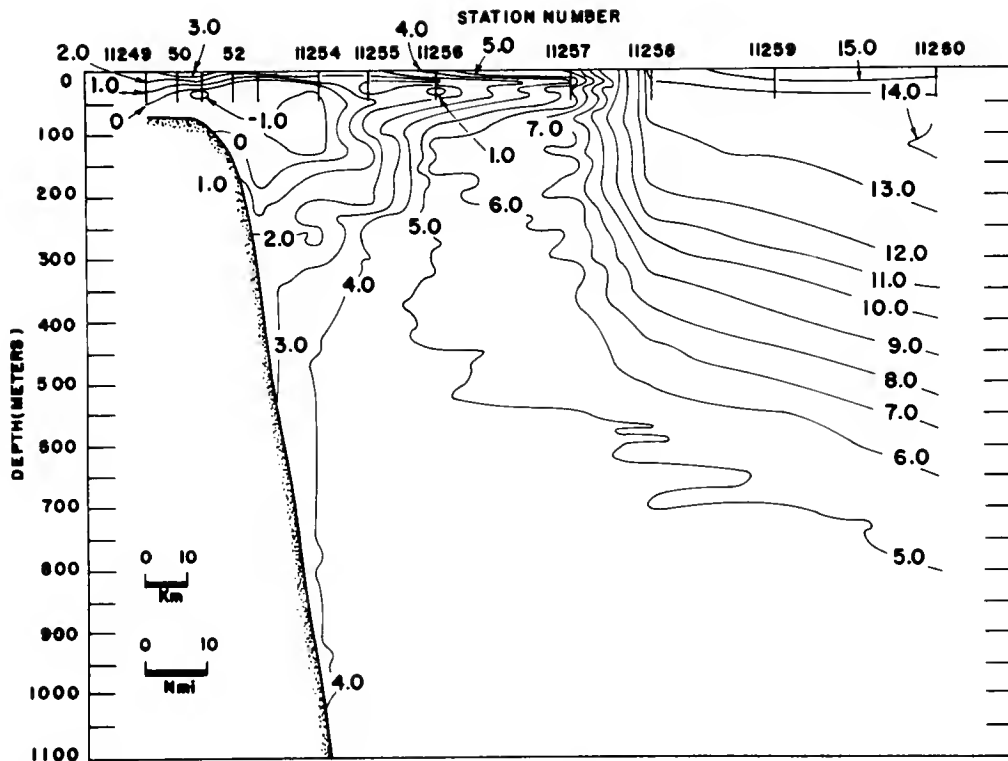


FIGURE 27. Vertical temperature ( $^{\circ}\text{C}$ ) section A4, occupied by CGC EVERGREEN, 12-13 May 1973.

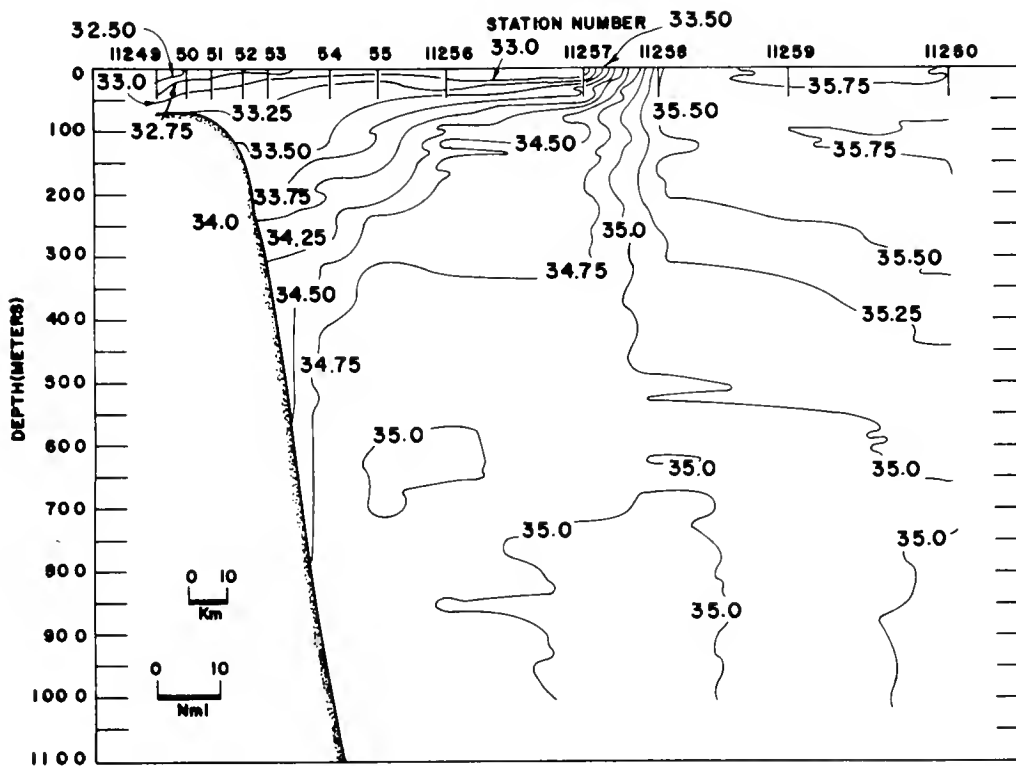


FIGURE 28. Vertical salinity ( $\text{‰}$ ) section A4, occupied by CGC EVERGREEN, 12-13 May 1973.

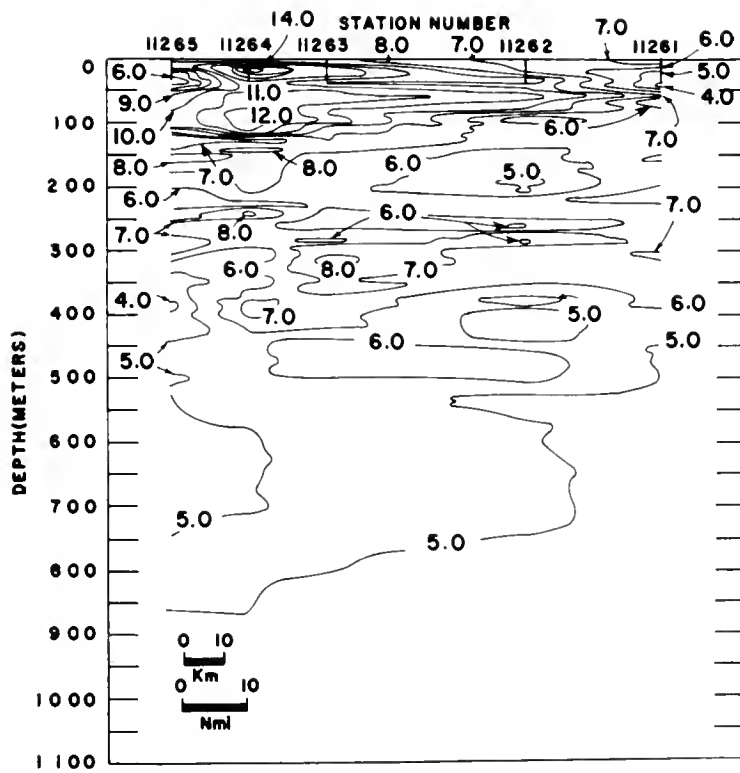


FIGURE 29. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 13-14 May 1973.

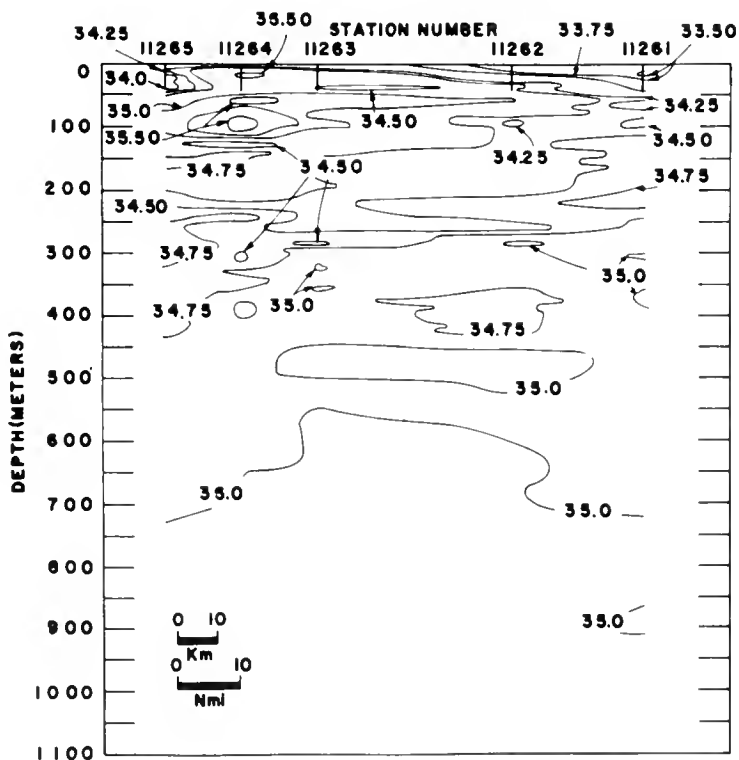


FIGURE 30. Vertical salinity ( $^{\circ}/_{\text{oo}}$ ) section A3, occupied by CGC EVERGREEN, 13-14 May 1973.

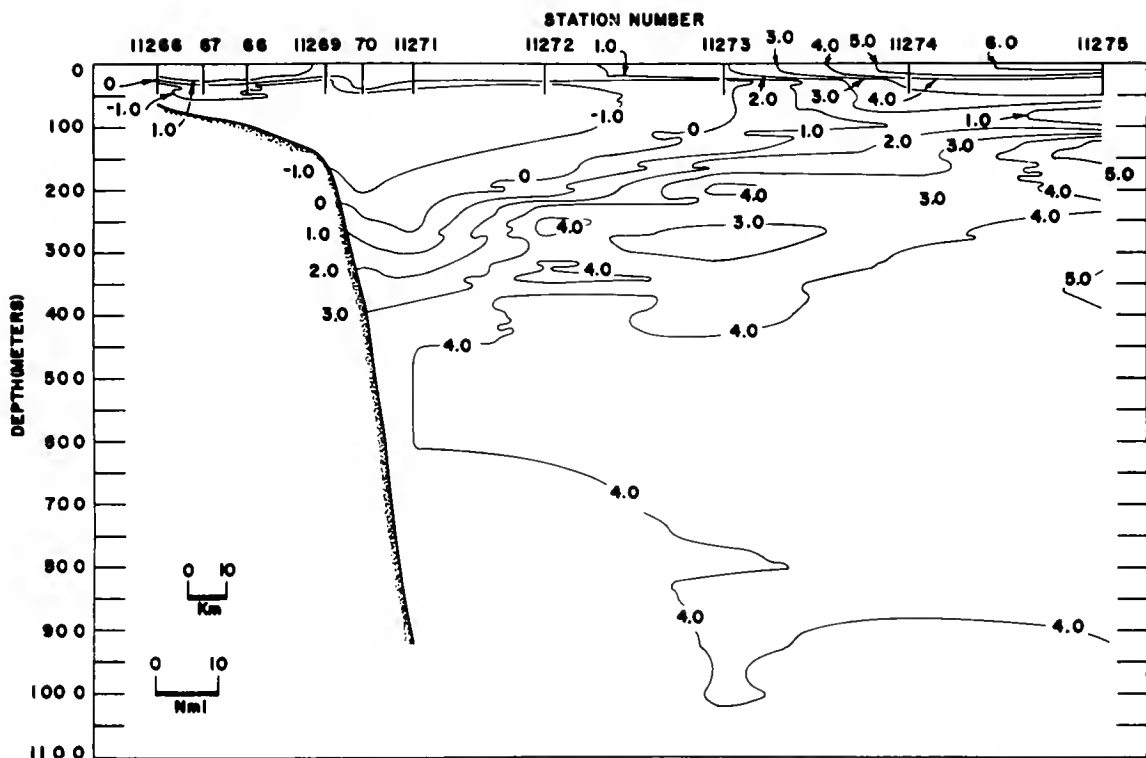


FIGURE 31. Vertical temperature ( $^{\circ}\text{C}$ ) section A2B, occupied by CGC EVERGREEN, 18-19 May 1973.

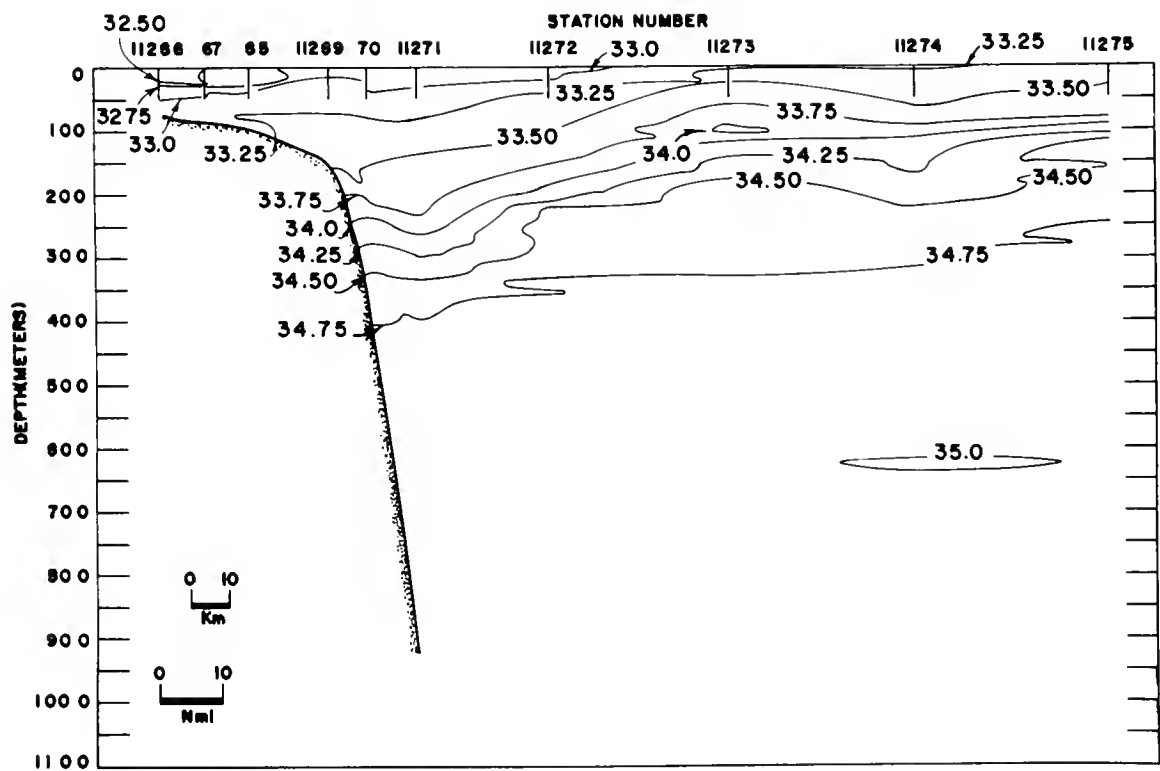


FIGURE 32. Vertical salinity ( $\text{‰}$ ) section A2B, occupied by CGC EVERGREEN, 18-19 May 1973.

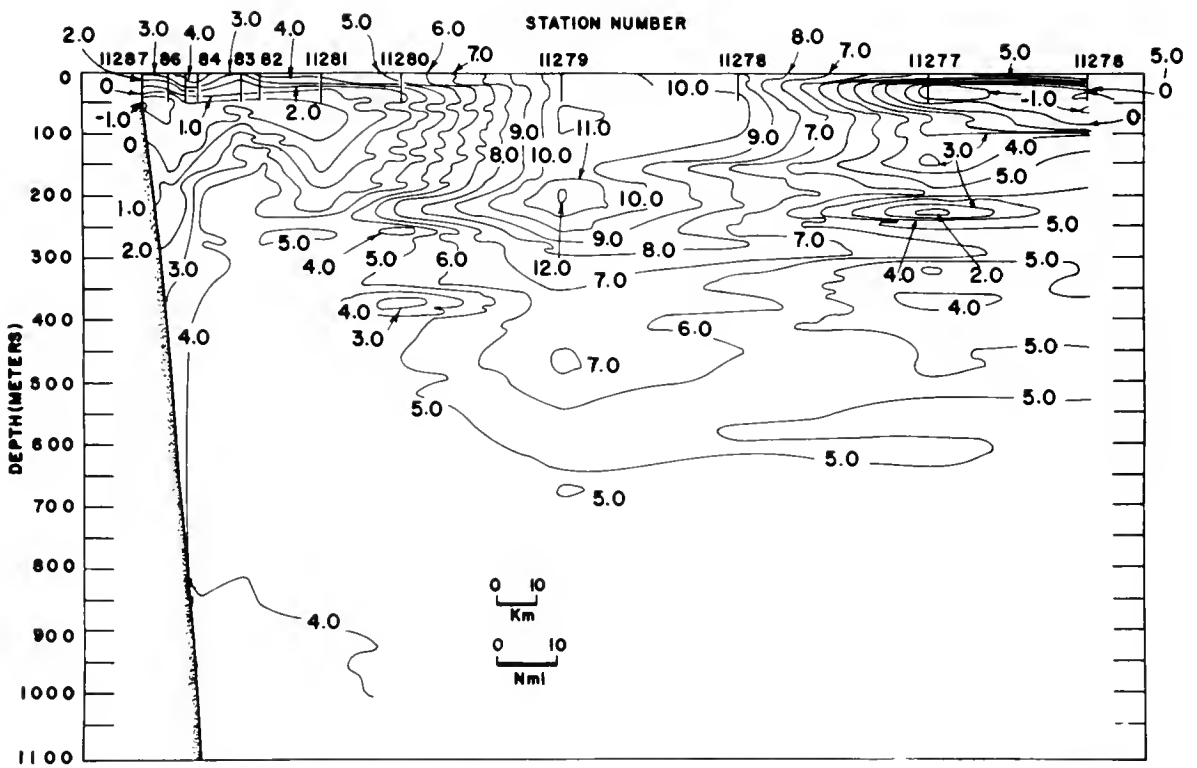


FIGURE 33. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 19-21 May 1973.

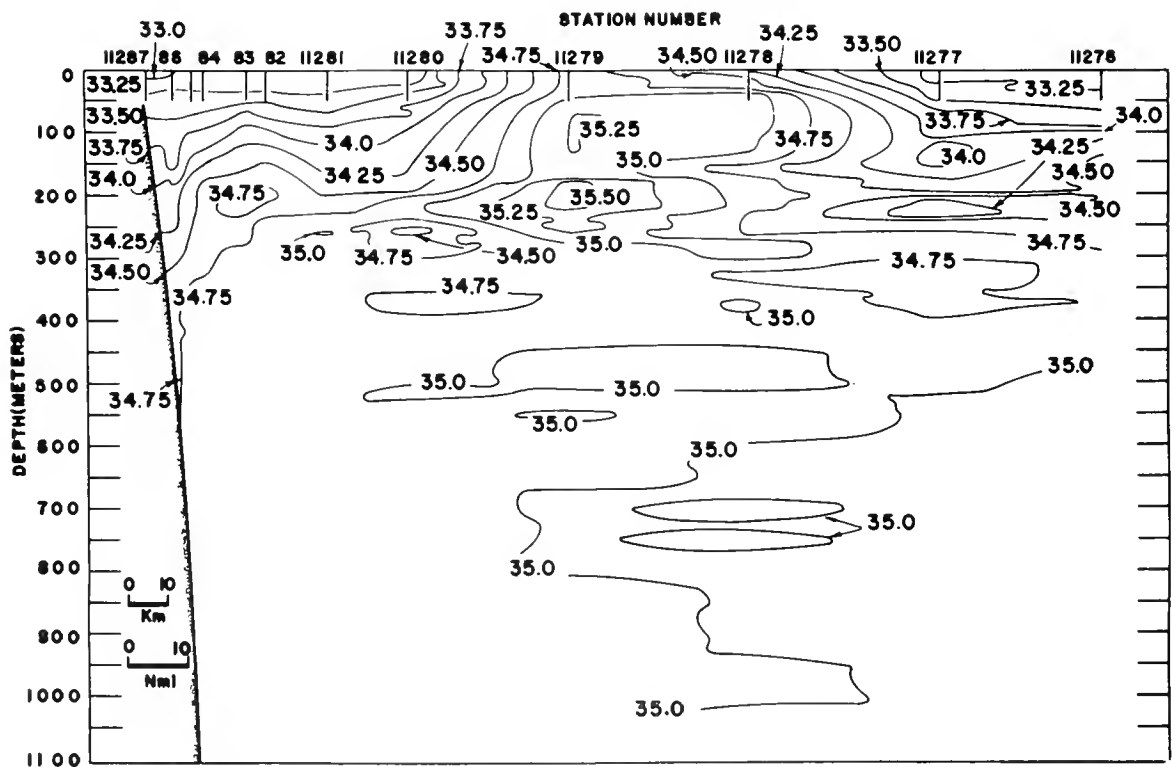


FIGURE 34. Vertical salinity ( $\text{‰}$ ) section A3, occupied by CGC EVERGREEN, 19-21 May 1973.



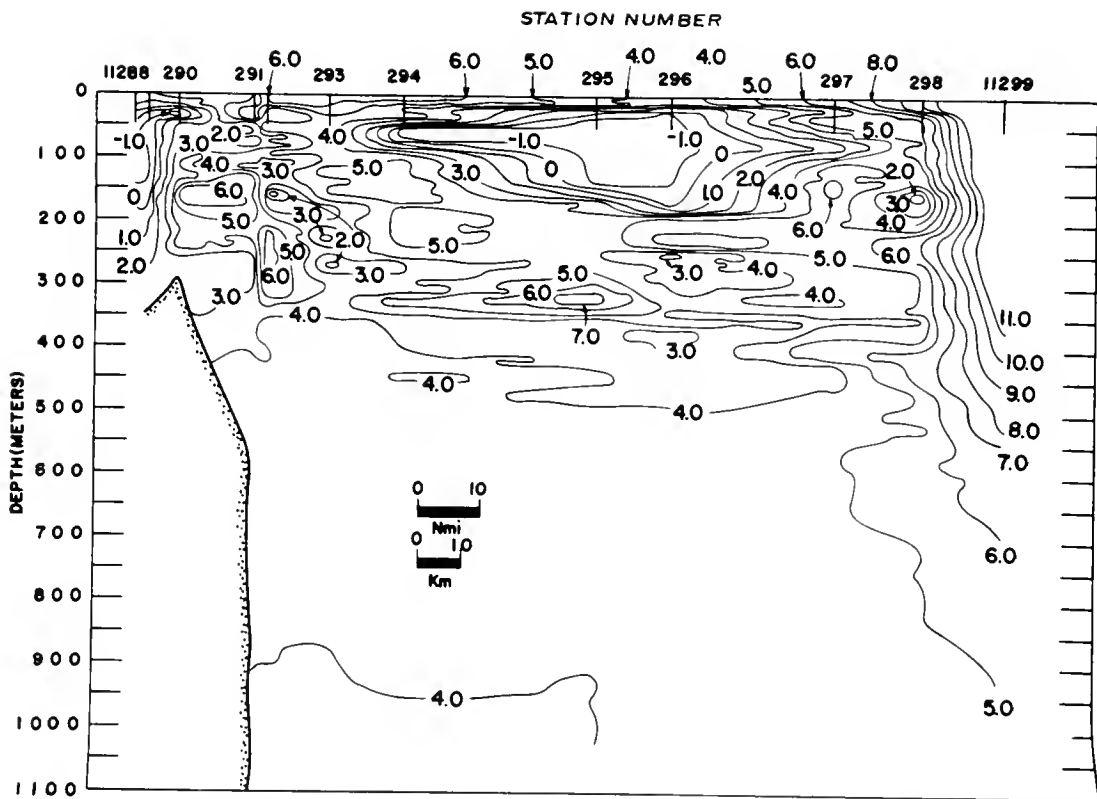


FIGURE 35. Vertical temperature ( $^{\circ}\text{C}$ ) section A3A, occupied by CGC EVERGREEN, 21-22 May 1973.

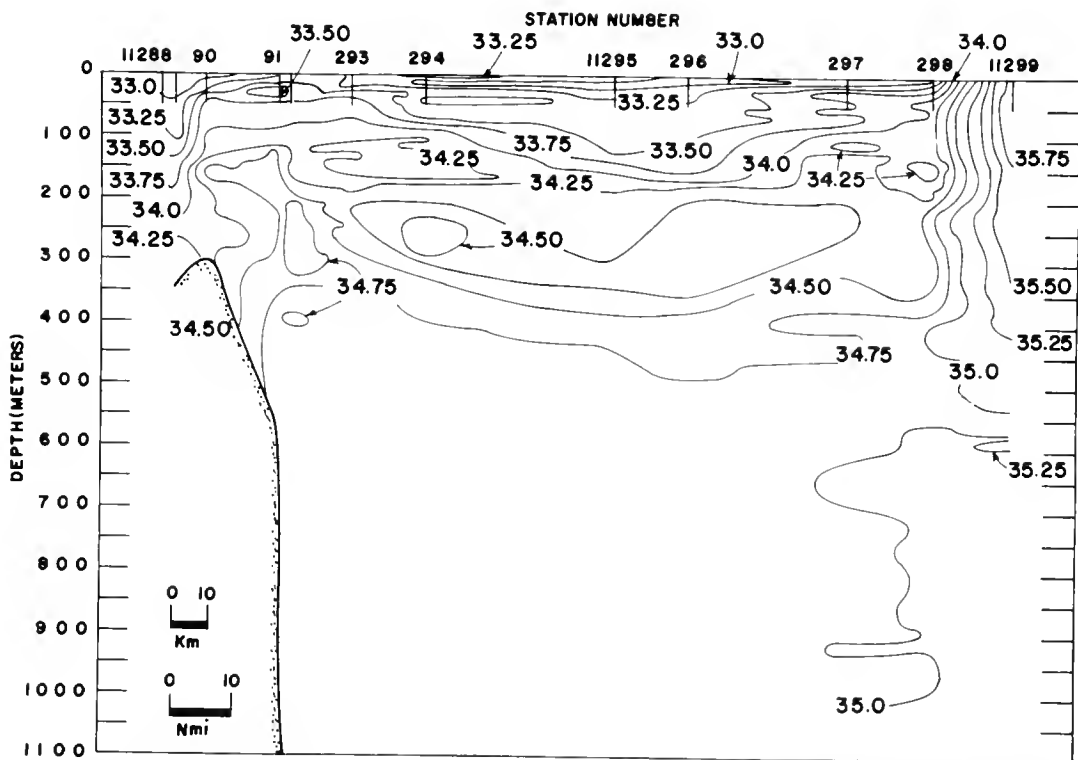


FIGURE 36. Vertical salinity ( $\text{‰}$ ) section A3A, occupied by CGC EVERGREEN, 21-22 May 1973.

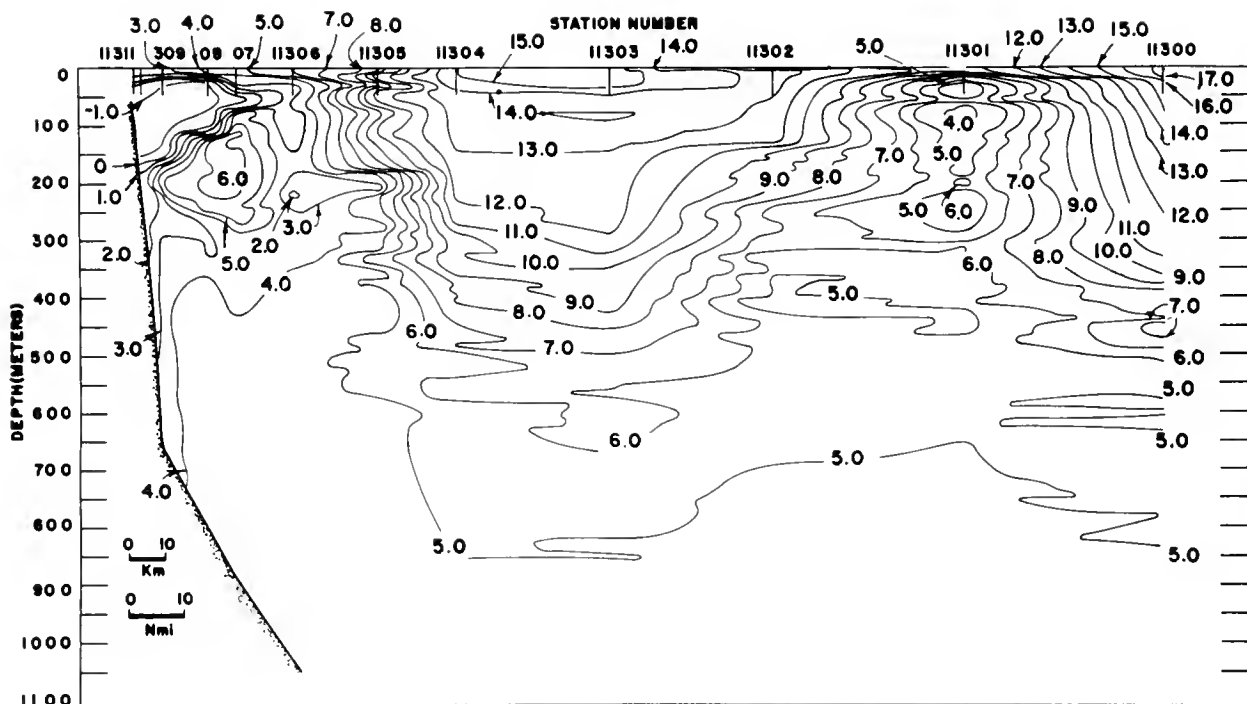


FIGURE 37. Vertical temperature ( $^{\circ}\text{C}$ ) section A3B MOD, occupied by CGC EVERGREEN, 22-23 May 1973.

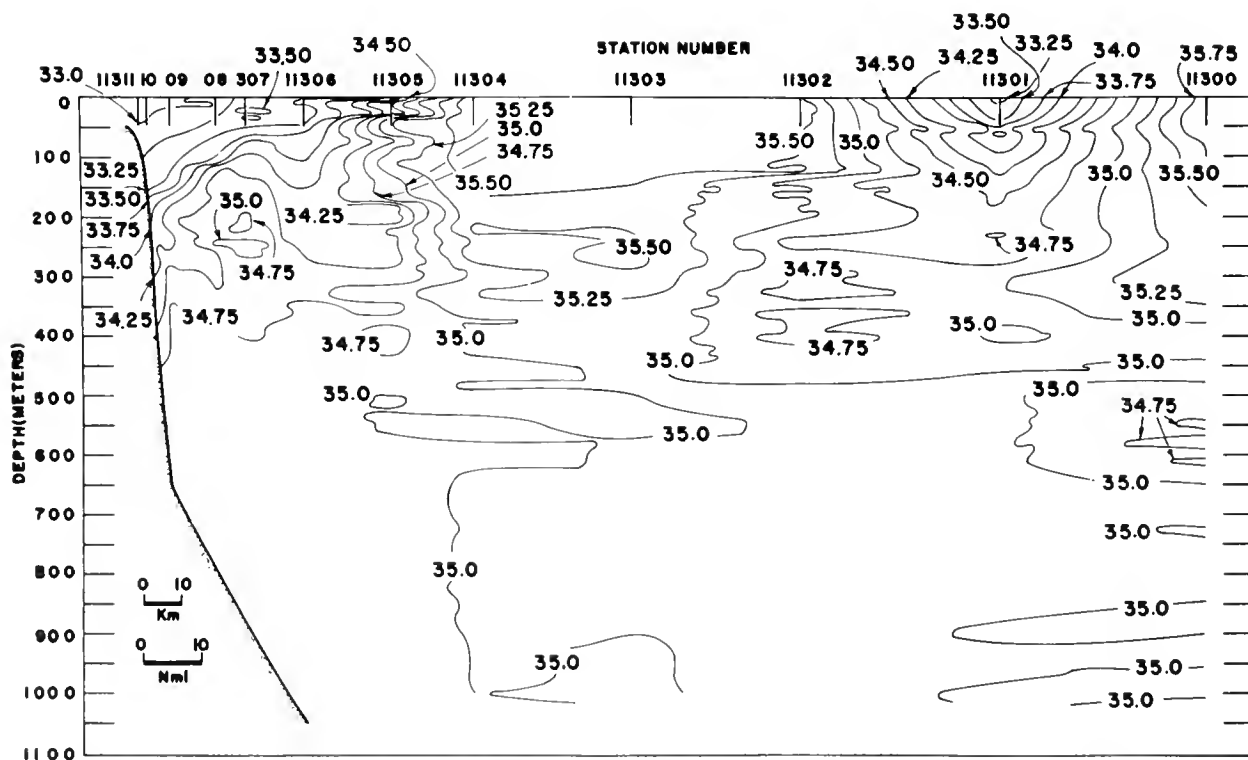


FIGURE 38. Vertical salinity ( $\text{‰}$ ) section A3B MOD, occupied by CGC EVERGREEN, 22-23 May 1973.

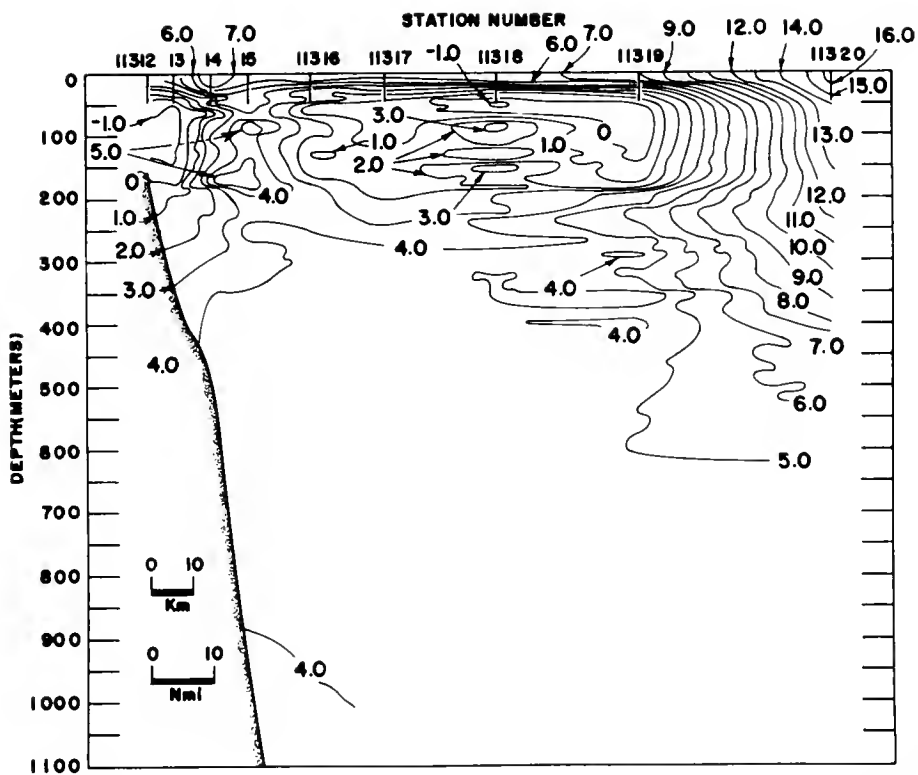


FIGURE 39. Vertical temperature ( $^{\circ}\text{C}$ ) section A3C, occupied by CGC EVERGREEN, 23-24 May 1973.

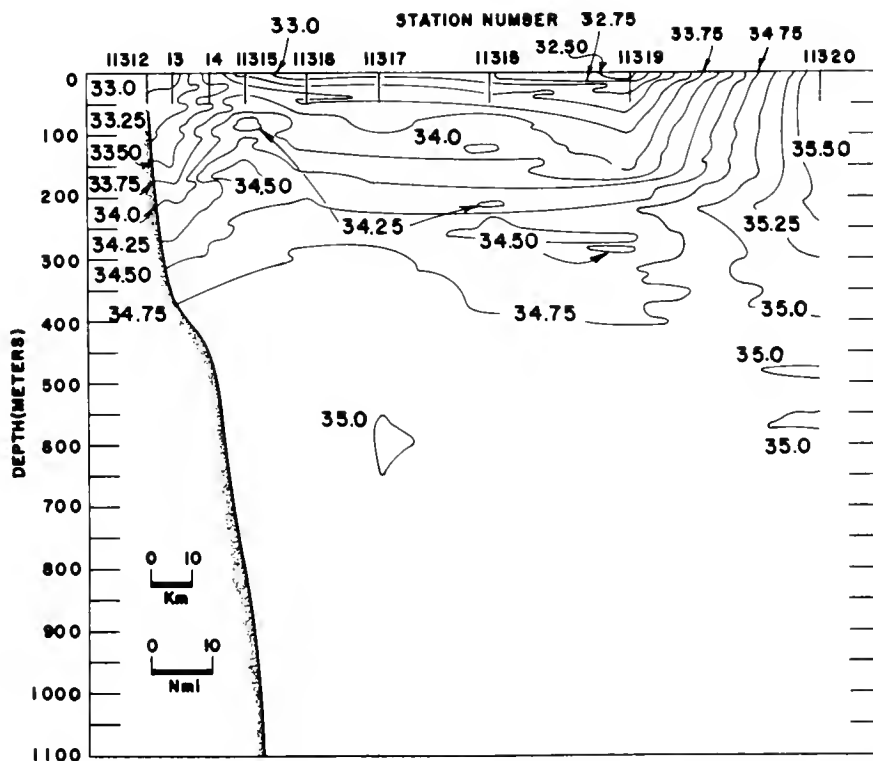


FIGURE 40. Vertical salinity ( $\text{‰}$ ) section A3C, occupied by CGC EVERGREEN, 23-24 May 1973.

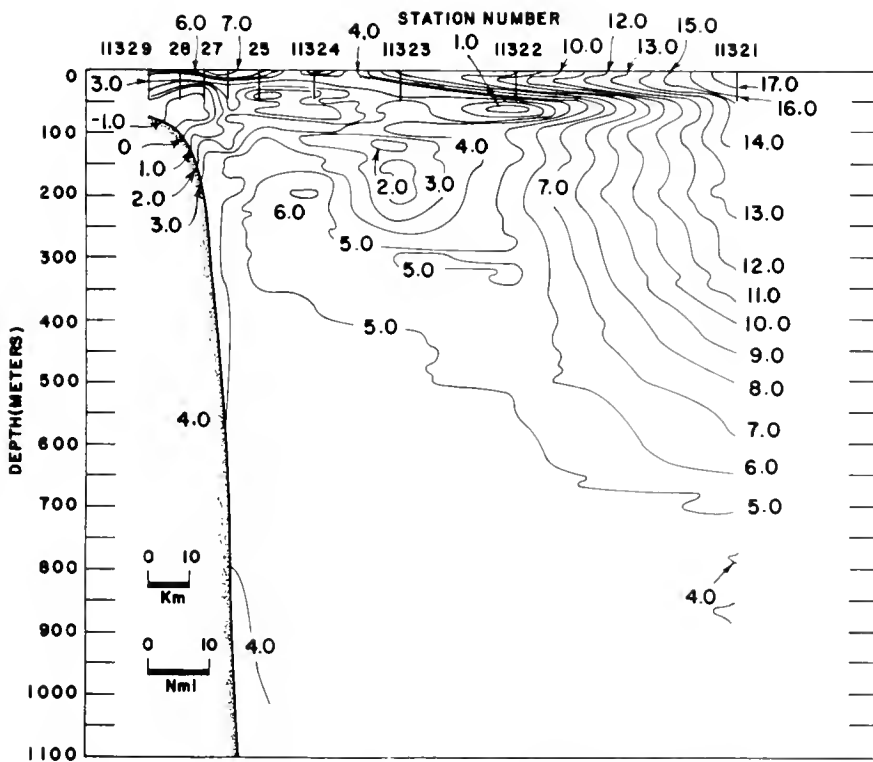


FIGURE 41. Vertical temperature ( $^{\circ}\text{C}$ ) section A4, occupied by CGC EVERGREEN, 24-25 May 1973.

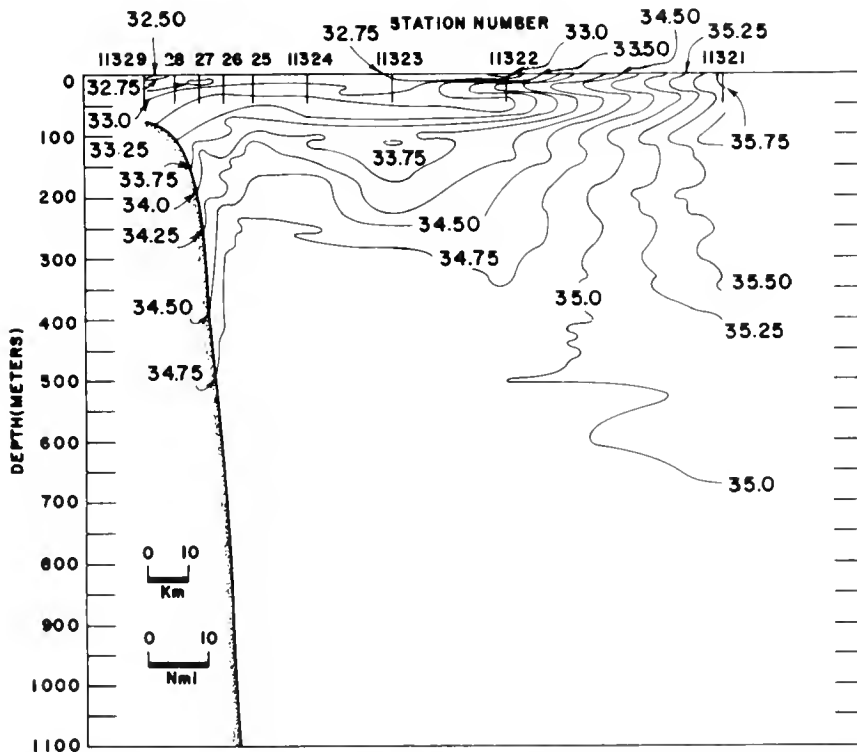


FIGURE 42. Vertical salinity ( $\text{‰}$ ) section A4, occupied by CGC EVERGREEN, 24-25 May 1973.

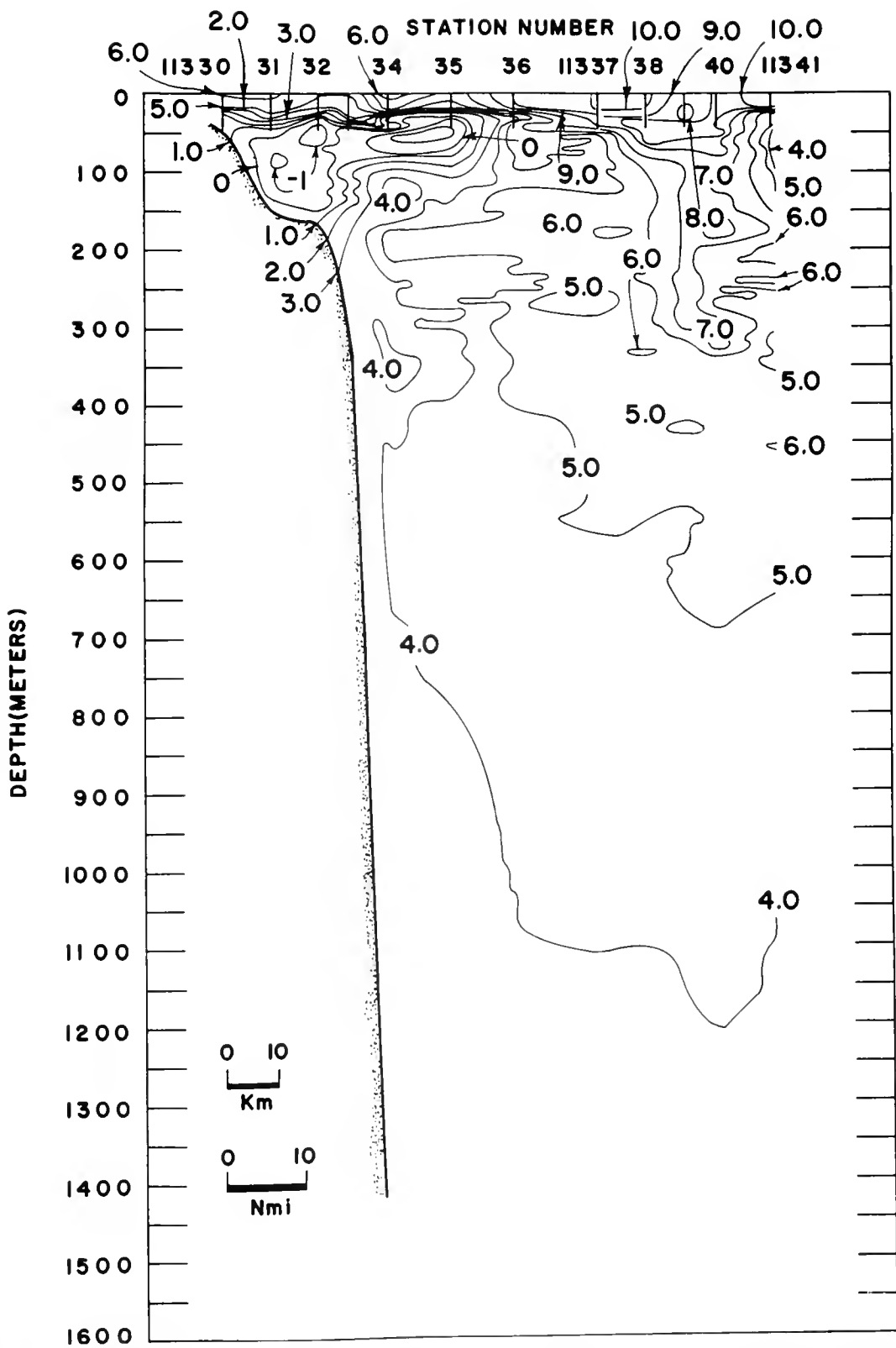


FIGURE 43. Vertical temperature ( $^{\circ}\text{C}$ ) section 1, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 17-18 June 1973.

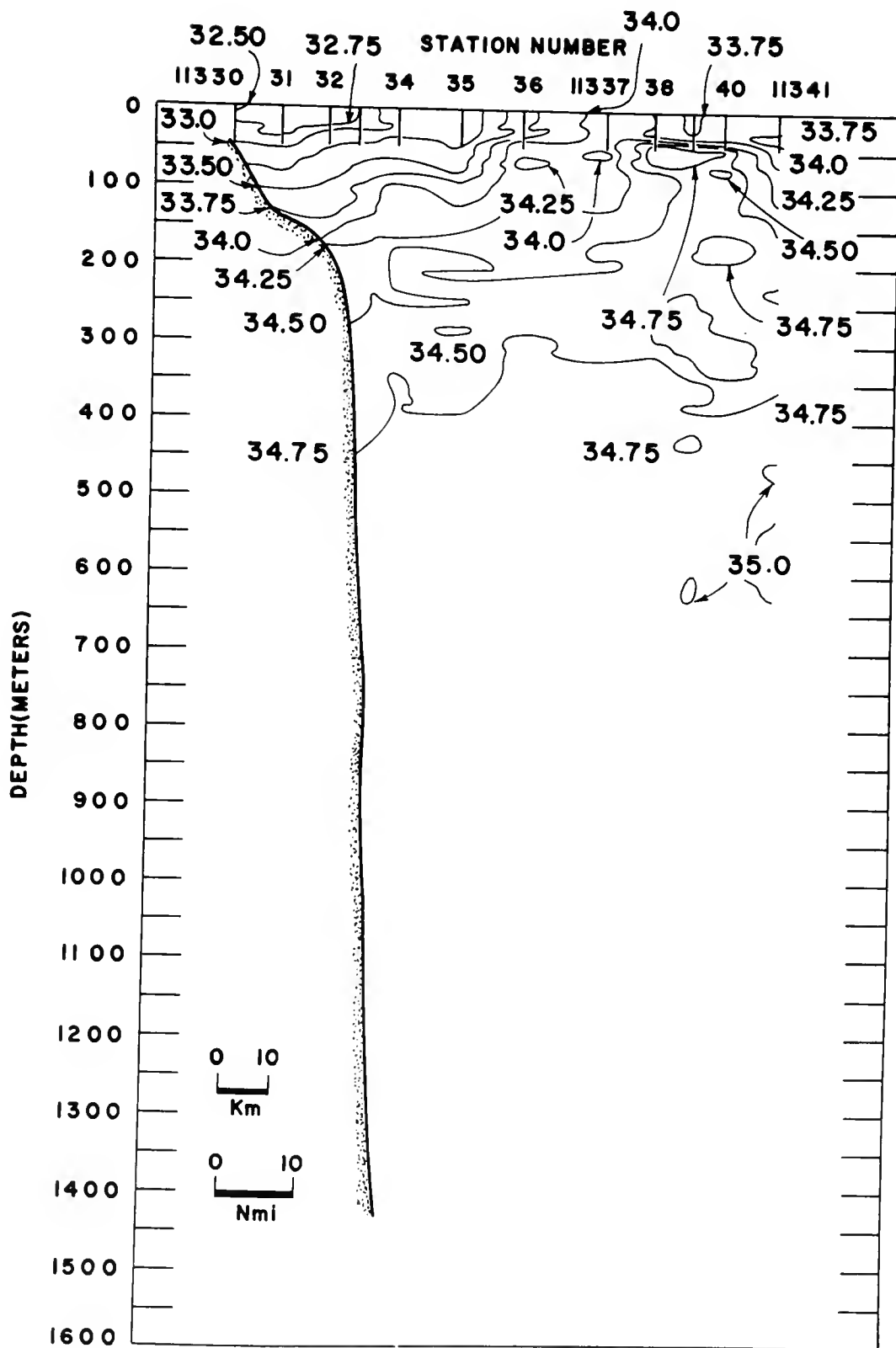


FIGURE 44. Vertical salinity ( $\text{‰}$ ) section 1, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 17-18 June 1973.

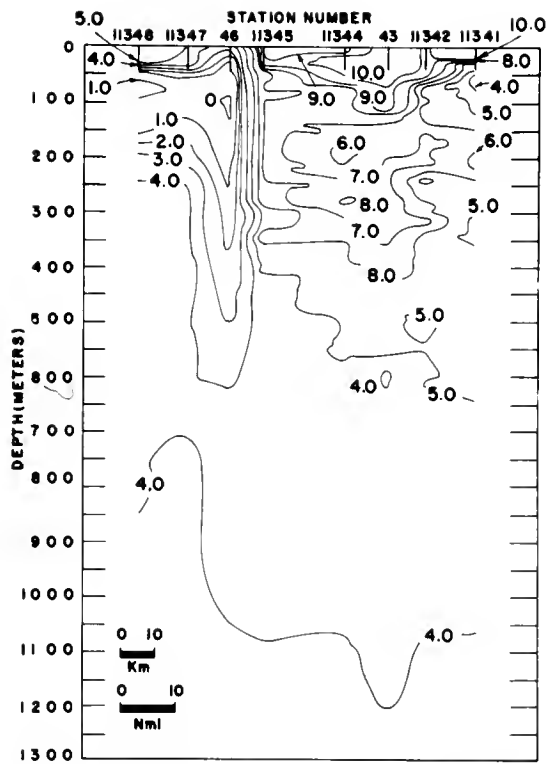


FIGURE 45. Vertical temperature ( $^{\circ}\text{C}$ ) section 2, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 18-19 June 1973.

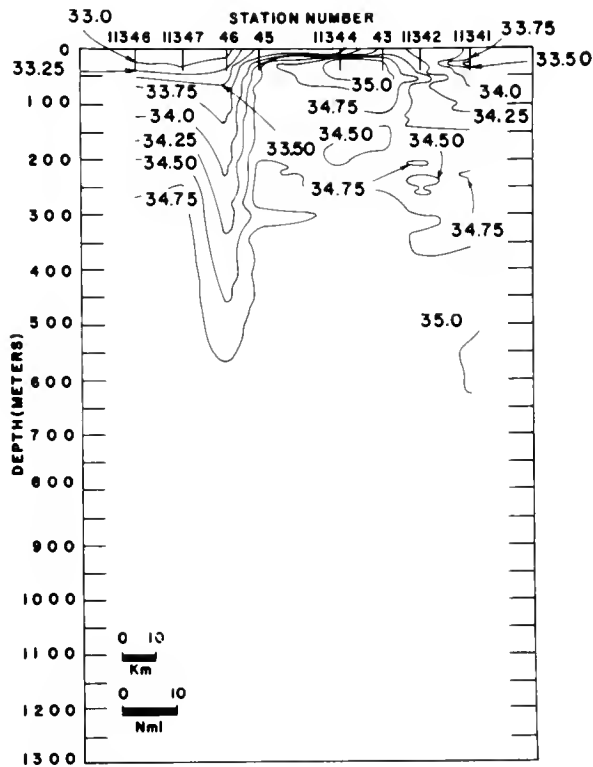


FIGURE 46. Vertical salinity ( $\text{‰}$ ) section 2, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 18-19 June 1973.

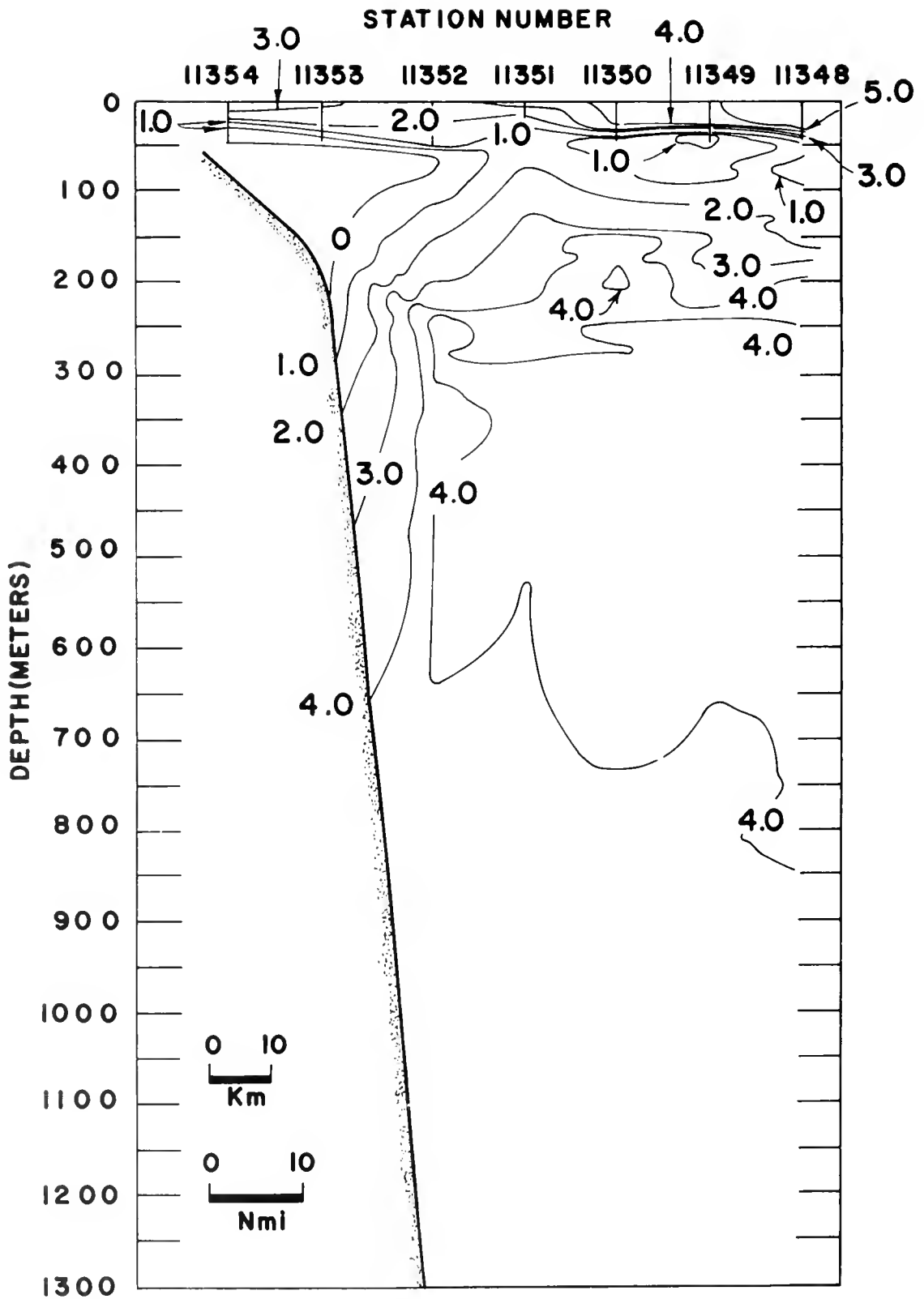


FIGURE 47. Vertical temperature ( $^{\circ}\text{C}$ ) section 3, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 19-20 June 1973.



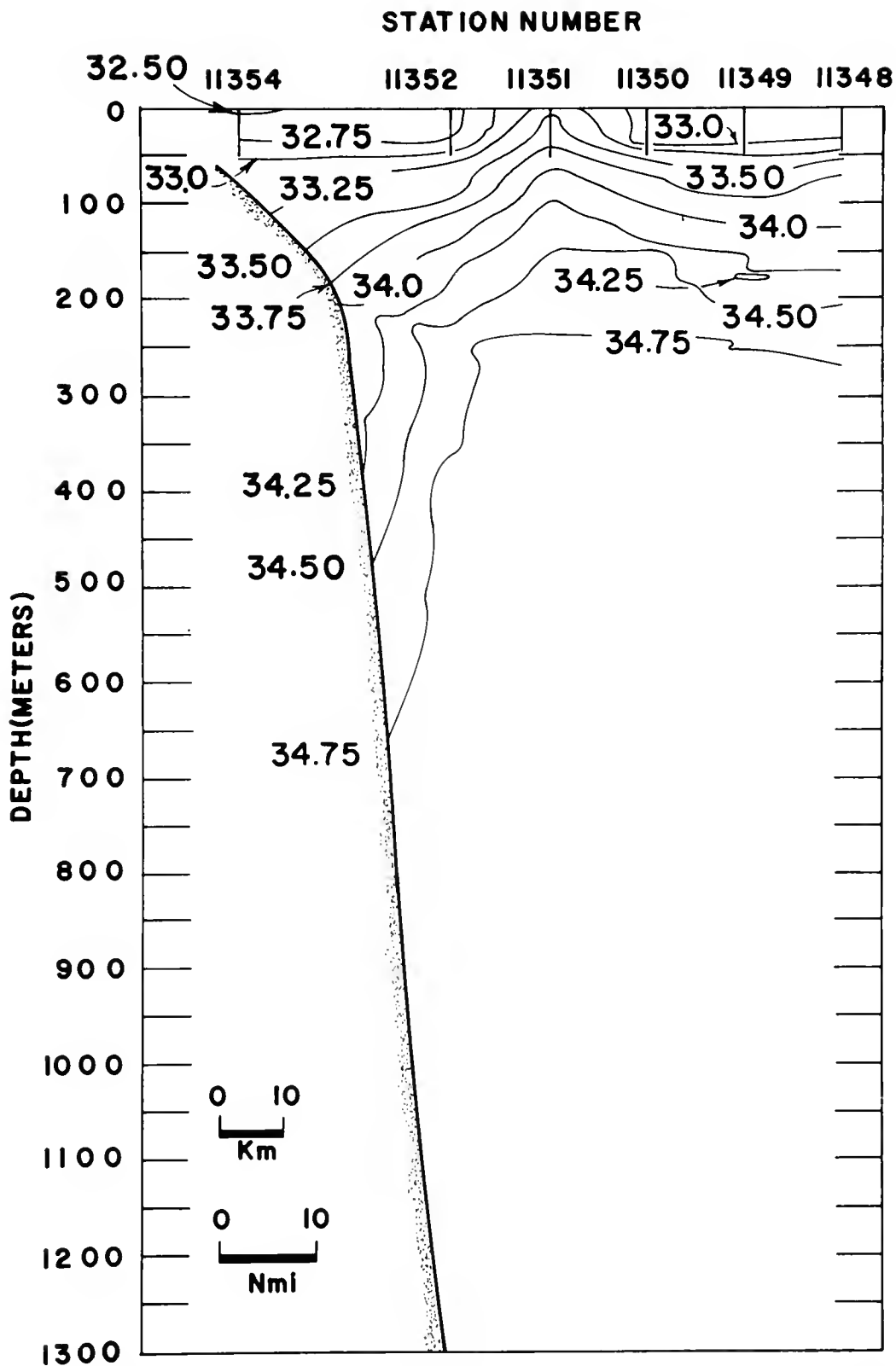


FIGURE 48. Vertical salinity (‰) section 3, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 19-20 June 1973.

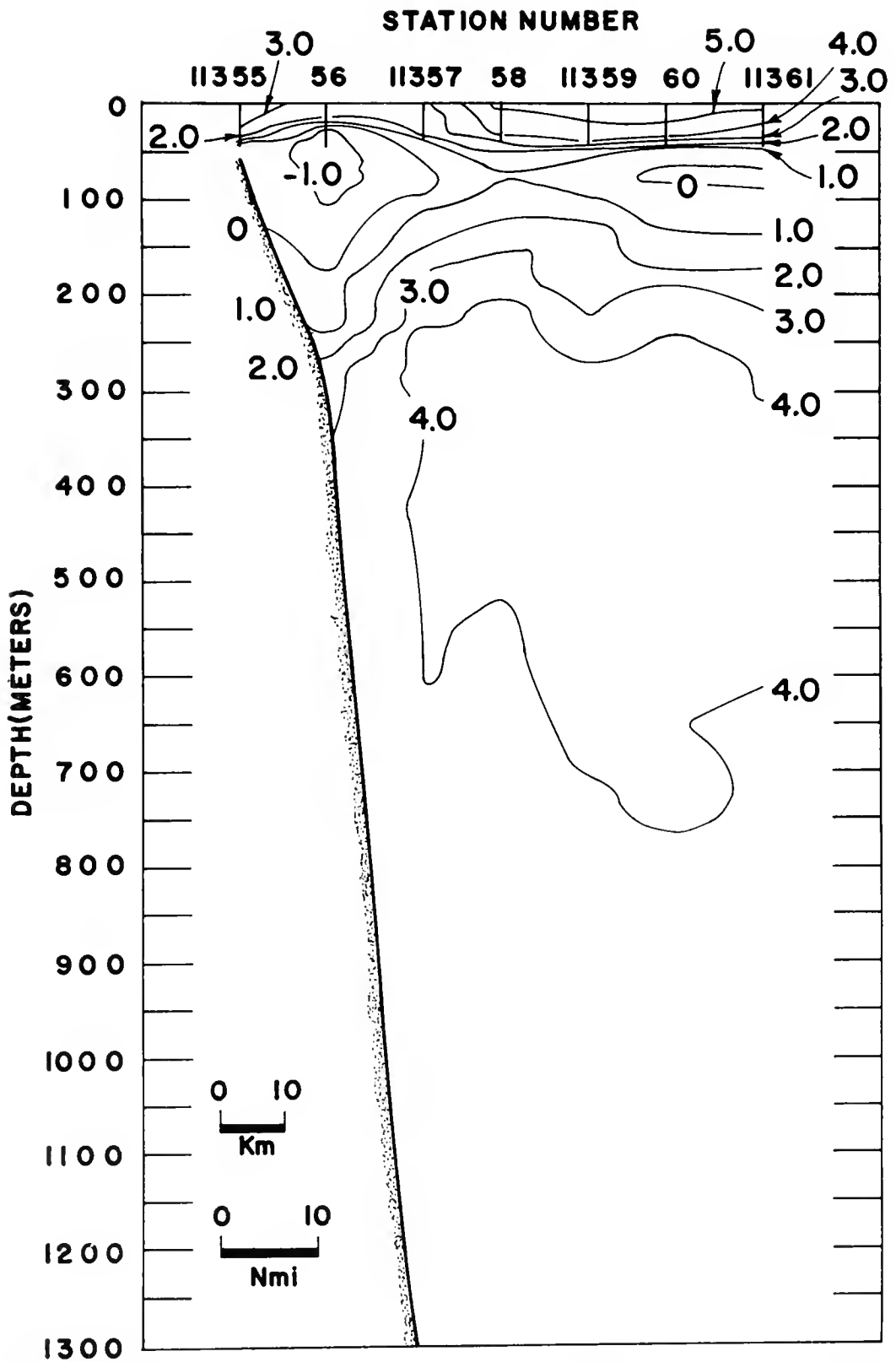


FIGURE 49. Vertical temperature ( $^{\circ}\text{C}$ ) section 4, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 20-21 June 1973.

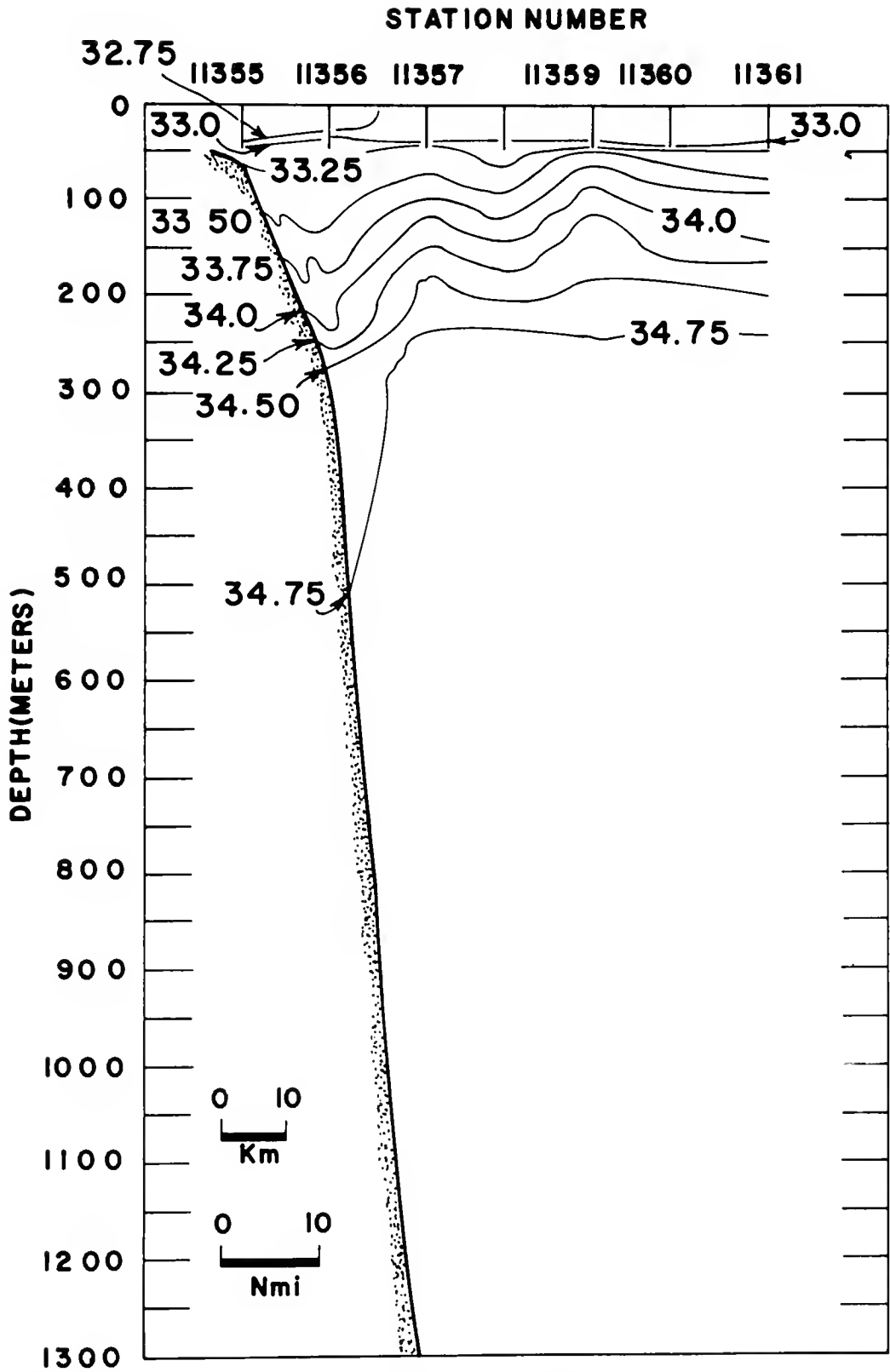


FIGURE 50. Vertical salinity ( $\text{‰}$ ) section 4, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 20-21 June 1973.

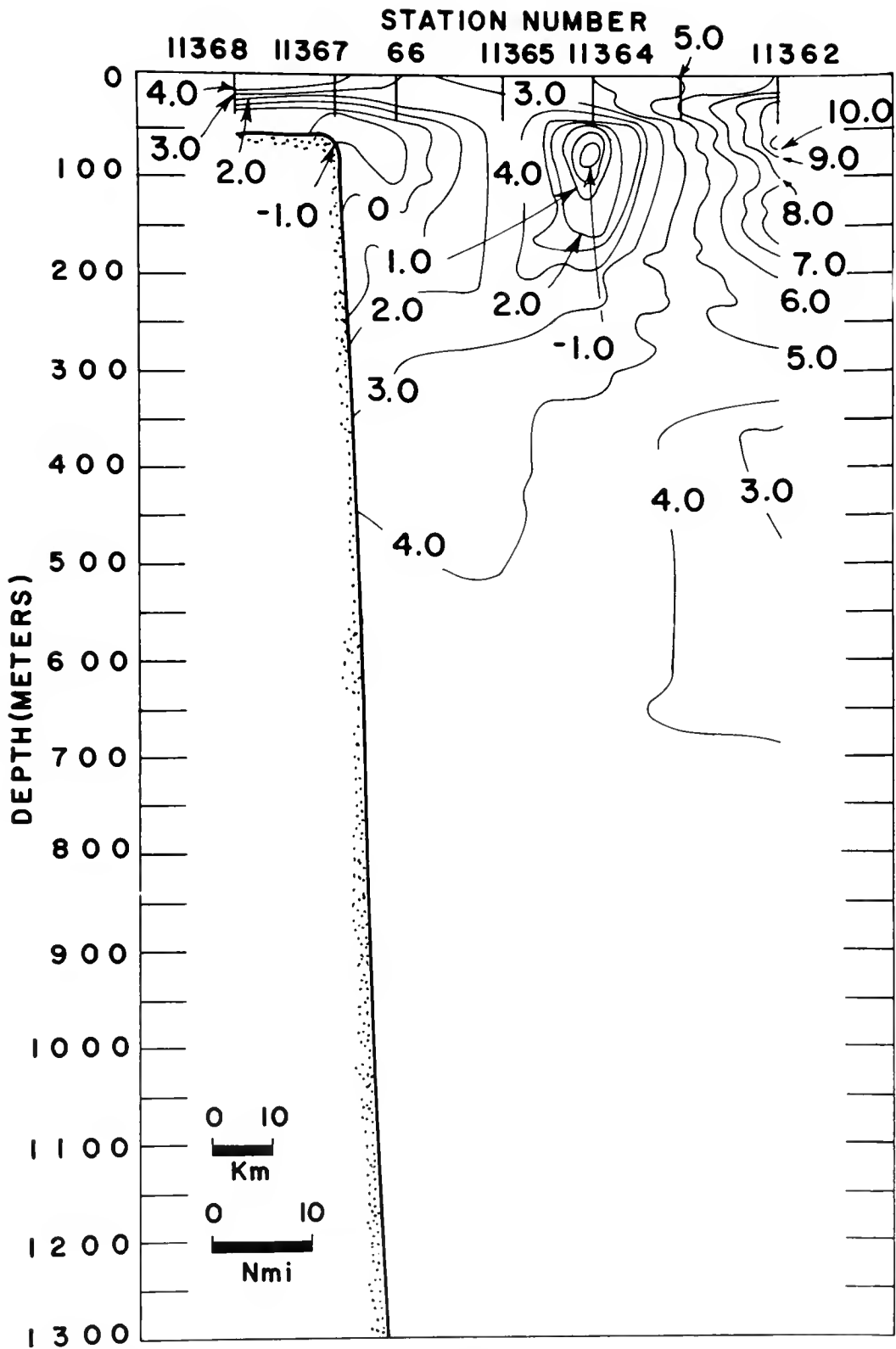


FIGURE 51. Vertical temperature ( $^{\circ}$ C) section 5, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 21 June 1973.

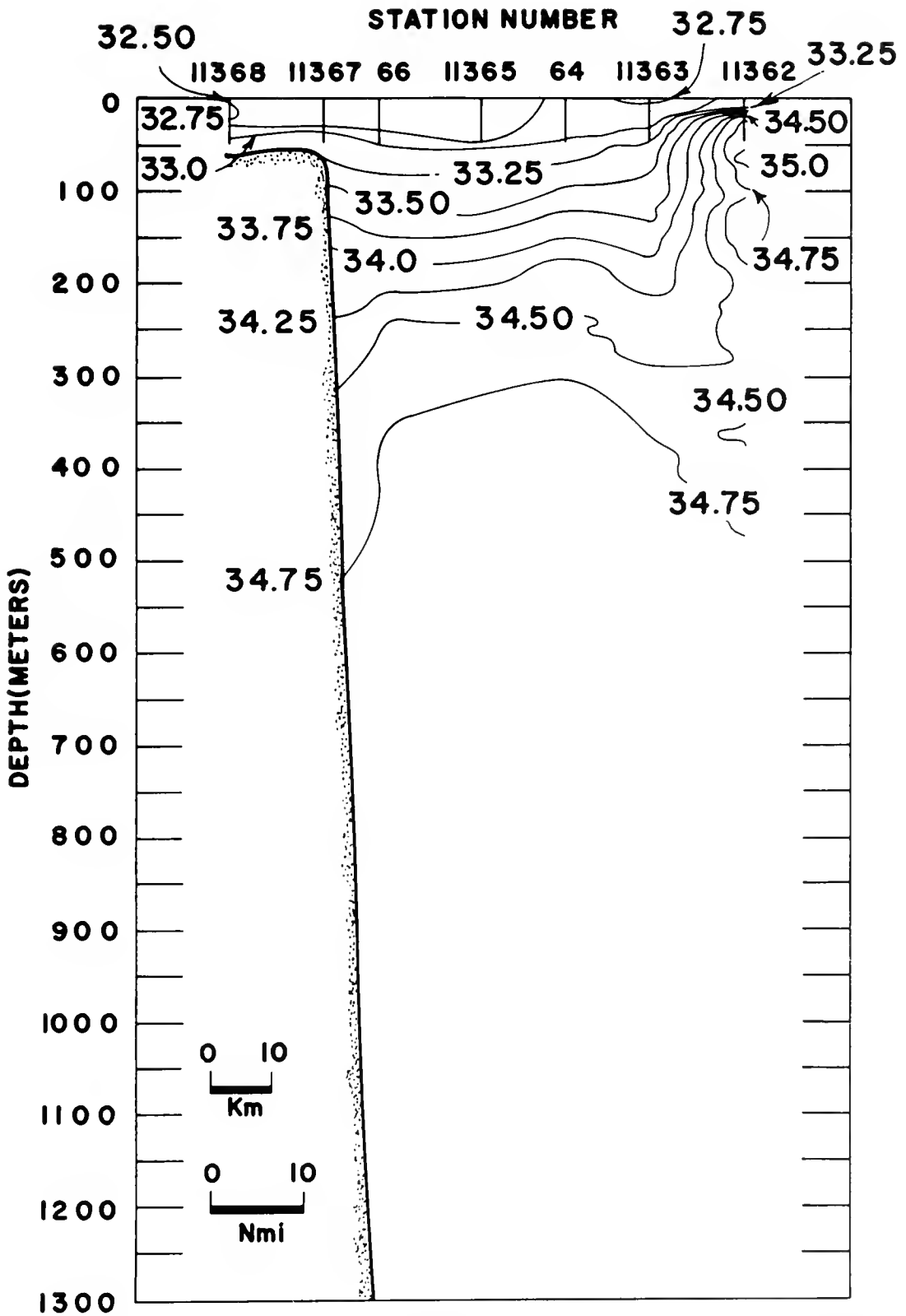


FIGURE 52. Vertical salinity ( $\text{‰}$ ) section 5, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 21 June 1973.

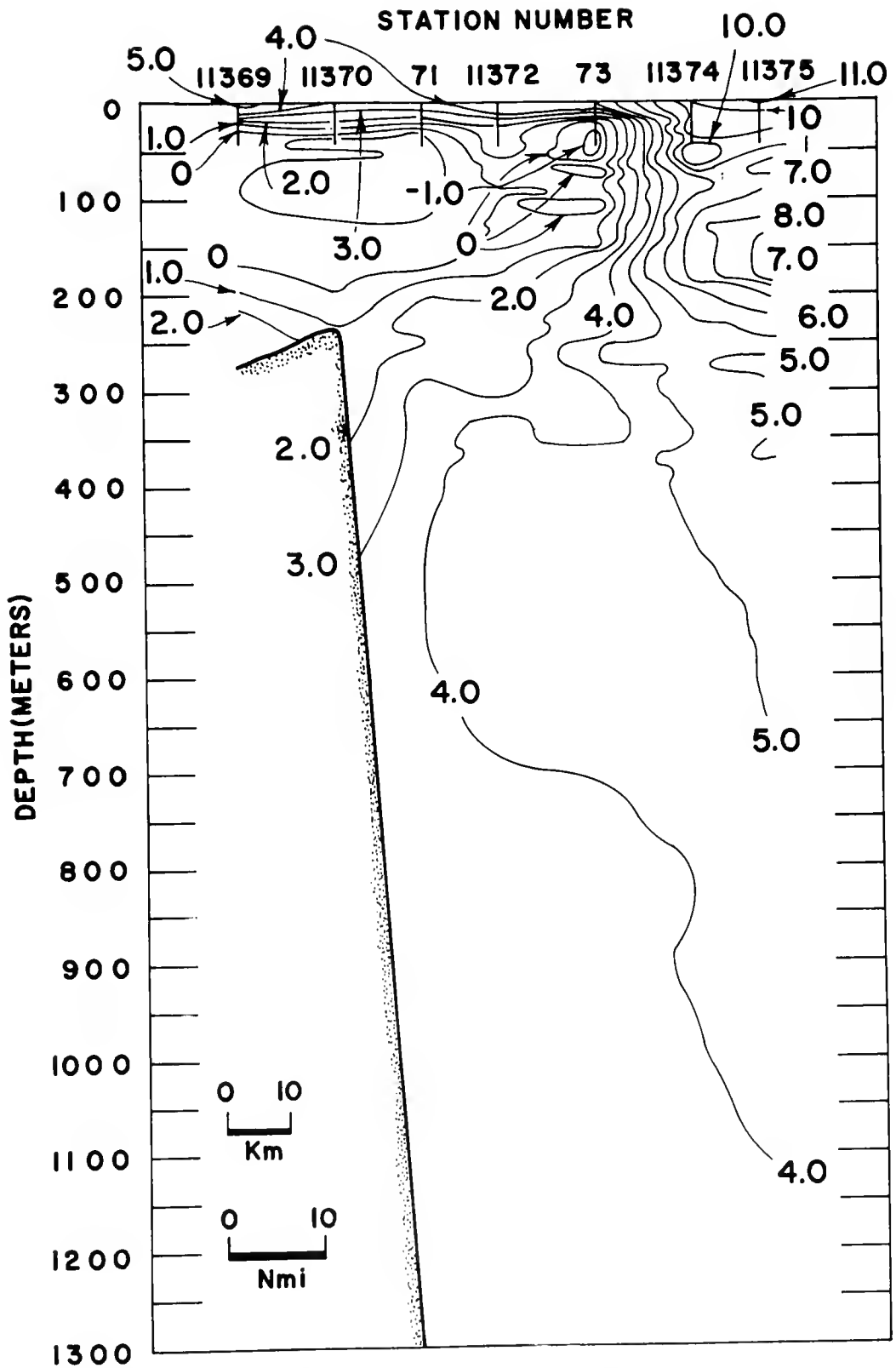


FIGURE 53. Vertical temperature ( $^{\circ}\text{C}$ ) section 6, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 21-22 June 1973.

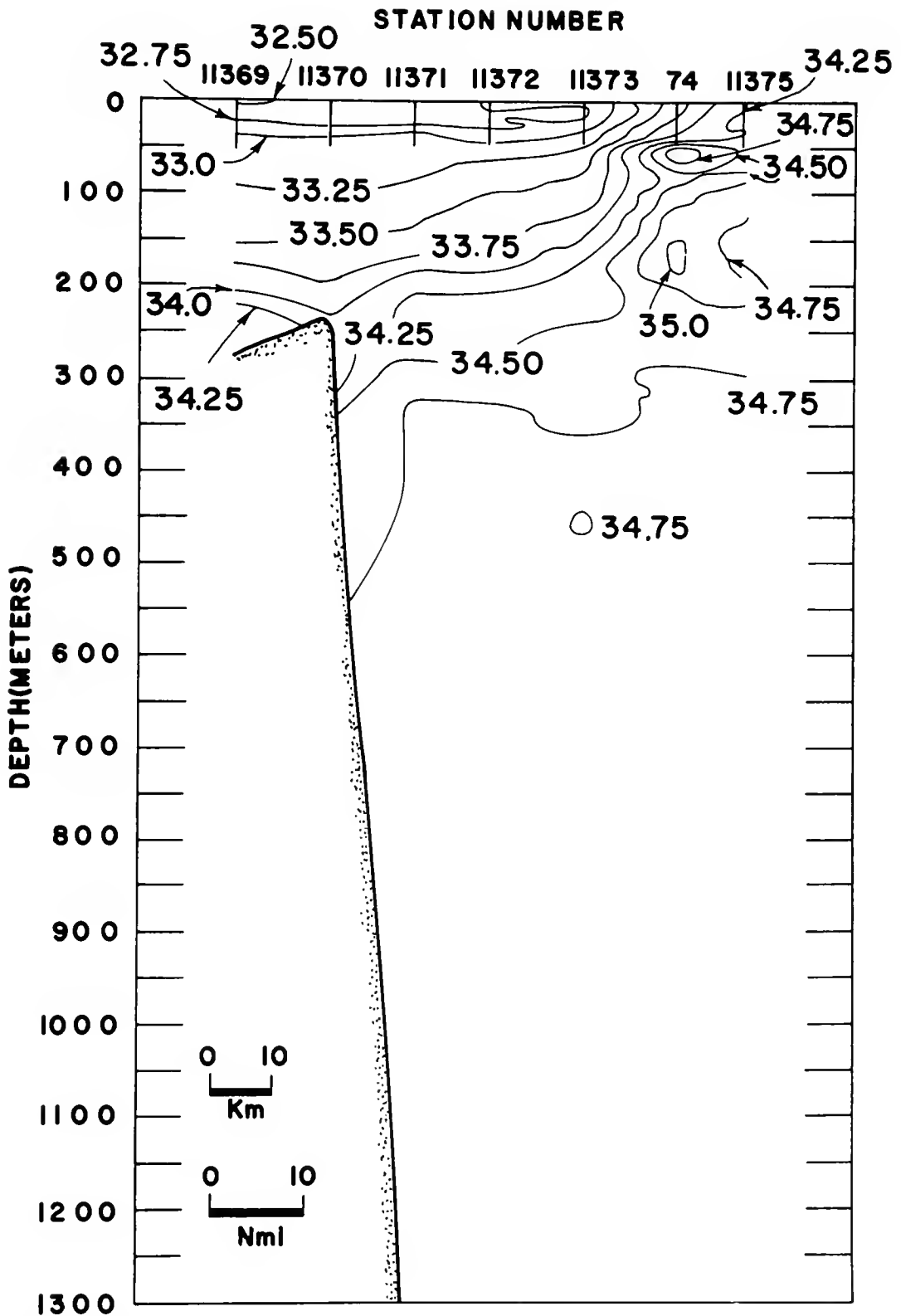


FIGURE 54. Vertical salinity ( $\text{‰}$ ) section 6, Intensive Dynamic Survey I, occupied by CGC EVERGREEN, 21-22 June 1973.

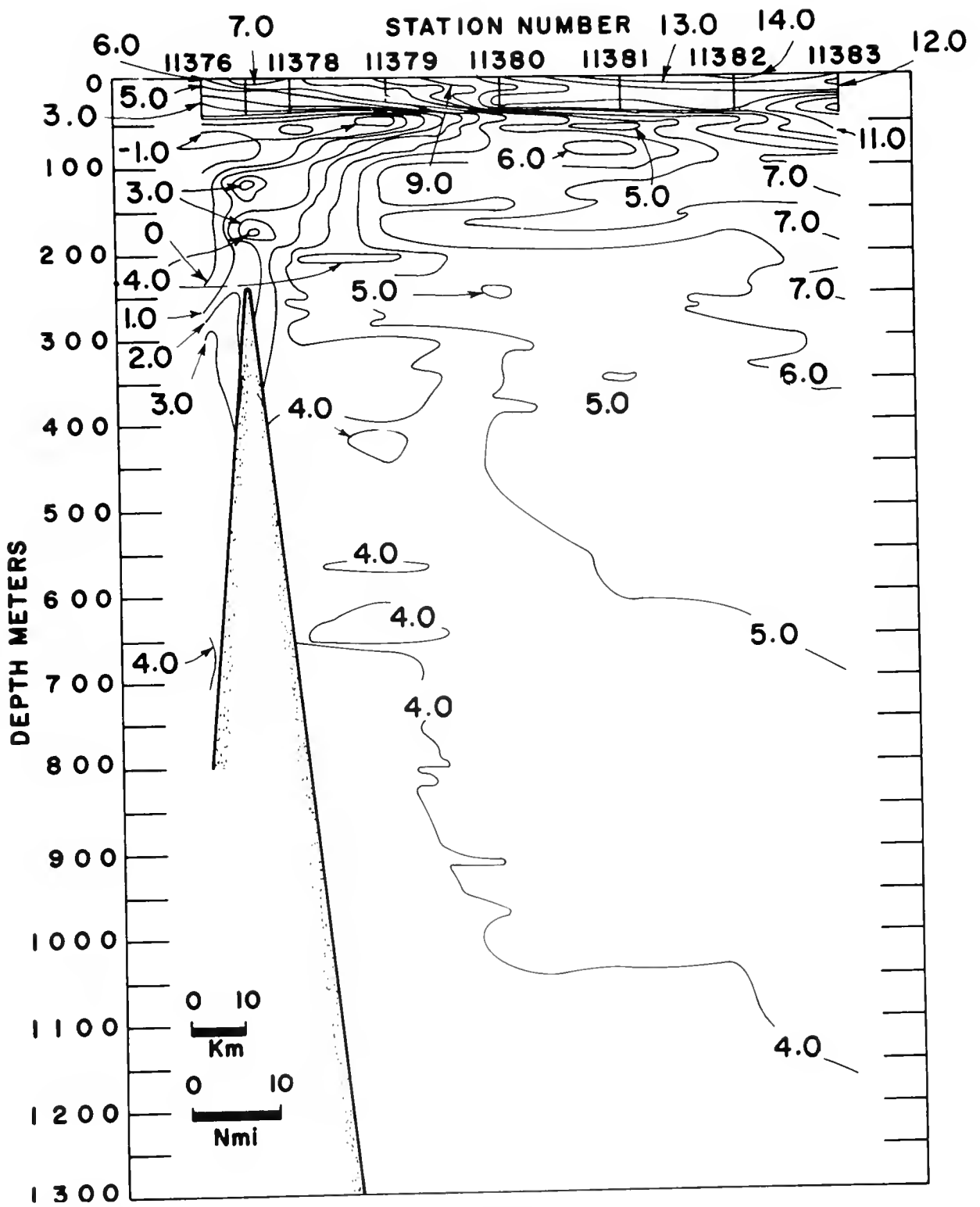


FIGURE 55. Vertical temperature ( $^{\circ}\text{C}$ ) section 1, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 26-27 June 1973.



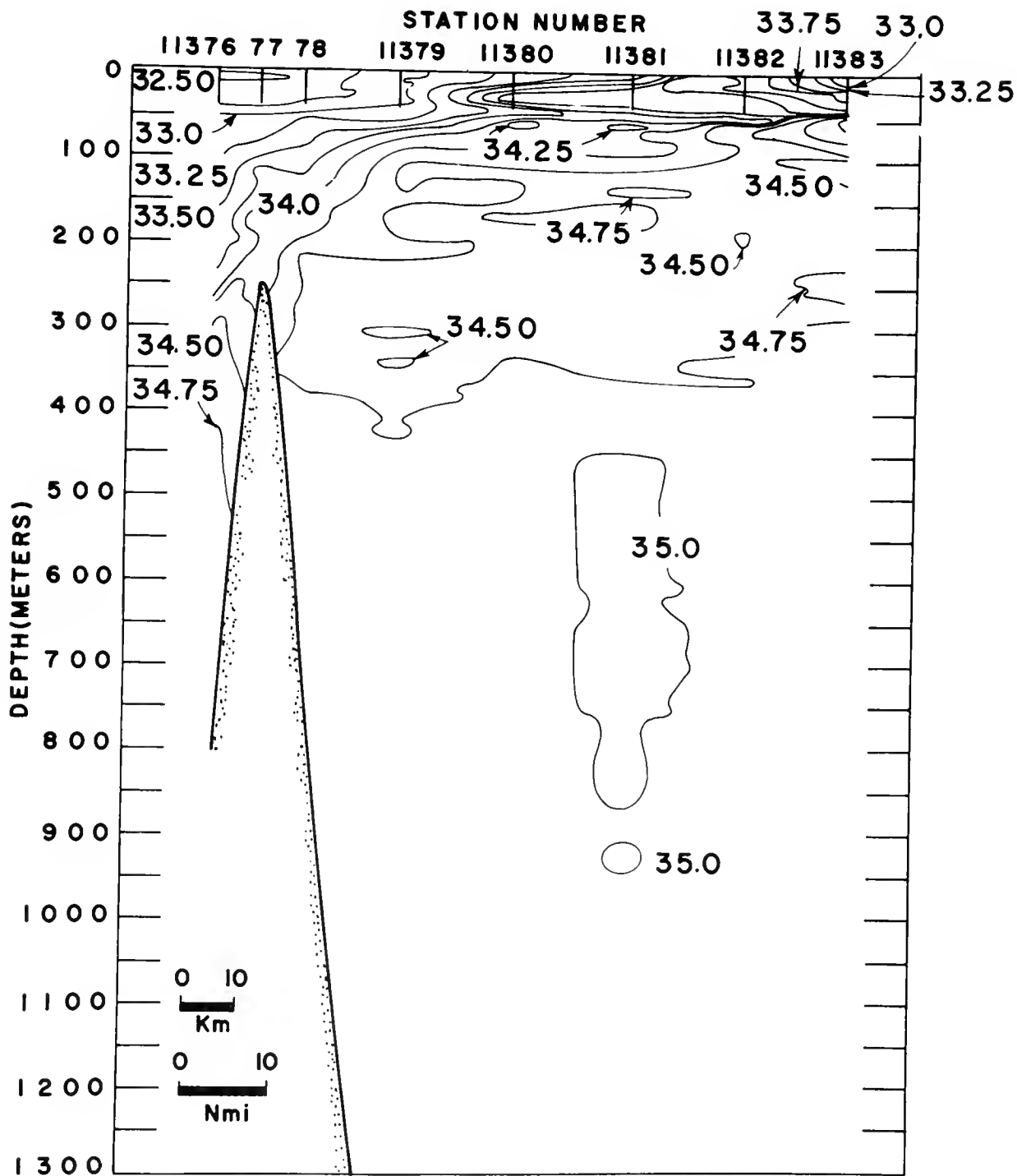


FIGURE 56. Vertical salinity ( $\text{‰}$ ) section 1, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 26-27 June 1973.

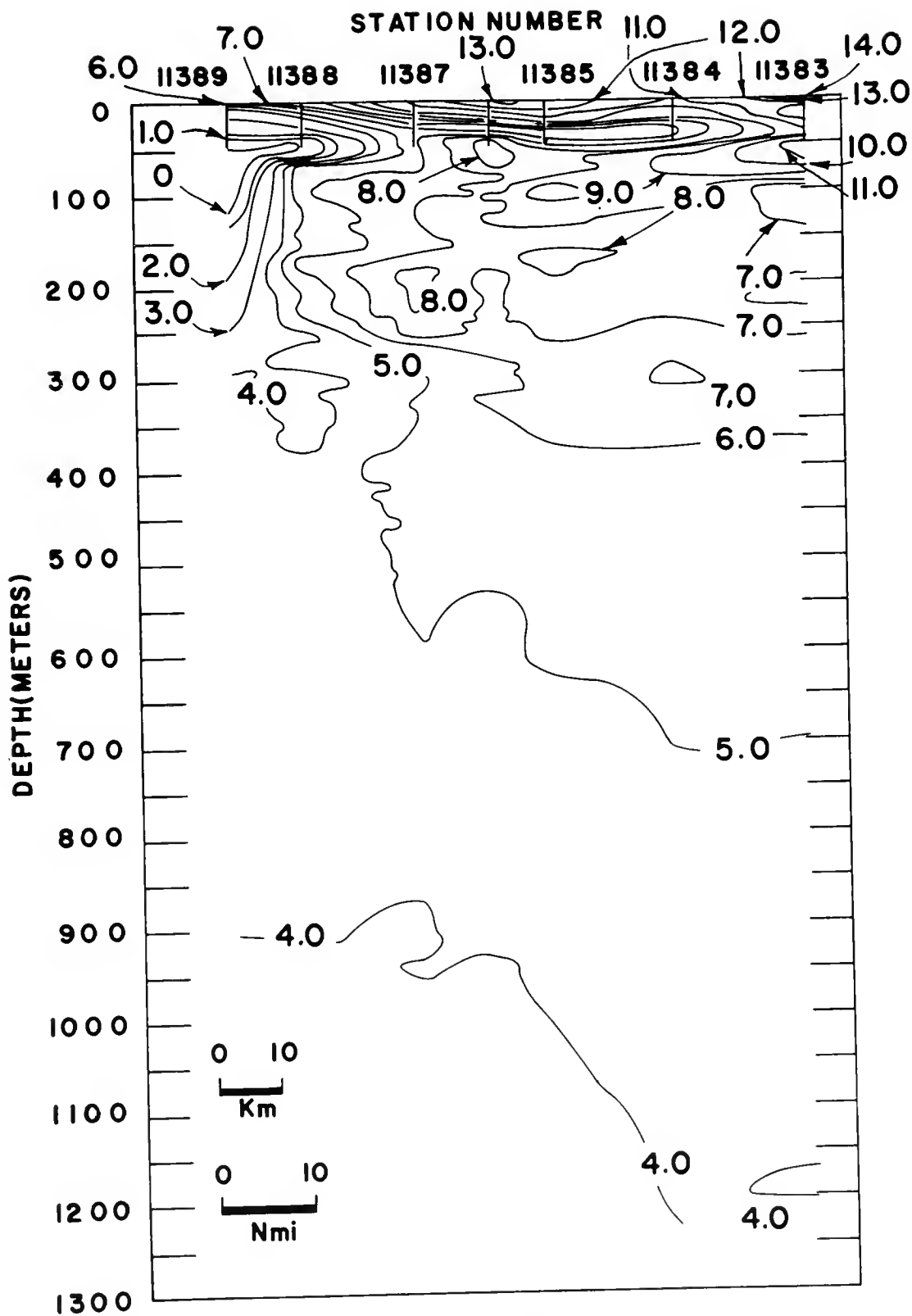


FIGURE 57. Vertical temperature ( $^{\circ}\text{C}$ ) section 2, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 27 June 1973.

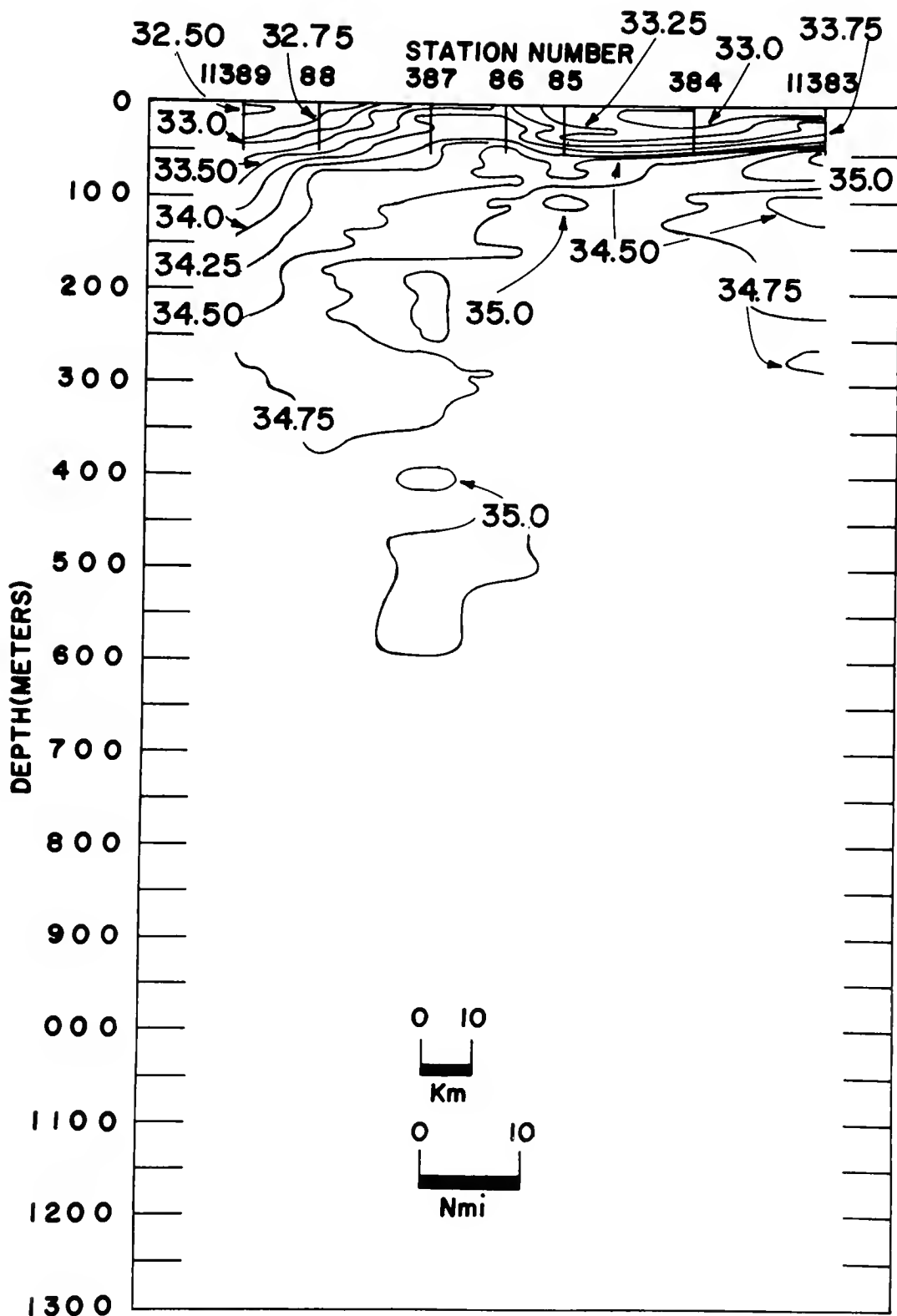


FIGURE 58. Vertical salinity ( $\text{‰}$ ) section 2, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 27 June 1973.

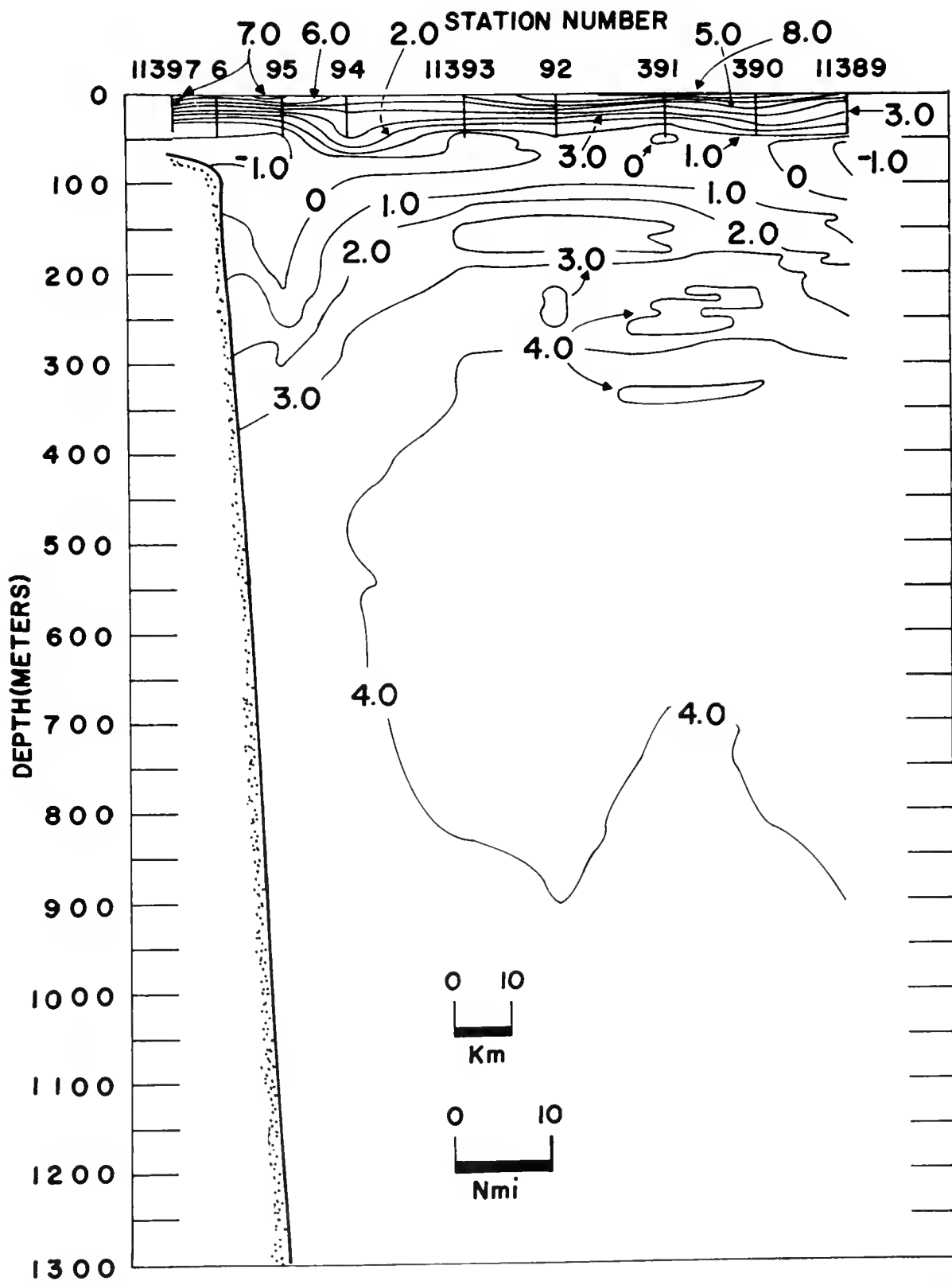


FIGURE 59. Vertical temperature ( $^{\circ}\text{C}$ ) section 3, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 27-28 June 1973.

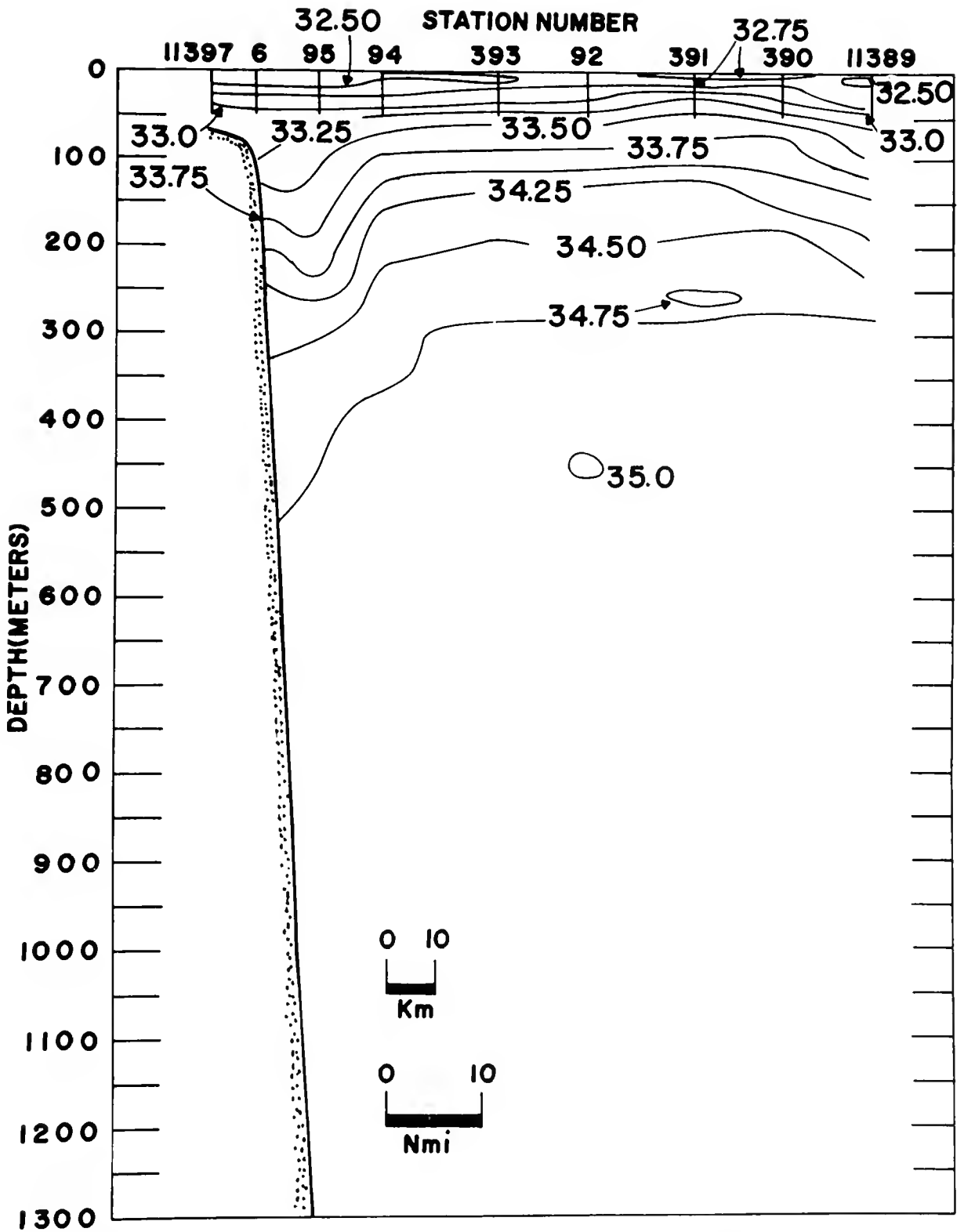


FIGURE 60. Vertical salinity ( $\text{‰}$ ) section 3, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 27-28 June 1973.

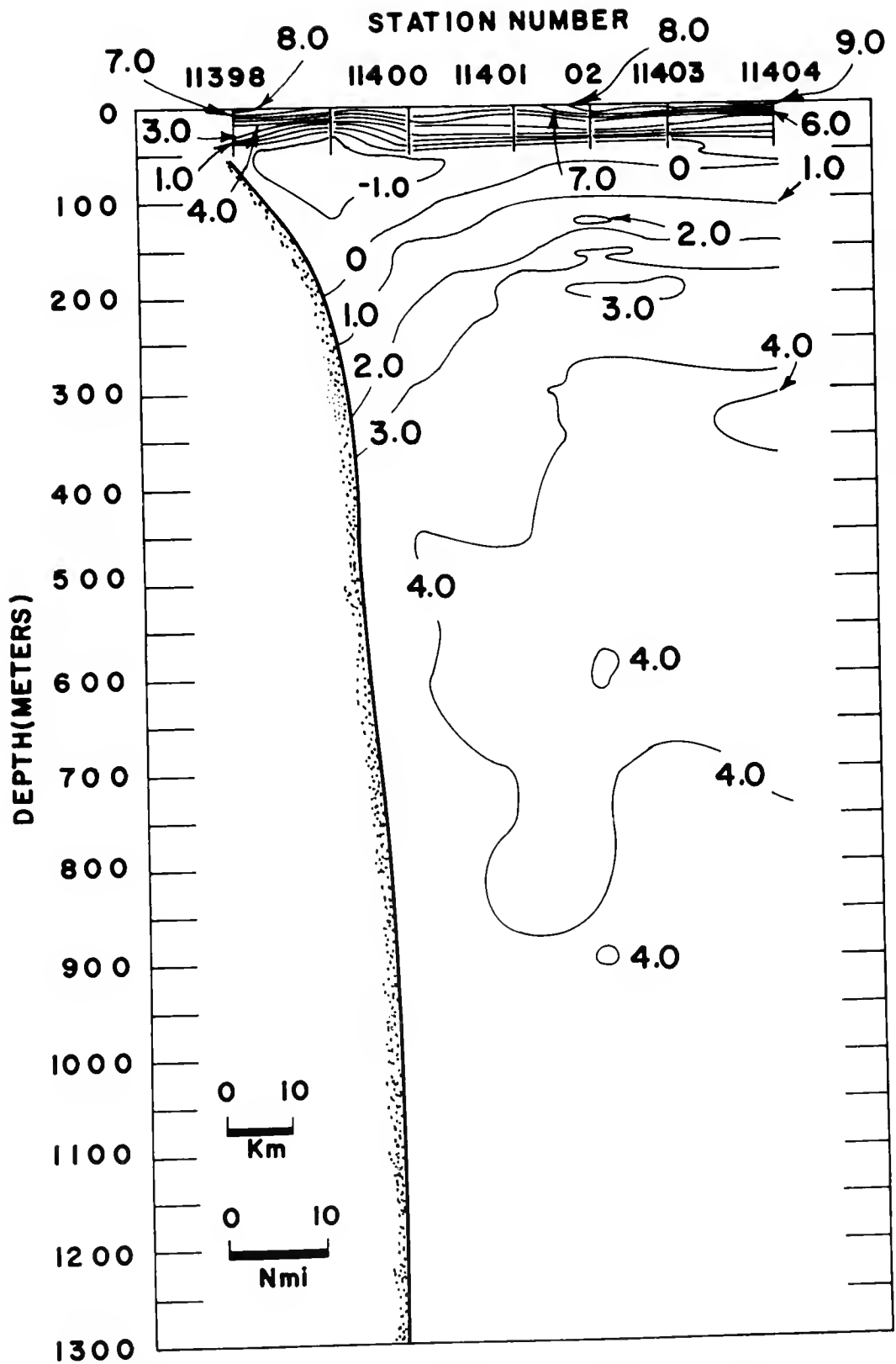


FIGURE 61. Vertical temperature ( $^{\circ}\text{C}$ ) section 4, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 28 June 1973.

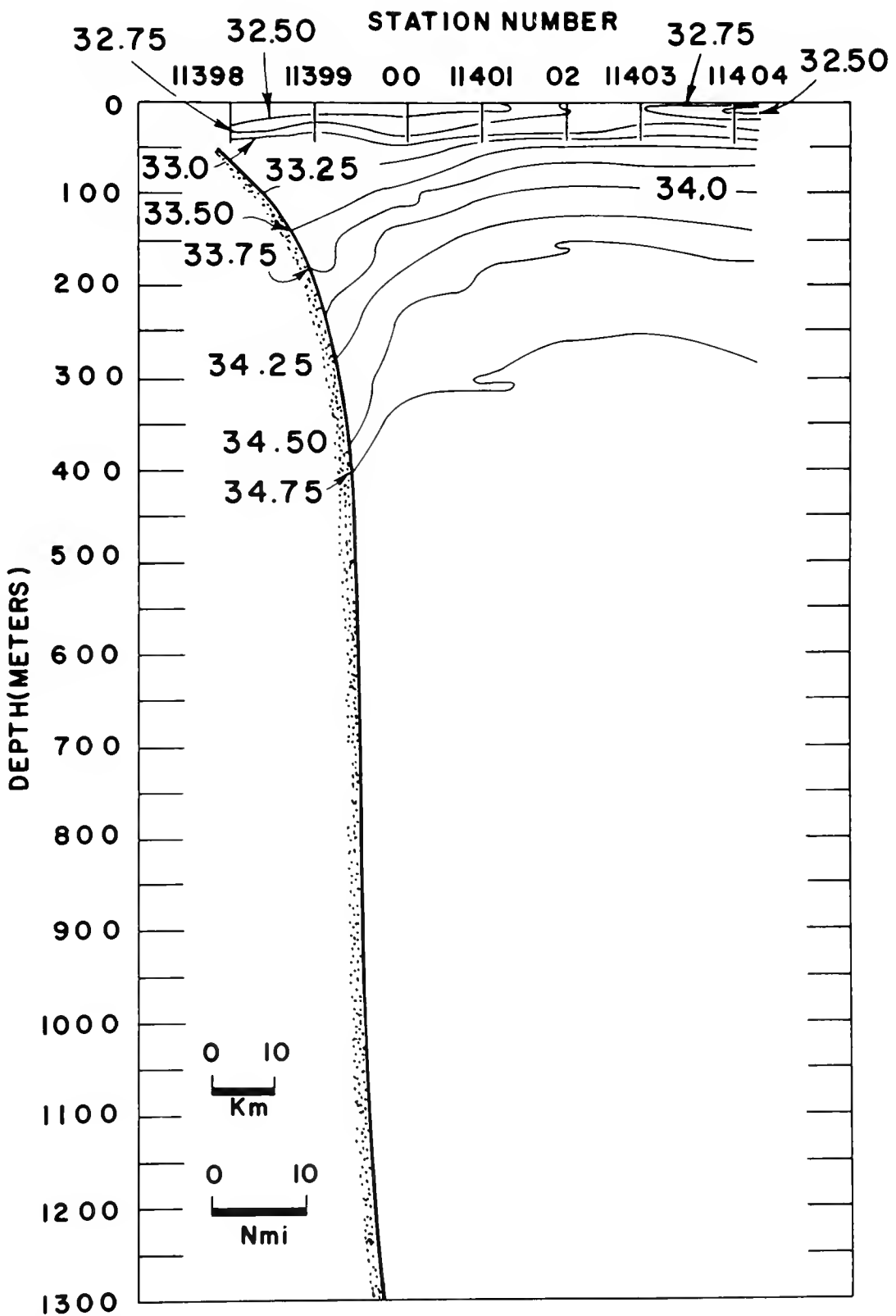


FIGURE 62. Vertical salinity ( $\text{‰}$ ) section 4, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 28 June 1973.

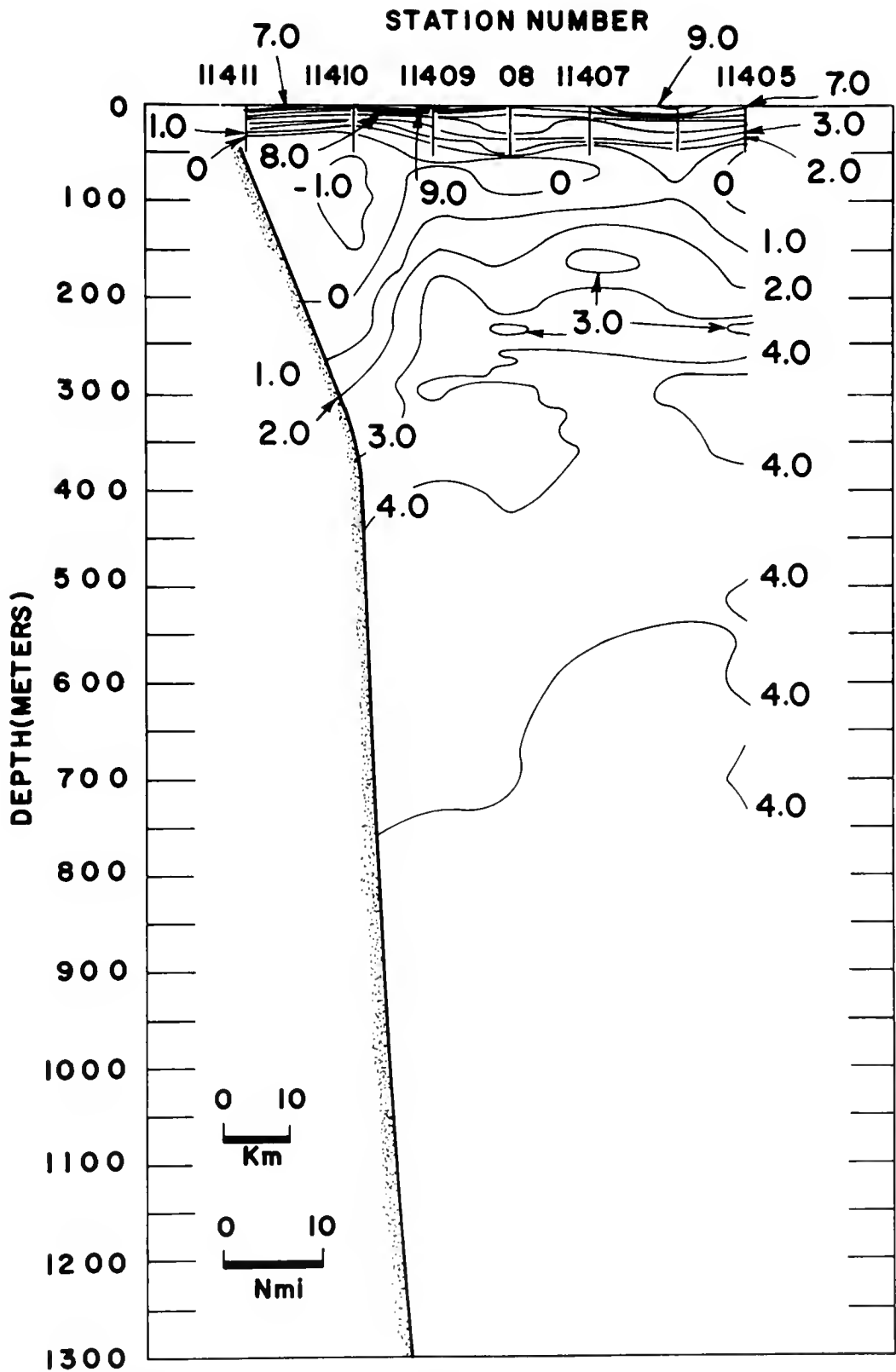


FIGURE 63. Vertical temperature ( $^{\circ}\text{C}$ ) section 5, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 28-29 June 1973.



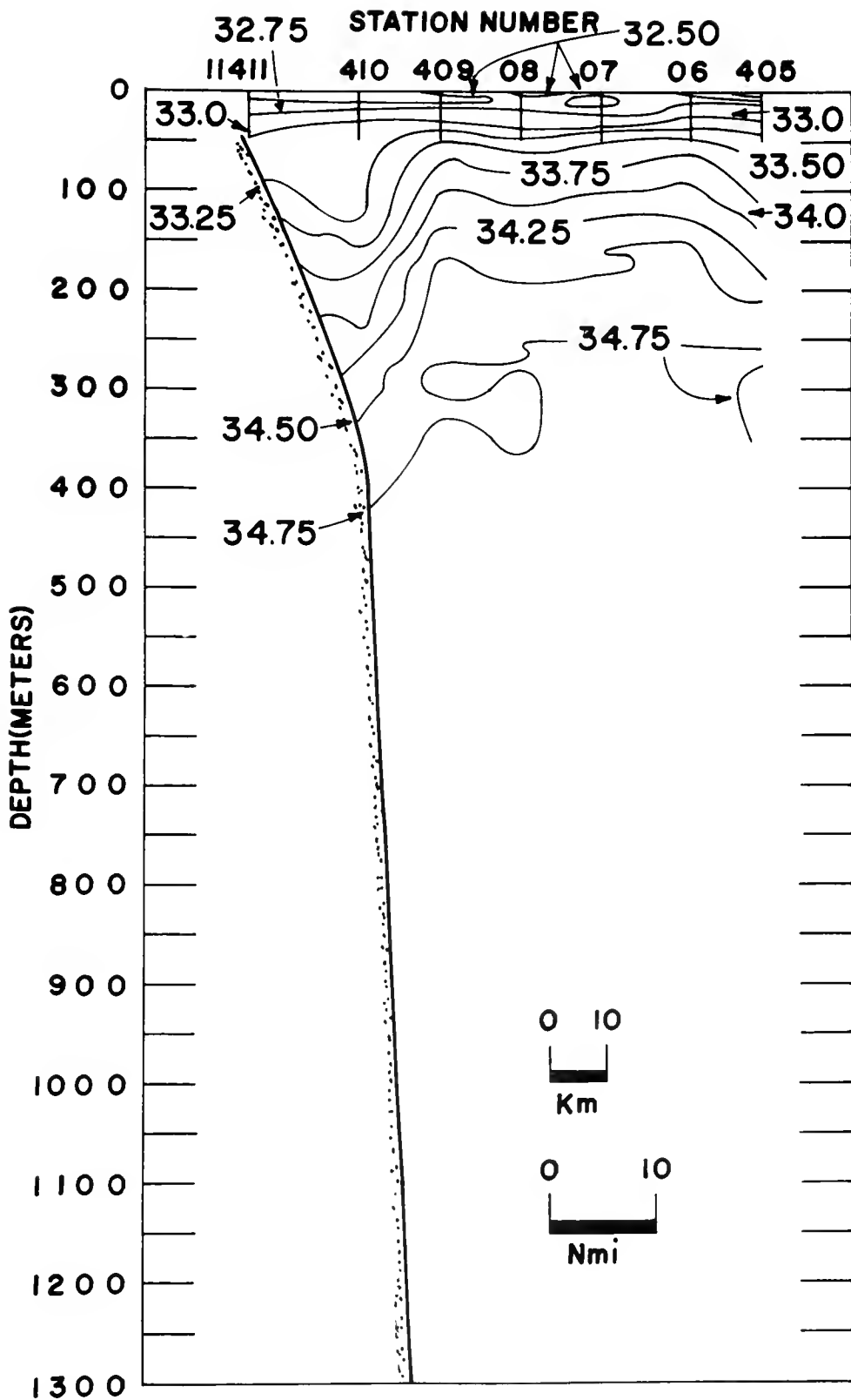


FIGURE 64. Vertical salinity ( $\text{‰}$ ) section 5, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 28-29 June 1973.

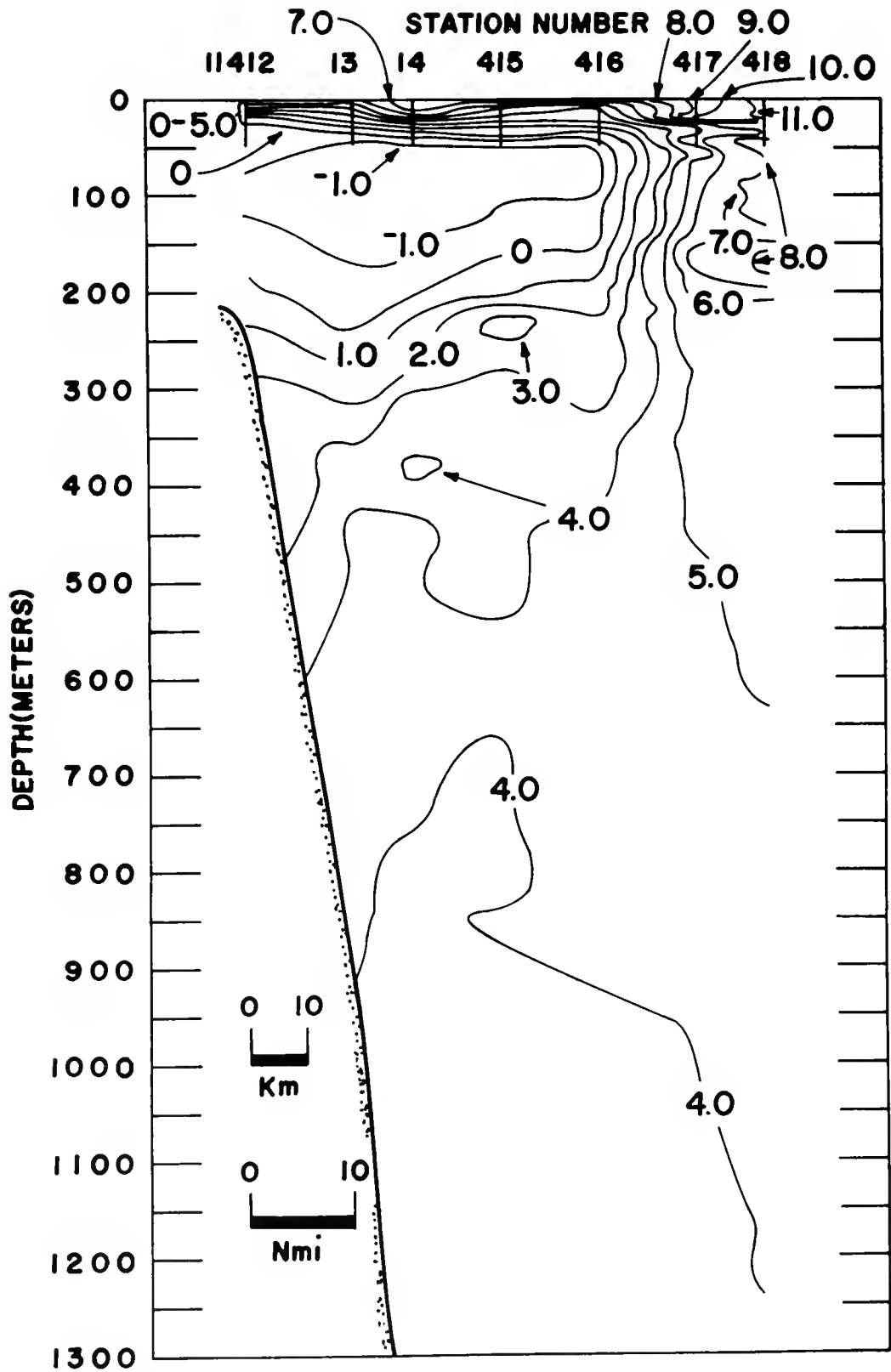


FIGURE 65. Vertical temperature ( $^{\circ}\text{C}$ ) section 6, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 29 June 1973.

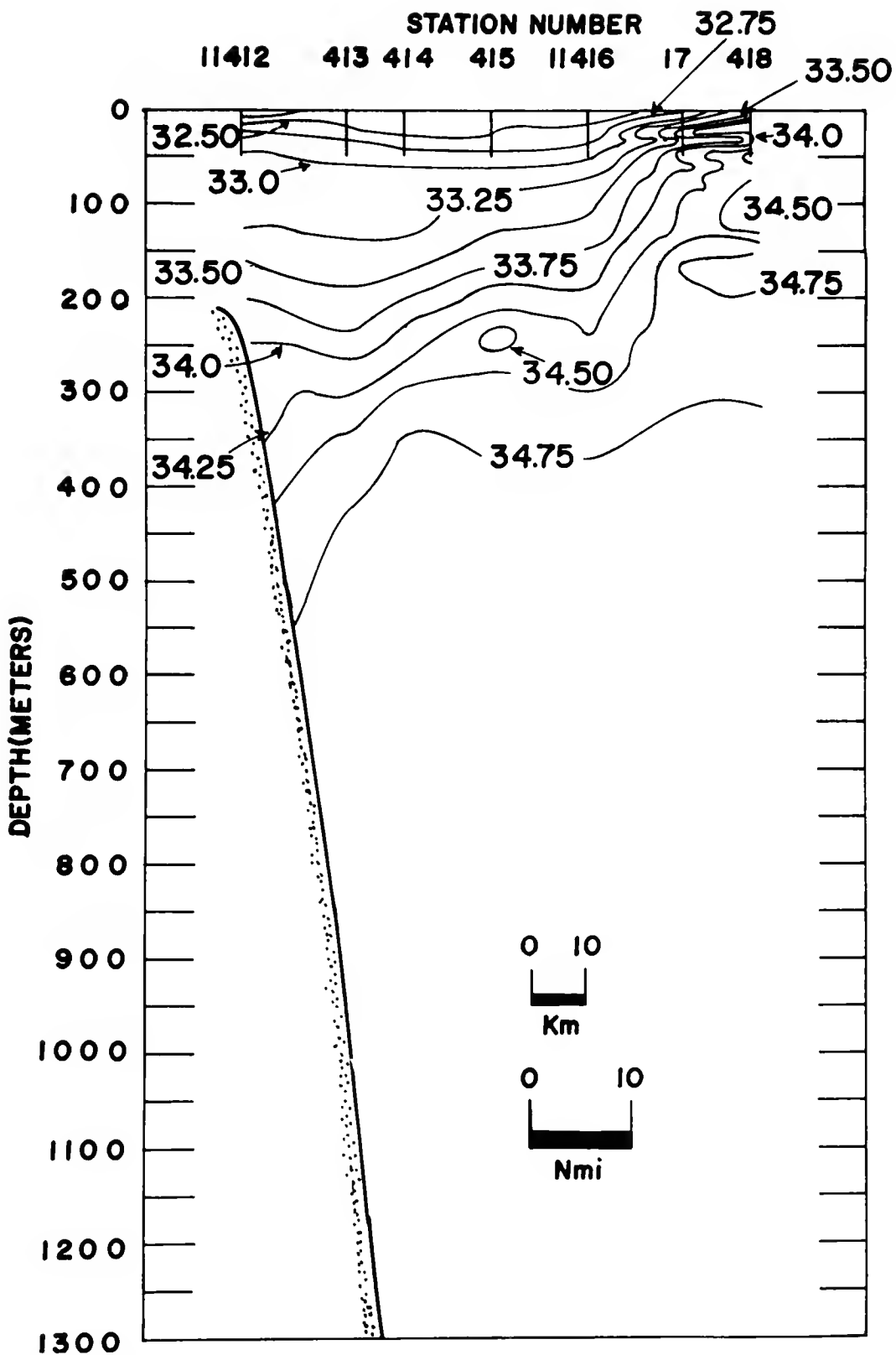


FIGURE 66. Vertical salinity ( $^{\circ}/_{\infty}$ ) section 6, Intensive Dynamic Survey II, occupied by CGC EVERGREEN, 29 June 1973.

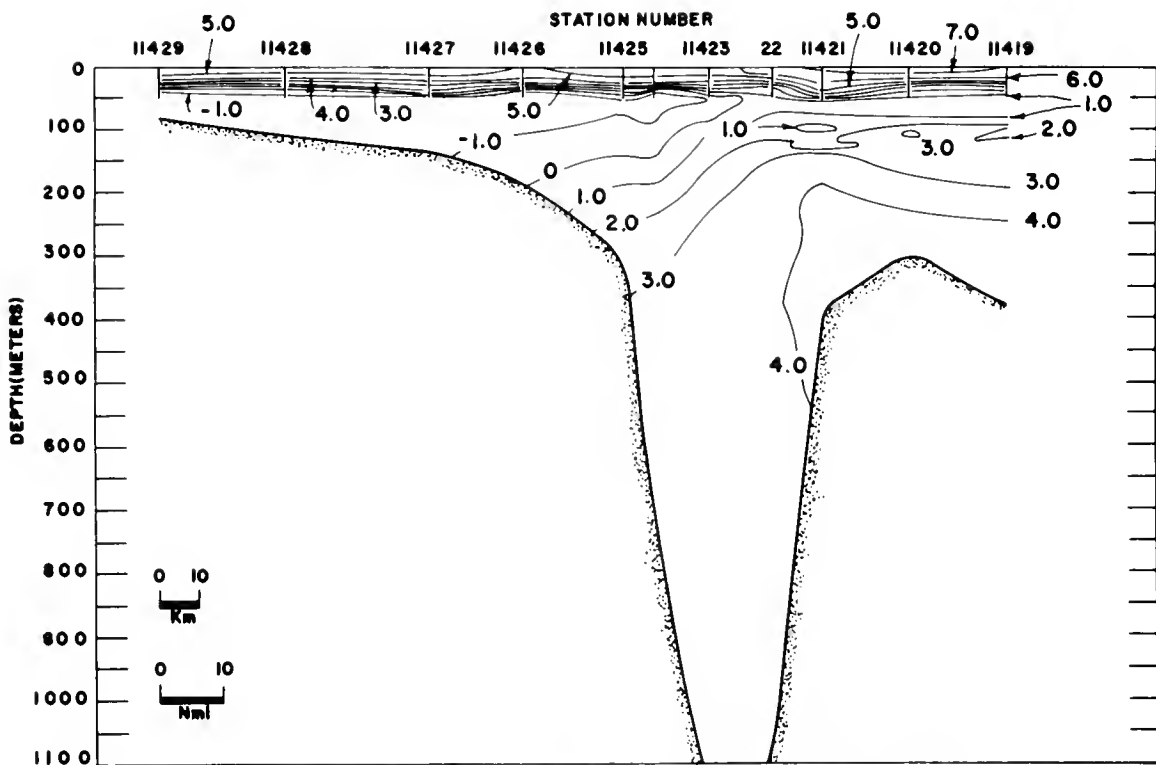


FIGURE 67. Vertical temperature ( $^{\circ}\text{C}$ ) section A2MOD, occupied by CGC EVERGREEN, 1-2 July 1973.

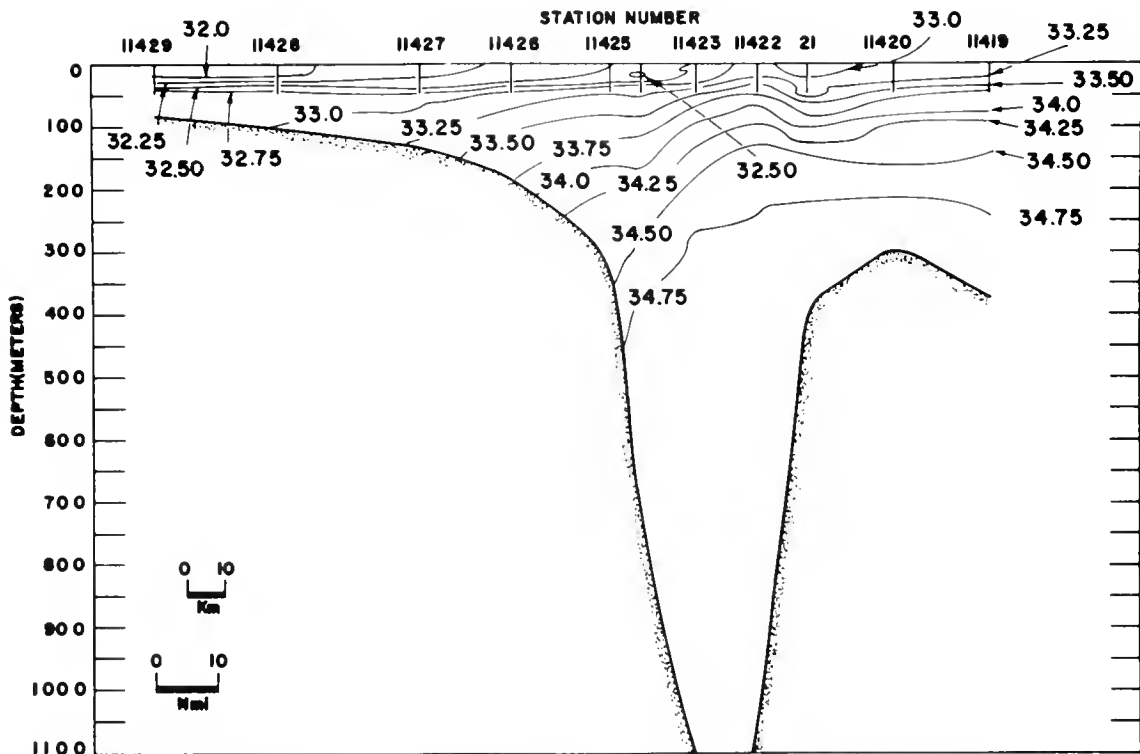


FIGURE 68. Vertical salinity ( $^{\circ}/_{\infty}$ ) section A2MOD, occupied by CGC EVERGREEN, 1-2 July 1973.

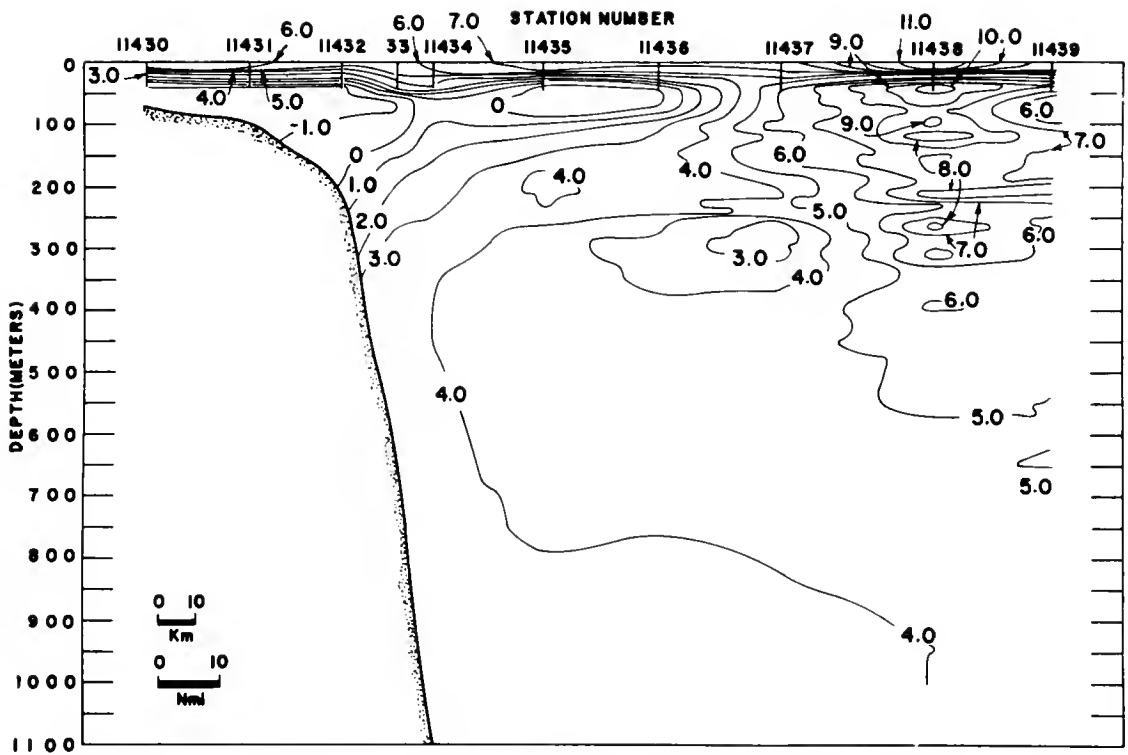


FIGURE 69. Vertical temperature ( $^{\circ}\text{C}$ ) section A2B, occupied by CGC EVERGREEN, 2-3 July 1973.

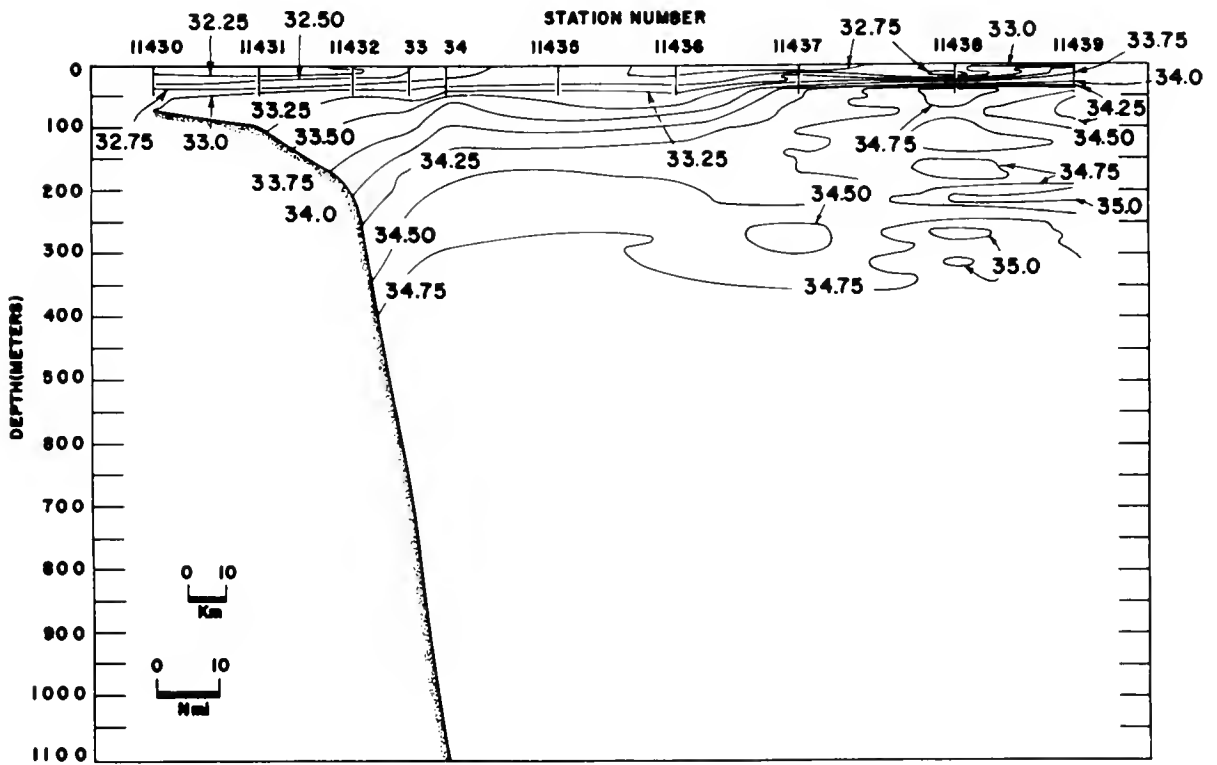


FIGURE 70. Vertical salinity ( $\text{‰}$ ) section A2B, occupied by CGC EVERGREEN, 2-3 July 1973.

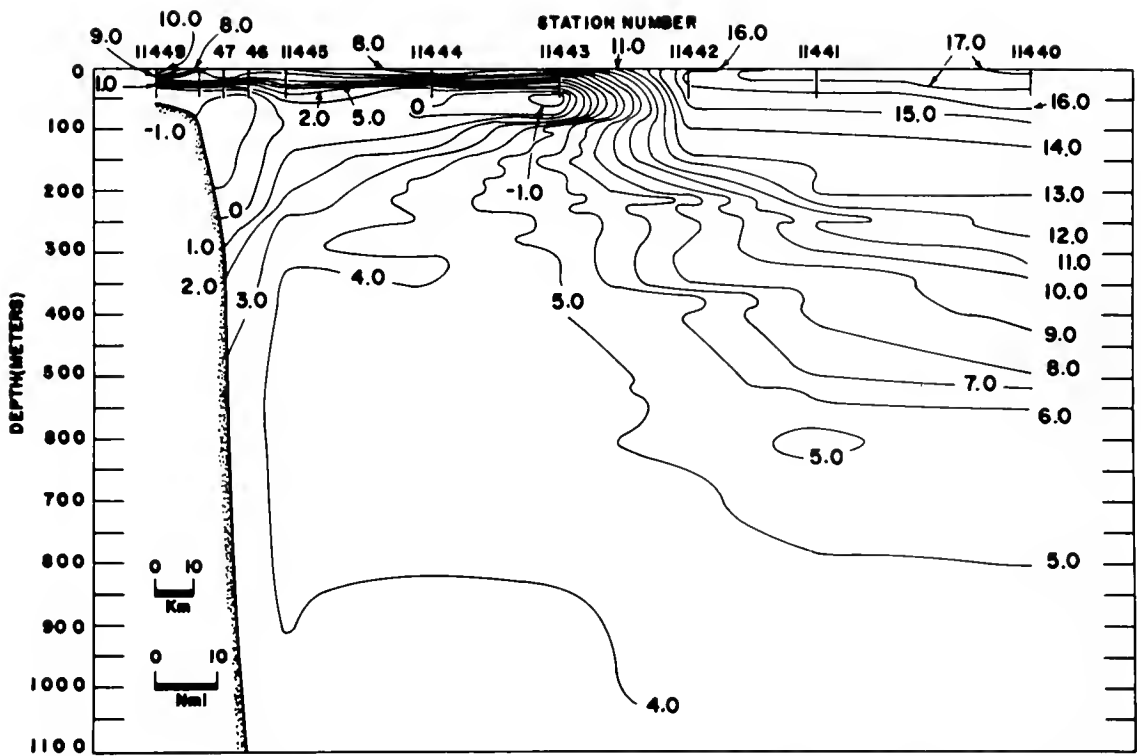


FIGURE 71. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 3-4 July 1973.

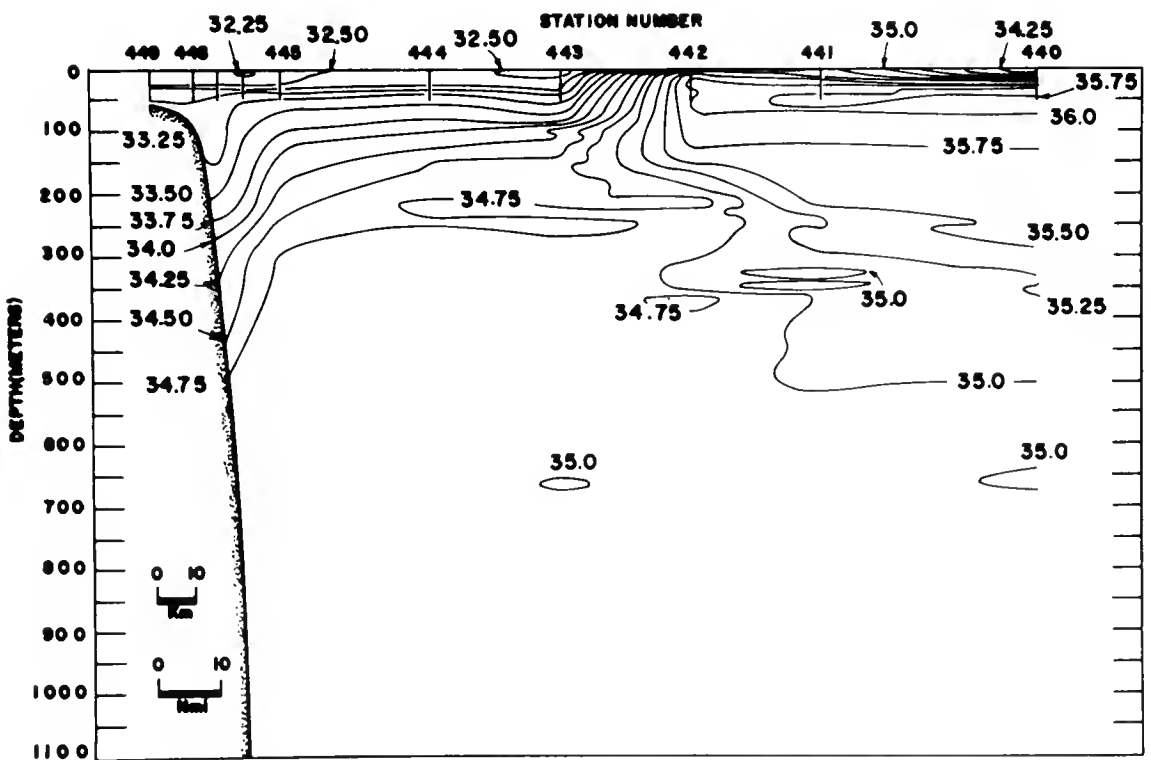


FIGURE 72. Vertical salinity ( $\text{‰}$ ) section A3, occupied by CGC EVERGREEN, 3-4 July 1973.

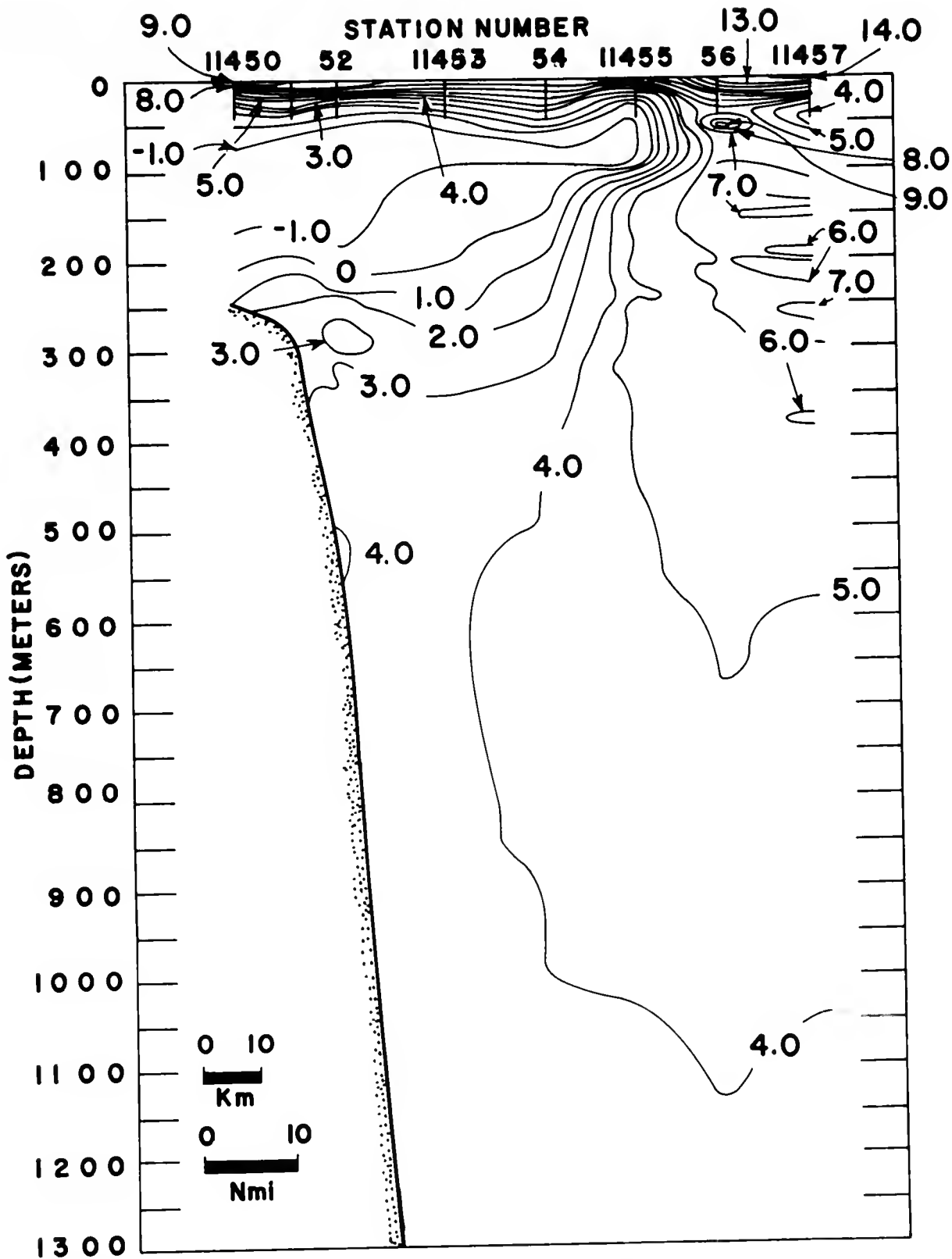


FIGURE 73. Vertical temperature ( $^{\circ}\text{C}$ ) section 1, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 4 July 1973.

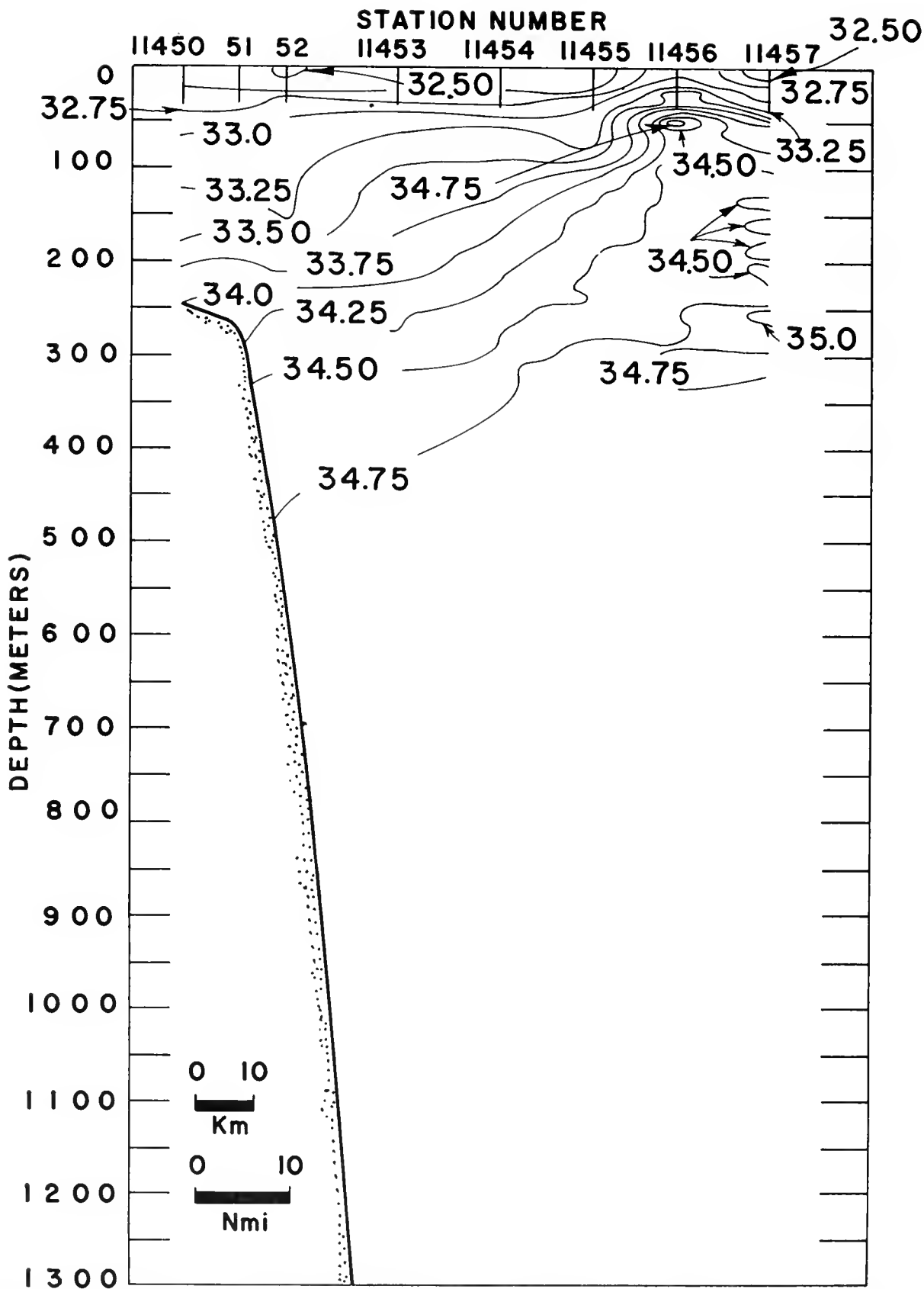


FIGURE 74. Vertical salinity ( $\text{‰}$ ) section 1, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 4 July 1973.



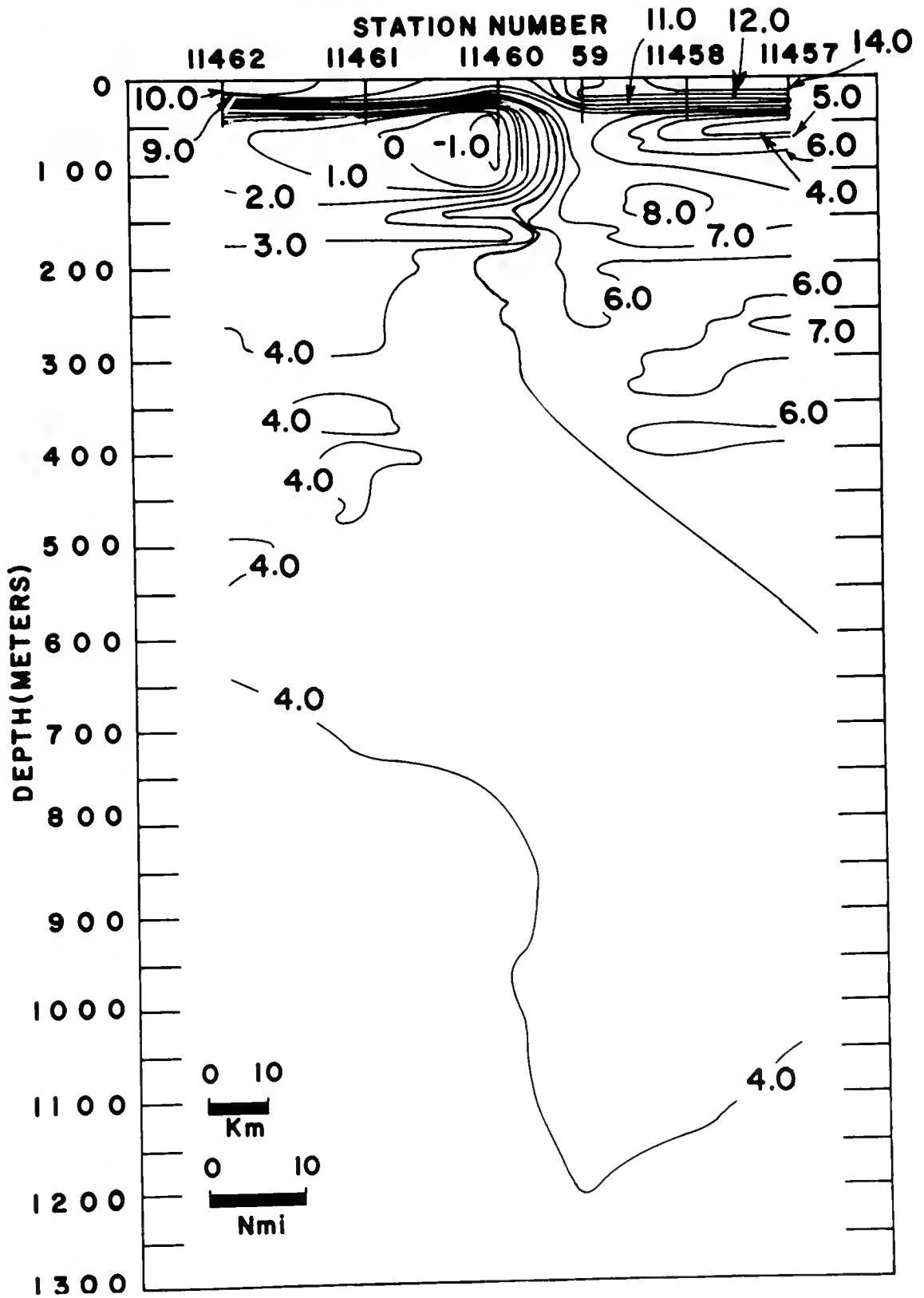


FIGURE 75. Vertical temperature ( $^{\circ}\text{C}$ ) section 2, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 4-5 July 1973.

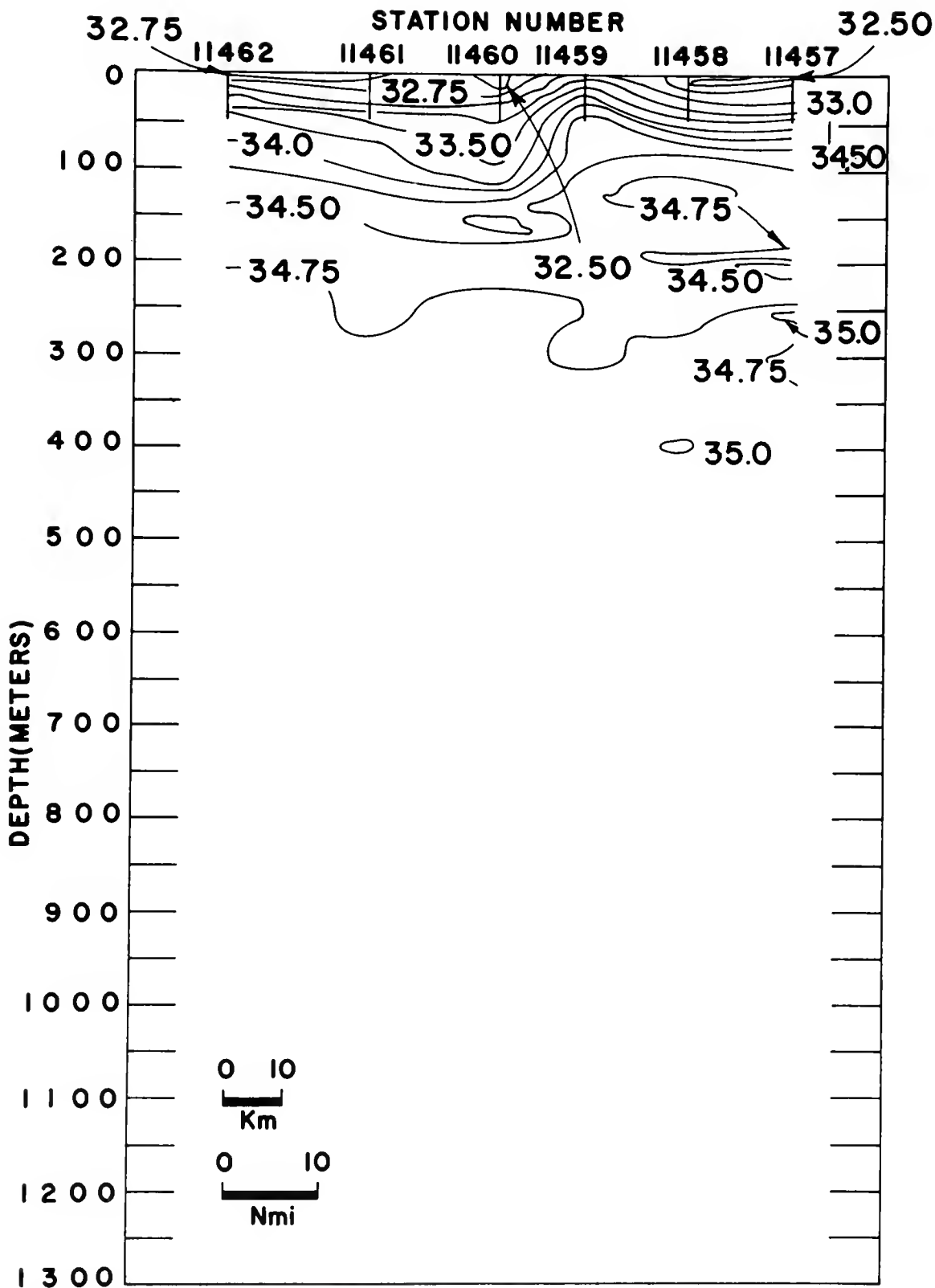


FIGURE 76. Vertical salinity ( $\text{‰}$ ) section 2, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 4-5 July 1973.

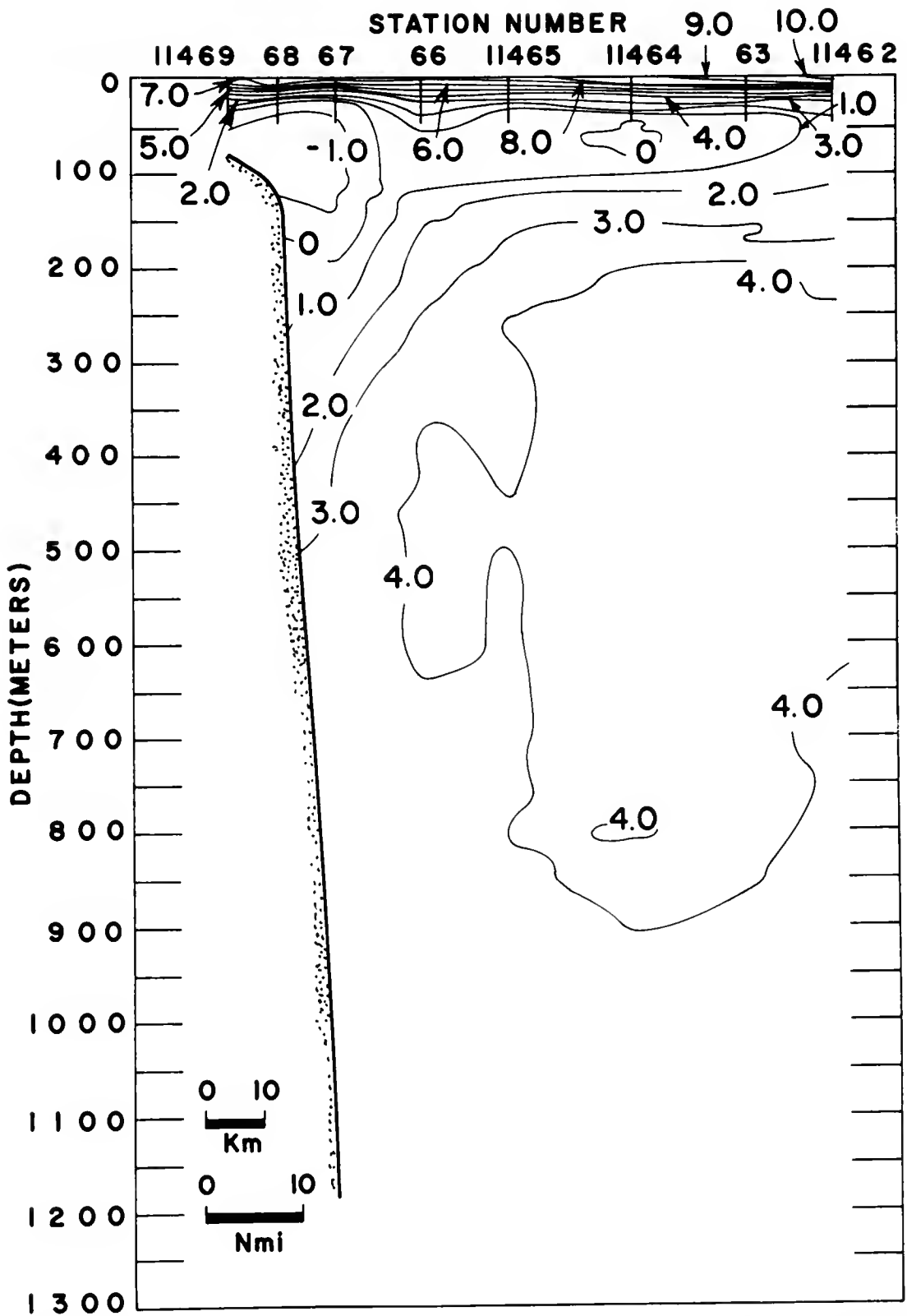


FIGURE 77. Vertical temperature ( $^{\circ}\text{C}$ ) section 3, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 5-6 July 1973.

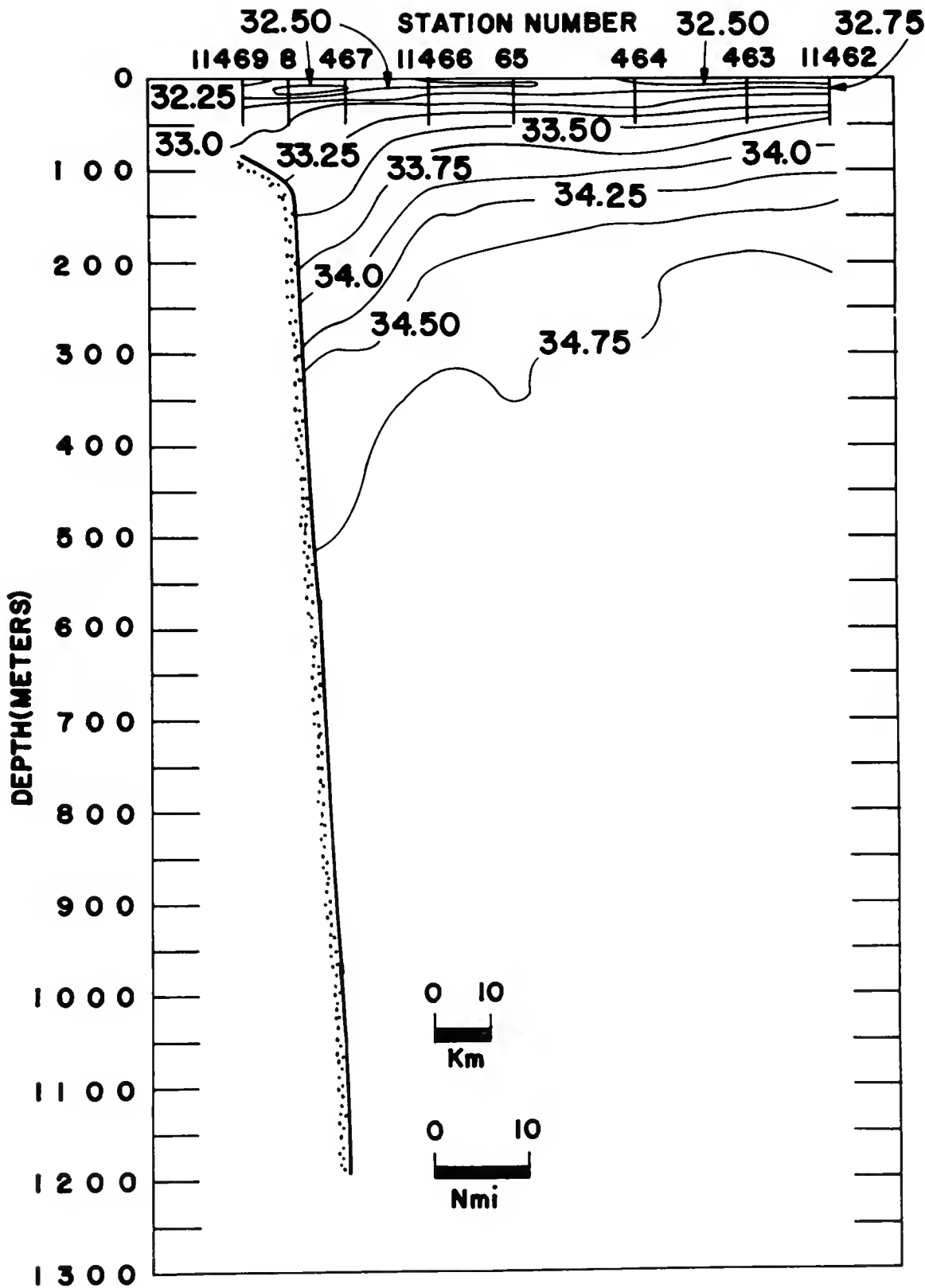


FIGURE 78. Vertical salinity ( $\text{‰}$ ) section 3, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 5-6 July 1973.

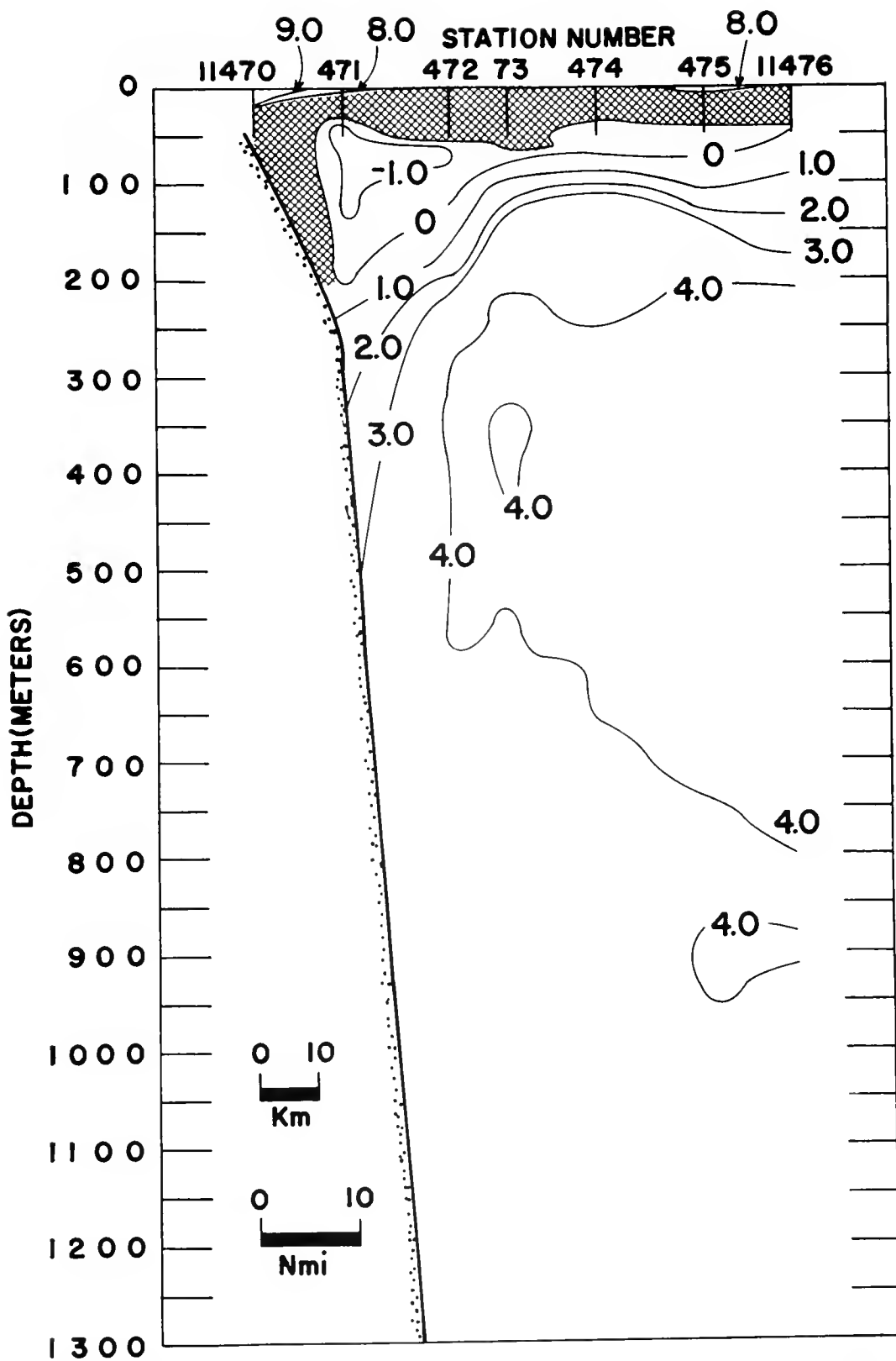


FIGURE 79. Vertical temperature ( $^{\circ}\text{C}$ ) section 4, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 6 July 1973.

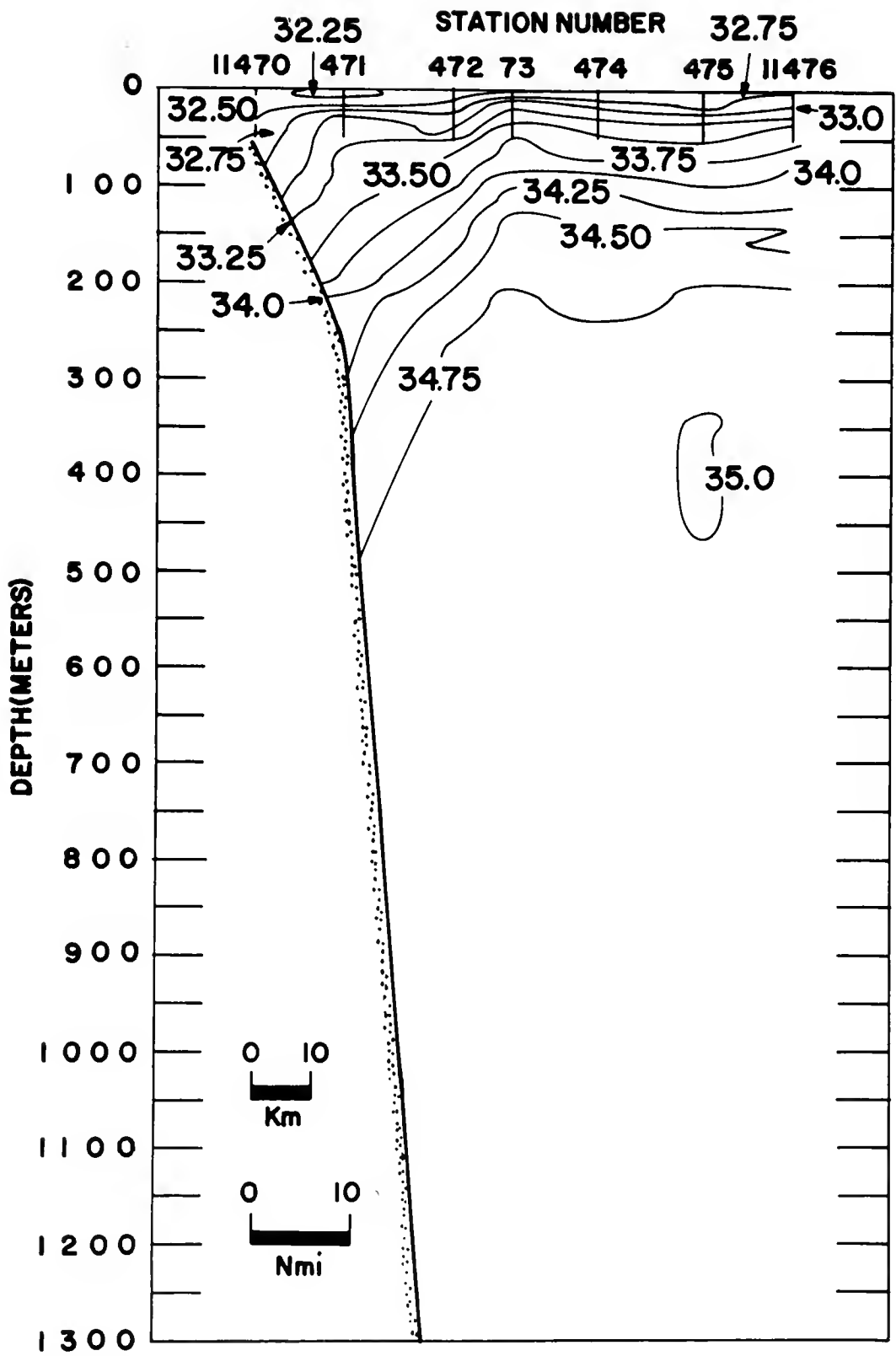


FIGURE 80. Vertical salinity ( $\text{‰}$ ) section 4, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 6 July 1973.

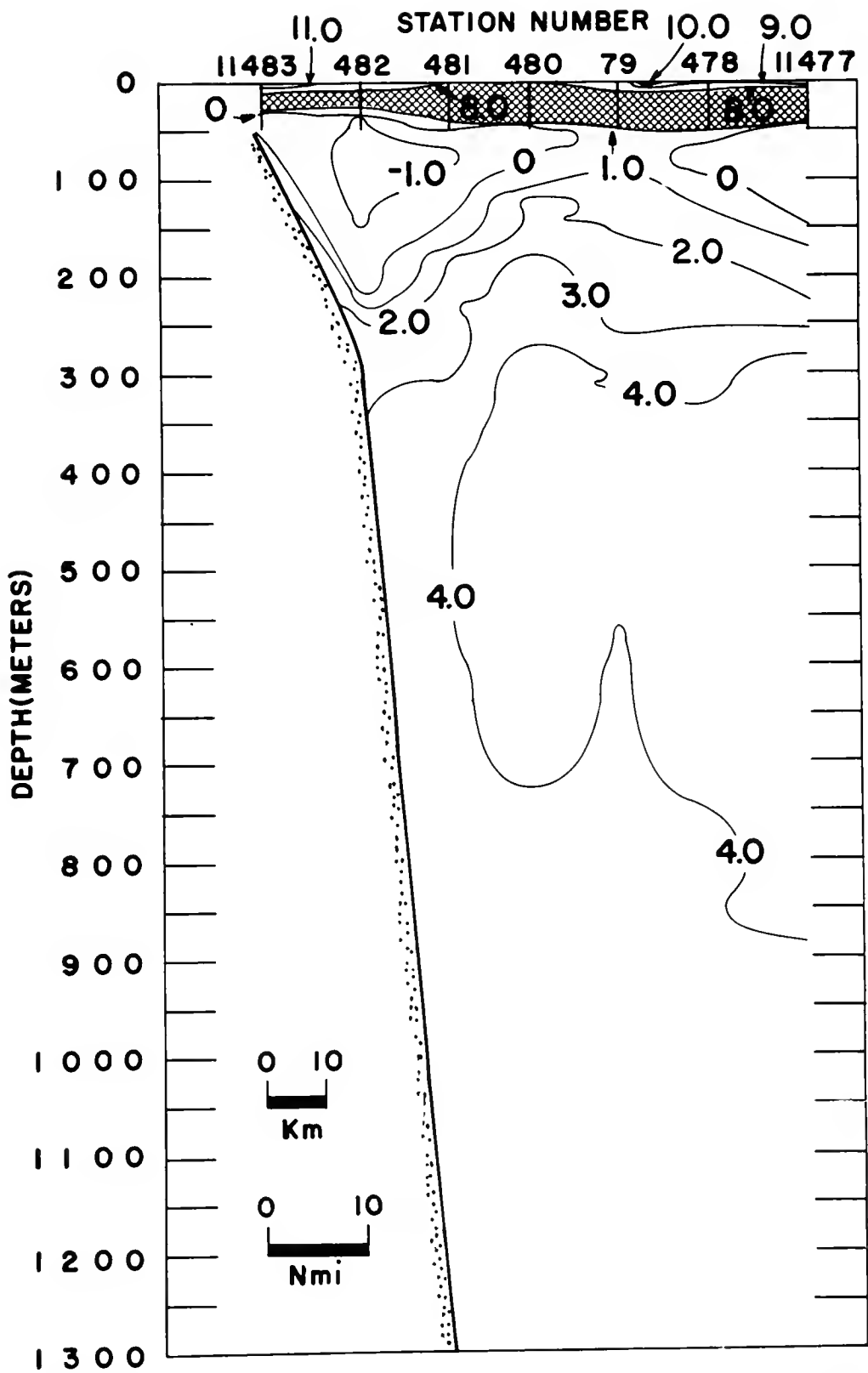


FIGURE 81. Vertical temperature ( $^{\circ}\text{C}$ ) section 5, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 6-7 July 1973.

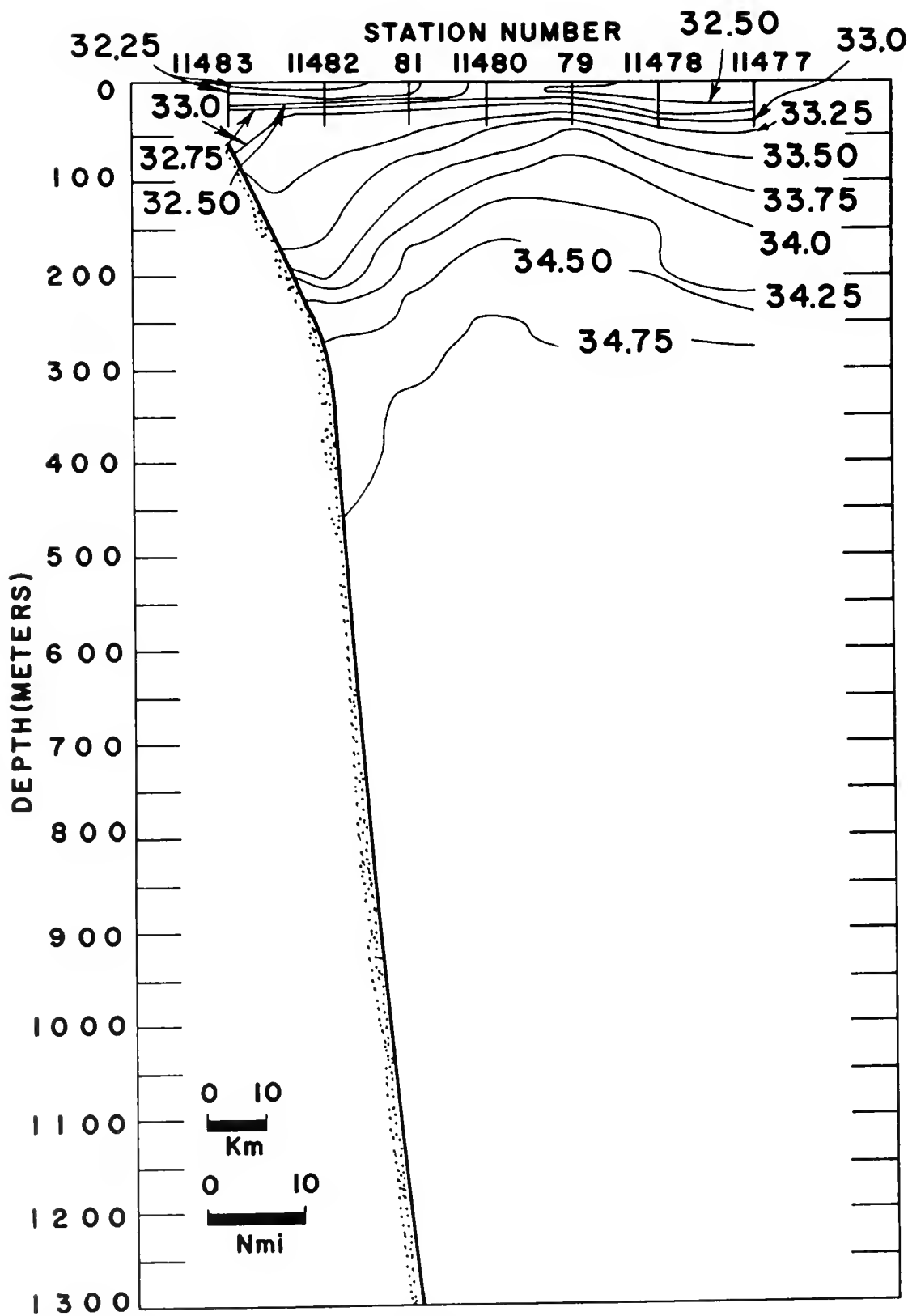


FIGURE 82. Vertical salinity ( $\text{‰}$ ) section 5, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 6-7 July 1973.



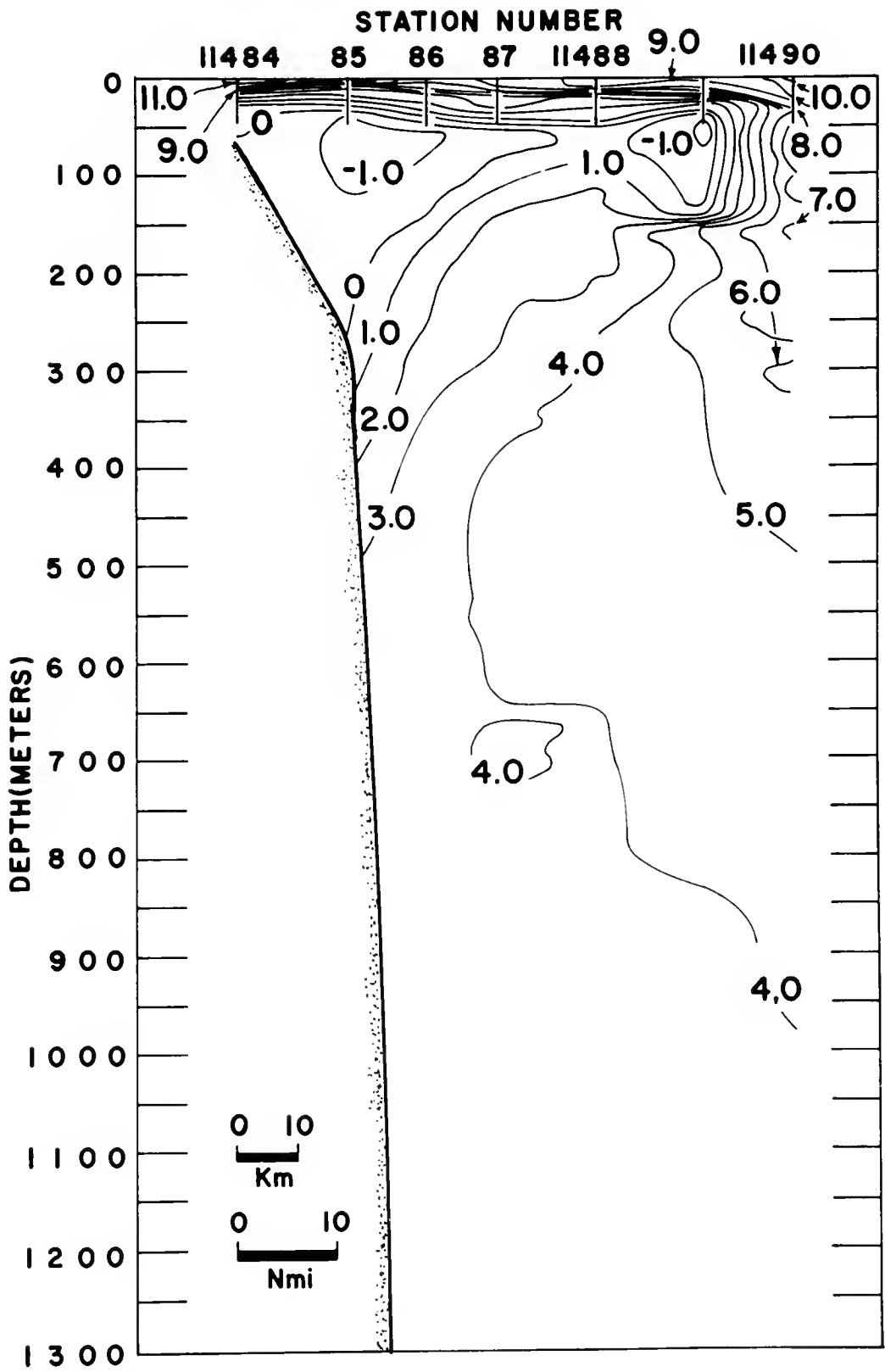


FIGURE 83. Vertical temperature ( $^{\circ}$ C) section 6, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 7 July 1973.

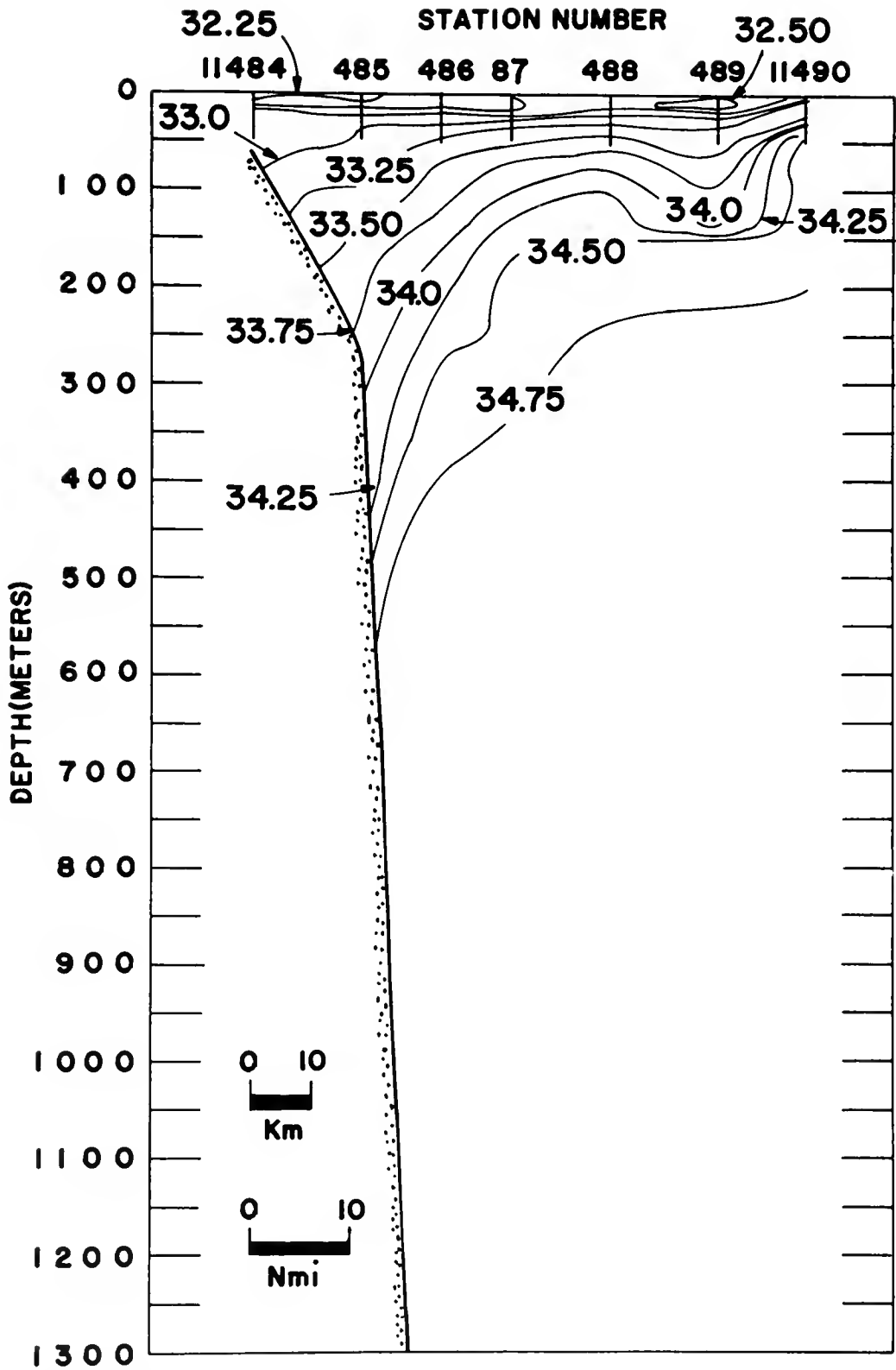


FIGURE 84. Vertical salinity ( $\text{‰}$ ) section 6, Intensive Dynamic Survey III, occupied by CGC EVERGREEN, 7 July 1973.

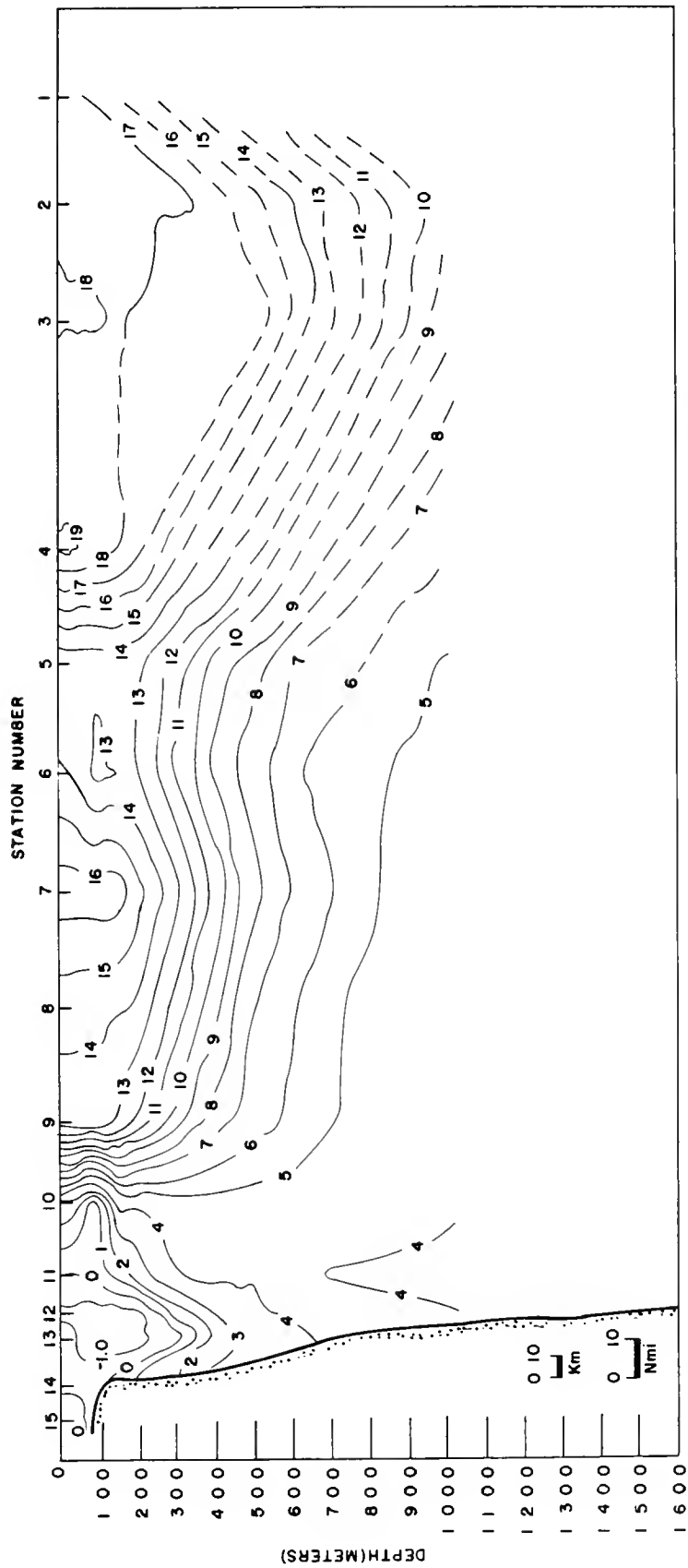


FIGURE 85. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A4-27, occupied by CGC CAMPBELL, 29 January-2 February 1973.

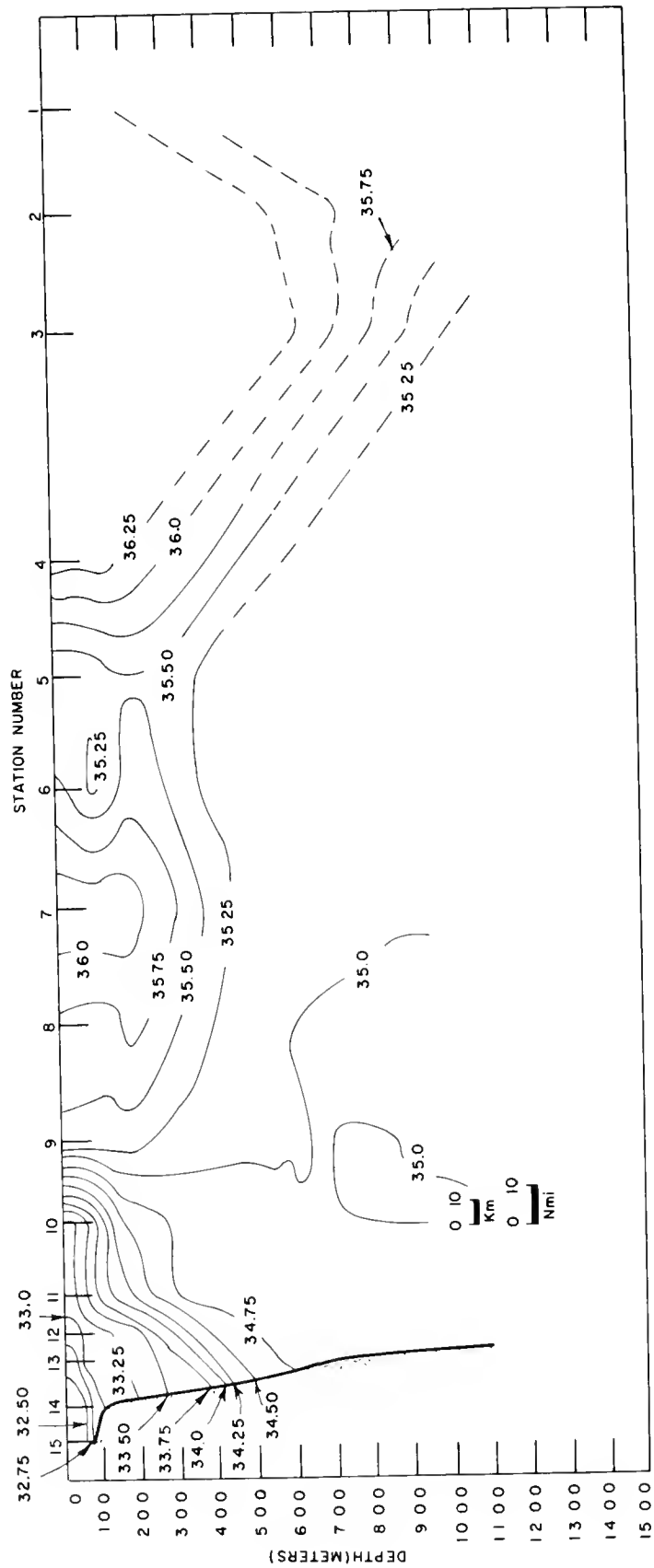


FIGURE 86. Vertical salinity ( $\text{‰}$ ) section, standard section A4-27, occupied by CGC CAMPBELL, 29 January-2 February 1973.

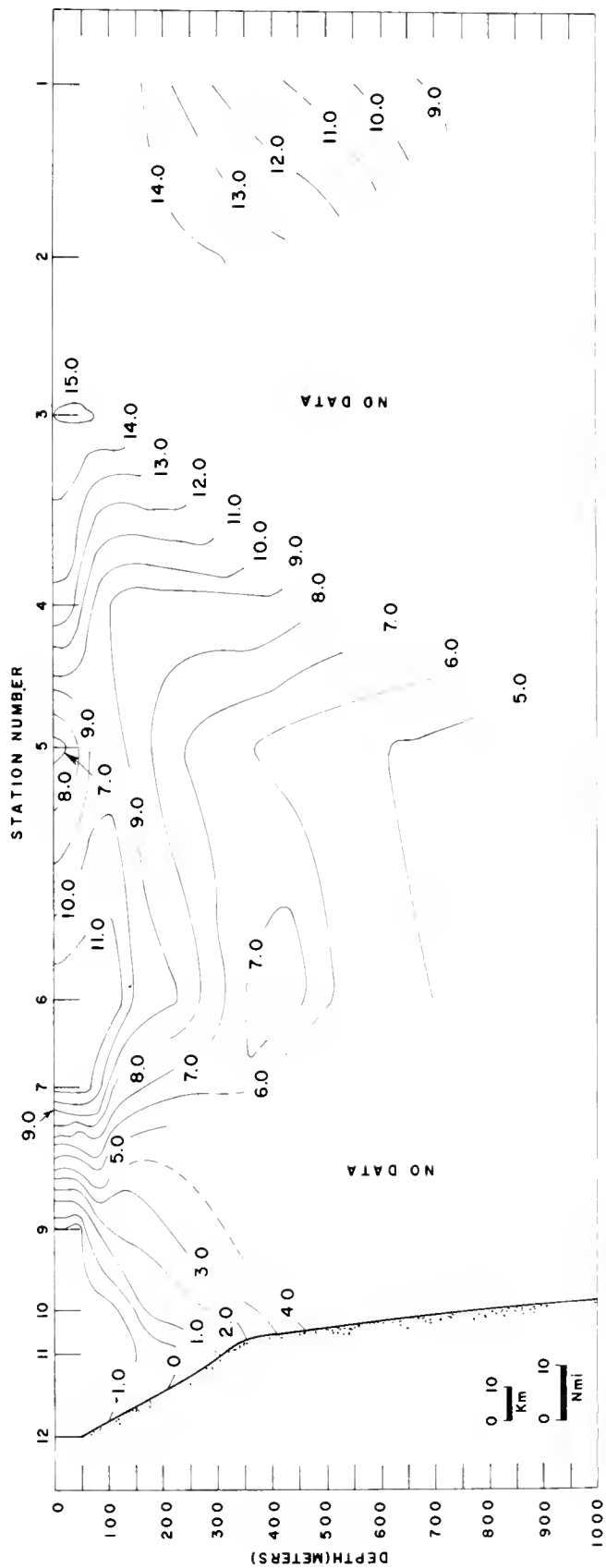


FIGURE 87. Vertical temperature ( $^{\circ}$ C) section, standard section A3-60, occupied by CGC OWASCO, 9-12 March 1973.

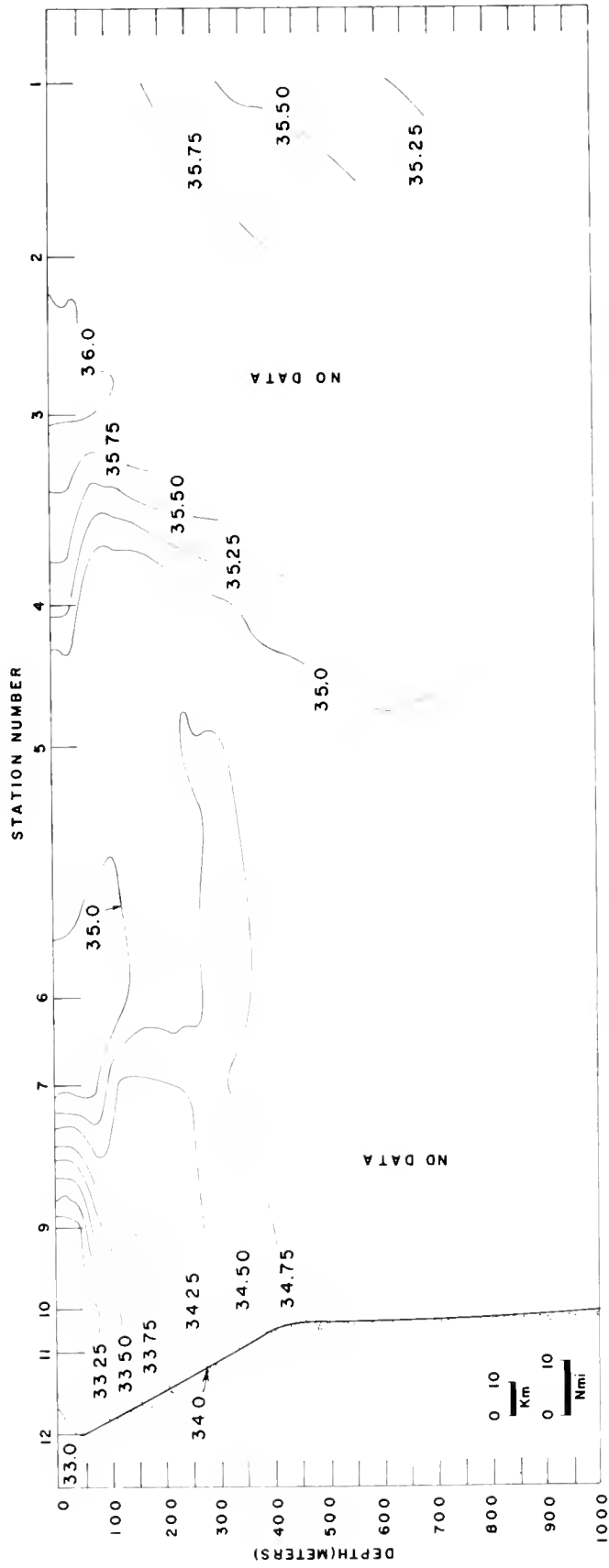


FIGURE 88. Vertical salinity ( $\text{‰}$ ) section, standard section A3-60, occupied by CGC OWASCO, 9-12 March 1973.

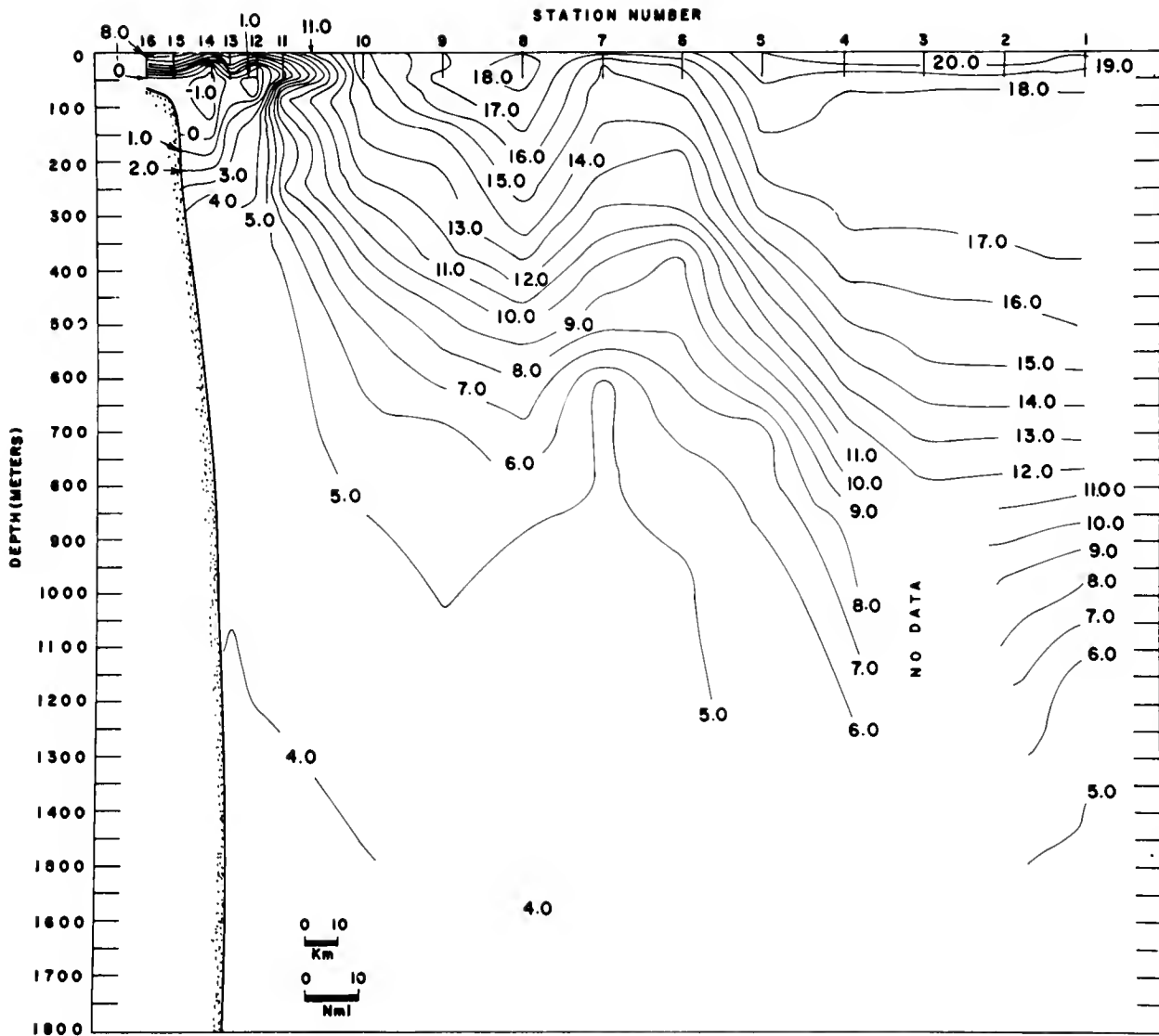


FIGURE 89. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A4-28, occupied by CGC BOUTWELL, 12-18 June 1973.

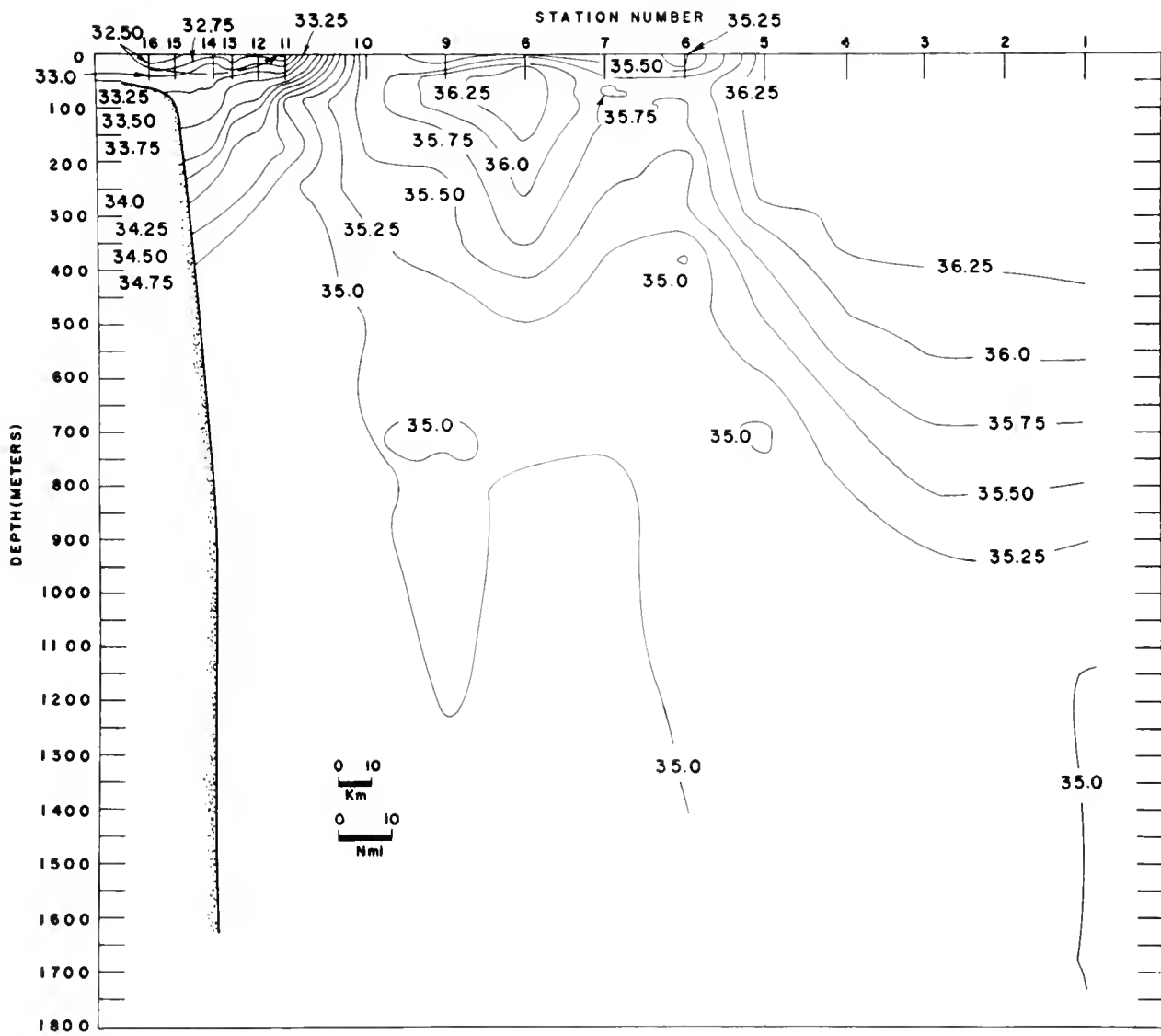


FIGURE 90. Vertical salinity ( $\text{‰}$ ) section, standard section A4-28, occupied by CGC BOUTWELL, 12-18 June 1973.



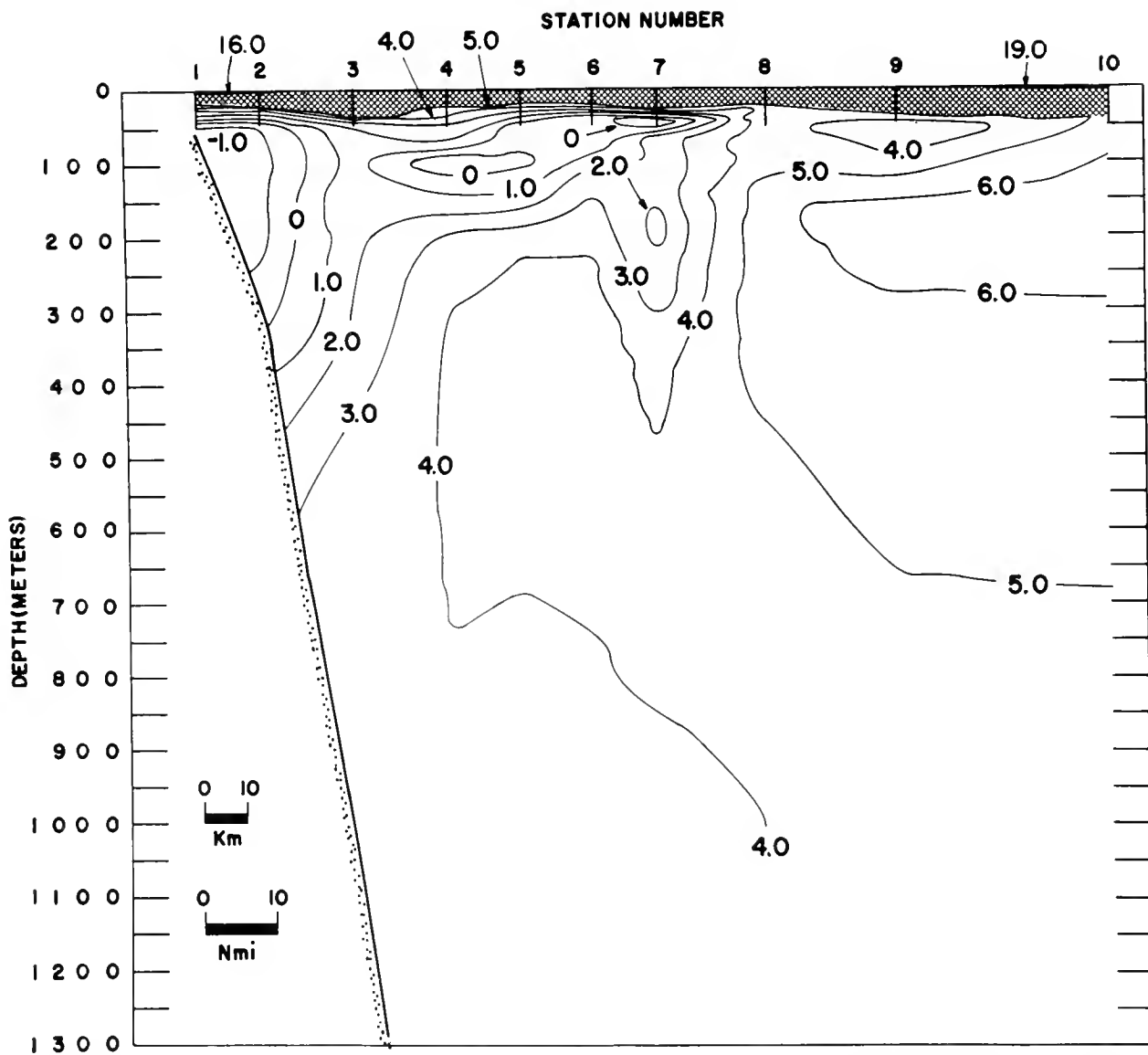


FIGURE 91. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A3-61, occupied by CGC MORGENTHAU, 18-25 July 1973.

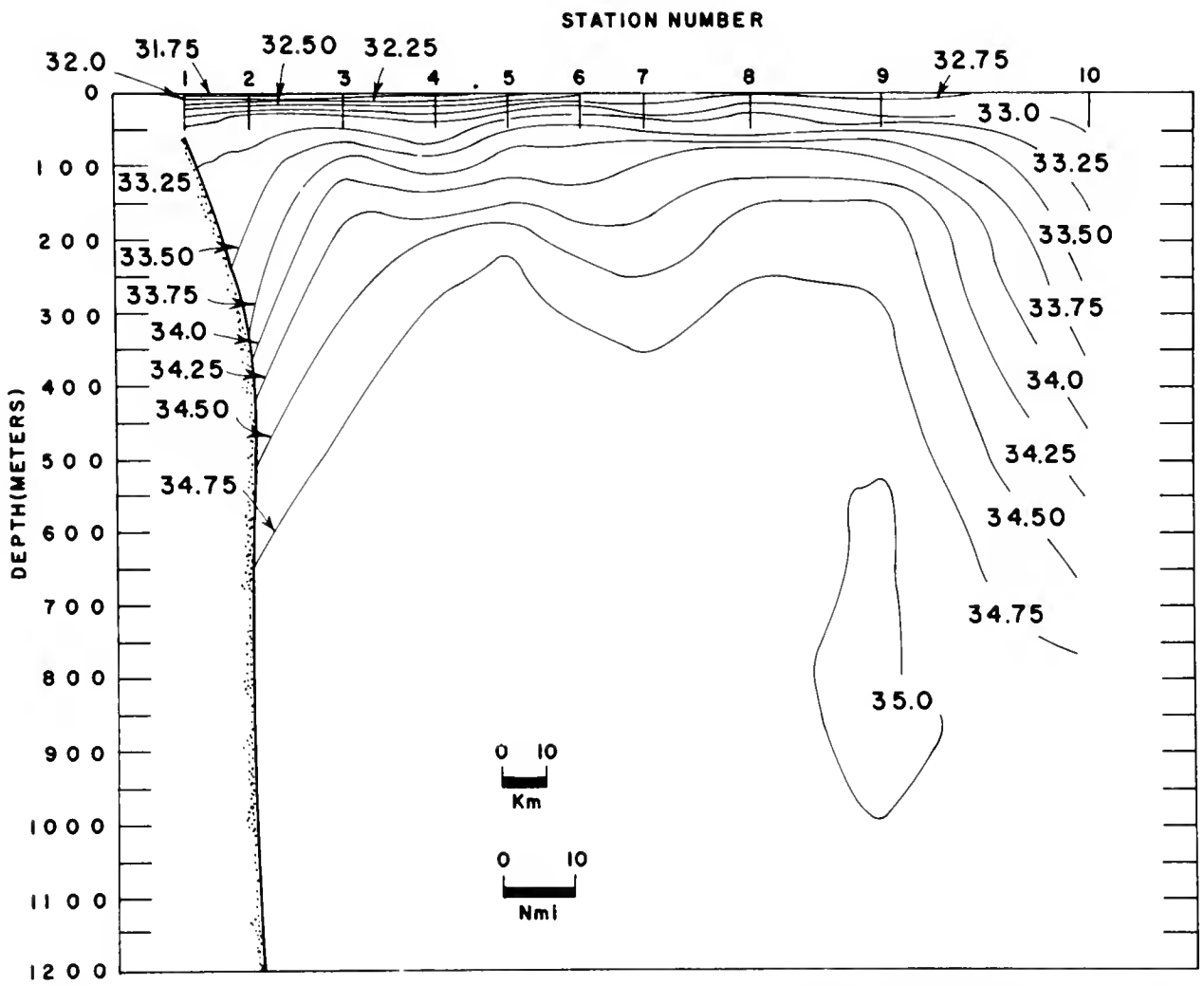


FIGURE 92. Vertical salinity ( $\text{‰}$ ) section, standard section A3-61, occupied by CGC MORGENTHAU, 18-25 July 1973.

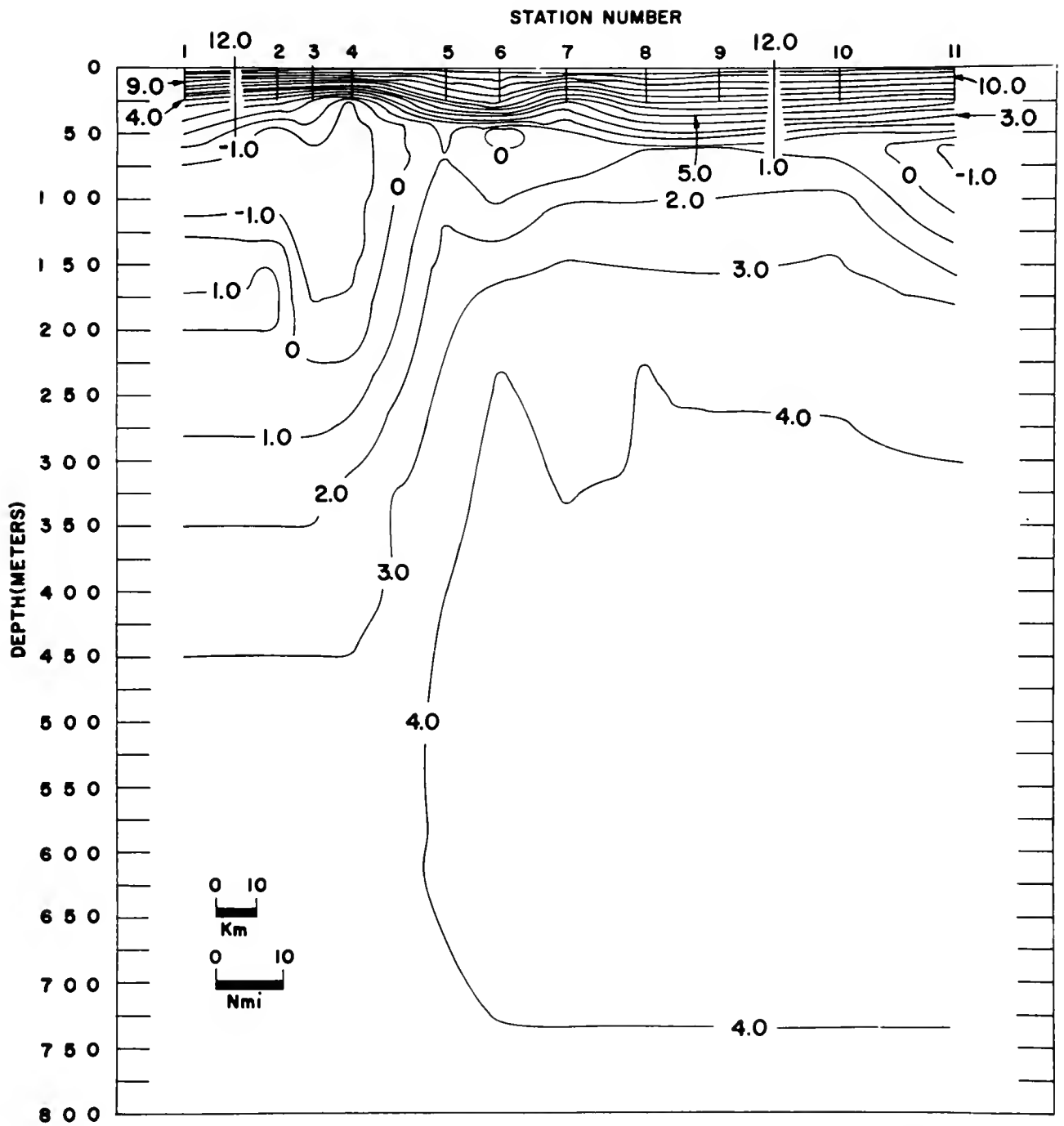


FIGURE 93. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A2-57, occupied by CGC INGHAM, 9-16 August 1973.

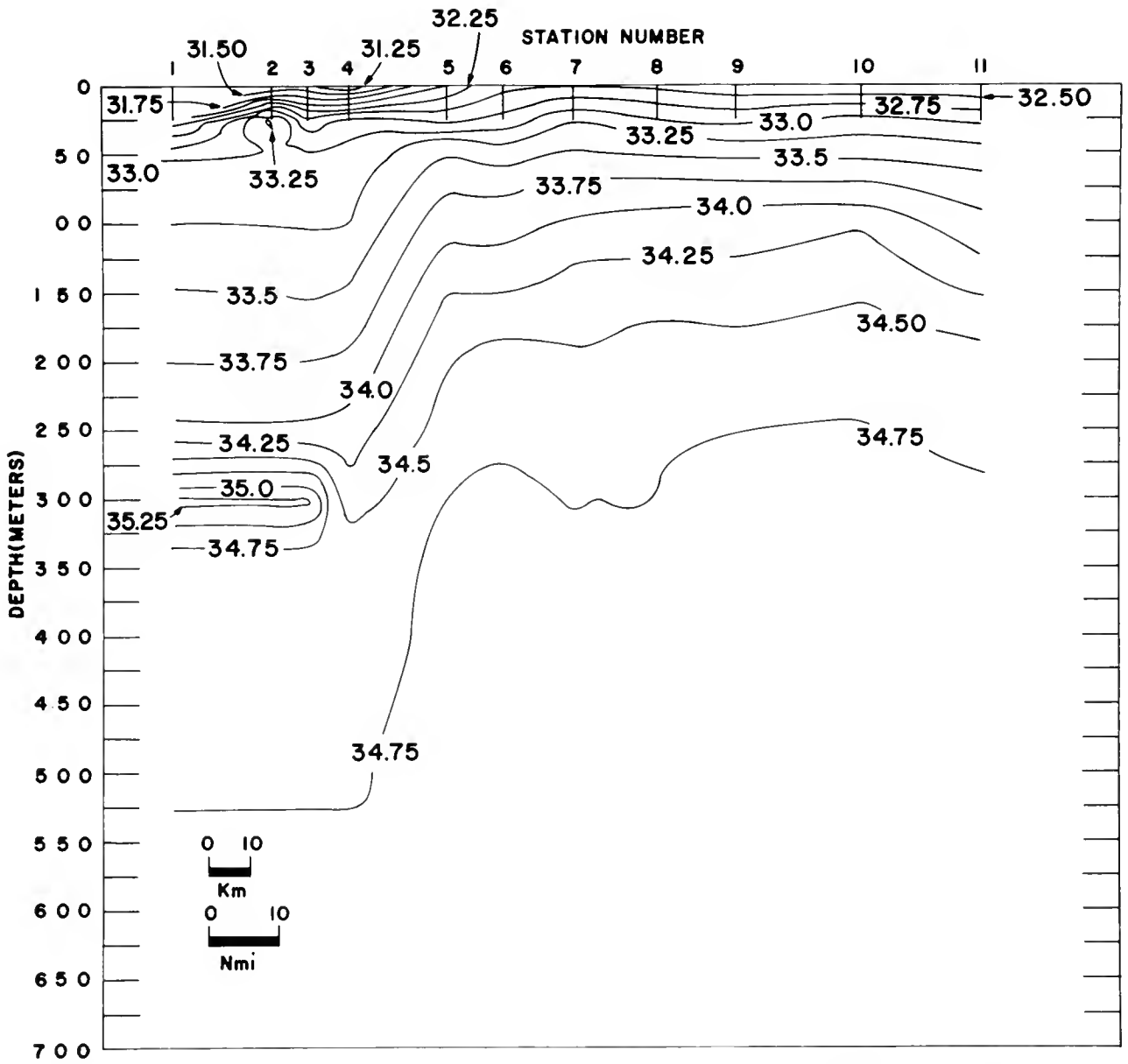


FIGURE 94. Vertical salinity ( $\text{‰}$ ) section, standard section A2-57, occupied by CGC INGHAM, 9-16 August 1973.

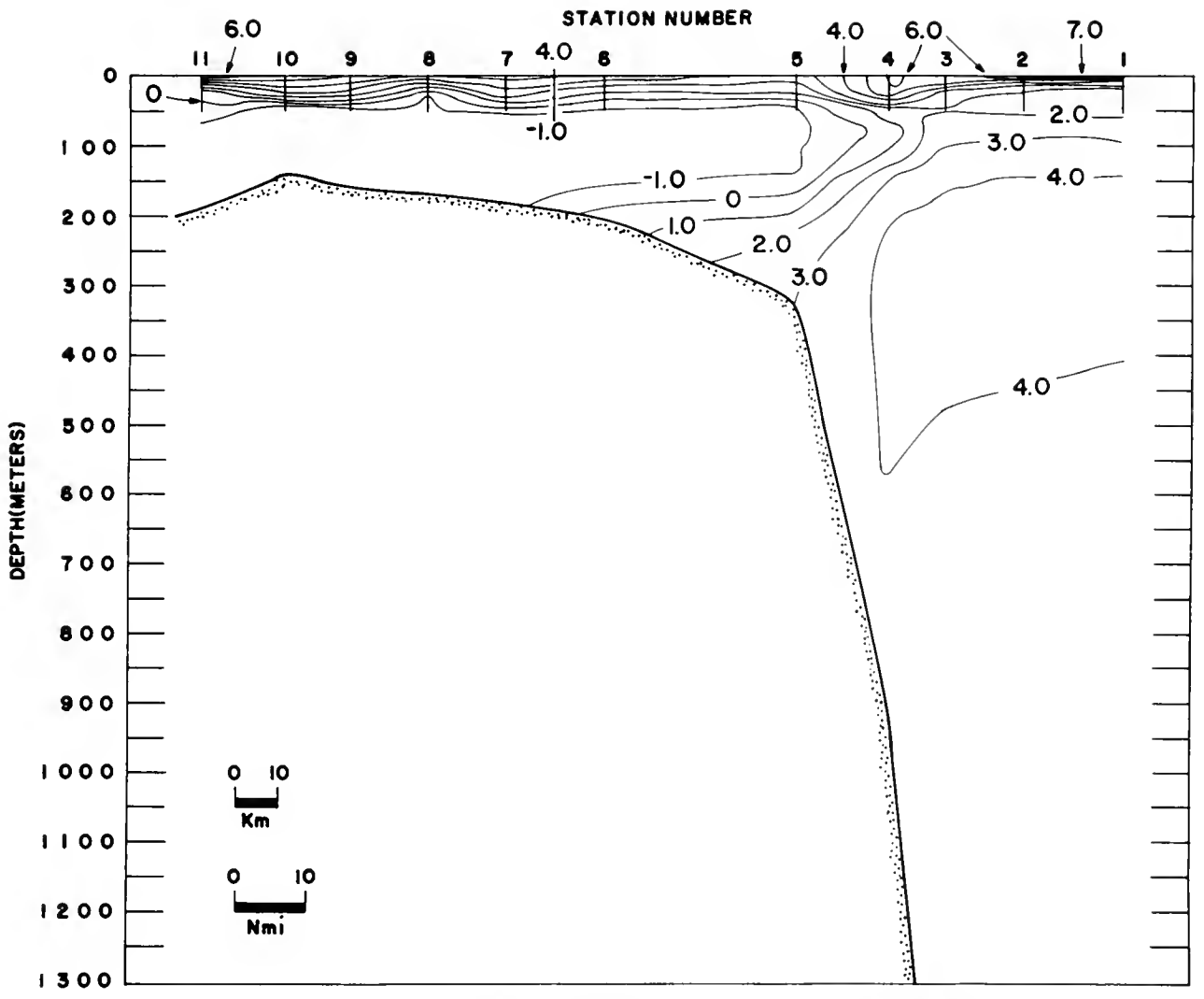


FIGURE 95. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A1-10, occupied by CGC MENDOTA, 10-16 August 1973.

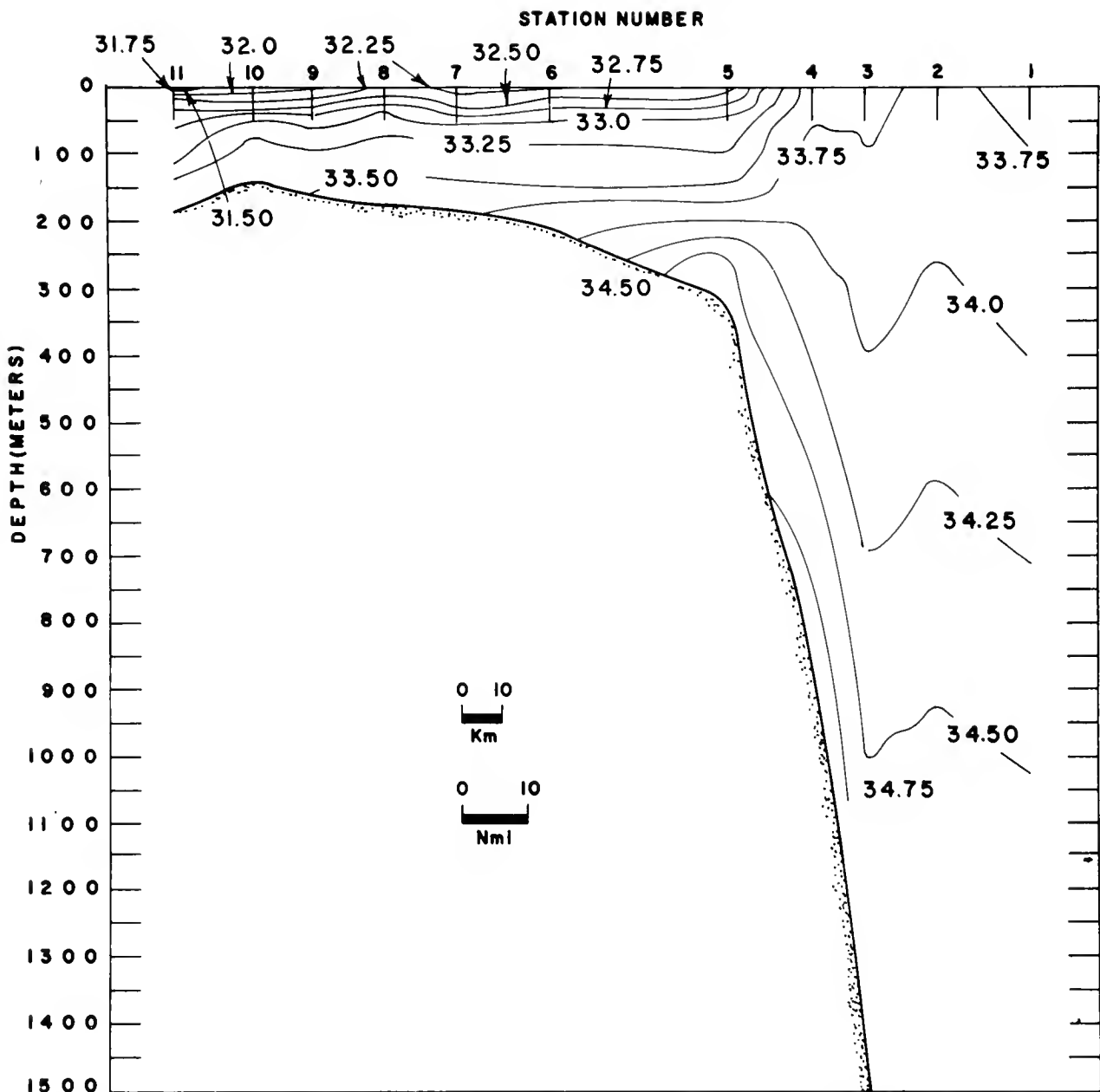


FIGURE 96. Vertical salinity ( $\text{‰}$ ) section, standard section A1-10, occupied by CGC MENDOTA, 10-16 August 1973.

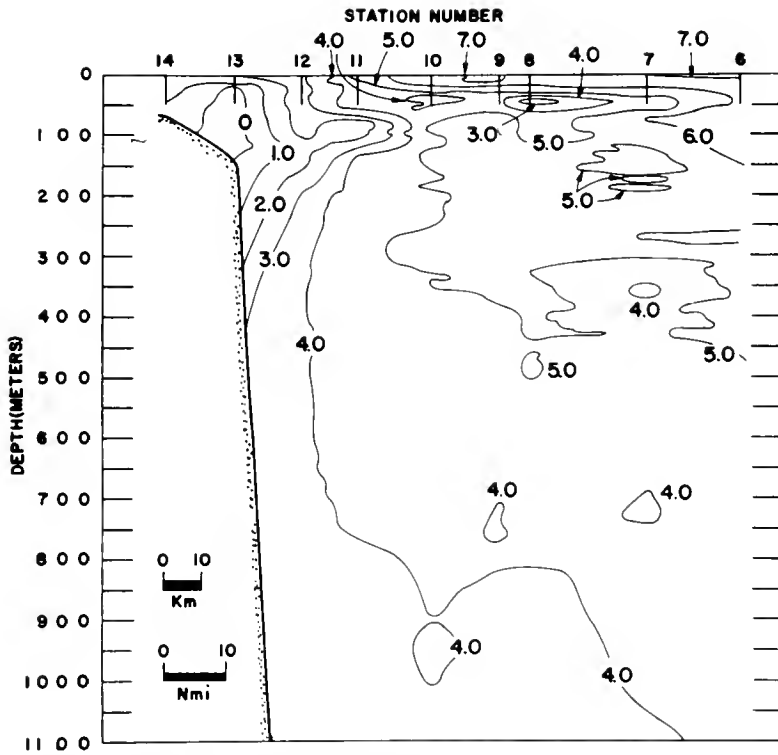


FIGURE 97. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A3-62, occupied by CGC DALLAS, 29 November-1 December 1973.

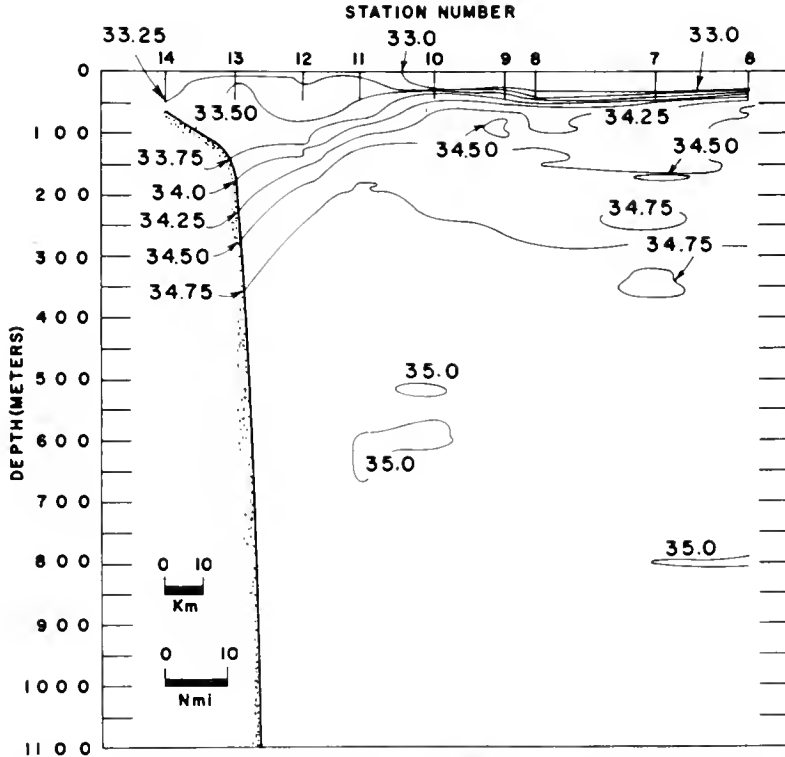


FIGURE 98. Vertical salinity ( $^{\circ}/_{\infty}$ ) section, standard section A3-62, occupied by CGC DALLAS, 29 November-1 December 1973.

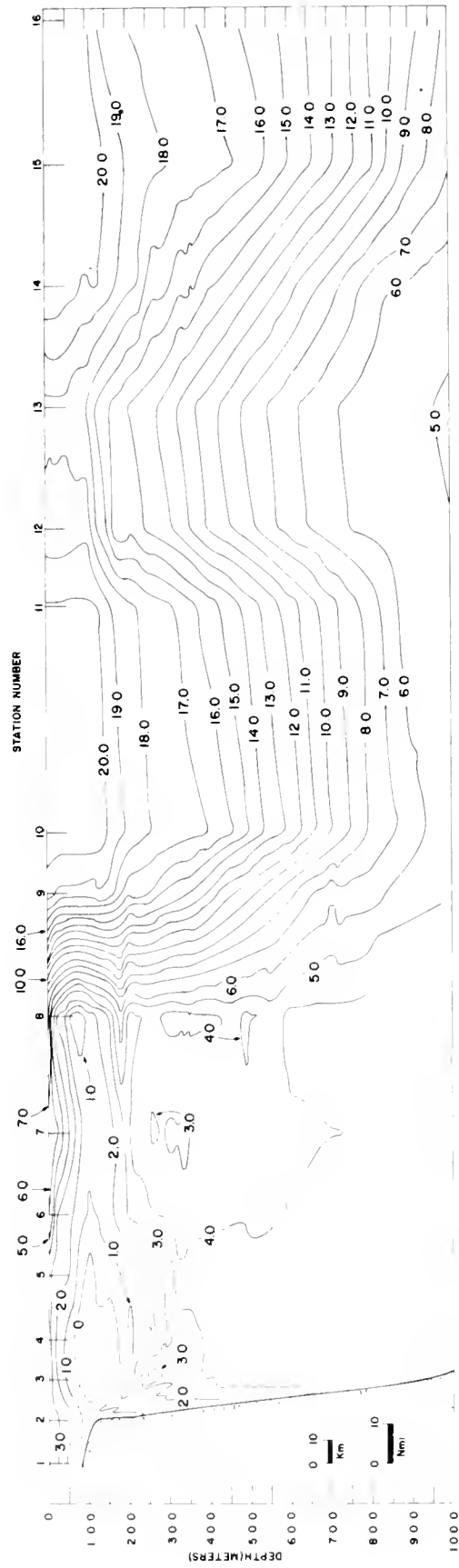


FIGURE 99. Vertical temperature ( $^{\circ}\text{C}$ ) section, standard section A4-29, occupied by CGC HAMILTON, 30 November-2 December 1973.



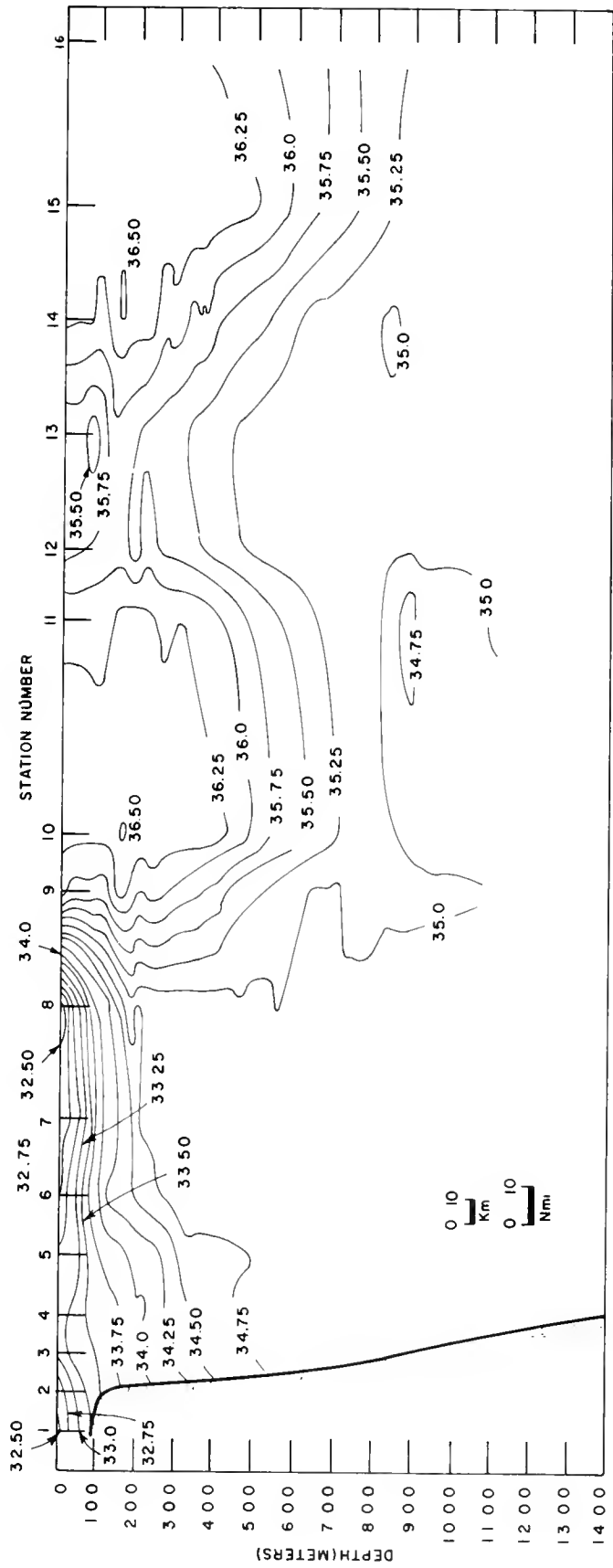


FIGURE 100. Vertical salinity ( $^{\circ}/_{00}$ ) section, standard section A4-29, occupied by CGC HAMILTON, 30 November-2 December 1973.

# APPENDIX A

## OCEANOGRAPHIC DATA

### Cruises Listed

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I. USCGC EVERGREEN, 3-22 April 1973 -----	96
II. USCGC EVERGREEN, 8-28 May 1973 -----	147
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IV. USCGC CAMPBELL (A4-27) 29 January-2 February 1973 -----	375
V. USCGC OWASCO (A3-60) 9-12 March 1973 -----	382
VI. USCGC BOUTWELL (A4-28) 12-18 June 1973 -----	387
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## Codes Utilized

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

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

REFID .....	NODC reference identity number.
CONSEC .....	Consecutive station number.
BOTDP (B) .....	Uncorrected sounding depth in meters.
SHIP (B) .....	NODC assigned platform identity code.
DATA USE .....	Entry 1 identifies DNP data.
AREA .....	NODC ocean area code.
CLOUD T/A (B) .....	Cloud type according to WMO code 0500 and cloud amount according to WMO code 2700.
Wave observations	
DIR .....	Direction from which dominant waves are coming in tens of degrees according to WMO code 0885.
HGT .....	Height of dominant waves according to WMO code 1555.
PER .....	Period of dominant waves according to WMO code 3155.
SEA (B) .....	Sea state according to WMO code 3700.
CL/TR (B) .....	Water color according to forel-Ule code. Transparency in meters as determined by Secchi disc.
WIND DIR (B) .....	Direction from which wind is blowing in tens of degrees according to WMO code 0877.
WIND SPD (B) .....	Wind speed in knots.
WIND FOR (B) .....	Wind force in beaufort code.
WEATHER (B) .....	Weather code—If preceded by letter X is according to WMO code 4501. A numeric two digit entry indicates weather according to WMO code 4677.
INST .....	Instrument used for observation—"Nansen Cast" indicates station consists of Nansen cast data—"STD Recorder" indicates station consists of STD data or a mixture of STD and Nansen cast data.
TRACE DIR (B) .....	"Trace" indicator U (UP), D (DOWN), and A (AVERAGED)—used with STD casts, and specify that data were taken while hoisting or lowering respectively or that the two traces were averaged.
DURATION (B) .....	Time elapsed during raising or lowering of the STD recorder to tenths of hours.
ORIG (B) .....	Originator's reference number in two parts—cruise number or 3 characters (if year of cruise forms part of cruise number years digits may sometimes only be found in "Year" field), and station number.
TEN SQ .....	Ten-degree square—modified Canadian square number.
5 SQUARE .....	Five-degree squares—modified Canadian system.
2 SQUARE .....	Two-degree squares—modified Canadian system.
1 SQUARE .....	One-degree squares—modified Canadian system.
CASTNUM (B) .....	Number of cast on multicast stations (blank when messenger time is given).
TIME (B) .....	Time of release of messenger in hour and tenths for applicable observed levels. If multicast series extends past midnight, 24 hours are added to cast time of next day. Beginning time for STD is given at first obs depth.
LVLTP .....	Type of record at depth indicated. "OBS"—observed values. For STD recorder = level of data read-out. "STD"—NODC standard interpolated values. "ORG"—Standard or other depths carrying non-NODC interpolated values. "LIT"—Interpolated standard depth values used as obs for computational purposes. Note—When an observed level coincides with a STD depth level, both "STD" and "OBS" lines will appear.
DEPTH .....	Depth of sample (or standard level) in whole meters. Prefix "T" indicates thermometrically determined depth (depth of unprotected thermometers). Subscript "Q" indicates that the value is marked doubtful by the originator. A value designated as implausible by NODC is marked with a "P". Postscript "Z" indicates uncorrected and inaccurate 'Wire-out' depths (high wire angle present).
TEMP (B) .....	Temperature in degrees celsius. For 'Q' and 'P' notation see depth field.
SAL (B) .....	Salinity in parts per thousand. For 'Q' and 'P' notation see depth field.
SIGMA-T (B) .....	Seawater density anomaly to 2 decimal places. When depth, temp, or salinity is doubtful, a 'Q' is suffixed. An asterisk indicates a decrease of 0.02 or more from the previous level.
DYNDPTH .....	Dynamic depth anomaly in dynamic meters to millimeters.
SND VEL (B) .....	Sound velocity in meters per second to decimeters according to Wilson's formula. (A standard depth-pressure term is used for stations not beginning at the surface).
OXYG (B) .....	Oxygen in ML/L to hundredths.

TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.

N O D C S T A T I O N D A T A

REFID 21 8355 YEAR 1973 BOTOP 00060 AIR TEMP 07.8 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1307  
 CONSEC 0001 MONTH 04 SHIP EV WET BULB 07.0 24 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 1  
 LAT +3 15 N DAY 07 DATA USE 1 BARMETR 0958.6 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 20 W HOUR 14.5 AREA 05 CLOUD T/A CL/TR WEATHER X4.1 ORIG 011 186 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	DRYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.12	32.71	26.22	00.000	1451.2							
14.5	085	00001	01.12	32.707	26.22		1451.2							
	085	00003	01.10	32.687	26.20		1451.1							
	085	00007	00.44	32.695	26.25		1448.2							
	085	00009	00.21	32.727	26.29		1447.3							
	STD	00010	00.20	32.72	26.28	00.010	1447.2							
	085	00011	00.16	32.715	26.28		1447.0							
	STD	00020	- 0.12	32.77	26.34	00.035	1446.0							
	085	00020	- 0.14	32.772	26.34		1445.9							
	STD	00030	- 0.27	32.77	26.34	00.052	1445.4							
	085	00030	- 0.28	32.775	26.34		1445.4							
	STD	00050	- 0.65	32.65	26.42	00.085	1444.1							
	085	00051	- 0.68	32.660	26.43		1444.0							

\*\*\*\*\*

REFID 31 8355 YEAR 1973 BOTOP 00077 AIR TEMP 05.8 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1307  
 CONSEC 0002 MONTH 04 SHIP EV WET BULB 05.8 21 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 1  
 LAT +3 10 N DAY 07 DATA USE 1 BARMETR 0957.2 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 20 W HOUR 15.8 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 187 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	DRYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.06	32.90	26.38	00.000	1451.2							
15.8	085	00000	01.06	32.900	26.38		1451.2							
	STD	00010	- 0.89	33.01	26.56	00.010	1442.6							
	085	00010	- 0.89	33.010	26.56		1442.6							
	085	00015	- 1.01	33.030	26.58		1442.1							
	STD	00020	- 1.01	33.03	26.58	00.030	1442.2							
	085	00020	- 1.01	33.030	26.58		1442.2							
	STD	00030	- 1.05	33.03	26.58	00.045	1442.2							
	085	00030	- 1.05	33.030	26.58		1442.2							
	085	00035	- 1.18	33.060	26.61		1441.7							
	STD	00050	- 1.28	33.10	26.64	00.074	1441.5							
	085	00050	- 1.28	33.100	26.64		1441.5							
	085	00055	- 1.31	33.110	26.65		1441.5							

\*\*\*\*\*

REFID 31 8355 YEAR 1973 BOTOP 00123 AIR TEMP 11.2 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1307  
 CONSEC 0003 MONTH 04 SHIP EV WET BULB 09.5 10 2 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 1  
 LAT +3 03 N DAY 07 DATA USE 1 BARMETR 0957.2 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 21 W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 188 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	DRYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.35	33.26	26.71	00.000	1448.5							
17.0	085	00005	00.35	33.260	26.71		1448.6							
	STD	00010	00.35	33.26	26.71	00.013	1448.6							
	085	00011	00.35	33.260	26.71		1448.7							
	085	00015	00.14	33.260	26.72		1447.8							
	085	00019	- 0.52	33.240	26.75		1442.9							
	STD	00020	- 0.55	33.24	26.75	00.027	1442.6							
	085	00020	- 1.05	33.250	26.76		1442.3							
	STD	00030	- 1.19	33.38	26.87	00.039	1442.0							
	085	00030	- 1.20	33.390	26.88		1442.0							
	085	00032	- 1.16	33.410	26.89		1442.2							
	085	00034	00.61	33.500	26.89		1450.6							
	085	00036	00.62	33.510	26.85		1450.6							
	085	00040	00.86	33.520	26.85		1451.8							
	085	00045	01.15	33.550	26.93		1453.4							
	STD	00050	01.15	33.60	26.93	00.062	1453.4							
	085	00051	01.16	33.610	26.94		1453.5							
	085	00062	01.55	33.660	26.95		1455.5							
	085	00066	02.53	33.780	26.97		1460.0							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 6355 YEAR 1973 BOTOP 00219 AIR TEMP 05.8 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEM SG 1507  
 CONSEC 0034 MONTH 04 SHIP EV WET BULB 07.6 22 3 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 1  
 LAT 42 56 N DAY 07 DATA USE 1 BAROMETR 0997.9 SEA MIND-FOR DURATION 2 SQUARE 20  
 LONG 050 17 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER 12 ORIG 011 189 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.9	08S	00020	02.53	33.740	26.94		1459.2							
	08S	00026	02.61	33.730	26.93		1459.6							
	STO	00030	02.64	33.74	26.93		1459.8							
	08S	00033	02.65	33.740	26.93		1459.9							
	08S	00034	02.74	33.750	26.93		1460.3							
	08S	00043	03.62	33.860	26.94		1464.4							
	STO	00050	03.78	33.94	26.98		1465.3							
	08S	00051	03.62	33.950	26.99		1465.5							
	08S	00074	04.73	34.070	26.99		1469.9							
	STO	00075	04.79	34.09	27.00		1470.2							
	08S	00076	05.02	34.140	27.01		1471.2							
	08S	00079	05.15	34.140	27.03		1471.8							
	08S	00087	06.11	34.290	27.00		1476.0							
	08S	00093	06.16	34.290	26.99		1476.5							
	08S	00099	06.54	34.410	27.04		1478.1							
	STO	00100	06.56	34.42	27.04		1478.2							
	08S	00100	06.59	34.430	27.05		1478.5							
	08S	00106	07.02	34.500	27.04		1480.3							
	STO	00125	07.13	34.50	27.03		1481.3							
	08S	00146	07.28	34.510	27.01		1481.9							
	STO	00150	07.25	34.50	27.01		1481.8							
	08S	00150	07.24	34.500	27.01		1481.8							
	08S	00156	07.07	34.490	27.03		1481.2							
	08S	00158	06.77	34.500	27.08		1480.1							
	08S	00169	06.79	34.500	27.07		1480.3							

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REFID 31 6355 YEAR 1973 BOTOP 00320 AIR TEMP 08.6 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEM SG 1507  
 CONSEC 0005 MONTH 04 SHIP EV WET BULB 05.9 24 1 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 1  
 LAT 42 53 N DAY 07 DATA USE 1 BAROMETR 0998.9 SEA MIND-FOR DURATION 2 SQUARE 20  
 LONG 050 20 W HOUR 19.3 AREA 05 CLOUD T/A CL/TR WEATHER 11 ORIG 011 190 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.3	STO	00000	09.97	34.64	26.70	00.000	1469.8							
	08S	00000	09.97	34.640	26.70		1469.9							
	STO	00010	10.09	34.73	26.75	00.013	1490.5							
	08S	00011	10.13	34.750	26.75		1490.7							
	STO	00020	10.51	34.87	26.78	00.026	1492.4							
	08S	00020	10.55	34.680	26.78		1492.6							
	STO	00030	10.66	34.98	26.80	00.039	1493.9							
	08S	00030	10.87	34.980	26.80		1494.0							
	STO	00050	10.95	34.97	26.78	00.065	1494.6							
	08S	00051	10.96	34.970	26.78		1494.6							
	08S	00055	10.98	35.080	26.86		1494.9							
	08S	00059	11.25	35.120	26.84		1496.0							
	STO	00075	11.40	35.11	26.81	00.096	1496.7							
	08S	00076	11.40	35.110	26.81		1496.8							
	08S	00085	11.37	35.100	26.80		1496.8							
	08S	00089	11.17	35.080	26.83		1496.1							
	08S	00099	09.96	34.850	26.86		1491.7							
	STO	00100	09.86	34.84	26.67	00.127	1491.3							
	08S	00100	09.77	34.830	26.88		1491.0							
	08S	00106	09.64	34.840	26.91		1493.6							
	08S	00108	09.39	34.750	26.88		1489.6							
	08S	00112	09.24	34.750	26.90		1485.1							
	08S	00116	09.35	34.790	26.92		1489.6							
	08S	00119	08.10	34.590	26.95		1485.0							
	08S	00123	08.06	34.630	26.99		1484.7							
	STO	00125	07.79	34.58	27.00	00.154	1483.6							
	08S	00131	06.72	34.390	27.00		1479.3							
	08S	00135	06.25	34.290	26.98		1477.4							
	08S	00146	05.60	34.260	27.04		1474.9							
	STO	00150	05.46	34.28	27.08	00.163	1474.4							
	08S	00150	05.43	34.290	27.08		1474.3							
	08S	00159	05.36	34.290	27.09		1474.2							
	08S	00169	05.51	34.290	27.07		1474.9							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O B C S T A T I O N D A T A

REFID 21 8555 YEAR 1973 BOTOP 00713 AIR TEMP 13.5 DIR NGT PER WIND-DIR 26 INST STO RECORDER TEN SO 1507  
 CONSEC 0036 MONTH 04 \$HIP EV MET BULB 09.8 #11 3 3 WIND-SPO 14 TRACE DIR 0 5 SQUARE 1  
 LAT 42 47 N DAY 07 DATA USE 1 BAROMETR 0998.9 SEA DURATION 2 SQUARE 20  
 LGNG 050 10 W HOUR 20.5 AREA 05 CLOUD T/A CL/TR WEATHER #1 DRIG 011 191 1 SQUARE 20

LASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	ORYG	PC4	TOT P	NO2	NO3	SI03	PH
20.5	STO	00000	10.14	34.74	26.74	00.000	1490.6							
	OBS	00005	10.14	34.740	26.74		1490.7							
	STO	00010	10.14	34.74	26.74	00.013	1490.7							
	OBS	00011	10.14	34.740	26.74		1490.8							
	STO	00020	10.44	34.84	26.77	00.026	1492.1							
	OBS	00022	10.51	34.850	26.77		1492.4							
	STO	00030	10.60	34.85	26.75	00.039	1492.4							
	OBS	00030	10.61	34.850	26.75		1492.9							
	STO	00050	10.70	34.96	26.81	00.065	1493.7							
	OBS	00051	10.71	34.960	26.82		1493.7							
	STO	00075	10.94	34.99	26.80	00.047	1495.0							
	OBS	00076	10.95	34.990	26.80		1495.0							
	STO	00100	11.39	35.10	26.80	00.126	1497.1							
	OBS	00102	11.41	35.110	26.80		1497.2							
	OBS	00119	11.55	35.110	26.82		1497.3							
	OBS	00123	09.67	34.740	26.82		1490.9							
	STU	00125	09.55	34.71	26.82	00.160	1490.4							
	OBS	00129	09.23	34.640	26.82		1489.2							
	OBS	00135	08.97	34.640	26.86		1488.3							
	OBS	00139	08.35	34.630	26.95		1486.1							
	OBS	00140	08.39	34.620	26.44		1486.2							
	OBS	00146	08.75	34.770	27.00		1487.8							
	STO	00150	08.85	34.81	27.02	00.190	1486.4							
	OBS	00152	08.84	34.850	27.02		1488.5							
	OBS	00163	08.35	34.730	27.05		1486.6							
	OBS	00171	07.92	34.640	27.02		1485.0							
	OBS	00175	07.86	34.640	27.03		1484.8							
	OBS	00180	07.06	34.490	27.03		1481.6							
	OBS	00184	06.84	34.480	27.05		1480.8							
	OBS	00184	06.44	34.430	27.07		1479.2							
	OBS	00194	06.29	34.390	27.05		1478.6							
	OBS	00194	05.84	34.380	27.10		1476.9							
	STO	00200	05.84	34.40	27.12	00.241	1477.1							
	OBS	00201	05.90	34.420	27.13		1477.2							
	OBS	00207	05.90	34.450	27.14		1477.3							
	OBS	00213	06.38	34.500	27.13		1479.4							
	OBS	00226	06.55	34.620	27.20		1460.7							
	OBS	00230	07.37	34.770	27.21		1484.0							
	STO	00250	07.68	34.85	27.23	00.288	1485.6							
	OBS	00251	07.70	34.860	27.23		1485.7							
	OBS	00276	07.87	34.960	27.28		1486.9							
	STO	00300	07.94	34.99	27.29	00.332	1487.6							
	OBS	00300	07.94	34.990	27.30		1487.6							
	OBS	00306	07.73	34.960	27.30		1486.9							
	OBS	00314	05.72	34.630	27.32		1478.6							
	OBS	00350	05.21	34.630	27.38		1477.1							
	OBS	00365	04.91	34.630	27.41		1476.2							
	OBS	00371	05.19	34.740	27.47		1477.6							
	OBS	00376	05.31	34.760	27.47		1476.2							
	OBS	00382	05.02	34.740	27.49		1477.0							
	OBS	00390	04.87	34.730	27.50		1476.5							
	OBS	00394	05.48	34.840	27.51		1475.2							
	STO	00400	05.60	34.85	27.51	00.406	1479.9							
	OBS	00413	05.69	34.860	27.50		1480.4							
	OBS	00451	04.52	34.770	27.57		1476.2							
	OBS	00454	04.40	34.770	27.58		1475.7							
	OBS	00481	04.71	34.620	27.59		1477.5							
	STO	00500	04.47	34.84	27.65	00.464	1476.8							
	OBS	00500	04.46	34.840	27.63		1476.8							
	OBS	00550	04.12	34.840	27.67		1476.2							
	STO	00600	04.07	34.84	27.67	00.514	1476.8							
	OBS	00601	04.07	34.840	27.67		1476.9							
	OBS	00673	04.05	34.860	27.69		1478.0							
	STO	00700	04.05	34.93	27.75	00.560	1478.5							
	OBS	00700	04.05	34.930	27.75		1478.5							
	OBS	00702	04.04	34.930	27.75		1478.5							
	OBS	00706	04.04	34.930	27.75		1478.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N D D C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 01910 ATR TEMP 10.5 DIR MGT PER WIND-DIR 27 INST STD RECORDER TEN 50 1207  
 CONSEC 0007 MONTH 04 SHIP EV MET BULB 08.5 10 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 1  
 LAT 42 30 N DAY 07 DATA USE 1 BAROMETR 1000.4 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 150 23 W HOUR 23.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 192 1 SQUARE 20

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
23.0	STD	00000	04.21	33.11	26.29	00.000	1465.2							
	OBS	00005	04.21	33.110	26.29		1465.3							
	STD	00010	04.07	33.27	26.43	00.017	1465.0							
	OBS	00011	04.02	33.310	26.46		1464.9							
	OBS	00015	04.43	33.420	26.49		1467.7							
	STD	00020	04.50	33.39	26.48	00.033	1467.1							
	OBS	00020	04.48	33.380	26.47		1467.0							
	OBS	00028	07.99	34.070	26.57		1482.1							
	STD	00030	08.16	34.12	26.58	00.048	1482.9							
	OBS	00034	08.78	34.310	26.63		1485.6							
	OBS	00047	09.41	34.620	26.77		1488.5							
	OBS	00349	09.40	34.650	26.76		1488.8							
	STD	00050	09.52	34.66	26.79	00.075	1489.0							
	OBS	00057	10.00	34.770	26.79		1491.0							
	OBS	00060	09.98	34.740	26.79		1491.0							
STD	00075	10.39	34.87	26.81	00.107	1492.9								
OBS	00081	10.47	34.910	26.82		1493.3								
OBS	00087	10.46	34.530	26.83		1493.5								
STD	00100	10.76	34.59	26.83	00.135	1494.7								
OBS	00100	10.78	34.990	26.83		1494.8								
STD	00125	08.68	34.55	26.83	00.170	1487.0								
OBS	00131	07.50	34.420	26.85		1484.1								
OBS	00139	06.50	34.260	26.87		1480.0								
OBS	00144	04.87	33.930	26.86		1471.4								
OBS	00148	05.09	34.220	27.07		1472.8								
STD	00150	05.22	34.25	27.08	00.158	1473.4								
OBS	00150	05.71	34.370	27.11		1475.6								
OBS	00159	06.00	34.420	27.12		1476.9								
OBS	00173	08.12	34.780	27.10		1485.9								
OBS	00175	08.04	34.790	27.12		1485.7								
OBS	00186	07.56	34.840	27.17		1485.6								
OBS	00190	07.70	34.770	27.16		1484.6								
STD	00200	07.84	34.84	27.19	00.246	1485.4								
OBS	00201	07.87	34.840	27.19		1485.5								
OBS	00203	07.85	34.840	27.19		1485.5								
OBS	00217	07.35	34.760	27.20		1485.6								
OBS	00230	07.17	34.840	27.29		1483.3								
OBS	00236	07.56	34.970	27.28		1486.6								
OBS	00237	08.02	34.980	27.28		1486.6								
OBS	00243	07.72	34.910	27.27		1485.7								
STD	00250	07.75	34.94	27.29	00.291	1486.0								
OBS	00251	07.76	34.950	27.25		1486.1								
OBS	00260	07.56	34.580	27.34		1485.5								
OBS	00276	07.65	34.980	27.33		1486.1								
STD	00300	07.37	34.97	27.36	00.331	1485.4								
OBS	00302	07.35	34.970	27.37		1485.3								
OBS	00317	07.26	34.970	27.36		1485.2								
OBS	00325	06.61	34.850	27.37		1482.7								
OBS	00371	04.91	34.630	27.41		1476.3								
OBS	00367	04.54	34.680	27.50		1475.2								
STD	00400	04.67	34.70	27.50	00.401	1475.8								
OBS	00407	04.96	34.760	27.51		1477.2								
OBS	00418	04.56	34.780	27.53		1477.4								
OBS	00424	04.81	34.770	27.54		1476.9								
OBS	00434	05.07	34.840	27.56		1478.2								
OBS	00464	05.24	34.830	27.53		1479.4								
STD	00500	05.13	34.84	27.56	00.463	1479.6								
OBS	00500	05.13	34.850	27.56		1479.6								
OBS	00508	05.66	34.570	27.59		1482.0								
OBS	00552	05.29	34.560	27.63		1481.2								
OBS	00559	05.23	34.990	27.66		1481.2								
OBS	00573	04.95	34.540	27.65		1480.2								
STD	00600	05.04	34.97	27.67	00.519	1481.0								
OBS	00601	05.04	34.570	27.67		1481.1								
OBS	00651	04.91	34.590	27.70		1481.4								
STD	00700	04.63	34.97	27.72	00.567	1481.0								
OBS	00702	04.62	34.570	27.72		1481.0								
OBS	00750	04.69	34.580	27.72		1482.1								
STD	00800	04.45	34.59	27.75	00.615	1481.0								
OBS	00801	04.45	34.590	27.75		1482.0								
OBS	00852	04.41	34.580	27.75		1482.8								
STD	00900	04.31	34.58	27.76	00.657	1483.0								
OBS	00906	04.30	34.580	27.76		1483.1								
OBS	00951	04.28	34.590	27.77		1483.8								
STD	01000	04.21	34.98	27.77	00.701	1484.3								
OBS	01001	04.21	34.980	27.77		1484.3								
OBS	01010	04.21	34.980	27.77		1484.4								

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REF ID: 31 8559 YEAR: 1973 BOTOP: 05017 AIR TEMP: 04.5 OIR HGT PER: WIND-DIR: INST STO RECORDER: TEN SJ 1507  
 CONSEC: 0008 MONTH: 04 SHIP EV: MET GULB: 03.2 29 3 4 WIND-SPO: TRACE OIR: 0 5 SQUARE 1  
 LAT: +2 13 N DAY: 08 DATA USE: 1 BAROMETER: 1003.5 SEA: WIND-FOR: DURATION: 2 SQUARE 20  
 LONG: 050 24 W HOUR: 02.9 AREA: 05 CLOUD T/A: CL/TR: WEATHER: AJ ORIG: 011 193 1 SQUARE 20

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.9	STO	00000	12.18	35.32	26.82	00.000	1498.5							
	085	00005	12.18	35.320	26.82		1498.6							
	STO	00010	12.16	35.30	26.81	00.012	1498.6							
	085	00011	12.15	35.260	26.80		1498.5							
	085	00017	11.56	35.120	26.76		1496.4							
	STO	00020	11.47	35.12	26.80	00.025	1496.1							
	085	00020	11.45	35.120	26.80		1496.1							
	085	00028	11.45	35.170	26.84		1496.2							
	STO	00030	11.63	35.22	26.85	00.037	1497.0							
	085	00030	11.68	35.240	26.85		1497.2							
	085	00036	11.78	35.250	26.84		1497.6							
	085	00041	11.53	35.130	26.83		1496.0							
	STO	00050	11.13	35.13	26.87	00.062	1495.4							
	085	00051	11.09	35.130	26.88		1495.3							
	085	00057	11.66	35.300	26.91		1497.6							
	085	00060	11.63	35.320	26.93		1497.6							
	085	00068	12.14	35.440	26.92		1499.6							
	085	00074	12.30	35.460	26.91		1500.3							
	STO	00075	12.29	35.46	26.91	00.091	1500.3							
	085	00075	12.00	35.430	26.93		1499.5							
	085	00093	10.15	34.990	26.94		1492.4							
	085	00099	08.99	34.810	26.99		1488.0							
	STO	00100	08.66	34.74	26.99	00.120	1488.7							
	085	00112	06.72	34.390	27.00		1479.3							
	085	00114	06.77	34.420	27.01		1475.3							
	085	00116	07.15	34.480	27.01		1482.9							
	STO	00125	07.11	34.47	27.00	00.147	1480.8							
	085	00127	07.10	34.460	27.00		1480.8							
	085	00135	06.00	34.280	27.01		1476.3							
	085	00137	05.97	34.290	27.02		1476.3							
	085	00140	06.10	34.300	27.00		1477.2							
	085	00142	06.18	34.330	27.02		1477.3							
	085	00146	05.70	34.280	27.04		1475.3							
	STO	00150	05.59	34.26	27.04	00.174	1474.9							
	085	00150	05.57	34.260	27.04		1474.8							
	085	00163	04.27	34.060	27.03		1469.4							
	085	00165	04.21	34.070	27.05		1469.2							
	085	00184	05.72	34.280	27.04		1476.0							
	085	00190	05.94	34.240	27.03		1475.3							
	085	00194	04.87	34.140	27.03		1472.5							
	STO	00200	04.84	34.16	27.05	00.226	1472.5							
	085	00201	04.83	34.160	27.05		1472.5							
	085	00226	04.53	34.100	27.04		1471.6							
	085	00232	04.57	34.230	27.14		1472.0							
	085	00239	07.29	34.650	27.12		1483.7							
	085	00243	07.92	34.770	27.13		1486.3							
	085	00247	08.20	34.640	27.14		1487.5							
	STO	00250	08.24	34.84	27.13	00.277	1487.7							
	085	00251	06.32	34.840	27.12		1488.1							
	085	00255	06.78	34.960	27.14		1490.0							
	085	00264	08.28	34.860	27.14		1488.2							
	085	00276	08.15	34.830	27.14		1487.8							
	085	00279	06.12	34.840	27.15		1487.8							
	085	00281	07.76	34.760	27.14		1486.3							
	085	00289	07.50	34.760	27.20		1485.5							
	STO	00300	06.42	34.57	27.21	00.325	1489.4							
	085	00300	06.47	34.580	27.21		1489.6							
	085	00325	06.44	35.030	27.25		1489.9							
	085	00350	07.62	34.950	27.34		1487.2							
	085	00361	07.99	34.940	27.32		1487.2							
	085	00369	06.86	34.940	27.41		1484.5							
	085	00395	06.76	34.950	27.43		1484.5							
	STO	00400	06.25	34.87	27.44	00.406	1482.5							
	085	00401	06.09	34.850	27.44		1481.8							
	085	00418	05.50	34.780	27.46		1479.6							
	085	00422	05.82	34.850	27.48		1481.1							
	085	00426	05.88	34.830	27.48		1480.6							
	085	00437	05.66	34.840	27.46		1481.6							
	085	00445	05.28	34.840	27.54		1479.3							
	085	00453	05.33	34.840	27.53		1475.6							
	085	00456	05.48	34.850	27.52		1480.3							
	085	00470	06.00	34.530	27.52		1482.7							
	085	00479	05.65	34.890	27.53		1481.4							
	085	00487	05.01	34.840	27.57		1478.9							
	STO	00500	04.65	34.84	27.59	00.470	1476.4							
	085	00500	04.84	34.840	27.59		1478.4							
	085	00550	04.64	34.640	27.61		1478.4							
	085	00569	04.79	34.900	27.64		1475.4							
	085	00574	05.18	34.970	27.65		1481.2							
	STO	00600	05.01	34.97	27.67	00.524	1480.9							
	085	00601	05.00	34.970	27.67		1480.9							
	085	00651	04.73	34.960	27.70		1480.6							
	STO	00700	04.91	34.98	27.65	00.574	1482.2							
	085	00700	04.91	34.980	27.65		1482.2							
	085	00751	04.66	34.950	27.73		1482.0							
	STO	00800	04.55	34.95	27.74	00.621	1482.4							
	085	00803	04.55	34.950	27.74		1482.4							
	085	00854	04.53	34.990	27.74		1483.2							
	STO	00900	04.37	34.97	27.74	00.666	1483.2							
	085	00930	04.36	34.970	27.75		1483.2							
	085	00960	04.27	34.970	27.76		1484.2							
	STO	01000	04.25	34.98	27.76	00.711	1484.4							
	085	01001	04.25	34.980	27.77		1484.4							
	085	01016	04.26	34.980	27.76		1484.7							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N D A T A

REF ID A1 8355 YEAR 1973 BOTOP 03658 AIR TEMP 07.0 OIR HGT PER WIND-OIR 36 INST STD RECORDER TEM SO 1307  
 CONSEC 0009 MONTH 04 SHIP EV WET BULB 06.0 23 4 4 WIND-SPO 15 TRACE DIR 0 5 SJJARE 1  
 LAT 41 55 N DAY 08 DATA USE 1 BAROMETR 1004.1 SEA CL/TR WIND-FOR DURATION 2 SJJARE 00  
 LONG 050 14 W HOUR 08.2 AREA 05 CLOUD T/A WEATHER X6 DRIG 011 194 1 SJJARE 10

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
08.2	06S	00011	12.07	35.200	26.75		1498.2							
	STO	00020	12.01	35.18	26.75		1498.1							
	08S	00020	12.01	35.180	26.75		1498.1							
	STO	00030	12.00	35.18	26.75		1498.2							
	STO	00050	11.99	35.19	26.76		1498.5							
	08S	00055	11.99	35.190	26.76		1498.6							
	STO	00075	12.01	35.18	26.75		1499.0							
	08S	00085	12.02	35.180	26.74		1499.2							
	STO	00100	11.75	35.19	26.80		1498.5							
	08S	00100	11.73	35.190	26.81		1498.4							
	08S	00106	11.79	35.200	26.80		1498.7							
	08S	00114	11.41	35.120	26.81		1497.4							
	08S	00118	11.36	35.130	26.83		1497.4							
	08S	00121	11.76	35.230	26.83		1498.9							
	STO	00125	11.78	35.23	26.83		1499.1							
	08S	00127	11.83	35.230	26.82		1499.3							
	08S	00133	12.04	35.350	26.87		1500.2							
	08S	00140	12.65	35.530	26.89		1502.7							
	STO	00150	12.53	35.52	26.91		1502.4							
	08S	00150	12.55	35.520	26.91		1502.4							
	08S	00178	12.27	35.500	26.94		1502.0							
	STO	00200	11.75	35.45	27.00		1500.5							
	08S	00201	11.70	35.440	27.01		1500.3							
	08S	00217	11.18	35.320	27.01		1498.6							
	08S	00226	10.73	35.250	27.04		1497.0							
	08S	00237	10.23	35.190	27.08		1495.4							
	08S	00245	06.46	34.840	27.10		1488.6							
	STO	00250	06.45	34.84	27.10		1488.5							
	08S	00251	06.42	34.840	27.10		1488.4							
	08S	00276	07.83	34.770	27.14		1486.5							
	08S	00281	07.65	34.810	27.20		1486.0							
	08S	00291	07.92	34.850	27.19		1487.2							
	STO	00300	08.42	34.96	27.20		1489.4							
	08S	00300	08.46	34.970	27.20		1489.6							
	08S	00302	08.40	34.960	27.20		1489.4							
	08S	00306	08.15	34.950	27.23		1488.5							
	08S	00350	08.12	34.980	27.26		1489.1							
	08S	00395	07.44	34.970	27.35		1487.3							
	STO	00400	07.42	34.97	27.35		1487.2							
	08S	00411	06.84	34.840	27.34		1485.0							
	08S	00451	06.18	34.870	27.44		1483.0							
	08S	00458	06.13	34.850	27.44		1482.9							
	08S	00468	05.92	34.850	27.45		1482.2							
	08S	00485	05.82	34.830	27.46		1482.1							
	08S	00496	05.50	34.790	27.49		1480.1							
	STO	00500	05.16	34.75	27.51		1479.6							
	08S	00500	05.14	34.790	27.51		1479.5							
	08S	00514	05.05	34.770	27.51		1479.4							
	08S	00525	05.21	34.840	27.55		1480.3							
	08S	00534	04.99	34.830	27.56		1479.6							
	08S	00540	04.75	34.770	27.54		1478.6							
	08S	00550	04.72	34.820	27.59		1478.7							
	08S	00569	04.99	34.840	27.57		1480.6							
	STO	00600	04.55	34.84	27.57		1480.5							
	08S	00601	04.84	34.830	27.58		1480.0							
	08S	00633	04.76	34.810	27.57		1479.7							
	08S	00624	04.89	34.850	27.56		1480.7							
	08S	00652	04.66	34.860	27.62		1480.2							
	STO	00700	04.84	34.98	27.70		1481.9							
	08S	00700	04.84	34.980	27.70		1481.9							
	08S	00750	04.51	34.940	27.70		1481.3							
	STO	00800	04.70	34.98	27.71		1483.0							
	08S	00801	04.71	34.980	27.71		1483.0							
	08S	00850	04.04	34.983	27.79		1481.0							
	STO	00900	04.03	34.98	27.79		1481.8							
	08S	00900	04.03	34.980	27.79		1481.8							
	08S	00950	04.03	34.990	27.80		1482.7							
	STO	01000	04.03	34.98	27.79		1483.5							
	08S	01000	04.03	34.980	27.79		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 03749 AIR TEMP 08.0 DIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1307  
 CONSEC 0010 MOYTH 04 SHIP EV WET #UL8 06.0 29 6 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 1  
 LAT 41 28 N DAY 08 DATA USE 1 BARDMETR 1006.9 SEA 5A WIND-FOR DURATION 2 SQUARE 00  
 LONG 050 13 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG 011 195 1 SQUARE 00

CASSTNUM/IME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	5103	PH
12.2	STO	00000	13.73	35.46	26.62	00.000	1503.9							
	085	00003	13.73	35.460	26.62		1503.9							
	STO	00010	13.75	35.45	26.61	00.014	1504.1							
	085	00013	13.75	35.450	26.61		1504.1							
	STO	00020	13.75	35.44	26.61	00.025	1504.3							
	085	00020	13.75	35.440	26.61		1504.3							
	STO	00050	13.74	35.46	26.61	00.043	1504.4							
	085	00050	13.74	35.460	26.61		1504.4							
	STO	00050	13.76	35.45	26.60	00.072	1504.8							
	085	00051	13.76	35.450	26.60		1504.8							
	STO	00075	13.50	35.44	26.65	00.108	1504.3							
	085	00074	13.47	35.440	26.66		1504.2							
	085	00076	13.42	35.400	26.68		1504.1							
	085	00083	13.09	35.360	26.67		1503.0							
	STO	00100	13.01	35.39	26.71	00.143	1503.0							
	085	00100	13.01	35.350	26.71		1503.0							
	STO	00125	13.02	35.40	26.72	00.177	1503.5							
	085	00127	13.03	35.400	26.71		1503.6							
	085	00139	13.10	35.350	26.69		1504.0							
	STO	00150	13.26	35.44	26.70	00.212	1504.7							
	085	00150	13.26	35.440	26.70		1504.8							
	085	00175	13.35	35.440	26.68		1505.5							
	STO	00200	13.41	35.46	26.68	00.282	1506.1							
	085	00201	13.41	35.460	26.68		1506.1							
	085	00226	13.02	35.480	26.78		1505.2							
	STO	00250	12.49	35.39	26.82	00.351	1503.7							
	085	00251	12.46	35.350	26.82		1503.7							
	085	00276	11.87	35.360	26.91		1502.0							
	085	00291	11.60	35.330	26.94		1501.3							
	085	00295	11.35	35.300	26.96		1500.4							
	085	00298	10.83	35.210	26.99		1498.5							
	STO	00300	10.77	35.19	26.99	00.412	1498.3							
	085	00300	10.73	35.180	26.98		1498.2							
	085	00323	10.43	35.190	27.04		1497.5							
	085	00350	09.65	35.050	27.07		1494.9							
	085	00357	09.50	35.040	27.08		1494.7							
	085	00365	09.23	35.000	27.10		1493.6							
	085	00371	08.50	34.850	27.10		1490.7							
	085	00378	08.20	34.850	27.13		1489.7							
	085	00384	07.80	34.780	27.15		1486.2							
	STO	00400	07.59	34.77	27.18	00.518	1487.6							
	085	00401	07.57	34.770	27.18		1487.6							
	085	00420	07.46	34.750	27.16		1487.4							
	085	00449	08.15	34.570	27.25		1450.8							
	085	00451	08.20	34.980	27.25		1451.1							
	STO	00500	07.88	34.97	27.29	00.611	1490.6							
	085	00500	07.87	34.570	27.25		1490.6							
	085	00546	06.96	34.950	27.41		1487.8							
	085	00550	06.72	34.500	27.40		1486.9							
	085	00580	06.49	34.510	27.44		1486.5							
	STO	00600	06.13	34.88	27.46	00.690	1485.3							
	085	00611	06.10	34.880	27.47		1485.2							
	085	00651	05.44	34.830	27.51		1483.3							
	STO	00700	05.14	34.85	27.56	00.757	1482.9							
	085	00700	05.14	34.850	27.56		1482.9							
	085	00750	04.68	34.850	27.61		1481.9							
	STO	00800	04.52	34.83	27.62	00.816	1482.0							
	085	00801	04.52	34.830	27.62		1482.0							
	085	00852	04.49	34.850	27.64		1482.8							
	STO	00900	04.44	34.85	27.64	00.873	1483.4							
	085	00900	04.44	34.850	27.64		1483.4							
	085	00951	04.42	34.850	27.64		1484.1							
	STO	01000	04.38	34.87	27.66	00.927	1484.8							
	085	01001	04.38	34.870	27.66		1484.8							
	085	01008	04.38	34.860	27.66		1484.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	BOTOP 04206	AIR TEMP 15.4	OIR MGI PER	WIND-OIR 27	INST STD RECORDER	TEN SQ 1507
CONSEC 3011	MONTH 04	SHIP EV	WET BULB 12.7	27 6 4	WIND-SPD 25	TRACE DIR 0	5 SQUARE 1
LAT 43 57 N	DAY 08	DATA USE 1	BAROMETR 1010.6	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 26 W	HOUR 17.6	AREA 05	CLOUD T/A	GL/TR	WEATHER X1	DRIG 011 196	1 SQUARE 00

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGNA-T	DYNPHT	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.6	STD	00000	17.19	36.26	26.45	00.000	1515.6							
	OBS	00001	17.19	36.260	26.45		1515.7							
	STD	00010	17.21	36.26	26.45	00.016	1515.9							
	OBS	00011	17.21	36.260	26.45		1515.9							
	STD	00020	17.22	36.26	26.45	00.032	1516.0							
	OBS	00020	17.22	36.260	26.45		1516.1							
	STD	00030	17.22	36.25	26.44	00.048	1516.2							
	OBS	00030	17.22	36.250	26.44		1516.2							
	STD	00050	17.20	36.26	26.45	00.080	1516.5							
	OBS	00051	17.20	36.260	26.45		1516.5							
	STD	00075	17.23	36.24	26.43	00.121	1517.0							
	OBS	00076	17.23	36.240	26.43		1517.0							
	OBS	00095	17.02	36.210	26.45		1516.6							
	STD	00100	16.85	36.21	26.49	00.161	1516.3							
	OBS	00100	16.86	36.210	26.49		1516.2							
	OBS	00102	16.80	36.180	26.48		1516.1							
	OBS	00108	16.51	36.140	26.52		1515.2							
	STD	00125	16.25	36.14	26.57	00.200	1514.8							
	OBS	00125	16.28	36.140	26.58		1514.8							
	STD	00150	16.05	36.12	26.60	00.237	1514.6							
	OBS	00150	16.09	36.120	26.61		1514.6							
	OBS	00175	15.71	36.000	26.60		1513.7							
	STD	00200	15.57	36.02	26.65	00.311	1513.7							
	OBS	00201	15.56	36.020	26.65		1513.7							
	OBS	00241	15.32	36.000	26.69		1513.6							
	OBS	00245	15.25	35.970	26.67		1513.5							
	STD	00250	14.88	35.87	26.68	00.384	1512.2							
	OBS	00251	14.77	35.840	26.65		1511.8							
	OBS	00264	14.05	35.640	26.68		1509.6							
	OBS	00277	13.69	35.540	26.69		1508.4							
	OBS	00279	13.68	35.520	26.67		1508.4							
	OBS	00283	13.43	35.510	26.72		1507.6							
	STD	00300	13.64	35.54	26.70	00.456	1506.6							
	OBS	00304	13.70	35.550	26.65		1508.9							
	OBS	00314	13.59	35.530	26.70		1508.6							
	OBS	00316	13.57	35.540	26.71		1508.6							
	OBS	00317	13.56	35.540	26.71		1508.6							
	OBS	00342	13.43	35.590	26.74		1509.3							
	OBS	00346	13.32	35.530	26.76		1506.3							
	OBS	00350	13.28	35.540	26.77		1506.2							
	OBS	00352	13.29	35.600	26.82		1508.4							
	OBS	00388	13.56	35.770	26.85		1510.1							
	OBS	00395	13.30	35.680	26.88		1505.2							
	STD	00400	13.15	35.68	26.89	00.591	1506.5							
	OBS	00401	13.15	35.670	26.90		1506.6							
	OBS	00416	12.68	35.520	26.88		1507.3							
	OBS	00451	11.97	35.520	27.02		1505.4							
	OBS	00481	11.29	35.420	27.07		1503.4							
	OBS	00491	11.00	35.330	27.05		1502.5							
	STD	00500	10.84	35.32	27.07	00.711	1502.6							
	OBS	00500	10.83	35.320	27.07		1502.6							
	OBS	00525	10.24	35.300	27.16		1500.3							
	OBS	00538	09.66	35.180	27.14		1499.0							
	OBS	00540	09.61	35.180	27.14		1498.8							
	OBS	00544	09.63	35.190	27.18		1498.2							
	OBS	00546	09.59	35.150	27.19		1498.1							
	OBS	00550	09.52	35.170	27.15		1497.9							
	OBS	00561	09.32	35.140	27.15		1497.3							
	OBS	00573	08.94	35.080	27.21		1496.0							
	OBS	00582	08.52	35.050	27.28		1494.6							
	OBS	00586	08.66	35.110	27.28		1495.3							
	STD	00600	08.77	35.12	27.27	00.813	1495.8							
	OBS	00601	08.77	35.120	27.27		1495.5							
	OBS	00611	08.77	35.120	27.27		1496.0							
	OBS	00612	08.74	35.120	27.27		1496.0							
	OBS	00614	08.75	35.110	27.26		1496.0							
	OBS	00633	08.27	35.120	27.35		1494.5							
	OBS	00651	08.21	35.120	27.36		1494.6							
	STD	00700	07.54	35.05	27.41	00.900	1492.7							
	OBS	00732	07.49	35.050	27.41		1492.8							
	OBS	00711	07.30	35.030	27.42		1492.0							
	OBS	00716	07.03	34.990	27.43		1491.0							
	OBS	00721	07.00	34.970	27.42		1490.9							
	OBS	00750	06.73	34.950	27.47		1490.3							

TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

M D O C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 04100 AIR TEMP 06.6 DIR MGT PER WIND-DIR 13 INST STO RECORDER TEN SJ 1306  
 CONSEC 0012 MONTH 04 SHIP EV WET BULB 06.9 19 4 3 WIND-SPO 08 TRACE DIR 0 5 SQUARE 2  
 LAT 41 39 N DAY 05 DATA USE 1 BAROMETER 1012.8 SEA CL/TR WIND-FOR DURATION 2 SQUARE 06  
 LONG 047 34 W HOUR 05.9 AREA 05 CLOUD T/A WEATHER X2 ORIG 011 197 1 SQUARE 17

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
05.9	STO	00000	16.90	36.15	26.44	00.000	1514.6							
	OBS	00000	16.50	36.150	26.44		1514.6							
	STO	00010	16.89	36.15	26.44	00.016	1514.8							
	OBS	00010	16.89	36.150	26.44		1514.8							
	STO	00020	16.88	36.13	26.43	00.032	1514.9							
	OBS	00020	16.87	36.12	26.42	00.048	1515.0							
	STO	00030	16.87	36.120	26.42		1515.0							
	OBS	00030	16.37	36.030	26.47		1513.4							
	STO	00050	16.50	36.08	26.53	00.080	1513.6							
	OBS	00050	16.30	36.080	26.53		1513.6							
	STO	00070	16.08	36.060	26.58		1513.2							
	OBS	00070	16.31	36.18	26.60	00.117	1514.1							
	STO	00100	15.76	36.30	26.58	00.155	1512.7							
	OBS	00100	15.79	36.000	26.58		1512.7							
	STO	00125	15.57	35.88	26.58	00.192	1511.7							
	OBS	00125	15.37	35.860	26.58		1511.7							
	STO	00133	14.85	35.740	26.55		1510.0							
	OBS	00133	14.85	35.740	26.55		1510.0							
	STO	00150	14.72	35.65	26.58	00.230	1505.8							
	OBS	00150	14.72	35.650	26.58		1505.8							
	STO	00160	14.45	35.700	26.65		1505.1							
	OBS	00170	14.78	35.830	26.68		1510.5							
	STO	00181	14.27	35.690	26.68		1508.9							
	OBS	00200	14.28	35.71	26.69	00.303	1509.2							
	STO	00200	14.28	35.710	26.69		1505.2							
	OBS	00212	14.49	35.820	26.73		1510.2							
	STO	00250	13.77	35.65	26.75	00.372	1508.3							
	OBS	00275	13.46	35.630	26.80		1507.7							
	STO	00300	13.28	35.69	26.85	00.438	1507.6							
	OBS	00300	13.28	35.690	26.89		1507.6							
	STO	00312	13.28	35.670	26.87		1507.8							
	OBS	00325	13.07	35.710	26.95		1507.3							
	STO	00340	13.07	35.700	26.94		1507.6							
	OBS	00365	12.71	35.660	26.98		1506.7							
	STO	00390	11.85	35.530	27.05		1504.0							
	OBS	00400	11.84	35.53	27.05	00.557	1504.1							
	STO	00400	11.84	35.530	27.05		1504.1							
	OBS	00465	10.52	35.330	27.07		1501.7							
	STO	00500	09.82	35.18	27.14	00.665	1498.2							
	OBS	00500	09.82	35.180	27.14		1498.2							
	STO	00535	09.00	35.180	27.28		1495.7							
	OBS	00550	09.04	35.180	27.27		1496.1							
	STO	00600	08.36	35.17	27.37	00.755	1494.4							
	OBS	00600	08.36	35.170	27.37		1494.4							
	STO	00677	06.83	35.060	27.51		1485.6							
	OBS	00685	06.85	35.050	27.50		1485.9							
	STO	00700	06.68	35.05	27.52	00.834	1485.4							
	OBS	00700	06.68	35.050	27.52		1489.4							
	STO	00740	06.57	35.090	27.57		1485.7							
	OBS	00800	06.16	35.05	27.62	00.898	1485.0							
	STO	00875	05.70	35.100	27.65		1488.4							
	OBS	00900	05.67	35.050	27.65	00.954	1488.7							
	STO	00900	05.67	35.050	27.69		1488.7							
	OBS	01000	05.15	35.05	27.72	01.007	1488.2							
	STO	01000	05.15	35.050	27.72		1488.2							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTDP 03650 AIR TEMP 11.7 OIR HGT PER WIND-OIR 15 INST STO RECORDER TEN SJ 1306  
CONSEC 0013 MONTH 04 SHIP EV WET BULB 05.4 29 3 2 WIND-SPO 14 TRACE OIR 0 5 SQUARE 2  
LAT 42 13.1N DAY 09 DATA USE 1 BAROMETR 1310.3 SEA DURATION ORIG 011 198 2 SQUARE 28  
LONG 048 07 W HQJR 09.7 AREA 05 CLOUD T/A CL/TR WEATHER X6

CSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	0000	05.28	33.73	26.66	00.000	1470.5							
05.7	085	00005	05.28	33.730	26.66		1470.6							
	085	00007	05.27	33.720	26.65		1470.5							
	STO	00010	05.30	33.73	26.65	00.014	1470.7							
	085	00011	05.31	33.730	26.66		1470.8							
	STO	00020	07.86	34.38	26.83	00.027	1481.9							
	085	00020	08.02	34.420	26.84		1482.6							
	STO	00030	08.43	34.48	26.82	00.039	1484.4							
	085	00030	08.46	34.450	26.82		1484.5							
	085	00040	09.20	34.640	26.82		1487.6							
	085	00041	09.20	34.650	26.83		1437.7							
	085	00047	08.82	34.580	26.84		1486.3							
	085	00045	08.86	34.620	26.86		1486.5							
	STO	00050	08.82	34.61	26.86	00.064	1486.4							
	085	00057	08.65	34.580	26.86		1485.8							
	085	00062	09.04	34.660	26.87		1487.4							
	085	00084	09.13	34.650	26.87		1487.8							
	085	00070	11.04	35.140	28.50		1455.4							
	085	00072	11.12	35.150	28.89		1455.8							
	STO	00075	10.24	34.55	26.85	00.094	1452.4							
	085	00085	08.12	34.500	26.86		1484.1							
	085	00093	07.95	34.450	26.90		1483.6							
	085	00097	07.46	34.420	26.52		1481.7							
	STO	00100	07.38	34.45	26.55	00.123	1481.4							
	085	00100	07.35	34.460	26.57		1481.4							
	085	00102	07.43	34.480	26.97		1481.7							
	085	00108	06.78	34.390	26.59		1475.2							
	085	00119	07.29	34.480	26.95		1481.5							
	STO	00125	07.38	34.49	26.98	00.151	1481.5							
	085	00127	07.43	34.490	26.98		1482.2							
	085	00133	05.65	34.200	26.58		1475.0							
	085	00144	05.53	34.220	27.02		1474.5							
	STO	00150	06.86	34.45	27.06	00.177	1475.5							
	085	00152	06.86	34.450	27.06		1480.3							
	085	00154	06.89	34.450	27.05		1480.5							
	085	00171	07.83	34.650	27.07		1484.9							
	085	00178	07.95	34.700	27.07		1485.3							
	085	00182	07.26	34.550	27.08		1482.5							
	085	00195	05.45	34.280	27.07		1475.2							
	STO	00200	05.43	34.28	27.07	00.229	1475.1							
	085	00201	05.15	34.240	27.07		1474.1							
	085	00203	05.07	34.260	27.10		1473.7							
	085	00217	05.33	34.290	27.10		1475.0							
	085	00226	05.25	34.300	27.12		1474.8							
	085	00234	04.92	34.280	27.14		1473.6							
	085	00247	04.55	34.250	27.14		1473.5							
	STO	00250	05.08	34.32	27.15	00.278	1474.5							
	085	00253	05.17	34.340	27.15		1475.0							
	085	00260	05.06	34.340	27.17		1474.7							
	085	00275	05.46	34.390	27.16		1476.7							
	085	00281	05.48	34.410	27.17		1476.8							
	085	00295	01.07	33.530	27.20		1457.5							
	STO	00300	01.43	33.55	27.20	00.324	1455.2							
	085	00300	01.50	33.960	27.20		1455.6							
	085	00312	02.94	34.140	27.23		1466.3							
	085	00314	02.96	34.150	27.23		1466.4							
	085	00315	03.75	34.300	27.26		1470.1							
	085	00323	04.24	34.370	27.28		1472.3							
	085	00331	04.27	34.360	27.27		1472.6							
	085	00350	03.47	34.300	27.30		1465.4							
	085	00359	02.72	34.220	27.31		1466.3							
	085	00371	02.72	34.250	27.33		1466.5							
	085	00380	05.11	34.250	27.33		1468.4							
	085	00384	03.46	34.390	27.36		1470.1							
	085	00390	03.62	34.430	27.37		1471.8							
	STO	00400	03.70	34.41	27.37	00.406	1471.4							
	085	00401	03.68	34.410	27.37		1471.3							
	085	00413	05.81	34.730	27.38		1490.7							
	085	00453	05.56	34.760	27.44		1480.4							
	085	00454	05.46	34.760	27.45		1480.1							
	STO	00500	04.17	34.63	27.50	00.476	1475.3							
	085	00500	04.17	34.630	27.50		1475.3							
	085	00525	04.41	34.710	27.53		1476.8							
	STO	00600	04.48	34.84	27.63	00.535	1478.5							
	STO	00700	04.44	34.94	27.70	00.586	1480.9							
	085	00750	04.65	34.970	27.71		1482.1							
	STO	00800	04.75	34.56	27.70	00.635	1483.3							
	085	00812	04.81	34.560	27.70		1483.6							
	085	00815	04.73	34.960	27.71		1483.6							
	085	00852	04.42	34.550	27.72		1482.6							
	STO	00900	04.63	34.57	27.72	00.684	1484.3							
	085	00900	04.63	34.970	27.72		1484.3							
	085	00951	04.55	34.970	27.72		1484.9							
	STO	01000	04.46	34.98	27.74	00.732	1485.3							
	085	01001	04.46	34.980	27.74		1485.3							
	085	01007	04.47	34.970	27.73		1485.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N D O C S T A T I O N O A T A

REFID 31 8555 YEAR 1973 BOTOP 03292 AIR TEMP 12.2 OIR MG7 PER WIND-OIR 16 INST SIG RECOROE A TEN SQ 1506  
 CONSEC 0014 MONTH 04 SHIP EV WET GULB 10.5 36 2 2 WIND-SPO 23 TRACE OIR 0 5 SQUARE 2  
 LAT 41 30 N DAY 09 DATA USE 1 BAROMETR 1000.1 SEA CL/TA WIND-FOR DURATION 2 SOJARE 28  
 LONG 046 13 W HOUR 13.7 AREA 05 CLOUD T/A WEATHER A2 ORIG 011 199 1 SOJARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI33	PH
13.7	STO	00000	02.44	35.12	26.46	00.000	1457.6							
	OBS	00000	02.44	33.120	26.46		1457.6							
	STO	00010	02.44	33.12	26.46	00.016	1457.8							
	OBS	00010	02.44	33.120	26.46		1457.8							
	STO	00020	02.12	33.37	26.68	00.031	1456.9							
	OBS	00020	02.12	33.370	26.68		1456.9							
	OBS	00025	00.72	33.250	26.68		1450.6							
	STG	00050	01.22	33.35	26.73	00.044	1453.0							
	OBS	00032	01.22	33.350	26.76		1453.1							
	OBS	00038	00.57	33.500	26.85		1450.4							
	OBS	00040	01.16	33.560	26.90		1453.2							
	STO	00050	- 3.08	33.51	26.93	00.069	1447.7							
	OBS	00050	- 3.08	33.510	26.93		1447.7							
	STO	00075	00.67	33.79	27.12	00.095	1451.4							
	OBS	00075	00.67	33.790	27.12		1451.4							
	STO	00100	04.17	34.15	27.15	00.118	1468.1							
	OBS	00100	04.17	34.190	27.15		1468.1							
	OBS	00125	04.72	34.370	27.23		1470.7							
	STO	00125	04.02	34.31	27.26	00.141	1468.1							
	OBS	00125	04.02	34.310	27.26		1468.1							
	OBS	00140	04.91	34.480	27.30		1472.3							
	STO	00150	04.72	34.43	27.28	00.161	1471.6							
	OBS	00150	04.72	34.430	27.28		1471.6							
	OBS	00160	04.42	34.430	27.31		1470.5							
	OBS	00175	04.67	34.520	27.35		1471.9							
	OBS	00180	05.05	34.560	27.34		1473.6							
	OBS	00195	05.05	34.590	27.37		1473.9							
	STO	00200	05.37	34.69	27.41	00.200	1475.4							
	OBS	00200	05.37	34.690	27.41		1475.4							
	OBS	00225	02.42	34.500	27.40		1462.8							
	OBS	00240	01.56	34.250	27.43		1459.2							
	STO	00250	01.77	34.27	27.43	00.234	1460.4							
	OBS	00250	01.77	34.270	27.43		1460.4							
	OBS	00275	04.36	34.640	27.48		1472.4							
	OBS	00290	04.40	34.650	27.49		1472.8							
	STO	00300	05.52	34.79	27.47	00.267	1477.8							
	OBS	00300	05.52	34.790	27.47		1477.8							
	OBS	00305	05.79	34.930	27.55		1475.2							
	OBS	00330	04.88	34.780	27.54		1475.7							
	OBS	00340	05.40	34.920	27.59		1478.1							
	OBS	00350	05.12	34.910	27.61		1477.1							
	OBS	00355	05.20	34.950	27.63		1477.6							
	OBS	00380	04.57	34.840	27.62		1475.5							
	STO	00400	04.78	34.89	27.63	00.326	1476.5							
	OBS	00400	04.78	34.890	27.63		1476.5							
	OBS	00450	05.20	34.990	27.68		1479.2							
	STO	00500	05.05	35.00	27.69	00.375	1479.5							
	STO	00600	04.79	35.01	27.73	00.422	1480.0							
	OBS	00650	04.67	35.010	27.74		1480.4							
	STO	00700	04.56	35.01	27.75	00.465	1480.8							
	OBS	00700	04.56	35.010	27.75		1480.8							
	OBS	00750	04.08	34.940	27.75		1479.5							
	STO	00800	04.16	34.95	27.75	00.509	1480.7							
	OBS	00800	04.16	34.950	27.75		1480.7							
	STO	00900	04.03	34.95	27.76	00.552	1481.6							
	OBS	00900	04.03	34.950	27.76		1481.6							
	OBS	00950	03.94	34.930	27.76		1482.2							
	STO	01000	04.04	34.95	27.76	00.595	1483.5							
	OBS	01000	04.04	34.950	27.76		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8555 YEAR 1973 BOTOP 03214 AIR TEMP 14.2 DIR MGT PER WIND-DIR 15 INST STO RECORDER TEN SQ 1306  
 CUNSEC 0015 MONTH 04 SHIP EV MET 04L8 12.2 33 3 4 WIND-SPO 26 TRACE DIR 0 5 SQUARE 2  
 LAT 42 38 N DAY 09 DATA USE 1 SEA 09 WIND-FOR DUKATION 2 SQUARE 28  
 LONG 048 36 W MOJR 16.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 200 1 SQUARE 28

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	QYNPTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	S103	PH
10.3	ST0	00300	01.90	33.15	26.51	00.000	1455.3							
	085	00005	01.90	33.130	26.51		1455.4							
	ST0	00010	01.89	33.12	26.50	00.015	1455.4							
	085	00011	01.88	33.120	26.50		1455.3							
	ST0	00020	01.75	33.11	26.50	00.031	1455.1							
	085	00020	01.77	33.110	26.50		1455.0							
	ST0	00030	01.76	33.11	26.50	00.046	1455.1							
	085	00032	01.45	33.110	26.52		1453.7							
	085	00036	00.63	33.370	26.54		1450.1							
	085	00038	00.41	33.110	26.58		1449.2							
	085	00043	00.35	33.230	26.70		1447.8							
	ST0	00050	00.08	33.26	26.72	00.075	1448.0							
	085	00051	00.13	33.260	26.72		1448.3							
	085	00053	00.23	33.260	26.71		1448.8							
	085	00057	00.73	33.390	26.79		1451.3							
	085	00060	00.88	33.400	26.76		1451.3							
	085	00061	00.50	33.380	26.80		1450.4							
	ST0	00075	00.55	33.42	26.82	00.107	1450.8							
	085	00083	00.60	33.460	26.85		1451.3							
	085	00091	00.65	33.500	26.88		1451.7							
	085	00099	00.55	33.590	26.96		1451.5							
	ST0	00100	00.40	33.58	26.96	00.136	1450.8							
	085	00100	00.33	33.580	26.97		1450.5							
	085	00104	00.62	33.600	26.97		1451.9							
	ST0	00125	00.36	33.61	27.15	00.162	1451.3							
	085	00125	00.35	33.610	27.15		1451.3							
	085	00131	00.41	33.620	27.15		1451.7							
	085	00135	00.64	33.900	27.21		1452.9							
	085	00137	00.67	33.930	27.23		1453.1							
	085	00139	00.89	33.950	27.23		1454.2							
	ST0	00150	00.72	33.96	27.25	00.184	1453.6							
	085	00150	00.71	33.960	27.25		1453.6							
	085	00161	01.07	34.080	27.32		1455.5							
	085	00163	00.89	34.070	27.33		1454.7							
	085	00180	01.53	34.200	27.39		1458.1							
	ST0	00200	01.64	34.29	27.45	00.221	1459.0							
	085	00201	01.66	34.250	27.45		1459.1							
	085	00209	01.77	34.290	27.44		1459.7							
	085	00218	02.11	34.380	27.49		1461.5							
	085	00230	02.05	34.410	27.52		1461.5							
	085	00239	02.16	34.440	27.53		1462.1							
	085	00247	02.46	34.460	27.52		1463.6							
	ST0	00250	02.45	34.45	27.51	00.252	1463.6							
	085	00251	02.45	34.440	27.51		1463.6							
	085	00270	02.41	34.510	27.57		1463.8							
	ST0	00300	03.17	34.62	27.59	00.280	1467.8							
	085	00308	03.25	34.650	27.59		1468.3							
	085	00310	03.26	34.630	27.59		1468.3							
	085	00350	03.65	34.750	27.64		1470.8							
	ST0	00400	03.92	34.79	27.65	00.331	1472.8							
	085	00401	03.93	34.790	27.65		1472.9							
	085	00453	04.04	34.830	27.67		1474.3							
	ST0	00500	04.15	34.85	27.66	00.380	1475.5							
	085	00500	04.15	34.830	27.66		1475.5							
	085	00550	04.15	34.840	27.66		1476.3							
	ST0	00600	04.14	34.84	27.67	00.430	1477.1							
	085	00601	04.14	34.840	27.67		1477.2							
	085	00651	04.11	34.850	27.68		1477.9							
	ST0	00700	04.06	34.86	27.69	00.475	1478.5							
	085	00700	04.06	34.860	27.69		1478.5							
	085	00750	04.07	34.930	27.74		1479.4							
	ST0	00800	03.99	34.93	27.75	00.524	1479.9							
	085	00801	03.99	34.930	27.75		1480.0							
	ST0	00900	03.93	34.93	27.76	00.567	1481.4							
	085	00900	03.93	34.930	27.76		1481.4							
	085	00951	03.90	34.930	27.76		1482.1							
	ST0	01000	03.98	34.96	27.78	00.610	1483.3							
	085	01001	03.98	34.960	27.78		1483.3							
	085	01018	03.94	34.950	27.77		1483.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

MOODC STATION DATA

REFID 31 0355	YEAR 1973	80TOP 02414	AIR TEMP 13.2	OIR MGT PER	WIND-OIR 18	INST STD RECORDER	TEN SQ 1306
CONSEC JUL6	MONTH 04	SHIP EV	MET BULB 11.6	18 3 2	WIND-SPD 30	TRACE DIR	5 SQUARE 2
LAT 42 50 N	DAY 06	DATA USE 1	BAROMETR 0592.0	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 048 53.58	MOJR 17.7	AREA 05	CLDUO 7/A	CL/TR	WEATHER X6	ORIG Q11 201	1 SQUARE 28

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.7	STO	03000	03.82	33.11	26.32	00.000	1463.6							
	085	03007	03.82	33.110	26.32		1463.7							
	STO	03010	03.83	33.12	26.34	03.017	1463.8							
	085	03011	03.83	33.130	26.34		1463.8							
	STO	03020	03.83	33.11	26.32	03.034	1463.9							
	085	03022	03.83	33.110	26.32		1464.0							
	STO	03030	03.81	33.12	26.33	03.051	1464.0							
	085	03030	03.81	33.120	26.33		1464.0							
	STO	03050	03.38	33.12	26.37	03.085	1462.5							
	085	03051	03.35	33.120	26.38		1462.4							
	STO	03075	02.88	33.41	26.65	00.123	1461.1							
	085	03078	02.82	33.460	26.70		1461.0							
	STO	03095	02.50	33.800	26.99	00.153	1460.4							
	085	03100	02.64	33.89	27.05		1461.2							
	STO	03100	02.64	33.900	27.06	03.198	1461.3							
	085	03106	02.72	33.960	27.10		1461.7							
	STO	03112	02.56	34.060	27.16	00.177	1463.0							
	085	03125	03.09	34.16	27.23		1463.5							
	STO	03125	03.10	34.160	27.23	00.234	1463.5							
	085	03150	03.51	34.320	27.32		1466.3							
	STO	03150	03.51	34.320	27.32	00.294	1467.2							
	085	03161	03.53	34.420	27.39		1466.7							
	STO	03175	03.51	34.380	27.36	00.345	1473.7							
	085	03175	03.51	34.380	27.36		1466.6							
	STO	03192	03.47	34.440	27.42	00.394	1476.0							
	085	03196	02.98	34.380	27.41		1464.9							
	STO	03200	02.65	34.35	27.42	00.443	1477.3							
	085	03205	02.39	34.340	27.43		1462.4							
	STO	03205	02.36	34.350	27.44	00.485	1479.0							
	085	03215	02.63	34.420	27.48		1463.8							
	STO	03226	02.57	34.440	27.50	00.532	1480.2							
	085	03226	02.55	34.420	27.48		1463.6							
	STO	03237	02.14	34.420	27.52	00.618	1483.0							
	085	03250	02.26	34.42	27.51		1462.7							
	STO	03251	02.28	34.420	27.51	00.618	1483.0							
	085	03276	02.79	34.500	27.53		1465.6							
	STO	03300	03.03	34.61	27.59	00.294	1467.1							
	085	03300	03.04	34.610	27.59		1467.2							
	STO	03325	03.40	34.650	27.59	00.345	1473.7							
	085	03350	03.83	34.760	27.63		1471.6							
	STO	03400	04.10	34.83	27.66	00.394	1476.0							
	085	03401	04.11	34.830	27.66		1475.0							
	STO	03451	04.23	34.840	27.66	00.443	1477.3							
	085	03500	04.26	34.840	27.65		1476.0							
	STO	03550	04.29	34.840	27.65	00.485	1479.0							
	085	03550	04.26	34.840	27.65		1476.0							
	STO	03550	04.29	34.840	27.65	00.532	1480.2							
	085	03600	04.18	34.86	27.68		1477.4							
	STO	03633	04.18	34.860	27.68	00.575	1481.4							
	085	03676	04.17	34.940	27.74		1482.3							
	STO	03700	04.15	34.94	27.74	00.618	1483.0							
	085	03700	04.15	34.940	27.74		1479.0							
	STO	03778	04.08	34.940	27.75	00.618	1483.0							
	085	03800	04.04	34.94	27.76		1480.2							
	STO	03831	04.04	34.940	27.76	00.575	1481.4							
	085	03866	03.56	34.530	27.76		1480.2							
	STO	03900	03.53	34.53	27.76	00.575	1481.4							
	085	03900	03.53	34.530	27.76		1481.4							
	STO	03953	03.95	34.540	27.77	00.618	1483.0							
	085	03953	03.95	34.540	27.77		1482.3							
	STO	04000	03.93	34.55	27.78	00.618	1483.0							
	085	04001	03.93	34.550	27.78		1483.1							
	STO	04026	03.56	34.950	27.77	00.618	1483.0							
	085	04026	03.56	34.950	27.77		1483.0							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

M D O C S T A T I O N O A T A																				
REFID	31	0355	YEAR	1973	BOTOP	02040	AIR TEMP	03.3	DIR	MGT	PER	WIND-DIR	28	INST	STO	RECORDER	TEN	SQ	1306	
CONSEC	0017	MONTH	04	SHIP	EV		WET	BULB	02.2	24	5	2	WIND-SPD	40	TRACE	DIR	D	5	SQUARE	2
LAT	42 58 N	DAY	05	DATA	USE	1	BAROMETR	0599.2	SEA			WIND-FDR		DURATION			2	SQUARE	2B	
LONG	048 59.8W	HOUR	21.5	AREA	05		CLOUD	T/A	CL/TR			WEATHER	X2	ORIG	011	202	1	SQUARE	2B	
CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SND	VEL	DXYG	P34	TOT	P	NOL	NG5	SIG3	PH				
21.5	STO	00000	03.25	33.24	26.48	00.000	1461.3													
	OBS	00001	03.25	33.240	26.48		1461.3													
	STO	00010	03.25	33.24	26.48	00.016	1461.5													
	OBS	00011	03.25	33.240	26.48		1461.5													
	STO	00020	03.27	33.25	26.49	00.031	1461.7													
	OBS	00020	03.27	33.250	26.49		1461.7													
	STO	00030	03.27	33.26	26.50	00.047	1461.9													
	OBS	00030	03.27	33.260	26.50		1461.9													
	OBS	00038	03.15	33.240	26.45		1461.5													
	OBS	00040	02.57	33.300	26.55		1460.8													
	OBS	00041	02.65	33.470	26.72		1459.7													
	OBS	00043	02.88	33.460	26.71		1459.8													
	OBS	00047	01.59	33.460	26.76		1456.9													
	STO	00050	01.88	33.50	26.80	00.075	1456.5													
	OBS	00051	01.83	33.520	26.82		1456.3													
	OBS	00057	01.78	33.580	26.87		1456.3													
	OBS	00070	01.80	33.750	26.95		1456.8													
	OBS	00071	01.43	33.700	26.95		1455.1													
	OBS	00074	01.44	33.740	27.03		1455.3													
	STO	00075	01.53	33.74	27.02	00.103	1455.7													
	OBS	00076	01.64	33.750	27.02		1456.2													
	OBS	00097	00.75	33.910	27.21		1452.8													
	STO	00100	00.77	33.92	27.21	00.127	1453.0													
	OBS	00100	00.78	33.930	27.22		1453.0													
	OBS	00102	00.96	33.960	27.23		1453.9													
	OBS	00116	02.62	34.110	27.23		1461.7													
	STO	00125	02.57	34.18	27.29	00.148	1461.7													
	OBS	00125	02.57	34.190	27.30		1461.7													
	OBS	00135	02.92	34.270	27.33		1463.5													
	STO	00150	02.97	34.28	27.33	00.168	1464.0													
	OBS	00152	02.96	34.280	27.33		1464.0													
	OBS	00175	02.43	34.250	27.36		1462.0													
	OBS	00192	02.27	34.290	27.40		1461.6													
	OBS	00198	01.86	34.240	27.40		1459.9													
	STO	00200	01.81	34.26	27.41	00.204	1459.7													
	OBS	00203	01.78	34.290	27.44		1459.7													
	OBS	00215	02.02	34.420	27.53		1461.1													
	OBS	00217	02.41	34.470	27.54		1462.9													
	OBS	00226	02.58	34.500	27.55		1463.8													
	STO	00250	02.73	34.50	27.53	00.235	1464.9													
	OBS	00255	02.78	34.500	27.53		1465.2													
	OBS	00276	03.04	34.550	27.58		1466.8													
	OBS	00277	03.04	34.590	27.58		1466.8													
	STO	00300	03.34	34.64	27.59	00.263	1468.5													
	OBS	00300	03.35	34.640	27.59		1468.6													
	OBS	00350	03.70	34.750	27.64		1471.0													
	STO	00400	03.93	34.77	27.63	00.315	1472.8													
	OBS	00401	03.95	34.770	27.63		1472.9													
	OBS	00450	04.05	34.830	27.68		1475.8													
	STO	00500	04.05	34.84	27.67	00.365	1475.3													
	OBS	00500	04.05	34.840	27.67		1475.3													
	OBS	00557	04.16	34.840	27.66		1476.6													
	STO	00600	04.20	34.85	27.67	00.413	1477.4													
	OBS	00601	04.20	34.850	27.67		1477.4													
	OBS	00670	04.17	34.850	27.67		1478.4													
	STO	00700	04.13	34.93	27.73	00.460	1478.9													
	OBS	00702	04.13	34.930	27.74		1476.9													
	OBS	00759	04.15	34.930	27.74		1479.9													
	STO	00800	04.07	34.90	27.72	00.505	1480.2													
	OBS	00801	04.07	34.900	27.72		1480.3													
	OBS	00850	04.06	34.930	27.75		1481.1													
	STO	00900	04.01	34.93	27.75	00.550	1481.7													
	OBS	00900	04.01	34.930	27.75		1481.7													
	OBS	00959	03.97	34.930	27.76		1482.5													
	STO	01000	03.95	34.93	27.76	00.595	1483.1													
	OBS	01001	03.95	34.930	27.76		1483.1													
	OBS	01018	03.54	34.940	27.77		1483.4													

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8555	YEAR 1973	BDTOP 01866	AIR TEMP 03.8	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SD 1506
CJNSEC 0016	MONTH 04	SHIP EV	MET BULB 01.4	31 5 3	WIND-SPD 30	TRACE DIR 0	5 SQUARE 2
LAT 42 03 N	DAY 13	DATA USE 1	BAROMETR 1005.5	SEA	WIND-FDR	DURATION	2 SQUARE 28
LONG 145 10 W	HOUR 03.9	AREA 05	CLOUD T/A	CL/TR	WEATHER 41	DRIG 011 203	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	P4
03.9	005	00011	03.47	33.250	26.47		1462.4							
	STD	00020	03.46	33.25	26.47		1462.6							
	085	00020	03.48	33.250	26.47		1462.6							
	STD	00030	03.45	33.25	26.47		1462.7							
	085	00030	03.45	33.250	26.47		1462.7							
	085	00047	03.36	33.220	26.46		1462.5							
	STD	00050	03.28	33.25	26.49		1462.2							
	085	00051	03.23	33.280	26.50		1462.1							
	085	00064	02.71	33.260	26.55		1460.0							
	STD	00075	01.65	33.47	26.79		1455.9							
	085	00076	01.62	33.470	26.80		1455.7							
	085	00078	01.60	33.470	26.80		1455.7							
	085	00081	01.13	33.480	26.84		1453.7							
	STD	00100	01.20	33.73	27.04		1454.6							
	085	00100	01.20	33.740	27.04		1454.6							
	STD	00125	01.07	33.79	27.09		1454.5							
	085	00127	01.01	33.810	27.11		1454.3							
	085	00131	00.91	33.840	27.14		1454.0							
	STD	00150	01.45	34.04	27.27		1457.0							
	085	00152	01.64	34.080	27.26		1457.9							
	085	00156	02.02	34.150	27.31		1459.8							
	085	00177	02.31	34.260	27.39		1461.5							
	STD	00200	02.00	34.27	27.41		1460.6							
	085	00203	01.97	34.270	27.41		1460.5							
	085	00226	01.86	34.300	27.44		1460.4							
	STD	00250	02.27	34.43	27.52		1462.8							
	085	00251	02.30	34.440	27.52		1462.9							
	085	00276	02.83	34.510	27.53		1465.8							
	STD	00300	02.88	34.51	27.53		1466.4							
	085	00300	02.89	34.510	27.53		1466.4							
	085	00358	03.46	34.720	27.64		1469.8							
	085	00340	03.78	34.770	27.65		1471.2							
	085	00352	02.51	34.760	27.63		1472.0							
	STD	00400	04.09	34.83	27.66		1473.0							
	085	00401	04.10	34.830	27.66		1473.7							
	085	00451	04.22	34.830	27.65		1475.0							
	STD	00500	04.23	34.85	27.66		1475.9							
	085	00500	04.23	34.850	27.66		1475.9							
	085	00533	04.17	34.850	27.67		1476.5							
	STD	00600	04.22	34.85	27.67		1477.5							
	085	00601	04.22	34.850	27.67		1477.5							
	085	00651	04.16	34.840	27.66		1478.1							
	STD	00700	04.14	34.85	27.67		1478.8							
	085	00700	04.14	34.850	27.67		1478.8							
	085	00750	04.09	34.850	27.68		1479.4							
	STD	00800	04.05	34.85	27.68		1480.1							
	085	00801	04.05	34.850	27.68		1480.1							
	085	00850	04.02	34.850	27.65		1480.8							
	STD	00900	04.03	34.53	27.75		1481.8							
	085	00904	04.03	34.530	27.75		1481.8							
	085	00951	04.00	34.530	27.75		1462.5							
	STD	01000	03.94	34.53	27.76		1463.1							
	085	01001	03.94	34.530	27.76		1463.1							
	085	01012	03.91	34.530	27.76		1463.1							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 03580 AIR TEMP -00.2 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1506  
 CONSEC 0019 MONTH 04 SHIP EV WET BULB -00.2 30 6 4 WIND-SPO 25 TRACE DIR 0 5 SQUARE 2  
 LAT 43 10.2N DAY 10 DATA USE 1 BAROMETR 1008.4 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 049 24.6W MDJR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 204 1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
05.7	STD	0000	- 1.19	33.12	26.66	00.000	1441.2							
	OBS	0003	- 1.19	33.120	26.66		1441.2							
	OBS	0007	- 1.18	33.100	26.64		1441.3							
	STD	0010	- 1.18	33.11	26.65	00.014	1441.4							
	OBS	0011	- 1.18	33.120	26.66		1441.4							
	STD	0013	- 1.18	33.110	26.65	00.028	1441.5							
	OBS	0020	- 1.18	33.110	26.65		1441.5							
	STD	0030	- 1.19	33.13	26.67	00.042	1441.7							
	OBS	0033	- 1.19	33.130	26.67		1441.7							
	STD	0050	- 1.10	33.14	26.67	00.069	1442.5							
	OBS	0053	- 1.08	33.150	26.68		1442.6							
	STD	0075	- 1.23	33.24	26.76	00.103	1442.4							
	OBS	0076	- 1.24	33.250	26.76		1442.4							
	STD	0090	- 1.61	33.38	26.88	00.134	1441.2							
	OBS	0090	- 1.62	33.380	26.88		1441.2							
	OBS	0098	- 1.64	33.400	26.90		1441.2							
	STD	0098	- 1.42	33.47	26.95	00.162	1442.6							
	OBS	0098	- 1.41	33.470	26.95		1442.7							
	OBS	0098	- 1.12	33.480	26.95		1444.4							
	STD	0098	- 1.05	33.47	26.94	00.190	1444.8							
	OBS	0098	- 1.01	33.470	26.94		1445.0							
	OBS	0098	- 0.66	33.610	27.04		1446.3							
	OBS	0098	- 0.33	33.700	27.09		1449.0							
	OBS	0098	- 0.59	33.710	27.11		1447.9							
	OBS	0098	- 0.63	33.720	27.12		1447.8							
	STD	0098	- 0.38	33.84	27.21	00.239	1445.2							
	OBS	0098	- 0.25	33.900	27.25		1450.0							
	OBS	0098	00.12	33.940	27.27		1452.1							
	STD	0098	00.38	33.96	27.26	00.281	1453.7							
	OBS	0098	00.43	33.970	27.27		1454.0							
	OBS	0098	00.56	34.070	27.35		1455.1							
	OBS	0098	00.67	34.140	27.40		1455.8							
	OBS	0098	00.97	34.140	27.38		1457.2							
	STD	0098	01.17	34.14	27.37	00.320	1456.4							
	OBS	0098	01.26	34.150	27.37		1458.8							
	OBS	0098	02.40	34.430	27.50		1465.0							
	STD	0098	02.65	34.63	27.62	00.381	1468.1							
	OBS	0098	02.87	34.630	27.62		1468.2							
	OBS	0098	03.42	34.63 P	27.570*									
	STD	0098	03.90	34.77	27.64	00.432	1474.4							
	OBS	0098	03.90	34.770	27.64		1474.4							
	OBS	0098	03.98	34.820	27.67		1475.7							
	OBS	0098	03.97	34.840	27.68		1476.1							

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REFID 31 8355 YEAR 1973 BOTOP 00115 AIR TEMP 00.1 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1506  
 CONSEC 0020 MONTH 04 SHIP EV WET BULB -01.6 29 9 4 WIND-SPO 30 TRACE DIR 0 5 SQUARE 2  
 LAT 43 17.2N DAY 10 DATA USE 1 BAROMETR 1009.0 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 045 35 W HOUR 09.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 205 1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
09.0	OBS	0005	- 0.35	32.900	26.45		1444.9							
	STD	0010	- 0.35	32.90	26.45		1444.9							
	OBS	0011	- 0.35	32.900	26.45		1444.9							
	STD	0020	- 0.35	32.90	26.45		1445.1							
	OBS	0020	- 0.35	32.900	26.45		1445.1							
	STD	0030	- 0.37	32.910	26.46		1445.2							
	OBS	0030	- 0.37	32.910	26.46		1445.2							
	STD	0030	- 0.59	32.91	26.46		1445.4							
	OBS	0051	- 0.42	32.910	26.46		1445.3							
	OBS	0064	- 0.84	32.900	26.47		1443.9							
	STD	0075	- 1.05	33.32	26.58		1442.9							
	OBS	0078	- 1.10	33.350	26.60		1442.8							
	STD	0090	- 1.25	33.39	26.64		1442.5							
	OBS	0090	- 1.26	33.100	26.64		1442.5							
	STD	0098	- 1.50	33.14	26.67		1442.7							
	OBS	0098	- 1.30	33.140	26.68		1442.7							
	OBS	0098	- 1.32	33.250	26.77		1443.0							
	STD	0098	- 1.21	33.44	26.91		1444.0							
	OBS	0098	- 1.21	33.440	26.92		1444.0							
	OBS	0098	- 1.07	33.490	26.92		1445.1							
	OBS	0098	- 1.04	33.460	26.93		1445.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N D O C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 00073 AIR TEMP 00.1 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEM SQ 1306  
CONSEC 0021 MONTH 04 SHIP EV WET BULB -01.0 29 5 4 WIND-SPD 30 TRACE DIR 0 5 SQUARE 2  
LAT 43 10.7N DAY 10 DATA USE 1 BAROMETR 1010.9 SEA WIND-FOR DURATION 2 SQUARE 28  
LONG 049 30.8W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 206 1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
05.8	OBS	00013	- 0.30	32.900	26.45		1445.2							
	OBS	00017	- 0.30	32.850	26.44		1445.3							
	STD	00020	- 0.29	32.90	26.44		1445.3							
	OBS	00022	- 0.29	32.900	26.45		1445.4							
	STD	00030	- 0.28	32.90	26.45		1445.6							
	OBS	00030	- 0.28	32.900	26.45		1445.6							
	STD	00050	- 0.45	32.90	26.45		1445.1							
	OBS	00051	- 0.47	32.500	26.46		1445.1							
	OBS	00062	- 0.69	32.540	26.50		1444.3							

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REFID 31 8355 YEAR 1973 BOTOP 00040 AIR TEMP 07.0 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEM SQ 1306  
CONSEC 0022 MONTH 04 SHIP EV WET BULB 06.2 26 5 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
LAT 44 02 N DAY 10 DATA USE 1 BAROMETR 1011.8 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 27 W HOUR 16.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 207 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
16.4	OBS	00005	- 0.03	32.550	26.15		1445.9							
	STD	00010	- 0.03	32.55	26.15		1445.9							
	OBS	00011	- 0.03	32.550	26.15		1445.9							
	OBS	00013	- 0.03	32.550	26.15		1446.0							
	OBS	00017	- 0.03	32.550	26.15		1446.0							
	STD	00020	- 0.03	32.55	26.16		1446.1							
	OBS	00028	- 0.04	32.560	26.16		1446.2							

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REFID 31 8355 YEAR 1973 BOTOP 00115 AIR TEMP 05.5 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEM SQ 1306  
CONSEC 0023 MONTH 04 SHIP EV WET BULB 08.2 28 3 3 WIND-SPD 24 TRACE DIR 0 5 SQUARE 2  
LAT 43 55 N DAY 10 DATA USE 1 BAROMETR 1014.3 SEA WIND-FOR DURATION 2 SQUARE 28  
LONG 049 04 W HOUR 15.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 206 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
19.8	STD	00000	- 1.10	33.04	26.59	00.000	1441.5							
	OBS	00007	- 1.10	33.040	26.59		1441.6							
	STD	00010	- 1.11	33.04	26.59	00.015	1441.6							
	OBS	00011	- 1.12	33.040	26.59		1441.6							
	STD	00020	- 1.14	33.04	26.59	00.025	1441.6							
	OBS	00020	- 1.14	33.040	26.59		1441.6							
	STD	00030	- 1.19	33.10	26.64	00.043	1441.6							
	OBS	00030	- 1.15	33.100	26.64		1441.6							
	STD	00050	- 1.27	33.10	26.64	00.071	1441.6							
	OBS	00051	- 1.26	33.100	26.64		1441.5							
	STD	00075	- 1.45	33.19	26.72	00.106	1441.5							
	OBS	00078	- 1.46	33.200	26.73		1441.5							
	OBS	00095	- 1.50	33.260	26.78		1441.4							
	STD	00100	- 1.49	33.25	26.77	00.136	1441.6							
	OBS	00100	- 1.49	33.250	26.77		1441.6							
	OBS	00114	- 1.48	33.250	26.77		1441.5							

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REFID 31 8355 YEAR 1973 BOTOP 00421 AIR TEMP WIND-DIR 27 INST NANSEN CAST TEM SQ 1306  
CONSEC 0024 MONTH 04 SHIP EV WET BULB DIR HGT PER WIND-SPD 18 TRACE DIR 5 SQUARE 2  
LAT 43 52 N DAY 10 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 2 SQUARE 28  
LONG 049 00 W HOUR 23.5 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG 011 205 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
23.5	STD	00000	- 1.42	33.05	26.64	00.000	1440.0							
	OBS	00000	- 1.42	33.069	26.64		1440.0							
	STD	00010	- 1.41	33.10	26.65	00.014	1440.3							
23.5	OBS	00016	- 1.40	33.100	26.65		1440.4							
	STD	00020	- 1.35	33.10	26.65	00.028	1440.5							
	STD	00040	- 1.37	33.10	26.65	00.042	1440.8							
23.5	OBS	00037	- 1.35	33.100	26.65		1441.0							
	STD	00050	- 1.62	33.17	26.71	00.065	1440.0							
23.5	OBS	00066	- 1.76	33.273	26.80		1435.8							
	STD	00075	- 1.76	33.34	26.85	00.101	1440.0							
23.5	OBS	00079	- 1.73	33.372	26.88		1440.3							
	STD	00100	- 1.15	33.50	26.97	00.130	1443.5							
23.5	OBS	00115	- 0.81	33.588	27.02		1445.5							
	STD	00125	- 0.68	33.63	27.05	00.156	1446.3							
	STD	00150	- 0.35	33.74	27.13	00.184	1448.4							
23.5	OBS	00168	- 0.10	33.815	27.18		1450.0							
	STD	00200	00.23	33.96	27.28	00.224	1452.2							
	STD	00250	01.01	34.20	27.44	00.261	1456.9							
23.5	OBS	00266	01.37	34.285	27.47		1456.9							
	STD	00300	02.48	34.45	27.55	00.292	1464.6							
23.5	OBS	00341	03.27	34.650	27.60		1468.9							
23.5	OBS	00350	03.33	34.670	27.61		1469.4							
	STD	00400	03.74	34.77	27.63	00.345	1472.0							
23.5	OBS	00400	03.74	34.770	27.65		1472.0							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA																	
REFID	J1 8355	YEAR	1573	80TOP	J1189	AIR TEMP	00.5	DIR HGT	PER	WIND-DIR	31	INST STO	RECORER	TCM	SG	1306	
CONSEC	JJ25	MONTH	04	SHIP	EV	WET BULB	-00.8	SEA	26 3 3	WIND-SPO	14	TRACE	DIR	5	SQUARE	2	
LAT	43 49 N	DAY	11	DATA	USE	1	BAROMETR	1016.7	5EA	WIND-FOR		DURATION		2	SQUARE	28	
LONG	148 55 W	MOU	00.7	AREA	05	CLDUO	T/A	CL/TR		WEATHER	X2	ORIG	011 210	1	SQUARE	58	
CASNUM/TIME	LVL	TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO	VEL	OXYG	PC4	TOT	P	NO2	NO3	S103	PH
	STO		00000	- 0.13	33.11	26.61	00.000	1446.1									
00.7	OBS		00005	- 0.13	33.110	26.61		1446.2									
	STO		00010	- 0.14	33.11	26.61	00.014	1446.2									
	OBS		00011	- 0.14	33.110	26.61		1446.2									
	STO		00020	- 0.13	33.11	26.61	00.025	1446.4									
	OBS		00020	- 0.13	33.110	26.61		1446.4									
	STO		00030	- 0.10	33.11	26.61	00.043	1446.7									
	OBS		00030	- 0.10	33.110	26.61		1446.7									
	OBS		00041	- 0.18	33.080	26.55		1446.5									
	STO		00050	- 0.44	33.13	26.64	00.072	1445.5									
	OBS		00051	- 0.51	33.130	26.64		1445.2									
	OBS		00060	- 1.17	33.110	26.65		1442.2									
	OBS		00070	- 1.72	33.370	26.87		1440.2									
	STO		00075	- 1.66	33.38	26.88	00.104	1440.5									
	OBS		00076	- 1.65	33.380	26.88		1440.6									
	STO		00100	- 1.38	33.45	26.93	00.133	1442.3									
	OBS		00100	- 1.37	33.450	26.93		1442.4									
	STO		00125	- 0.83	33.60	27.03	00.160	1445.6									
	OBS		00125	- 0.82	33.600	27.03		1445.6									
	OBS		00146	- 0.40	35.750	27.17		1446.2									
	STO		00150	- 0.07	33.92	27.27	00.183	1445.9									
	OBS		00150	- 0.04	35.930	27.27		1450.1									
	OBS		00175	00.38	33.950	27.26		1452.5									
	OBS		00195	00.63	34.070	27.34		1454.2									
	STO		00200	00.64	34.07	27.34	00.222	1454.2									
	OBS		00209	01.12	34.150	27.38		1456.6									
	OBS		00218	01.64	34.170	27.50		1459.1									
	OBS		00226	01.50	34.140	27.34		1456.6									
	OBS		00230	01.16	34.160	27.38		1457.2									
	STO		00250	01.06	34.25	27.46	00.257	1457.2									
	OBS		00251	01.05	34.250	27.45		1457.2									
	OBS		00266	01.37	34.290	27.47		1458.9									
	OBS		00274	02.24	34.420	27.51		1463.0									
	OBS		00276	02.29	34.410	27.50		1463.5									
	OBS		00285	02.61	34.490	27.53		1464.5									
	OBS		00251	03.09	34.570	27.56		1467.2									
	STO		00300	03.49	34.62	27.55	00.287	1465.1									
	OBS		00300	03.52	34.620	27.55		1465.3									
	OBS		00335	03.70	34.610	27.53		1470.6									
	OBS		00342	04.51	34.750	27.61		1473.5									
	OBS		00350	04.65	34.840	27.61		1475.1									
	STO		00400	04.34	34.81	27.62	00.341	1474.6									
	OBS		00403	04.51	34.810	27.62		1474.5									
	OBS		00451	03.88	34.770	27.64		1473.5									
	STO		00500	04.11	34.83	27.66	00.351	1475.3									
	OBS		00500	04.11	34.830	27.66		1475.3									
	OBS		00550	04.18	34.820	27.65		1476.4									
	STO		00600	04.32	34.85	27.65	00.444	1477.9									
	OBS		00601	04.32	34.850	27.65		1477.9									
	OBS		00651	04.10	34.830	27.66		1477.8									
	STO		00700	04.06	34.84	27.67	00.492	1478.5									
	OBS		00700	04.06	34.840	27.67		1478.5									
	OBS		00750	04.01	34.840	27.68		1479.1									
	STO		00800	03.97	34.84	27.68	00.541	1479.7									
	OBS		00801	03.97	34.840	27.68		1479.8									
	OBS		00852	03.95	34.840	27.68		1480.7									
	STO		00900	03.94	34.84	27.69	00.591	1481.3									
	OBS		00900	03.94	34.840	27.69		1481.3									
	OBS		00951	03.89	34.840	27.69		1481.9									
	STO		01000	03.88	34.84	27.69	00.641	1482.7									
	OBS		01001	03.88	34.840	27.69		1482.7									

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOODC STATION DATA

REFID 31 8355	YEAR 1973	BOTOP 03114	AIR TEMP 00.9	OIR HGT PER	WIND-OIR 23	INST STD RECORDER	TEN SQ 130e
CONSEC 002b	MONTH 04	SHIP EV	WET BULB -00.6	23 2 4	WIND-SPO 20	TBACE OIR 0	5 SQUARE 2
LAT 43 44 N	DAY 11	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 148 23 W	MOJR 03.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 211	1 SQUARE 38

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PC4	TOT P	NO2	NO3	S103	PH
03.9	STD	00000	03.17	33.31	26.54	00.000	1461.0							
	OBS	00005	03.17	33.310	26.54		1461.1							
	STD	00010	03.17	33.33	26.56	00.015	1461.2							
	OBS	00011	03.17	33.340	26.57		1461.3							
	STD	00020	03.17	33.34	26.57	00.030	1461.4							
	OBS	00020	03.17	33.340	26.57		1461.4							
	STD	00030	03.17	33.34	26.57	00.044	1461.6							
	OBS	00030	03.17	33.340	26.57		1461.6							
	OBS	00047	03.10	33.320	26.55		1461.5							
	OBS	00045	02.69	33.280	26.56		1455.7							
	STD	00050	02.66	33.27	26.56	00.074	1455.6							
	OBS	00051	02.56	33.250	26.55		1459.2							
	OBS	00053	02.38	33.580	26.83		1458.9							
	OBS	00055	04.57	33.830	26.82		1468.6							
	OBS	00066	05.37	33.970	26.84		1472.3							
	OBS	00072	04.42	33.860	26.86		1468.3							
	STD	00075	04.61	33.88	26.85	00.108	1469.1							
	OBS	00076	04.69	33.920	26.88		1465.5							
	OBS	00078	04.44	34.050	27.01		1468.7							
	OBS	00079	04.63	34.080	27.01		1469.6							
	OBS	00091	04.62	34.080	27.03		1468.5							
	STD	00100	04.59	34.16	27.06	00.136	1465.9							
	OBS	00102	04.65	34.190	27.09		1470.2							
	OBS	00108	03.66	34.080	27.11		1466.0							
	OBS	00112	03.76	34.100	27.12		1466.5							
	OBS	00118	04.84	34.290	27.15		1471.3							
	STD	00125	04.81	34.27	27.14	00.160	1471.3							
	OBS	00125	04.80	34.270	27.14		1471.3							
	OBS	00125	04.69	34.270	27.15		1470.9							
	OBS	00135	05.99	34.470	27.16		1476.6							
	OBS	00139	06.16	34.550	27.20		1477.4							
	STD	00150	05.77	34.54	27.24	00.183	1476.0							
	OBS	00158	05.49	34.530	27.27		1475.0							
	OBS	00161	06.07	34.640	27.28		1477.5							
	OBS	00163	06.14	34.630	27.26		1477.8							
	OBS	00173	03.87	34.270	27.24		1468.2							
	OBS	00175	03.77	34.260	27.26		1467.8							
	STD	00200	04.02	34.36	27.30	00.224	1465.4							
	OBS	00201	04.06	34.370	27.30		1465.5							
	OBS	00226	04.20	34.450	27.33		1470.7							
	STD	00250	04.11	34.47	27.37	00.263	1470.7							
	OBS	00251	04.10	34.470	27.38		1470.7							
	OBS	00277	04.55	34.610	27.44		1473.2							
	STD	00300	04.56	34.62	27.44	00.258	1473.6							
	OBS	00302	04.56	34.620	27.45		1473.7							
	OBS	00350	05.16	34.830	27.54		1477.2							
	STD	00400	05.12	34.83	27.55	00.362	1477.9							
	OBS	00401	05.12	34.830	27.55		1477.5							
	OBS	00451	05.07	34.860	27.58		1478.5							
	STD	00500	04.46	34.84	27.63	00.418	1476.8							
	OBS	00500	04.46	34.840	27.63		1476.8							
	OBS	00550	04.83	34.670	27.61		1479.2							
	STD	00600	04.85	34.87	27.63	00.471	1475.3							
	OBS	00601	04.65	34.870	27.63		1475.3							
	OBS	00651	04.50	34.870	27.65		1475.5							
	STD	00700	04.49	34.88	27.66	00.523	1480.3							
	OBS	00702	04.49	34.880	27.66		1480.3							
	OBS	00750	04.55	34.900	27.67		1481.4							
	OBS	00774	04.25	34.860	27.67		1480.7							
	STD	00800	04.15	34.85	27.67	00.575	1480.7							
	OBS	00801	04.19	34.850	27.67		1480.7							
	OBS	00850	04.15	34.850	27.67		1481.3							
	STD	00900	04.06	34.85	27.68	00.626	1481.8							
	OBS	00900	04.06	34.850	27.68		1481.8							
	OBS	00951	04.04	34.850	27.66		1482.0							
	STD	01000	03.57	34.85	27.69	00.677	1483.1							
	OBS	01001	03.57	34.850	27.69		1483.1							
	OBS	01007	03.57	34.850	27.69		1483.2							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOD STATION DATA

REFID 31 6350 YEAR 1973 BOTDP 03402 AIR TEMP 03.2 DIR HGT PER WIND-DIR 24 INST STO RECDROER TEN SW 1506  
 LONS&C 0027 MONTH 04 SHIP EV WET BULB 32.0 32 2 3 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 41 N GAY 11 DATA USE 1 BAROMETR 1017.2 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 048 11 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 212 1 SQUARE 58

CSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	DRYG	PC4	TOT P	NO2	NO3	SI03	PH
06.6	STO	00000	08.90	34.68	26.90	00.000	1485.9							
	08S	00005	08.90	34.680	26.90		1486.0							
	STO	00010	08.91	34.71	26.93	00.011	1486.2							
	08S	00011	08.91	34.720	26.93		1486.2							
	STO	00020	08.91	34.72	26.93	00.023	1486.5							
	08S	00020	08.91	34.72	26.93		1486.4							
	STO	00030	08.91	34.72	26.93	00.034	1486.5							
	08S	00032	08.91	34.720	26.93		1486.5							
	STO	00050	08.91	34.72	26.93	00.057	1486.8							
	08S	00051	08.91	34.720	26.93		1486.8							
	STL	00075	08.93	34.73	26.94	00.085	1487.3							
	08S	00076	08.93	34.730	26.94		1487.3							
	STO	00100	08.89	34.71	26.93	00.114	1487.5							
	08S	00100	08.88	34.710	26.93		1487.5							
	08S	00104	08.85	34.720	26.94		1487.5							
	08S	00116	08.22	34.610	26.95		1485.2							
	08S	00119	08.16	34.620	26.97		1485.0							
	08S	00123	07.95	34.600	26.99		1484.2							
	STO	00125	07.95	34.60	26.99	00.142	1484.3							
	08S	00125	07.95	34.600	26.99		1484.3							
	08S	00144	07.71	34.630	27.05		1483.7							
	STO	00150	06.28	34.77	27.07	00.169	1486.1							
	08S	00150	06.31	34.780	27.07		1486.5							
	08S	00175	07.77	34.720	27.11		1484.5							
	08S	00184	07.55	34.680	27.11		1483.8							
	08S	00198	07.68	34.740	27.14		1484.6							
	STO	00200	07.52	34.71	27.13	00.219	1484.0							
	08S	00207	07.14	34.630	27.13		1482.5							
	08S	00224	07.63	34.760	27.16		1484.9							
	08S	00254	06.31	34.520	27.15		1479.5							
	STO	00250	06.17	34.49	27.15	00.267	1479.2							
	08S	00251	06.16	34.490	27.15		1475.2							
	08S	00264	06.01	34.480	27.16		1478.8							
	08S	00276	06.10	34.610	27.25		1479.5							
	08S	00277	06.15	34.630	27.26		1479.7							
	STO	00291	06.80	34.750	27.27	00.312	1482.7							
	08S	00300	06.90	34.79	27.29		1483.3							
	08S	00300	06.90	34.790	27.29		1483.3							
	08S	00317	06.71	34.770	27.30		1482.8							
	08S	00329	04.77	34.490	27.32		1474.6							
	08S	00340	03.09	34.650	27.41		1476.5							
	08S	00344	05.68	34.760	27.42		1479.1							
	08S	00348	06.00	34.820	27.43		1480.6							
	08S	00350	06.11	34.810	27.41		1481.0							
	08S	00365	05.97	34.770	27.40		1480.7							
	08S	00373	05.48	34.730	27.43		1478.8							
	08S	00376	05.22	34.690	27.43		1477.7							
	08S	00380	05.21	34.720	27.45		1477.8							
	08S	00384	05.62	34.820	27.46		1479.6							
	08S	00395	05.67	34.810	27.47		1480.1							
	STO	00400	05.66	34.81	27.47	00.388	1480.0							
	08S	00409	05.45	34.770	27.46		1479.3							
	08S	00451	05.39	34.840	27.52		1479.8							
	STO	00500	05.37	34.93	27.60	00.451	1480.7							
	08S	00500	05.37	34.930	27.60		1480.7							
	08S	00514	05.51	34.930	27.60		1480.7							
	08S	00542	04.97	34.930	27.64		1479.7							
	08S	00550	05.09	34.950	27.65		1480.4							
	STO	00600	05.00	34.96	27.66	00.504	1480.9							
	08S	00601	05.00	34.960	27.66		1480.9							
	STO	00700	04.56	34.54	27.70	00.554	1480.7							
	08S	00700	04.56	34.540	27.70		1480.7							
	08S	00751	04.48	34.950	27.72		1481.2							
	STO	00800	04.34	34.55	27.73	00.601	1481.4							
	08S	00801	04.34	34.950	27.73		1481.5							
	08S	00850	04.26	34.940	27.73		1481.9							
	STO	00900	04.22	34.54	27.74	00.647	1482.6							
	08S	00900	04.22	34.940	27.74		1482.6							
	08S	00951	04.36	34.930	27.74		1482.8							
	STO	01000	04.07	34.93	27.74	00.693	1483.6							
	08S	01001	04.06	34.930	27.75		1485.6							
	08S	01003	04.04	34.930	27.75		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8555 YEAR 1973 BOTDP 03584 AIR TEMP 04.1 DIR MGR PER WIND-DIR 14 INST STO RECORDER TEN SD 1306  
 CGNSEC 0028 MONTH 04 SHIP EV WET BULB 03.8 23 3 5 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 43 36 N DAY 11 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 047 44 W HOUR 09.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 213 1 SQUARE 37

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
09.0	STO	00000	09.47	34.83	26.95	00.000	1488.2							
	OBS	00007	09.47	34.830	26.93		1488.4							
	STO	00010	09.47	34.85	26.93	00.011	1488.4							
	OBS	00011	09.47	34.830	26.93		1488.4							
	STO	00020	09.48	34.83	26.93	00.023	1488.6							
	OBS	00020	09.48	34.830	26.93		1488.6							
	STO	00030	09.48	34.84	26.93	00.034	1488.8							
	OBS	00030	09.48	34.840	26.93		1488.8							
	STO	00050	09.48	34.84	26.93	00.057	1489.1							
	OBS	00051	09.48	34.840	26.93		1489.1							
	STO	00075	09.49	34.83	26.92	00.086	1489.5							
	OBS	00076	09.49	34.830	26.92		1489.6							
	STO	00100	09.50	34.84	26.93	00.114	1490.0							
	OBS	00100	09.50	34.840	26.93		1490.0							
	STO	00125	09.49	34.84	26.93	00.143	1490.4							
	OBS	00125	09.49	34.840	26.93		1490.4							
	STO	00150	09.49	34.84	26.93	00.172	1490.8							
	OBS	00150	09.49	34.840	26.93		1490.8							
	STO	00175	09.38	34.830	26.94		1490.8							
	OBS	00175	09.38	34.830	26.94		1490.8							
	STO	00200	08.29	34.71	27.03	00.228	1486.9							
	OBS	00201	08.23	34.710	27.03		1486.7							
	STO	00226	07.75	34.690	27.09		1485.5							
	OBS	00226	07.75	34.690	27.09		1485.5							
	STO	00250	07.54	34.70	27.13	00.260	1484.9							
	OBS	00251	07.53	34.700	27.13		1484.8							
	STO	00272	07.57	34.720	27.17		1484.6							
	OBS	00272	07.57	34.720	27.17		1484.6							
	STO	00269	07.04	34.640	27.15		1483.5							
	OBS	00269	07.04	34.640	27.15		1483.5							
	STO	00293	06.98	34.620	27.14		1483.3							
	OBS	00293	06.98	34.620	27.14		1483.3							
	STO	00300	07.04	34.73	27.22	00.328	1483.8							
	OBS	00300	07.05	34.740	27.23		1483.8							
	STO	00352	06.41	34.720	27.30		1482.1							
	OBS	00352	06.41	34.720	27.30		1482.1							
	STO	00400	06.25	34.83	27.40	00.410	1482.4							
	OBS	00400	06.23	34.830	27.41		1482.4							
	STO	00451	05.78	34.830	27.47		1481.4							
	OBS	00451	05.78	34.830	27.47		1481.4							
	STO	00500	05.29	34.82	27.52	00.479	1480.2							
	OBS	00500	05.29	34.820	27.52		1480.2							
	STO	00550	05.13	34.840	27.55		1480.4							
	OBS	00550	05.13	34.840	27.55		1480.4							
	STO	00600	04.65	34.84	27.61	00.539	1479.3							
	OBS	00601	04.65	34.840	27.61		1479.3							
	STO	00651	05.01	34.980	27.68		1481.8							
	OBS	00651	05.01	34.980	27.68		1481.8							
	STO	00700	04.78	34.98	27.71	00.590	1481.6							
	OBS	00700	04.78	34.980	27.71		1481.6							
	STO	00750	04.60	34.960	27.71		1481.7							
	OBS	00750	04.60	34.960	27.71		1481.7							
	STO	00800	04.44	34.96	27.73	00.637	1481.9							
	OBS	00800	04.44	34.960	27.73		1481.9							
	STO	00850	04.31	34.950	27.73		1482.2							
	OBS	00850	04.31	34.950	27.73		1482.2							
	STO	00900	04.35	34.97	27.75	00.683	1483.2							
	OBS	00900	04.35	34.970	27.75		1483.2							
	STO	00957	04.14	34.960	27.76		1483.4							
	OBS	00957	04.14	34.960	27.76		1483.4							
	STO	00999	04.02	34.940	27.76		1483.4							
	OBS	00999	04.02	34.940	27.76		1483.4							
	STO	01000	04.03	34.95	27.76	00.720	1483.5							
	OBS	01001	04.05	34.960	27.77		1483.6							
	STO	01005	04.11	34.960	27.76		1483.9							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REF ID: A18355    YEAR: 1973    BOTDP: 05840    AIR TEMP: 07.0    OIR HGT PER:    WIND-DIR: 15    INST STD RECORDER:    TEN SW: 1506  
 CONSEC: 0025    MONTH: 04    SHIP EV:    WET BULB: 05.0    25 2 2    WIND-SPO: 24    TRACE OIR: 0    5 SJJARE 2  
 LAT: 43 26 N    DAY: 11    DATA USE: 1    BAROMETR: 1018.1    SEA    WIND-FDR:    OURATION:    2 SJJARE 26  
 LONG: 077 20 W    HOUR: 12.1    AREA: 05    CLOUD T/A:    CL/TR:    WEATHER: A1    ORIG: 011 214    1 SJJARE 57

CASSTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	DRYG	P24	TOT P	NO2	NO3	S103	PH
12.1	ST0	00000	06.35	34.11	26.83	00.000	1475.3							
	085	00000	06.35	34.110	26.83		1475.3							
	ST0	00020	06.35	34.11	26.83	00.012	1475.5							
	085	00020	06.35	34.115	26.83		1475.5							
	ST0	00040	06.35	34.11	26.83	00.025	1475.6							
	085	00040	06.35	34.115	26.83		1475.6							
	ST0	00060	06.35	34.11	26.83	00.037	1475.8							
	085	00060	06.35	34.120	26.83		1475.8							
	ST0	00080	06.92	34.28	26.88	00.061	1478.6							
	085	00080	06.92	34.280	26.88		1478.6							
	ST0	00100	07.42	34.350	26.87	00.091	1480.8							
	085	00100	07.42	34.350	26.87		1480.8							
	ST0	00120	06.82	34.25	26.87	00.119	1478.6							
	085	00120	06.82	34.250	26.87		1478.6							
	ST0	00140	05.49	34.26	27.05	00.145	1473.7							
	085	00140	05.49	34.260	27.05		1473.7							
	ST0	00160	05.60	34.250	27.03	00.170	1474.3							
	085	00160	05.60	34.250	27.03		1474.3							
	ST0	00180	04.67	34.10	27.02	00.215	1470.5							
	085	00180	04.67	34.100	27.02		1470.5							
	ST0	00200	04.25	34.190	27.11	00.256	1465.0							
	085	00200	04.25	34.190	27.11		1465.0							
	ST0	00220	04.26	34.22	27.18	00.289	1465.4							
	085	00220	04.26	34.220	27.18		1465.4							
	ST0	00240	05.19	34.340	27.15	00.346	1473.7							
	085	00240	05.19	34.340	27.15		1473.7							
	ST0	00260	04.84	34.330	27.18	00.385	1472.7							
	085	00260	04.84	34.330	27.18		1472.7							
	ST0	00280	04.47	34.29	27.19	00.424	1471.2							
	085	00280	04.47	34.290	27.19		1471.2							
	ST0	00300	02.75	34.240	27.35	00.463	1466.4							
	085	00300	02.75	34.240	27.35		1466.4							
	ST0	00320	04.16	34.51	27.40	00.502	1471.0							
	085	00320	04.16	34.510	27.40		1471.0							
	ST0	00340	02.26	34.390	27.48	00.541	1465.0							
	085	00340	02.26	34.390	27.48		1465.0							
	ST0	00360	02.83	34.465	27.51	00.580	1466.0							
	085	00360	02.83	34.465	27.51		1466.0							
	ST0	00380	02.95	34.50	27.51	00.619	1466.7							
	085	00380	02.95	34.500	27.51		1466.7							
	ST0	00400	04.19	34.700	27.55	00.658	1473.1							
	085	00400	04.19	34.700	27.55		1473.1							
	ST0	00420	03.65	34.650	27.54	00.697	1472.0							
	085	00420	03.65	34.650	27.54		1472.0							
	ST0	00440	03.92	34.650	27.57	00.736	1472.5							
	085	00440	03.92	34.650	27.57		1472.5							
	ST0	00460	04.30	34.76	27.55	00.775	1474.4							
	085	00460	04.30	34.760	27.55		1474.4							
	ST0	00480	04.18	34.845	27.67	00.814	1474.3							
	085	00480	04.18	34.845	27.67		1474.3							
	ST0	00500	04.59	34.890	27.66	00.853	1476.6							
	085	00500	04.59	34.890	27.66		1476.6							
	ST0	00520	04.69	34.920	27.67	00.892	1477.9							
	085	00520	04.69	34.920	27.67		1477.9							
	ST0	00540	04.51	34.92	27.69	00.931	1478.8							
	085	00540	04.51	34.920	27.69		1478.8							
	ST0	00560	04.26	34.92	27.72	00.970	1479.4							
	085	00560	04.26	34.925	27.72		1479.4							
	ST0	00580	04.09	34.92	27.74	00.539	1480.4							
	085	00580	04.09	34.925	27.74		1480.4							
	ST0	00600	04.08	34.92	27.74	00.578	1482.0							
	085	00600	04.08	34.925	27.74		1482.0							
	ST0	00620	04.08	34.920	27.74	00.617	1483.3							
	085	00620	04.08	34.925	27.74		1483.3							
	ST0	01000	04.00	34.93	27.76	00.656	1483.3							
	085	01000	04.00	34.935	27.76		1483.3							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	80TOP Q3749	AIR TEMP 13.2	DIR HGT PER	WIND-OIR 16	INST STD RECORDER	TEN SQ 1306
CONSEC Q330	MONTH 04	SHIP EV	WET BULB 11.0	16 1 2	WIND-SPO 16	TRACE OIR 0	5 SQUARE 2
LAT 43 17 N	DAY 11	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 046 58 W	HOOR 15.4	AREA 05	CLOUD 7/A	CL/TR	WEATHER X2	ORIG 011 215	1 SQUARE 36

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNJ VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
15.4	STO	00000	04.35	33.72	26.75	00.000	1466.6							
	OBS	00003	04.35	33.720	26.75		1466.7							
	STO	00010	04.52	33.71	26.75	00.013	1466.6							
	OBS	00011	04.31	33.710	26.75		1466.6							
	STO	00020	04.26	33.73	26.77	00.026	1466.6							
	OBS	00020	04.25	33.730	26.77		1466.5							
	STO	00030	04.36	33.72	26.75	00.035	1467.1							
	OBS	00030	04.36	33.720	26.75		1467.1							
	STO	00050	04.48	33.81	26.81	00.064	1468.1							
	OBS	00051	04.45	33.820	26.82		1468.2							
	OBS	00053	04.01	33.800	26.85		1466.2							
	OBS	00055	03.77	33.800	26.88		1465.2							
	OBS	00060	03.72	33.930	26.99		1465.2							
	OBS	00062	03.55	33.950	26.98		1466.3							
	OBS	00074	03.57	33.910	26.98		1464.8							
	STO	00075	03.55	33.92	26.95	00.054	1464.5							
	OBS	00076	03.62	33.940	27.00		1465.1							
	OBS	00053	04.05	34.150	27.11		1467.6							
	OBS	00055	04.00	34.140	27.12		1467.3							
	STO	00100	04.22	34.15	27.11	00.115	1466.3							
	OBS	00104	04.40	34.150	27.12		1469.2							
	OBS	00108	04.52	34.240	27.15		1469.8							
	OBS	00116	05.45	34.480	27.23		1474.2							
	STO	00125	05.46	34.48	27.23	00.142	1474.3							
	OBS	00127	05.45	34.480	27.23		1474.3							
	OBS	00140	05.54	34.450	27.23		1474.9							
	OBS	00146	06.08	34.610	27.26		1477.3							
	STO	00150	06.10	34.63	27.27	00.163	1477.4							
	OBS	00150	06.10	34.630	27.27		1477.5							
	OBS	00158	06.12	34.630	27.27		1477.7							
	OBS	00171	07.16	34.830	27.28		1482.3							
	OBS	00177	07.35	34.850	27.27		1483.1							
	OBS	00190	07.03	34.830	27.30		1482.1							
	STO	00200	06.59	34.74	27.29	00.205	1480.4							
	OBS	00201	06.49	34.720	27.29		1480.0							
	OBS	00205	05.98	34.640	27.25		1478.0							
	OBS	00217	05.50	34.640	27.30		1477.8							
	OBS	00226	06.44	34.770	27.33		1480.3							
	OBS	00236	06.24	34.740	27.34		1479.6							
	OBS	00241	05.49	34.640	27.35		1476.5							
	OBS	00245	04.99	34.620	27.40		1474.6							
	STO	00250	05.01	34.62	27.40	00.243	1474.7							
	OBS	00257	05.17	34.630	27.38		1475.4							
	OBS	00260	05.15	34.610	27.37		1475.4							
	OBS	00266	04.63	34.580	27.41		1473.3							
	OBS	00268	04.52	34.580	27.42		1472.5							
	OBS	00272	04.31	34.570	27.45		1472.1							
	OBS	00276	04.12	34.580	27.46		1471.3							
	STO	00300	04.35	34.62	27.46	00.278	1472.5							
	OBS	00300	04.40	34.620	27.46		1473.0							
	OBS	00350	04.71	34.750	27.53		1475.2							
	STO	00400	04.64	34.83	27.58	00.335	1476.6							
	OBS	00401	04.81	34.830	27.58		1476.6							
	OBS	00415	04.55	34.820	27.60		1475.5							
	OBS	00451	04.59	34.540	27.65		1478.3							
	OBS	00454	05.24	34.540	27.64		1475.4							
	STO	00500	05.08	34.58	27.67	00.352	1479.6							
	OBS	00500	05.08	34.980	27.67		1479.6							
	OBS	00563	05.02	34.570	27.67		1480.3							
	STO	00600	04.97	34.56	27.67	00.441	1480.7							
	OBS	00603	04.57	34.560	27.67		1480.8							
	OBS	00656	04.55	34.560	27.67		1481.6							
	STO	00700	04.66	34.56	27.68	00.452	1481.9							
	OBS	00700	04.86	34.560	27.68		1481.9							
	OBS	00750	04.72	34.980	27.71		1482.2							
	STO	00800	04.49	34.96	27.72	00.540	1482.1							
	OBS	00807	04.47	34.960	27.73		1482.1							
	OBS	00854	04.38	34.950	27.75		1482.5							
	STO	00900	04.27	34.98	27.76	00.586	1482.8							
	OBS	00900	04.27	34.980	27.76		1482.8							
	OBS	00951	04.22	34.980	27.77		1483.5							
	STO	01000	04.11	34.97	27.77	00.625	1483.8							
	OBS	01001	04.11	34.970	27.77		1483.5							
	OBS	01007	04.05	34.970	27.77		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 0355	YEAR 1973	BOATOP 03831	AIR TEMP 15.2	DIR MOT PER	WIND-DIR 17	INST STO RECOROK	TEN SQ 1306
CONSEC 0031	MONTH 04	SHIP EV	WET BULB 12.5	26 3 X	WIND-SPD 35	TRACE DIR 0	5 SQUARE 2
LAT 44 06 N	GAY 11	DATA USE 1	BAROMETR 1013.2	SEA	WIND-FDK	DURATION	2 SQUARE 46
LONG 046 33 W	MOJR 21.5	AREA 05	CLOUD 7/A	CL/TR	WEATHER XZ	ORIG 011 216	1 SQUARE 46

CASUMH/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	MO2	NO3	SIO3	PH
21.5	STO	00000	11.23	35.17	26.89	00.000	1495.0							
	OBS	00005	11.23	35.171	26.89		1495.1							
	STO	00010	11.21	35.16	26.86	00.012	1495.1							
	OBS	00011	11.20	35.160	26.88		1495.1							
	STO	00020	11.15	35.176	26.90	00.024	1495.1							
	OBS	00020	11.15	35.176	26.90		1495.1							
	STO	00030	11.14	35.15	26.91	00.035	1495.5							
	OBS	00030	11.14	35.150	26.91		1495.5							
	STO	00050	11.14	35.15	26.91	00.058	1495.5							
	OBS	00051	11.14	35.187	26.91		1495.6							
	STC	00075	11.06	35.17	26.92	00.067	1495.6							
	OBS	00078	11.04	35.165	26.92		1495.6							
	STO	00100	10.84	35.12	26.92	00.117	1495.2							
	OBS	00100	10.83	35.120	26.92		1495.2							
	OBS	00119	10.67	35.100	26.93		1494.9							
	STO	00125	10.16	34.95	26.93	00.146	1493.1							
	OBS	00127	10.01	34.950	26.93		1492.4							
	OBS	00142	09.56	34.970	26.95		1492.5							
	STO	00150	08.91	34.80	27.00	00.174	1488.6							
	OBS	00154	08.64	34.755	27.00		1487.6							
	OBS	00158	08.61	34.750	27.00		1487.5							
	OBS	00165	08.09	34.630	26.99		1485.5							
	OBS	00178	07.13	34.480	27.01		1481.8							
	STO	00200	06.41	34.35	27.04	00.228	1475.2							
	OBS	00201	06.36	34.350	27.05		1479.0							
	OBS	00226	05.98	34.405	27.11		1477.9							
	OBS	00241	06.39	34.475	27.11		1479.9							
	OBS	00249	05.76	34.390	27.12		1477.4							
	STO	00250	05.63	34.37	27.12	00.275	1476.9							
	OBS	00255	04.92	34.275	27.13		1473.9							
	OBS	00257	04.82	34.260	27.13		1473.5							
	OBS	00276	04.65	34.260	27.15		1473.1							
	OBS	00281	04.97	34.360	27.19		1474.7							
	OBS	00285	05.57	34.430	27.18		1477.3							
	OBS	00298	05.64	34.475	27.20		1477.8							
	STO	00300	05.92	34.53	27.22	00.326	1475.1							
	OBS	00302	06.35	34.625	27.23		1481.0							
	OBS	00304	06.43	34.640	27.23		1481.3							
	OBS	00312	06.72	34.685	27.25		1482.7							
	OBS	00316	06.29	34.610	27.23		1480.9							
	OBS	00323	05.14	34.430	27.23		1476.1							
	OBS	00331	05.02	34.500	27.30		1475.9							
	OBS	00338	07.61	34.975	27.33		1467.0							
	OBS	00348	07.56	34.943	27.31		1467.0							
	OBS	00352	07.53	35.030	27.33		1466.5							
	OBS	00354	06.20	35.092	27.34		1489.6							
	STO	00400	07.73	35.06	27.38	00.410	1488.6							
	OBS	00403	07.68	35.060	27.39		1488.4							
	OBS	00415	07.49	35.060	27.42		1487.9							
	OBS	00424	07.04	34.960	27.42		1486.2							
	OBS	00445	06.79	34.960	27.44		1485.5							
	OBS	00449	06.53	34.926	27.45		1484.5							
	OBS	00458	06.72	34.965	27.45		1485.4							
	OBS	00494	05.35	34.830	27.52		1480.4							
	STO	00500	05.19	34.83	27.54	00.480	1475.8							
	OBS	00500	05.17	34.835	27.54		1479.7							
	OBS	00550	05.19	34.832	27.54		1480.6							
	OBS	00563	04.94	34.833	27.57		1479.8							
	STO	00600	05.08	34.84	27.56	00.541	1481.0							
	OBS	00601	05.09	34.840	27.56		1481.1							
	OBS	00651	04.77	34.950	27.68		1480.7							
	STO	00700	04.94	34.97	27.68	00.596	1482.3							
	OBS	00700	04.94	34.970	27.68		1482.3							
	OBS	00750	04.67	34.950	27.69		1482.0							
	STO	00800	04.50	34.95	27.71	00.646	1482.1							
	OBS	00801	04.50	34.950	27.71		1482.1							
	OBS	00850	04.42	34.950	27.72		1482.6							
	STO	00900	04.33	34.95	27.73	00.693	1483.1							
	OBS	00902	04.33	34.950	27.73		1483.1							
	OBS	00931	04.26	34.950	27.74		1483.6							
	STO	01000	04.16	34.94	27.74	00.739	1484.0							
	OBS	01014	04.15	34.940	27.74		1484.2							
	OBS	01018	04.15	34.940	27.74		1484.3							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8555 YEAR 1973 BOTOP 03840 AIR TEMP 08.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SO 1306  
 CONSEC 0032 MONTH 04 SHIP EV WET BULB 08.0 14 1 2 WIND-SPO 28 TRACE DIR 0 5 SQUARE 2  
 LAT 4 13 N DAY 12 DATA USE 1 BAROMETR 1007.0 SEA CL/7R WIND-FOR DURATION 2 SQUARE 46  
 LONG 0-47 03 W HOUR 02.5 AREA 05 CLOUD T/A WEATHER A6 ORIG 011 217 1 SQUARE 47

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOP7H	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.44	33.36	26.56	00.000	1462.3							
02.5	085	00003	03.44	33.360	26.56		1462.3							
	STD	00010	03.42	33.36	26.56	00.015	1462.4							
	085	00011	03.42	33.360	26.56		1462.4							
	STD	00020	03.45	33.38	26.57	00.030	1462.6							
	085	00020	03.45	33.380	26.57		1462.7							
	STD	00030	03.51	33.40	26.58	00.044	1463.1							
	085	00030	03.51	33.400	26.59		1463.1							
	STD	00050	03.28	33.653	26.81	00.072	1462.7							
	085	00051	03.28	33.653	26.81		1462.7							
	085	00055	03.36	33.740	26.87		1463.3							
	085	00055	02.92	33.550	26.79 *		1461.3							
	085	00060	02.76	33.603	26.81		1460.7							
	085	00064	02.50	33.575	26.81		1459.6							
	085	00068	01.11	33.560	26.92		1453.5							
	085	00074	00.18	33.515	26.92		1449.3							
	STD	00075	00.23	33.55	26.93	00.102	1449.6							
	085	00076	00.30	33.552	26.94		1449.9							
	085	00081	00.16	33.610	27.00		1449.6							
	085	00095	00.16	33.700	27.07		1445.8							
	085	00097	00.55	33.723	27.07		1451.6							
	085	00099	00.52	33.720	27.07		1451.5							
	STD	00100	00.57	33.72	27.07	00.129	1451.6							
	085	00112	00.82	33.770	27.09		1453.2							
	085	00121	00.47	33.750	27.13		1451.8							
	STD	00125	01.44	33.87	27.15	00.153	1455.3							
	085	00131	01.70	33.930	27.16		1457.6							
	085	00133	01.34	33.890	27.15		1456.0							
	085	00146	03.99	34.290	27.24		1468.3							
	STD	00150	03.59	34.28	27.24	00.175	1468.3							
	085	00130	04.01	34.280	27.23		1468.4							
	085	00138	04.89	34.410	27.24		1472.4							
	085	00147	04.60	34.420	27.28		1471.3							
	085	00184	03.85	34.630	27.30		1477.2							
	085	00194	06.05	34.630	27.28		1478.0							
	085	00196	03.67	34.620	27.32		1476.5							
	085	00199	03.61	34.610	27.31		1476.3							
	STD	00200	03.62	34.61	27.32	00.217	1476.3							
	085	00205	03.86	34.680	27.34		1477.5							
	085	00226	06.14	34.765	27.37		1475.1							
	085	00239	05.84	34.740	27.39		1476.0							
	085	00249	04.17	34.480	27.38		1471.0							
	STD	00250	04.16	34.48	27.38	00.255	1471.0							
	085	00251	04.15	34.480	27.38		1470.9							
	085	00258	04.07	34.500	27.40		1470.7							
	085	00262	03.71	34.450	27.43		1469.3							
	085	00266	04.14	34.545	27.43		1471.2							
	085	00277	04.78	34.630	27.43		1474.2							
	085	00278	04.78	34.635	27.43		1474.2							
	STD	00300	04.34	34.63	27.48	00.289	1472.7							
	085	00300	04.33	34.628	27.48		1472.7							
	085	00325	04.05	34.840	27.52		1471.9							
	085	00325	04.42	34.750	27.56		1473.7							
	085	00350	04.57	34.765	27.56		1474.7							
	085	00367	04.48	34.750	27.56		1474.6							
	085	00375	04.87	34.820	27.57		1476.4							
	085	00386	04.87	34.840	27.58		1476.6							
	085	00395	04.64	34.825	27.60		1475.8							
	STD	00400	04.65	34.83	27.60	00.349	1475.9							
	085	00403	04.66	34.840	27.61		1476.0							
	085	00451	04.85	34.840	27.59		1477.6							
	STD	00500	04.88	34.94	27.67	00.400	1478.7							
	085	00500	04.88	34.943	27.67		1478.7							
	085	00514	04.61	34.935	27.69		1477.8							
	085	00550	04.76	34.967	27.70		1479.0							
	STD	00600	04.49	34.93	27.70	00.445	1478.7							
	085	00601	04.48	34.925	27.70		1478.7							
	085	00651	04.35	34.920	27.71		1479.0							
	STD	00700	04.44	34.95	27.72	00.495	1480.2							
	085	00700	04.44	34.953	27.72		1480.2							
	085	00750	04.34	34.950	27.73		1480.6							
	STD	00800	04.55	34.97	27.74	00.540	1481.7							
	085	00801	04.39	34.970	27.74		1481.7							
	085	00852	04.28	34.960	27.75		1482.1							
	STD	00900	04.51	34.97	27.75	00.583	1483.0							
	085	00900	04.31	34.975	27.75		1483.0							
	085	00931	04.17	34.950	27.75		1483.2							
	STD	01000	04.02	34.93	27.75	00.630	1483.4							
	085	01010	03.99	34.930	27.75		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 03S12 AIR TEMP 06.0 DJR MGT PER WIND-DIR 18 INST STO RECORDER TEN SQ 1306  
CG45EC 0033 MGNTM 04 SHIP EV WET BULB 05.9 19 1 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
LAT 44 15 N DAY 12 DATA USE 1 BARMETR 1007.8 SEA WIND-FQR DURATION 2 SQUARE 46  
LONG 047 45 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG 01 218 1 SQUARE 47

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	ND2	ND3	S105	PH
05.7	STD	00000	03.74	33.46	26.61	00.000	1463.7							
	085	00001	03.74	33.460	26.61		1463.7							
	STD	00010	03.74	33.46	26.61	00.014	1463.9							
	085	00011	03.74	33.463	26.61		1463.9							
	STD	00020	03.72	33.46	26.61	00.029	1463.9							
	085	00020	03.72	33.460	26.61		1463.9							
	085	00022	03.72	33.440	26.60		1463.9							
	STD	00030	03.71	33.45	26.61	00.043	1464.0							
	085	00030	03.71	33.452	26.61		1464.0							
	085	00043	04.1A	33.597	26.68		1466.4							
	STD	00050	05.11	33.82	26.75	00.071	1470.7							
	085	00051	05.26	33.852	26.76		1471.4							
	085	00055	05.57	33.898	26.76		1472.8							
	085	00059	05.85	33.987	26.79		1474.3							
	STD	00075	05.63	34.00	26.83	00.102	1473.5							
	085	00076	05.48	34.000	26.85		1472.9							
	085	00075	04.85	33.890	26.83		1470.2							
	085	00083	03.26	33.755	26.89		1463.4							
	085	00087	02.42	33.768	26.97		1455.9							
	085	00091	02.09	35.714	26.96		1458.4							
	STD	00100	01.31	35.74	27.03	00.131	1455.1							
	085	00102	01.18	33.747	27.05		1454.6							
	085	00110	01.12	33.750	27.09		1454.5							
	085	00118	02.05	33.545	27.10		1461.6							
	STD	00125	04.78	34.25	27.13	00.156	1471.2							
	085	00125	04.85	34.270	27.13		1471.7							
	085	00135	05.00	34.290	27.13		1472.3							
	085	00135	05.18	34.315	27.13		1473.1							
	085	00144	05.25	34.460	27.24		1473.7							
	STD	00150	05.31	34.46	27.23	00.179	1474.0							
	085	00150	05.31	34.455	27.23		1474.0							
	085	00152	05.28	34.450	27.23		1473.9							
	085	00156	02.93	34.153	27.24		1463.7							
	085	00159	02.38	34.090	27.23		1461.3							
	085	00165	01.82	34.082	27.27		1458.9							
	085	00177	03.64	34.280	27.27		1467.3							
	085	00184	03.71	34.300	27.26		1467.7							
	085	00188	03.54	34.287	27.29		1467.0							
	085	00194	03.01	34.270	27.32		1464.9							
	STD	00200	03.13	34.25	27.33	00.220	1465.5							
	085	00207	03.21	34.308	27.34		1466.0							
	085	00228	02.96	34.340	27.38		1465.3							
	085	00236	03.53	34.420	27.35		1468.0							
	085	00243	03.41	34.430	27.41		1467.6							
	STD	00250	03.70	34.45	27.43	00.256	1465.0							
	085	00251	03.76	34.490	27.43		1469.3							
	085	00253	03.85	34.490	27.42		1465.7							
	085	00258	04.21	34.620	27.48		1471.5							
	085	00276	04.30	34.620	27.47		1472.1							
	STD	00300	04.69	34.75	27.52	00.288	1474.3							
	085	00300	04.70	34.735	27.52		1474.4							
	085	00314	04.75	34.770	27.54		1474.8							
	085	00327	04.62	34.760	27.55		1474.5							
	085	00333	04.24	34.720	27.56		1473.0							
	085	00342	04.49	34.780	27.58		1474.3							
	085	00350	04.48	34.760	27.57		1474.3							
	085	00359	04.73	34.830	27.59		1475.6							
	085	00365	04.33	34.770	27.59		1473.9							
	STD	00400	04.61	34.82	27.60	00.346	1475.8							
	085	00401	04.62	34.810	27.60		1475.8							
	085	00451	04.58	34.830	27.61		1476.5							
	STD	00500	04.45	34.52	27.69	00.396	1476.9							
	085	00504	04.44	34.510	27.70		1476.9							
	085	00550	04.37	34.530	27.71		1477.4							
	STD	00600	04.34	34.54	27.72	00.442	1478.1							
	085	00601	04.34	34.540	27.72		1476.1							
	085	00651	04.23	34.540	27.74		1478.5							
	STD	00700	04.15	34.53	27.74	00.486	1479.0							
	085	00700	04.15	34.930	27.74		1479.0							
	085	00751	04.12	34.930	27.74		1475.7							
	STD	00800	04.03	34.93	27.75	00.530	1480.1							
	085	00801	04.03	34.530	27.75		1480.1							
	085	00850	03.92	34.520	27.75		1480.5							
	STD	00900	03.85	34.52	27.76	00.573	1481.2							
	085	00900	03.89	34.520	27.76		1461.2							
	085	00951	03.81	34.520	27.76		1481.7							
	STD	01000	03.76	34.51	27.76	00.617	1482.3							
	085	01020	03.75	34.657	27.75		1482.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O, C S T A T I O N O A T A

REFID 31 #355 YEAR 1973 BUJTOP 03201 AIR TEMP 07.0 OJR HGT PER WIND-OIR 01 INST STD RECORDER TEN SQ 1306  
 CONSEC 0034 MONTH 04 SHIP EV WET BULB 07.0 22 5 3 WIND-SPO 06 TRACE OIR D 5 SQUARE 2  
 LAT 4 29 M DAY 12 DATA USE 1 BAROMETR 1010.0 SEA 5A WIND-FDR DURATION 2 SQUARE 48  
 LONG 0 48 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 219 1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTM	SND VEL	DRYG	PD4	TOT P	NO2	NO3	S103	PH
09.0	STD	00000	01.91	33.11	26.49	00.000	1455.3							
	OBS	00003	01.91	33.110	26.49		1455.3							
	OBS	00005	01.91	33.100	26.48		1455.4							
	STD	00010	01.91	33.10	26.48	00.016	1455.4							
	OBS	00011	01.91	33.100	26.48		1455.5							
	STD	00020	02.07	33.20	26.55	00.031	1456.4							
	OBS	00022	02.18	33.240	26.57		1457.0							
	STD	00030	02.60	33.38	26.65	00.045	1455.1							
	OBS	00030	02.62	33.390	26.66		1455.3							
	OBS	00041	03.02	33.493	26.70		1461.3							
	OBS	00045	03.34	33.557	26.73		1462.9							
	OBS	00045	05.45	33.550	26.74		1463.4							
	STD	00050	05.38	33.55	26.72	00.073	1463.1							
	OBS	00055	01.66	33.400	26.74		1455.5							
	OBS	00060	01.15	33.453	26.84		1453.6							
	OBS	00066	01.54	33.550	26.88		1454.4							
	OBS	00070	02.02	33.595	26.87		1457.6							
	OBS	00072	02.11	33.606	26.87		1458.0							
	STD	00075	02.26	33.62	26.87	00.104	1458.8							
	OBS	00076	02.51	33.648	26.87		1455.9							
	OBS	00078	03.14	33.730	26.88		1462.8							
	OBS	00083	05.06	34.060	26.95		1471.4							
	OBS	00085	05.17	34.076	26.95		1471.9							
	OBS	00093	04.45	33.950	26.93		1468.9							
	STD	00100	02.52	33.80	26.99	00.135	1460.5							
	OBS	00100	02.39	33.790	26.99		1460.0							
	OBS	00104	02.18	33.780	27.00		1456.1							
	OBS	00108	02.31	33.800	27.01		1459.8							
	OBS	00112	02.70	33.820	27.07		1461.7							
	OBS	00115	03.30	34.060	27.15		1464.6							
	OBS	00121	04.42	34.280	27.19		1469.7							
	STD	00125	04.50	34.28	27.18	00.158	1470.0							
	OBS	00125	04.54	34.280	27.18		1470.2							
	OBS	00131	05.32	34.407	27.19		1473.7							
	OBS	00140	05.50	34.500	27.15		1476.3							
	STD	00150	05.50	34.50	27.19	00.160	1476.5							
	OBS	00150	05.50	34.500	27.15		1476.5							
	OBS	00156	05.53	34.475	27.22		1475.0							
	OBS	00167	05.53	34.450	27.23		1475.3							
	OBS	00175	05.93	34.605	27.27		1477.2							
	OBS	00177	05.82	34.613	27.29		1476.7							
	OBS	00184	05.53	34.630	27.25		1477.3							
	STD	00200	05.22	34.55	27.31	00.225	1474.6							
	OBS	00205	05.09	34.540	27.32		1474.2							
	OBS	00211	05.03	34.540	27.33		1474.0							
	OBS	00218	04.43	34.480	27.35		1471.6							
	OBS	00222	04.49	34.480	27.34		1471.9							
	OBS	00230	03.78	34.450	27.39		1465.0							
	OBS	00234	03.83	34.495	27.42		1465.3							
	OBS	00235	04.40	34.604	27.45		1471.9							
	STD	00250	04.42	34.62	27.46	00.259	1472.2							
	OBS	00253	04.43	34.620	27.46		1472.3							
	OBS	00255	04.41	34.620	27.46		1472.3							
	OBS	00276	04.02	34.600	27.45		1470.9							
	STD	00300	04.35	34.67	27.51	00.251	1472.7							
	OBS	00302	04.36	34.673	27.51		1472.9							
	OBS	00350	04.81	34.830	27.58		1475.8							
	OBS	00373	05.02	34.845	27.57		1477.0							
	OBS	00378	05.34	34.950	27.62		1478.6							
	STD	00400	05.27	34.53	27.61	00.345	1478.6							
	OBS	00401	05.26	34.930	27.61		1478.6							
	OBS	00451	04.53	34.560	27.67		1478.1							
	OBS	00481	04.61	34.520	27.68		1477.2							
	STD	00500	04.61	34.54	27.67	00.400	1478.4							
	OBS	00500	04.81	34.945	27.67		1478.4							
	OBS	00550	04.81	34.970	27.69		1479.3							
	STD	00600	04.72	34.57	27.70	00.448	1475.7							
	OBS	00601	04.72	34.570	27.71		1475.7							
	OBS	00651	04.57	34.570	27.72		1475.5							
	STD	00700	04.55	34.57	27.72	00.494	1480.7							
	OBS	00700	04.55	34.970	27.72		1460.7							
	OBS	00750	04.46	34.970	27.73		1481.1							
	STD	00800	04.17	34.94	27.74	00.535	1480.7							
	OBS	00801	04.16	34.540	27.74		1480.7							
	OBS	00850	04.06	34.930	27.75		1481.1							
	STD	00900	03.51	34.52	27.75	00.583	1481.3							
	OBS	00917	03.90	34.520	27.75		1481.5							
	OBS	00951	03.53	34.920	27.75		1482.2							
	STD	01000	03.89	34.52	27.76	00.627	1482.6							
	OBS	01003	03.88	34.520	27.76		1482.9							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 0355	YEAR 1973	BOTOP 02012	AIR TEMP 08.8	DIR HGT PER	WIND-DIR 23	INST STO RECORDER	TEN SJ 1506
CONSEC 0035	MCNTH 04	SHIP EV	WET BULB 08.2	17 6 5	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 44 37.1N	DAY 12	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 148 45 W	HOOR 12.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 220	1 SQUARE 46

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIOS	PH
12.9	STO	00000	- 1.45	32.77	26.38	00.000	1439.4							
	OBS	00001	- 1.45	32.773	26.38		1439.5							
	OBS	00003	- 1.48	32.770	26.38		1439.4							
	STO	00010	- 1.49	32.86	26.45	00.016	1439.5							
	OBS	00011	- 1.49	32.867	26.46		1439.6							
	STO	00020	- 1.46	32.86	26.46	00.032	1439.8							
	OBS	00020	- 1.46	32.860	26.45		1439.9							
	STO	00030	- 1.42	32.88	26.47	00.048	1440.2							
	OBS	00030	- 1.42	32.880	26.47		1440.2							
	OBS	00040	- 1.34	32.905	26.49		1440.8							
	STO	00050	- 1.30	33.09	26.64	00.070	1441.4							
	OBS	00051	- 1.30	33.110	26.65		1441.5							
	STO	00075	- 1.56	33.22	26.75	00.111	1440.8							
	OBS	00078	- 1.58	33.240	26.77		1440.8							
	OBS	00059	- 1.60	33.350	26.86		1441.2							
	STO	00100	- 1.59	33.35	26.86	00.143	1441.2							
	OBS	00100	- 1.59	33.357	26.86		1441.3							
	STO	00125	- 1.36	33.44	26.92	00.172	1442.9							
	OBS	00125	- 1.35	33.440	26.92		1442.9							
	STO	00150	- 1.06	33.55	27.00	00.199	1444.9							
	OBS	00150	- 1.05	33.550	27.00		1444.9							
	OBS	00175	- 0.62	33.720	27.12		1447.5							
	STO	00200	00.00	33.50	27.24	00.246	1451.1							
	OBS	00205	00.10	33.526	27.26		1451.7							
	OBS	00226	00.21	33.540	27.26		1453.0							
	STO	00250	00.56	34.06	27.34	00.286	1454.7							
	OBS	00251	00.58	34.070	27.35		1454.8							
	OBS	00276	00.98	34.140	27.38		1457.0							
	STO	00300	01.49	34.29	27.46	00.320	1460.0							
	OBS	00300	01.52	34.295	27.47		1460.1							
	OBS	00306	01.76	34.317	27.47		1461.3							
	OBS	00312	01.76	34.370	27.51		1461.6							
	OBS	00319	02.59	34.486	27.53		1465.4							
	OBS	00351	02.82	34.490	27.52		1466.6							
	OBS	00336	03.40	34.615	27.56		1465.5							
	OBS	00350	03.58	34.635	27.56		1470.4							
	OBS	00371	03.51	34.677	27.60		1470.5							
	OBS	00378	04.07	34.750	27.60		1473.1							
	STO	00400	04.56	34.83	27.61	00.378	1475.6							
	OBS	00401	04.58	34.835	27.61		1475.7							
	OBS	00416	04.58	34.830	27.61		1475.9							
	OBS	00424	04.24	34.770	27.60		1474.5							
	OBS	00428	04.37	34.783	27.60		1475.2							
	OBS	00434	04.05	34.765	27.62		1475.9							
	OBS	00451	03.95	34.770	27.63		1473.8							
	STO	00500	04.18	34.82	27.65	00.430	1475.6							
	OBS	00500	04.18	34.820	27.65		1475.6							
	OBS	00550	04.14	34.830	27.66		1476.3							
	STO	00600	04.18	34.83	27.65	00.481	1477.3							
	OBS	00601	04.18	34.830	27.65		1477.3							
	OBS	00652	04.20	34.840	27.66		1478.3							
	STO	00700	04.12	34.84	27.67	00.551	1478.7							
	OBS	00700	04.12	34.840	27.67		1478.7							
	OBS	00750	04.09	34.840	27.67		1475.4							
	STO	00800	04.04	34.84	27.68	00.582	1480.0							
	OBS	00801	04.04	34.840	27.68		1480.1							
	OBS	00850	04.00	34.840	27.68		1480.7							
	STO	00900	03.99	34.84	27.68	00.632	1481.5							
	OBS	00900	03.99	34.840	27.68		1481.5							
	OBS	00951	03.95	34.840	27.69		1482.2							
	STO	01000	03.98	34.90	27.73	00.681	1483.2							
	OBS	01012	04.00	34.930	27.75		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 2250 YEAR 1973 BOTOP 00350 AIR TEMP 06.8 DIR HGT PER WIND-OIR 10 INST STO RECORDER TEN SQ 1306  
 CONSEC 0030 MONTM 04 SHIP EV WET BULB 04.2 23 2 A WIND-SPO 21 TRACE OIR 0 5 SQUARE 2  
 LAT 44 37 N GAY 12 DATA USE 1 BAROMETR 1008.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 048 57 W HOUR 15.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG J11 221 1 SQUARE 48

CASNUM/TIME	LVL	TYPE	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
15.0	STO	00000		- 1.44	32.91	26.49	00.000	1435.7							
	08S	00001		- 1.44	32.910	26.49		1435.7							
	08S	00005		- 1.49	32.698	26.49		1435.5							
	STO	00010		- 1.51	32.91	26.50	00.015	1435.5							
	08S	00011		- 1.52	32.910	26.50		1435.5							
	STO	00020		- 1.55	32.91	26.50	00.031	1435.5							
	08S	00020		- 1.55	32.910	26.50		1435.5							
	STO	00030		- 1.55	32.91	26.50	00.046	1435.7							
	08S	00030		- 1.55	32.910	26.50		1435.7							
	STO	00050		- 1.57	32.91	26.50	00.077	1435.9							
	08S	00051		- 1.57	32.910	26.50		1435.9							
	08S	00070		- 1.67	33.090	26.65		1440.0							
	STO	00075		- 1.64	33.15	26.70	00.113	1440.3							
	08S	00078		- 1.63	33.190	26.73		1440.5							
	STO	00100		- 1.62	33.25	26.77	00.146	1441.0							
	08S	00102		- 1.62	33.260	26.76		1441.0							
	STO	00125		- 1.43	33.38	26.87	00.177	1442.4							
	08S	00125		- 1.43	33.380	26.88		1442.5							
	STO	00150		- 1.37	33.40	26.89	00.206	1443.2							
	08S	00150		- 1.37	33.400	26.89		1443.2							
	08S	00177		- 1.15	33.460	26.93		1444.7							
	STO	00200		- 0.69	33.71	27.12	00.259	1447.6							
	08S	00201		- 0.65	33.720	27.12		1447.6							
	08S	00226		- 0.17	33.800	27.17		1450.6							
	STO	00250		00.10	33.92	27.25	00.303	1452.4							
	08S	00251		00.12	33.930	27.26		1452.5							
	08S	00275		00.47	34.065	27.35		1456.8							
	STO	00300		00.90	34.15	27.53	00.341	1457.2							
	08S	00300		00.92	34.150	27.53		1457.3							
	08S	00327		01.48	34.300	27.47		1460.4							
	08S	00355		01.75	34.345	27.49		1461.8							
	08S	00350		02.21	34.408	27.50		1464.1							
	08S	00354		02.23	34.450	27.53		1466.4							
	08S	00365		03.54	34.610	27.54		1470.5							
	08S	00386		03.26	34.585	27.55		1469.5							
	STO	00400		03.67	34.64	27.55	00.405	1471.6							
	08S	00401		03.72	34.640	27.55		1471.8							
	08S	00409		03.45	34.630	27.57		1470.8							
	08S	00420		04.22	34.770	27.60		1474.4							
	08S	00443		04.26	34.770	27.60		1474.9							
	08S	00447		04.06	34.770	27.62		1474.2							
	08S	00454		04.33	34.820	27.63		1475.5							
	08S	00451		04.72	34.500	27.65		1477.8							
	STO	00500		04.69	34.49	27.65	00.460	1477.8							
	STO	00600		04.39	34.85	27.65	00.511	1478.2							
	08S	00626		04.31	34.850	27.66		1478.3							
	08S	00635		04.24	34.850	27.66		1476.2							
	08S	00668		04.22	34.850	27.67		1478.6							
	STO	00700		04.12	34.85	27.68	00.561	1478.7							
	08S	00704		04.11	34.850	27.68		1478.7							
	STO	00800		04.09	34.85	27.68	00.611	1480.3							
	STO	00900		03.97	34.85	27.69	00.661	1481.4							
	08S	00934		03.91	34.850	27.70		1481.7							
	08S	00953		03.67	34.845	27.70		1481.9							
	STO	01000		03.84	34.85	27.70	00.711	1482.5							
	08S	01014		03.63	34.850	27.71		1482.7							

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REFID 31 8555 YEAR 1973 BOTOP 00274 AIR TEMP 03.0 DIR HGT PER WIND-OIR 10 INST STO RECORDER TEN SQ 1306  
 CONSEC 0037 MONTM 04 SHIP EV WET BULB 03.0 17 3 4 WIND-SPO 06 TRACE OIR 0 5 SQUARE 2  
 LAT 44 30.5N GAY 12 DATA USE 1 BAROMETR 1003.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 049 34 W HOUR 16.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG O11 222 1 SQUARE 45

CASNUM/TIME	LVL	TYPE	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
16.3	STO	00000		- 1.28	32.82	26.42	00.000	1440.3							
	08S	00001		- 1.28	32.817	26.42		1440.3							
	STO	00010		- 1.42	32.89	26.48	00.016	1439.9							
	08S	00011		- 1.44	32.900	26.49		1439.9							
	STO	00020		- 1.47	32.60	26.46	00.031	1439.9							
	08S	00020		- 1.47	32.600	26.49		1439.9							
	STO	00030		- 1.47	32.60	26.49	00.047	1440.0							
	08S	00030		- 1.47	32.600	26.49		1440.0							
	STO	00050		- 1.48	32.60	26.49	00.078	1440.3							
	08S	00051		- 1.48	32.607	26.49		1440.3							
	STO	00075		- 1.52	33.16	26.70	00.114	1440.9							
	08S	00076		- 1.53	33.183	26.72		1440.9							
	STO	00100		- 1.57	33.26	26.78	00.147	1441.2							
	08S	00100		- 1.57	33.260	26.78		1441.2							
	08S	00116		- 1.65	33.255	26.78		1441.1							
	STO	00125		- 1.56	33.30	26.81	00.178	1441.7							
	08S	00125		- 1.56	33.298	26.81		1441.7							
	STO	00150		- 1.49	33.36	26.86	00.209	1442.5							
	08S	00150		- 1.49	33.357	26.86		1442.6							
	08S	00175		- 1.48	33.385	26.88		1443.1							
	08S	00190		- 1.25	33.470	26.94		1444.5							
	STO	00200		- 1.10	33.52	26.98	00.265	1445.4							
	08S	00203		- 1.02	33.550	27.00		1445.5							
	08S	00226		- 0.28	33.790	27.16		1450.1							
	STO	00250		- 0.09	33.91	27.23	00.313	1451.5							
	08S	00251		- 0.05	33.915	27.25		1451.7							
	08S	00260		00.33	33.942	27.26		1453.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	BOTOP 00074	AIR TEMP 10.5	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SW 1506
CONSEC 033B	MONTH 04	SHIP EV	WET BULB 10.1	24 2 X	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 38 N	DAY 12	DATA USE 1	BAROMETR 1008.5	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 049 11 W	HOVR 17.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIG 011 223	1 SQUARE 45

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.4	STD	00000	- 0.98	32.90	26.47	00.000	1441.8							
	085	00005	- 0.98	32.898	26.47		1441.9							
	085	00009	- 1.04	32.895	26.47		1441.7							
	STD	00010	- 1.05	32.90	26.47	00.016	1441.7							
	085	00011	- 1.08	32.898	26.48		1441.5							
	STD	00020	- 1.10	32.90	26.48	00.031	1441.6							
	085	00023	- 1.10	32.903	26.48		1441.6							
	STD	00030	- 1.11	32.90	26.48	00.047	1441.7							
	085	00030	- 1.11	32.900	26.48		1441.7							
	STD	00050	- 1.12	32.90	26.50	00.078	1442.0							
	085	00051	- 1.12	32.940	26.51		1442.1							
	085	00062	- 1.34	33.108	26.65		1441.5							
	085	00066	- 1.34	33.107	26.65		1441.5							

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REFID 31 8355	YEAR 1973	BOTOP 00064	AIR TEMP 03.2	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SW 1506
CONSEC 0339	MONTH 04	SHIP EV	WET BULB 02.5	18 3 5	WIND-SPD 14	TRACE DIR 0	5 SQUARE 2
LAT 44 41 N	DAY 12	DATA USE 1	BAROMETR 1008.8	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 049 16 W	HOVR 16.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	DRIG 011 224	1 SQUARE 45

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	STD	00000	- 0.61	32.68	26.28	00.000	1443.2							
	085	00001	- 0.61	32.680	26.28		1443.3							
	STD	00010	- 0.83	32.71	26.51	00.017	1442.4							
	085	00011	- 0.86	32.720	26.52		1442.3							
	STD	00020	- 1.05	32.82	26.41	00.034	1441.7							
	085	00023	- 1.06	32.827	26.42		1441.7							
	STD	00030	- 1.13	32.85	26.47	00.050	1441.6							
	085	00030	- 1.13	32.893	26.47		1441.6							
	085	00049	- 1.28	32.900	26.48		1441.2							
	STD	00050	- 1.28	32.90	26.48	00.061	1441.3							
	085	00051	- 1.27	32.900	26.48		1441.3							
	085	00059	- 1.28	32.920	26.50		1441.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 51 8355	YEAR 1973	BOTOP 03670	AIR TEMP 10.0	DIR MGT PER	WIND-DIR 19	INST STO RECORDER	TEMP SQ 1300
COMSEC 0040	MOYIM 04	SHIP EV	WET BULB 09.8	SEA 20 1 4	WIND-SPD 08	TRACE DIA 0	5 SQUARE 2
LAT 44 42 N	DAY 13	DATA USE 1	BAROMETR 1018.0	CL/TR	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 02.5W	MOUJ 14.3	AREA 05	CLOUD T/A		WEATHER X2	ORIG 011 225	1 SQUARE 46

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNG VEL	DXYG	P04	TOT P	NO2	NO3	SIO3	PH
14.3	STO	00200	03.04	33.35	20.58	00.000	1460.7							
	085	00205	03.08	33.350	20.58		1460.8							
	STO	00210	02.56	33.22	20.57	00.015	1460.3							
	085	00211	02.52	33.520	20.57		1460.2							
	STO	00220	02.76	33.37	20.63	00.025	1459.7							
	085	00220	02.75	33.370	20.63		1459.7							
	085	00226	02.74	33.370	20.63		1459.7							
	STO	00230	02.74	33.38	20.64	00.043	1459.8							
	085	00230	02.74	33.360	20.64		1459.8							
	085	00238	02.76	33.380	20.64		1460.0							
	STO	00250	06.66	34.16	20.82	00.070	1477.4							
	085	00251	06.97	34.220	20.83		1476.8							
	STO	00275	07.13	34.23	20.81	00.101	1475.8							
	085	00276	07.14	34.250	20.83		1479.5							
	085	00279	06.52	34.340	20.99		1477.6							
	085	00283	06.36	34.400	27.05		1477.1							
	085	00287	06.73	34.480	27.37		1478.7							
	085	00291	06.78	34.490	27.07		1479.0							
	085	00295	07.39	34.680	27.13		1481.7							
	STO	00300	07.49	34.71	27.14	00.129	1482.2							
	085	00100	07.52	34.710	27.14		1482.4							
	085	00102	07.55	34.720	27.13		1482.7							
	085	00121	07.12	34.650	27.18		1481.1							
	085	00123	07.41	34.750	27.18		1482.4							
	STO	00125	07.36	34.74	27.18	00.152	1482.1							
	085	00133	06.73	34.630	27.19		1479.7							
	085	00144	05.03	34.360	27.15		1472.7							
	STO	00150	04.93	34.36	27.20	00.175	1472.3							
	085	00150	04.92	34.365	27.20		1472.3							
	085	00159	05.42	34.467	27.22		1474.7							
	085	00161	05.41	34.470	27.23		1474.6							
	085	00167	05.09	34.416	27.23		1475.4							
	085	00169	05.08	34.420	27.23		1473.4							
	085	00171	05.35	34.460	27.23		1474.5							
	085	00177	05.39	34.480	27.24		1474.8							
	085	00180	04.95	34.417	27.24		1473.0							
	085	00196	04.72	34.400	27.25		1472.3							
	STO	00200	04.94	34.44	27.26	00.218	1473.3							
	085	00201	05.03	34.460	27.27		1473.7							
	085	00209	04.28	34.372	27.28		1470.6							
	085	00213	04.24	34.400	27.31		1470.6							
	085	00217	04.72	34.470	27.31		1472.7							
	085	00216	04.74	34.485	27.32		1472.9							
	085	00224	05.42	34.600	27.33		1475.9							
	085	00226	05.50	34.613	27.33		1476.3							
	085	00239	06.12	34.740	27.35		1475.2							
	STO	00250	06.05	34.75	27.37	00.258	1475.1							
	085	00251	06.05	34.750	27.37		1479.1							
	085	00255	06.05	34.750	27.37		1479.1							
	085	00266	04.27	34.490	27.37		1471.7							
	085	00276	04.14	34.502	27.40		1471.3							
	085	00279	04.75	34.620	27.42		1474.2							
	085	00283	04.88	34.620	27.41		1474.7							
	085	00287	04.60	34.600	27.43		1473.6							
	STO	00300	04.63	34.65	27.45	00.294	1473.8							
	085	00304	04.60	34.630	27.45		1473.9							
	085	00308	04.61	34.630	27.45		1474.0							
	085	00321	05.15	34.740	27.47		1476.6							
	085	00331	05.39	34.752	27.45		1476.5							
	085	00338	05.37	34.815	27.51		1477.9							
	085	00344	05.41	34.820	27.51		1478.1							
	085	00350	04.97	34.760	27.51		1476.3							
	085	00357	04.68	34.735	27.52		1475.2							
	085	00263	05.19	34.820	27.53		1477.5							
	STO	00400	04.51	34.81	27.56	00.357	1477.0							
	085	00401	04.50	34.813	27.56		1477.0							
	085	00474	05.00	34.843	27.57		1478.6							
	STO	00500	04.71	34.83	27.60	00.414	1477.8							
	085	00500	04.70	34.830	27.60		1477.8							
	085	00573	04.58	34.910	27.67		1478.6							
	STO	00600	04.50	34.91	27.68	00.466	1478.7							
	085	00605	04.49	34.910	27.68		1478.8							
	085	00665	04.76	34.950	27.68		1481.3							
	STO	00700	04.77	34.96	27.65	00.515	1481.6							
	085	00700	04.77	34.958	27.69		1481.6							
	085	00750	04.65	34.950	27.70		1481.9							
	STO	00800	04.49	34.97	27.73	00.503	1462.1							
	085	00801	04.49	34.970	27.73		1482.1							
	085	00650	04.42	34.957	27.73		1462.6							
	STO	00900	04.09	34.92	27.74	00.609	1482.0							
	085	00900	04.09	34.922	27.74		1482.0							
	085	00951	04.02	34.920	27.74		1482.6							
	STO	01000	04.02	34.92	27.74	00.654	1483.4							
	085	01007	04.02	34.923	27.74		1483.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 03475 AIR TEMP 05.0 DIR HGT PER WIND-DIR 3c INST STO RECORDER TEM SO 130c  
CONSEC 0041 MONTH 04 SMP EV WET BULB 04.2 06 1 5 WIND-SPO 02 TRACE DIR C 5 SQUARE 2  
LAT 44 59 N DAY 49 DATA USE 1 BAROMETR 1017.2 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 046 29 W MOJA 17.8 AREA 05 CLOUD 1/A CL/TR WEATHER X2 ORIG 011 226 1 SQUARE 46

CASSTNUN/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPM	SNO VEL	OXYG	P04	TOT P	NO2	NJ3	S103	PH
17.0	STO	00000	03.11	35.33	26.57	00.000	1460.8							
	085	00005	03.11	33.330	26.57		1460.9							
	STO	00010	02.98	33.34	26.58	00.015	1460.4							
	085	00015	02.85	33.340	26.59		1460.1							
	STO	00020	02.86	35.34	26.60	00.029	1460.1							
	085	00020	02.86	32.340	26.60		1460.1							
	STO	00030	02.82	33.34	26.60	00.044	1460.1							
	085	00030	02.82	33.340	26.60		1460.1							
	STO	00050	02.81	35.35	26.61	00.073	1460.3							
	085	00051	02.79	33.350	26.61		1460.3							
	STO	00075	02.24	33.38	26.66	00.108	1458.3							
	085	00076	02.21	35.380	26.68		1458.2							
	085	00085	02.30	35.705	26.93		1455.2							
	085	00089	01.30	33.685	26.99		1454.8							
	085	00095	01.25	33.680	26.99		1454.7							
	085	00099	01.97	33.795	27.03		1458.1							
	STO	00100	01.50	33.76	27.04	00.138	1456.0							
	085	00106	- 0.07	35.647	27.04		1448.9							
	085	00114	01.44	33.793	27.07		1456.0							
	085	00121	01.25	33.750	27.08		1455.5							
	STO	00125	01.43	33.85	27.11	00.163	1456.2							
	085	00127	01.54	35.867	27.12		1456.8							
	085	00129	01.38	33.865	27.13		1456.1							
	085	00137	02.52	34.035	27.18		1461.5							
	085	00142	02.43	34.060	27.21		1461.2							
	STO	00150	05.20	34.21	27.26	00.185	1464.5							
	085	00150	03.23	34.216	27.26		1465.0							
	085	00165	05.32	34.273	27.30		1465.7							
	085	00171	03.66	34.382	27.35		1467.4							
	085	00173	05.71	34.383	27.35		1467.7							
	085	00194	05.80	34.425	27.37		1468.4							
	085	00196	04.11	34.475	27.36		1469.8							
	STO	00200	04.05	34.47	27.36	00.224	1469.8							
	085	00207	04.04	34.464	27.38		1469.7							
	085	00276	03.75	34.470	27.41		1469.0							
	STO	00250	03.77	34.54	27.47	00.259	1465.4							
	085	00255	05.76	34.543	27.47		1469.4							
	085	00264	03.50	34.535	27.45		1466.5							
	085	00276	03.83	34.610	27.52		1470.2							
	085	00281	05.77	34.619	27.55		1470.0							
	STO	00300	04.02	34.70	27.57	00.285	1471.5							
	085	00300	04.03	34.707	27.57		1471.5							
	085	00350	04.27	34.744	27.56		1473.4							
	STO	00400	04.36	34.81	27.62	00.345	1474.7							
	085	00401	04.36	34.810	27.62		1474.7							
	085	00451	04.33	34.810	27.62		1475.4							
	STO	00500	04.35	34.83	27.63	00.395	1476.3							
	085	00503	04.55	34.830	27.64		1476.3							
	085	00550	04.20	34.910	27.71		1476.6							
	STO	00600	04.31	34.93	27.72	00.443	1478.0							
	085	00601	04.31	34.930	27.72		1478.0							
	085	00651	04.27	34.930	27.72		1478.6							
	STO	00700	04.24	34.94	27.73	00.488	1479.5							
	085	00700	04.24	34.940	27.73		1479.5							
	085	00750	04.13	34.930	27.74		1479.7							
	STO	00800	04.08	34.94	27.75	00.531	1480.3							
	085	00801	04.08	34.940	27.75		1480.4							
	085	00853	04.10	34.950	27.76		1481.3							
	STO	00900	03.62	34.93	27.76	00.575	1481.3							
	085	00900	03.62	34.925	27.76		1481.3							
	085	00951	03.86	34.925	27.76		1481.9							
	STO	01000	03.82	34.92	27.76	00.618	1482.6							
	085	01016	03.81	34.920	27.76		1482.8							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BGTOP 03475 AIR TEMP 03.9 OIR HGT PER WIND-OIR 31 INST STO RECORDER TEN SQ 1306  
 CONSEC 0042 MONTH 04 SHIP EV WET BULB 03.8 25 2 4 WIND-SPO 06 TRACE OIR 0 5 SQUARE 4  
 LAT 45 11.5N DAY 15 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR QUANTION 2 SQUARE 46  
 LONG 046 48.0 MJR 20.6 AREA 05 CLOUD T/A CL/T/A WEATHER X2 ORIG Q11 227 1 SQUARE 56

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	M02	M03	S103	PH
20.6	STO	00000	03.18	33.37	26.55	00.000	1461.2							
	OBS	00005	03.18	33.373	26.55		1461.3							
	OBS	00009	03.15	33.360	26.59		1461.2							
	STO	00010	03.14	33.36	26.59	00.015	1461.2							
	OBS	00011	03.12	33.360	26.59		1461.1							
	STO	00020	03.02	33.36	26.61	00.029	1460.8							
	OBS	00020	03.01	33.377	26.61		1460.8							
	STO	00030	03.02	33.37	26.61	00.043	1461.0							
	OBS	00030	03.02	33.372	26.61		1461.0							
	STO	00050	02.83	33.37	26.62	00.072	1460.5							
	OBS	00053	02.81	33.365	26.62		1460.4							
	OBS	00074	02.77	33.497	26.73		1460.8							
	STO	00075	02.66	33.51	26.75	00.106	1460.4							
	OBS	00075	02.21	33.570	26.83		1460.5							
	STO	00100	01.65	33.75	27.02	00.136	1456.7							
	OBS	00100	01.63	33.755	27.02		1456.6							
	OBS	00104	01.68	33.782	27.04		1456.9							
	OBS	00110	01.89	33.797	27.04		1457.9							
	OBS	00112	01.66	33.775	27.04		1456.9							
	OBS	00118	01.52	33.500	27.15		1456.6							
	STO	00125	02.15	34.04	27.21	00.160	1459.7							
	OBS	00125	02.20	34.050	27.22		1455.5							
	OBS	00137	03.03	34.315	27.36		1464.1							
	OBS	00140	04.04	34.433	27.35		1468.6							
	OBS	00146	04.30	34.450	27.34		1465.8							
	STO	00150	04.24	34.45	27.34	00.180	1465.6							
	OBS	00156	04.18	34.440	27.34		1465.4							
	OBS	00171	04.36	34.540	27.40		1470.6							
	OBS	00175	04.76	34.600	27.41		1472.4							
	OBS	00188	04.04	34.490	27.40		1469.4							
	OBS	00192	04.18	34.517	27.41		1470.1							
	OBS	00198	03.87	34.475	27.40		1468.9							
	STO	00200	03.55	34.47	27.39	00.217	1469.2							
	OBS	00201	04.01	34.473	27.39		1469.5							
	OBS	00209	04.02	34.484	27.40		1469.7							
	OBS	00213	03.85	34.486	27.41		1465.0							
	OBS	00226	04.17	34.580	27.46		1470.8							
	OBS	00230	04.45	34.615	27.45		1472.0							
	STO	00250	04.36	34.62	27.47	00.251	1471.9							
	OBS	00251	04.35	34.620	27.47		1471.9							
	OBS	00276	04.53	34.756	27.56		1473.3							
	STO	00300	04.56	34.76	27.56	00.262	1473.8							
	OBS	00300	04.56	34.760	27.56		1473.8							
	OBS	00350	04.64	34.660	27.63		1475.1							
	OBS	00354	04.59	34.920	27.63		1476.7							
	STO	00400	05.03	34.96	27.66	00.355	1477.7							
	OBS	00401	05.03	34.960	27.66		1477.7							
	OBS	00451	04.91	34.560	27.68		1476.0							
	STO	00500	04.83	34.55	27.68	00.364	1476.5							
	OBS	00500	04.83	34.550	27.68		1478.5							
	OBS	00550	04.70	34.545	27.69		1478.8							
	STO	00600	04.63	34.54	27.69	00.432	1479.3							
	OBS	00601	04.63	34.540	27.69		1479.3							
	OBS	00651	04.45	34.553	27.72		1479.4							
	STO	00700	04.35	34.96	27.73	00.478	1480.0							
	OBS	00702	04.59	34.960	27.73		1480.0							
	OBS	00750	04.31	34.960	27.74		1480.5							
	STO	00800	04.24	34.95	27.74	00.522	1481.0							
	OBS	00801	04.24	34.950	27.74		1481.0							
	OBS	00850	04.13	34.950	27.75		1481.4							
	STO	00900	04.07	34.94	27.75	00.567	1482.0							
	OBS	00900	04.07	34.935	27.75		1482.0							
	OBS	00951	03.65	34.540	27.77		1482.3							
	STO	01000	03.96	34.94	27.77	00.611	1483.2							
	OBS	01007	03.97	34.542	27.76		1483.3							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	8070P 02103	AIR TEMP 04.4	DIR HGT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1006
CONSEC 0043	MDNTH 04	SMIP EV	MET BULB 03.9	06 0 X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 45 19 N	DAY 19	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 12 W	HOJR 18.4	AREA 05	CLOUD 7/A	CL/TR	WEATHER XJ	DRIG 011 228	1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DRYG	PJ4	TGT P	MO2	MO3	S103	PH
18.4	STG	00000	04.25	33.53	26.62	00.000	1465.9							
	OBS	00001	04.25	33.535	26.62		1466.0							
	STO	00010	04.29	33.55	26.63	00.014	1466.3							
	OBS	00011	04.30	33.555	26.63		1466.4							
	STO	00020	04.35	33.58	26.64	00.026	1466.8							
	OBS	00020	04.36	33.580	26.64		1466.8							
	STO	00030	04.22	33.58	26.66	00.042	1466.3							
	OBS	00030	04.21	33.580	26.66		1466.3							
	STO	00050	04.23	33.58	26.66	00.070	1466.7							
	OBS	00051	04.23	33.580	26.66		1466.8							
	OBS	00064	03.87	33.835	26.90		1465.8							
	OBS	00066	04.12	34.063	27.05		1467.2							
	OBS	00070	05.05	34.215	27.07		1471.3							
	OBS	00074	05.41	34.260	27.08		1473.0							
	STO	00075	05.44	34.26	27.08	00.100	1473.1							
	OBS	00076	05.48	34.290	27.08		1473.3							
	OBS	00079	05.55	34.375	27.14		1473.7							
	OBS	00083	06.04	34.457	27.14		1475.9							
	STO	00100	06.05	34.49	27.16	00.125	1476.3							
	OBS	00102	06.07	34.490	27.16		1476.4							
	OBS	00112	06.16	34.480	27.14		1476.9							
	STO	00125	05.75	34.48	27.20	00.147	1475.5							
	OBS	00129	05.67	34.486	27.21		1475.2							
	OBS	00148	05.66	34.600	27.30		1475.6							
	STO	00150	05.62	34.62	27.29	00.165	1476.5							
	OBS	00150	05.86	34.620	27.25		1476.5							
	OBS	00175	05.69	34.615	27.31		1476.2							
	STO	00200	05.59	34.65	27.35	00.208	1476.2							
	OBS	00201	05.58	34.665	27.36		1476.3							
	OBS	00222	06.14	34.853	27.44		1475.1							
	OBS	00236	05.79	34.808	27.45		1477.9							
	OBS	00239	05.83	34.820	27.45		1476.1							
	OBS	00247	05.40	34.745	27.45		1476.4							
	STO	00250	05.52	34.80	27.48	00.243	1477.0							
	OBS	00251	05.56	34.820	27.49		1477.2							
	OBS	00256	05.54	34.810	27.48		1477.2							
	OBS	00270	05.13	34.750	27.48		1475.7							
	OBS	00277	05.02	34.750	27.50		1475.3							
	STO	00300	04.96	34.76	27.51	00.275	1475.5							
	OBS	00300	04.96	34.763	27.51		1475.5							
	OBS	00325	04.72	34.760	27.53		1475.1							
	OBS	00340	05.04	34.810	27.54		1476.5							
	OBS	00354	05.27	34.640	27.54		1477.7							
	STO	00400	04.56	34.83	27.57	00.334	1477.2							
	OBS	00401	04.55	34.830	27.57		1477.2							
	OBS	00451	04.87	34.940	27.66		1477.8							
	STO	00500	04.78	34.55	27.68	00.367	1478.3							
	OBS	00500	04.78	34.950	27.68		1478.3							
	OBS	00550	04.62	34.550	27.70		1478.4							
	STO	00600	04.53	34.55	27.71	00.454	1478.9							
	OBS	00601	04.53	34.550	27.71		1478.6							
	OBS	00652	04.37	34.537	27.72		1475.1							
	STO	00700	04.26	34.94	27.73	00.479	1479.5							
	OBS	00700	04.28	34.940	27.73		1475.5							
	OBS	00750	04.19	34.530	27.73		1475.6							
	STO	00800	04.06	34.92	27.74	00.524	1480.2							
	OBS	00801	04.06	34.920	27.74		1480.2							
	OBS	00850	03.98	34.910	27.74		1480.7							
	STO	00900	03.96	34.92	27.75	00.568	1481.5							
	OBS	00900	03.96	34.920	27.75		1481.5							
	OBS	00953	03.95	34.920	27.75		1482.3							
	STO	01000	03.93	34.92	27.75	00.613	1483.0							
	OBS	01007	03.93	34.920	27.75		1483.1							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 8070P 02195 AIR TEMP 01.3 DIR HGT PER WIND-DIR 29 INST STU RECORDER TEN SD 1306  
 CDNSEC 0044 MONTH 04 SHIP EV WET BULB 00.7 WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 LAT 45 32 N DAY 20 DATA USE 1 BAROMETR 1017.4 SEA WIND-FDR DURATION 2 SQUARE 4c  
 LONG 147 20 W HOUR 01.8 AREA 05 CLDUD T/A CL/TR WEATHER X0 DRIG 011 229 1 SQUARE 57

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
01.8	STS	00000	01.02	33.17	26.63	00.000	1451.4							
	DBS	00003	01.02	33.173	26.60		1451.5							
	STS	00010	01.03	33.18	26.60	00.014	1451.6							
	DBS	00011	01.03	33.178	26.60		1451.6							
	DBS	00013	01.02	33.170	26.60		1451.6							
	DBS	00017	00.77	33.170	26.61		1450.5							
	DBS	00019	00.74	33.160	26.61		1450.4							
	STS	00020	00.73	33.17	26.61	00.029	1450.4							
	DBS	00020	00.72	33.180	26.62		1450.4							
	STS	00030	00.95	33.25	26.67	00.043	1451.7							
	DBS	00034	01.04	33.274	26.68		1452.2							
	DBS	00049	01.22	33.300	26.69		1453.3							
	STS	00050	01.20	33.30	26.69	00.070	1453.2							
	DBS	00053	01.05	33.393	26.77		1452.7							
	DBS	00055	00.66	33.505	26.85		1451.1							
	DBS	00064	01.60	33.723	27.01		1455.8							
	STS	00075	01.31	33.82	27.10	00.100	1454.8							
	DBS	00076	01.28	33.850	27.13		1454.7							
	DBS	00078	01.31	33.915	27.18		1455.0							
	DBS	00079	01.76	34.010	27.22		1457.2							
	DBS	00083	02.66	34.105	27.22		1461.3							
	DBS	00091	04.28	34.343	27.26		1468.7							
	STS	00100	04.31	34.34	27.25	00.122	1468.9							
	DBS	00100	04.31	34.340	27.25		1468.9							
	DBS	00102	04.30	34.347	27.26		1468.9							
	DBS	00110	05.57	34.545	27.27		1474.6							
	STS	00125	05.63	34.55	27.30	00.143	1475.1							
	DBS	00125	05.63	34.550	27.30		1475.1							
	STS	00150	05.49	34.65	27.36	00.162	1475.0							
	DBS	00150	05.49	34.655	27.37		1475.0							
	DBS	00175	05.41	34.683	27.40		1475.2							
	STS	00200	05.50	34.81	27.45	00.196	1476.1							
	DBS	00201	05.51	34.813	27.49		1476.2							
	DBS	00226	05.05	34.780	27.52		1474.7							
	DBS	00243	05.00	34.800	27.54		1474.8							
	STS	00250	04.74	34.79	27.56	00.226	1473.8							
	DBS	00258	04.57	34.785	27.58		1473.2							
	DBS	00268	04.66	34.840	27.61		1473.8							
	DBS	00277	04.43	34.815	27.61		1473.0							
	DBS	00295	04.58	34.880	27.60		1475.6							
	STS	00300	05.01	34.88	27.60	00.254	1475.8							
	DBS	00300	05.01	34.880	27.60		1475.8							
	DBS	00350	04.65	34.510	27.64		1476.2							
	STS	00400	04.72	34.89	27.64	00.306	1476.3							
	DBS	00403	04.71	34.887	27.64		1476.3							
	DBS	00458	04.68	34.910	27.66		1477.1							
	STS	00500	04.54	34.91	27.68	00.355	1477.2							
	DBS	00502	04.53	34.510	27.68		1477.2							
	DBS	00550	04.43	34.900	27.68		1477.6							
	STS	00600	04.32	34.91	27.70	00.402	1476.0							
	DBS	00618	04.27	34.510	27.71		1478.1							
	DBS	00651	04.17	34.900	27.71		1478.2							
	STS	00700	04.07	34.90	27.72	00.448	1478.6							
	DBS	00700	04.07	34.900	27.72		1478.6							
	DBS	00750	04.02	34.500	27.73		1475.2							
	STS	00800	04.04	34.89	27.72	00.494	1480.1							
	DBS	00814	04.05	34.850	27.72		1480.4							
	DBS	00850	03.94	34.895	27.73		1480.5							
	STS	00900	03.87	34.91	27.75	00.540	1481.1							
	DBS	00900	03.87	34.910	27.75		1481.1							
	DBS	00951	03.82	34.505	27.75		1481.7							
	STS	01000	03.77	34.90	27.75	00.584	1482.3							
	DBS	01010	03.76	34.500	27.75		1482.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	BOTOP 01350	AIR TEMP 00.0	DIR MGT PER	WIND-DIR 34	INST STO RECORDER	TEN SQ 1306
CONSEC 0345	MONTH 04	SHIP EV	WET BULB 00.0		WIND-SPO 06	TRACE DIR 0	5 SQUARE 4
LAT 45 41.5N	DAY 20	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 45 W	MOUR 04.3	AREA 05	CLOUD 7/A	CL/TR	WEATHER A4	ORIG 011 230	1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
04.3	STO	00003	00.33	33.10	26.58	00.000	1448.2							
	DBS	00003	00.33	33.105	26.58		1448.2							
	STO	00010	00.33	33.11	26.59	00.015	1448.5							
	DBS	00011	00.33	33.110	26.59		1448.4							
	DBS	00017	00.27	33.060	26.55		1448.1							
	STO	00020	00.33	33.08	26.57	00.029	1447.1							
	DBS	00020	- 0.03	33.080	26.58		1448.8							
	STO	00030	- 0.23	33.11	26.61	00.044	1446.1							
	DBS	00030	- 0.25	33.110	26.62		1446.0							
	DBS	00036	- 0.59	33.180	26.69		1444.6							
	DBS	00038	- 0.79	33.208	26.72		1443.8							
	STO	00050	- 1.09	33.25	26.76	00.071	1442.6							
	DBS	00051	- 1.14	33.290	26.79		1442.5							
	DBS	00053	- 1.22	33.342	26.85		1442.2							
	DBS	00066	- 0.97	33.507	26.96		1443.8							
	STO	00075	- 1.02	33.60	27.04	00.100	1443.8							
	DBS	00076	- 1.03	33.610	27.05		1443.8							
	STO	00100	- 0.27	33.85	27.21	00.124	1448.1							
	DBS	00100	- 0.24	33.860	27.22		1448.3							
	STO	00125	00.57	34.13	27.40	00.143	1452.8							
	DBS	00125	00.59	34.140	27.40		1452.9							
	DBS	00129	00.70	34.187	27.43		1455.5							
	DBS	00135	00.97	34.220	27.44		1454.8							
	DBS	00142	01.15	34.300	27.49		1455.9							
	STO	00150	01.53	34.32	27.49	00.159	1457.7							
	DBS	00152	01.63	34.330	27.49		1458.2							
	DBS	00175	02.03	34.460	27.56		1460.5							
	STO	00200	02.50	34.56	27.60	00.188	1463.1							
	DBS	00201	02.51	34.560	27.60		1463.2							
	DBS	00213	02.48	34.550	27.59		1463.3							
	DBS	00218	02.22	34.510	27.58		1462.2							
	DBS	00226	02.13	34.543	27.62		1461.9							
	STO	00250	02.38	34.57	27.62	00.213	1463.5							
	DBS	00257	02.47	34.595	27.63		1464.0							
	DBS	00276	02.75	34.680	27.67		1465.6							
	STO	00300	03.04	34.68	27.65	00.237	1467.3							
	DBS	00302	03.06	34.685	27.65		1467.5							
	DBS	00306	03.13	34.730	27.68		1467.8							
	DBS	00352	03.65	34.820	27.70		1470.9							
	STO	00400	04.04	34.88	27.71	00.282	1473.5							
	DBS	00401	04.05	34.880	27.71		1473.5							
	DBS	00451	04.14	34.880	27.70		1474.7							
	STO	00500	04.13	34.90	27.71	00.326	1475.5							
	DBS	00500	04.13	34.900	27.71		1475.5							
	DBS	00550	04.09	34.900	27.72		1476.2							
	STO	00600	04.07	34.90	27.72	00.370	1476.9							
	DBS	00603	04.07	34.900	27.72		1477.0							
	DBS	00651	04.00	34.900	27.73		1477.5							
	STO	00700	03.93	34.91	27.74	00.414	1478.0							
	DBS	00700	03.93	34.910	27.74		1478.0							
	DBS	00750	03.87	34.900	27.74		1478.6							
	STO	00800	03.84	34.90	27.74	00.457	1479.3							
	DBS	00801	03.84	34.900	27.74		1479.3							
	DBS	00850	03.80	34.900	27.75		1480.0							
	STO	00900	03.79	34.90	27.75	00.501	1480.7							
	DBS	00902	03.79	34.900	27.75		1480.8							
	DBS	00951	03.78	34.900	27.75		1481.6							
	STO	01000	03.76	34.90	27.75	00.545	1482.3							
	DBS	01005	03.76	34.900	27.75		1482.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA																
REFID	31 8355	YEAR	1973	BOTOP		AIR TEMP	-01.2	DIR HGT	PER	WIND-DIR	31	INST STO	RECORDER	TEN SQ	1306	
CONSEC	0046	MONTH	04	SHIP EV		WET BULB	-01.4	00	0	WIND-SPO	10	TRACE	DIR	5	SQUARE	4
LAT	45 45.5N	DAY	20	DATA USE	1	BAROMETR	1016.8	SEA		WIND-FOR		DURATION		2	SQJARE	46
LONG	147 57.5W	HOURL	21.4	AREA	05	CLOUD T/A		CL/TR		WEATHER	X4	ORIG	011 231	1	SQJARE	57
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTM	SNO VEL	OAYC	P04	TOT P	NO2	NO3	S103	PH		
01.4	STS	00000	- 0.55	33.32	26.81	00.000	1442.6									
	OBS	00003	- 0.55	33.320	26.81		1442.6									
	STS	00010	- 0.56	33.32	26.81	00.012	1442.7									
	OBS	00011	- 0.56	33.315	26.81		1442.7									
	STS	00020	- 1.03	33.50	26.80	00.025	1442.5									
	OBS	00020	- 1.03	33.503	26.80		1442.5									
	OBS	00028	- 1.01	33.257	26.80		1442.7									
	STS	00030	- 1.07	33.51	26.81	00.037	1442.5									
	OBS	00030	- 1.05	33.315	26.81		1442.4									
	OBS	00038	- 1.09	33.320	26.82		1442.5									
	STS	00050	- 1.23	33.43	26.91	00.061	1442.2									
	OBS	00051	- 1.25	33.445	26.92		1442.2									
	OBS	00068	- 1.42	33.510	26.98		1441.6									
	STS	00075	- 1.38	33.51	26.98	00.089	1442.1									
	OBS	00076	- 1.37	33.513	26.98		1442.1									
	STS	00100	- 0.95	33.63	27.06	00.115	1444.6									
	OBS	00100	- 0.94	33.637	27.07		1444.7									
	STS	00125	- 0.79	33.79	27.18	00.139	1446.0									
	OBS	00125	- 0.79	33.750	27.19		1446.0									
	STS	00150	- 0.56	33.79	27.18	00.161	1447.5									
	OBS	00150	- 0.55	33.750	27.18		1447.6									
	OBS	00175	- 0.16	33.550	27.32		1450.0									
	OBS	00176	00.35	34.000	27.50		1452.5									
	OBS	00162	00.57	34.000	27.59		1453.5									
	OBS	00188	00.89	34.100	27.55		1455.2									
	STS	00200	01.23	34.34	27.58	00.202	1457.0									
	OBS	00205	01.42	34.177	27.58		1458.0									
	OBS	00207	01.25	34.150	27.40		1457.2									
	OBS	00218	01.57	34.340	27.50		1459.1									
	OBS	00222	02.20	34.433	27.52		1462.0									
	OBS	00228	02.46	34.455	27.52		1463.3									
	STS	00250	02.74	34.47	27.51	00.235	1464.9									
	OBS	00251	02.76	34.470	27.51		1465.0									
	OBS	00257	02.56	34.470	27.52		1464.2									
	OBS	00260	01.78	34.430	27.55		1460.8									
	OBS	00276	01.79	34.480	27.59		1461.2									
	STS	00300	01.64	34.45	27.55	00.263	1462.2									
	OBS	00300	01.95	34.450	27.59		1462.3									
	OBS	00314	02.27	34.550	27.61		1464.0									
	OBS	00331	03.41	34.670	27.60		1469.4									
	OBS	00350	03.25	34.670	27.62		1465.2									
	STS	00400	03.91	34.82	27.68	00.312	1472.8									
	OBS	00401	03.92	34.825	27.68		1472.9									
	OBS	00453	04.13	34.890	27.71		1474.7									
	STS	00500	04.16	34.91	27.72	00.358	1475.7									
	OBS	00500	04.18	34.910	27.72		1475.7									
	OBS	00550	04.17	34.887	27.70		1476.5									
	STS	00600	04.17	34.89	27.70	00.403	1477.3									
	OBS	00601	04.17	34.850	27.70		1477.3									
	OBS	00651	04.13	34.900	27.71		1476.0									
	STS	00700	04.11	34.90	27.72	00.445	1478.7									
	OBS	00700	04.11	34.900	27.72		1478.8									
	STS	00800	03.95	34.90	27.73	00.494	1475.7									
	OBS	00823	03.92	34.900	27.74		1480.0									
	OBS	00850	03.85	34.900	27.74		1480.3									
	STS	00900	03.86	34.90	27.74	00.535	1481.0									
	OBS	00900	03.86	34.900	27.74		1481.0									
	OBS	00950	03.83	34.900	27.75		1481.7									
	STS	01000	03.80	34.90	27.75	00.584	1482.4									
	OBS	01000	03.80	34.900	27.75		1482.4									

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP AIR TEMP -01.5 OIR HGT PER WIND-OIR 01 INST STO RECORDER TEN SQ 1506  
 CONSEC 0047 MONTH 04 SHIP EV WET BULB -01.5 00 0 0 WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 45 46.5N DAY 20 DATA USE 1 BAROMETER 1016.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 147 55.5W HOUR 07.6 AREA 05 CLOUD T/A CL/TR WEATHER ORIG 011 232 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
07.6	STO	00000	- 0.77	33.16	26.68	00.000	1443.2							
	OBS	00001	- 0.77	33.160	26.68		1443.2							
	STO	00010	- 0.74	33.17	26.68	00.014	1443.5							
	OBS	00011	- 0.72	33.170	26.68		1443.6							
	OBS	00019	- 0.50	33.285	26.77		1444.9							
	STO	00020	- 0.55	33.29	26.77	00.027	1444.7							
	OBS	00022	- 0.68	33.290	26.78		1444.2							
	STO	00030	- 0.95	33.32	26.81	00.040	1443.1							
	OBS	00033	- 0.96	33.320	26.81		1443.0							
	OBS	00040	- 1.13	33.295	26.80		1442.3							
	OBS	00045	- 1.54	33.300	26.81		1440.5							
	STO	00050	- 1.49	33.38	26.88	00.064	1440.9							
	OBS	00051	- 1.47	33.405	26.89		1441.1							
	STO	00075	- 1.13	33.43	26.90	00.095	1443.1							
	OBS	00076	- 1.13	33.430	26.91		1443.1							
	STO	00100	- 1.36	33.52	26.98	00.121	1442.6							
	OBS	00100	- 1.37	33.520	26.99		1442.5							
	STO	00125	- 0.97	33.65	27.08	00.147	1445.0							
	OBS	00127	- 0.94	33.70	27.10		1446.5							
	STO	00150	- 0.77	33.76	27.16	00.170	1446.5							
	OBS	00150	- 0.77	33.760	27.16		1446.5							
	OBS	00167	- 0.64	33.795	27.18		1447.4							
	OBS	00178	- 0.13	33.840	27.20		1450.0							
	STO	00200	00.52	34.01	27.32	00.212	1452.7							
	OBS	00203	00.37	34.037	27.33		1453.0							
	OBS	00226	00.48	34.130	27.40		1454.0							
	STO	00250	00.85	34.20	27.44	00.248	1456.2							
	OBS	00251	00.87	34.208	27.44		1456.3							
	OBS	00276	01.27	34.340	27.52		1458.7							
	STO	00300	01.60	34.35	27.50	00.279	1460.6							
	OBS	00300	01.61	34.353	27.50		1460.6							
	OBS	00352	02.10	34.450	27.58		1463.8							
	STO	00400	02.67	34.64	27.65	00.333	1467.3							
	OBS	00405	02.73	34.650	27.65		1467.7							
	OBS	00451	03.17	34.690	27.64		1470.4							
	OBS	00465	03.41	34.750	27.70		1472.1							
	OBS	00455	03.67	34.820	27.70		1473.4							
	STO	00500	03.76	34.82	27.69	00.380	1473.8							
	OBS	00502	03.79	34.820	27.69		1474.0							
	OBS	00512	03.50	34.830	27.68		1474.7							
	OBS	00521	03.50	34.840	27.69		1474.8							
	OBS	00550	04.00	34.870	27.70		1475.8							
	STO	00600	04.10	34.89	27.70	00.426	1477.3							
	OBS	00600	04.16	34.890	27.70		1477.3							
	OBS	00650	04.14	34.900	27.71		1478.0							
	STO	00700	04.11	34.90	27.72	00.472	1478.7							
	OBS	00700	04.11	34.900	27.72		1478.7							
	OBS	00750	04.04	34.900	27.72		1479.3							
	STO	00800	03.55	34.90	27.73	00.517	1479.7							
	OBS	00800	03.95	34.900	27.73		1479.7							
	OBS	00823	03.92	34.900	27.74		1480.0							
	OBS	00850	03.89	34.900	27.74		1480.3							
	STO	00900	03.86	34.90	27.74	00.562	1481.0							
	OBS	00900	03.86	34.900	27.74		1481.0							
	OBS	00950	03.85	34.900	27.75		1481.7							
	STO	01000	03.80	34.90	27.75	00.607	1482.4							
	OBS	01000	03.80	34.900	27.75		1482.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOL STATION DATA

REFID 31	8355	YEAR 1973	BOTOP	AIR TEMP -01.0	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SD 1306
CONSEC	0048	MONTH 04	SHIP EV	WET BULB -01.0	07 0 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 45 50.5N		DAY 20	DATA USE 1	BAROMETR 1016.7	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 09 W		MOJR 06.9	AREA 05	CLOUD 7/8	CL/TK	WEATHER 14	DRID 011 233	1 SQUARE 56

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	P34	TOT P	MO2	NG3	SIO3	PH
08.9	STD	00000	- 0.97	33.08	26.62	00.000	1442.1							
	DBS	00001	- 0.97	33.080	26.62		1442.2							
	STD	00010	- 0.98	33.12	26.66	00.014	1442.3							
	DBS	00011	- 0.98	33.122	26.66		1442.3							
	STD	00020	- 1.21	33.17	26.70	00.028	1441.4							
	DBS	00020	- 1.23	33.175	26.70		1441.4							
	STD	00030	- 1.25	33.18	26.71	00.041	1441.3							
	DBS	00030	- 1.25	33.178	26.71		1441.3							
	STD	00050	- 1.55	33.27	26.75	00.067	1440.5							
	DBS	00051	- 1.57	33.280	26.80		1440.4							
	DBS	00064	- 1.70	33.315	26.83		1440.1							
	STD	00075	- 1.63	33.39	26.85	00.098	1440.7							
	DBS	00076	- 1.62	33.400	26.90		1440.8							
	STD	00100	- 1.54	33.43	26.92	00.126	1441.6							
	DBS	00100	- 1.54	33.427	26.92		1441.6							
	STD	00125	- 1.54	33.42	26.91	00.155	1442.0							
	DBS	00125	- 1.54	33.420	26.91		1442.0							
	DBS	00133	- 1.55	33.423	26.91		1442.1							
	DBS	00148	- 1.55	33.440	26.93		1442.4							
	STD	00150	- 1.30	33.50	26.97	00.183	1443.6							
	DBS	00150	- 1.30	33.500	26.97		1443.6							
	DBS	00175	- 0.85	33.540	26.99		1446.0							
	STD	00200	- 0.20	33.64	27.04	00.236	1449.8							
	DBS	00200	- 0.20	33.640	27.04		1449.8							
	DBS	00225	00.24	33.720	27.08		1452.3							
	STD	00250	00.50	33.63	27.16	00.284	1454.1							
	DBS	00250	00.50	33.830	27.16		1454.1							
	DBS	00275	00.75	33.980	27.26		1455.8							
	STD	00300	00.85	34.12	27.37	00.325	1456.9							
	DBS	00300	00.85	34.120	27.37		1456.9							
	DBS	00350	01.90	34.350	27.48		1462.7							
	STD	00400	02.50	34.57	27.61	00.387	1466.0							
	DBS	00400	02.50	34.570	27.61		1466.5							
	DBS	00450	03.00	34.700	27.67		1469.6							
	STD	00500	03.73	34.82	27.69	00.435	1473.7							
	DBS	00500	03.73	34.820	27.69		1473.7							
	DBS	00521	03.90	34.840	27.69		1474.8							
	DBS	00550	04.00	34.870	27.70		1475.8							
	STD	00600	04.16	34.89	27.70	00.481	1477.3							
	DBS	00600	04.16	34.890	27.70		1477.3							
	DBS	00650	04.14	34.900	27.71		1478.0							
	STD	00700	04.11	34.900	27.72	00.527	1478.7							
	DBS	00700	04.11	34.900	27.72		1478.7							
	DBS	00750	04.04	34.900	27.72		1479.3							
	STD	00800	03.95	34.90	27.73	00.572	1479.7							
	DBS	00800	03.95	34.900	27.73		1479.7							
	DBS	00823	03.92	34.900	27.74		1480.0							
	DBS	00850	03.69	34.900	27.74		1480.3							
	STD	00900	03.66	34.90	27.74	00.617	1481.0							
	DBS	00900	03.66	34.900	27.74		1481.0							
	DBS	00950	03.83	34.900	27.75		1481.7							
	STD	01000	03.80	34.90	27.75	00.662	1482.4							
	DBS	01000	03.80	34.900	27.75		1482.4							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.--Continued

N O D C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTDP AIR TEMP -01.0 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1306  
 CONSEC 0049 MONTH 04 SHIP EV WET BULB -01.0 07 0 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 45 53 N DAY 20 DATA USE 1 BARDMETR 1017.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 09.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 234 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
09.8	STG	00000	- 1.02	32.77	26.37	00.000	1441.5							
	08S	00000	- 1.02	32.770	26.37		1441.5							
	STO	00010	- 1.02	32.94	26.51	00.016	1441.9							
	08S	00010	- 1.02	32.940	26.51		1441.9							
	08S	00015	- 1.06	32.950	26.52		1441.8							
	08S	00018	- 1.19	32.990	26.55		1441.3							
	STO	00020	- 1.19	32.99	26.55	00.031	1441.3							
	08S	00020	- 1.19	32.990	26.55		1441.3							
	STO	00030	- 1.18	33.00	26.56	00.046	1441.5							
	08S	00030	- 1.18	33.000	26.56		1441.5							
	08S	00045	- 1.21	33.050	26.60		1441.7							
	STO	00050	- 1.43	33.10	26.65	00.075	1440.8							
	08S	00050	- 1.43	33.100	26.65		1440.8							
	08S	00060	- 1.57	33.200	26.72		1440.5							
	STO	00075	- 1.57	33.24	26.77	00.108	1440.8							
	08S	00075	- 1.57	33.240	26.77		1440.8							
	08S	00095	- 1.57	33.240	26.77		1441.1							
	STO	00100	- 1.56	33.24	26.77	00.140	1441.2							
	08S	00104	- 1.56	33.250	26.77		1441.3							
	STO	00125	- 1.56	33.38	26.86	00.171	1441.8							
	08S	00125	- 1.56	33.380	26.86		1441.8							
	08S	00148	- 1.55	33.440	26.93		1442.4							
	STO	00150	- 1.30	33.50	26.97	00.195	1443.8							
	08S	00150	- 1.30	33.500	26.97		1443.6							
	08S	00175	- 0.85	33.540	26.99		1446.0							
	STO	00200	- 0.20	33.64	27.04	00.252	1449.8							
	08S	00200	- 0.20	33.640	27.04		1449.8							
	08S	00225	00.24	33.720	27.08		1452.3							
	STO	00250	00.50	33.83	27.16	00.301	1454.1							
	08S	00250	00.50	33.830	27.16		1454.1							
	08S	00275	00.75	33.980	27.26		1455.8							
	STO	00300	00.85	34.12	27.37	00.342	1456.9							
	08S	00300	00.85	34.120	27.37		1456.9							
	08S	00350	01.90	34.350	27.48		1462.7							
	STO	00400	02.50	34.57	27.61	00.403	1466.5							
	08S	00400	02.50	34.570	27.61		1466.5							
	08S	00450	03.00	34.700	27.67		1469.6							
	STO	00500	03.73	34.82	27.69	00.452	1473.7							
	08S	00500	03.73	34.820	27.69		1473.7							
	08S	00521	03.90	34.840	27.69		1474.8							
	08S	00550	04.00	34.870	27.70		1475.8							
	STO	00600	04.16	34.89	27.70	00.498	1477.3							
	08S	00600	04.16	34.890	27.70		1477.3							
	08S	00650	04.14	34.900	27.71		1478.0							
	STO	00700	04.11	34.90	27.72	00.544	1478.7							
	08S	00700	04.11	34.900	27.72		1478.7							
	08S	00750	04.04	34.900	27.72		1479.3							
	STO	00800	03.95	34.90	27.73	00.589	1479.7							
	08S	00800	03.95	34.900	27.73		1479.7							
	08S	00823	03.52	34.900	27.74		1480.0							
	08S	00850	03.89	34.900	27.74		1480.3							
	STO	00900	03.66	34.90	27.74	00.634	1481.0							
	08S	00900	03.66	34.900	27.74		1481.0							
	08S	00950	03.83	34.900	27.75		1481.7							
	STO	01000	03.80	34.90	27.75	00.678	1482.4							
	08S	01000	03.80	34.900	27.75		1482.4							

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REFID 31 8355 YEAR 1973 BOTDP AIR TEMP 05.0 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1306  
 CONSEC 0050 MONTH 04 SHIP EV WET BULB 05.0 00 0 0 WIND-SPD 00 TRACE DIR 0 5 SQUARE 4  
 LAT 46 21.5N DAY 20 DATA USE 1 BARDMETR 1016.2 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 047 36.0W HOUR 14.8 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG 011 235 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
14.8	STO	00000	- 1.26	32.92	26.50	00.000	1443.5							
	08S	00000	- 1.26	32.920	26.50		1440.8							
	STO	00010	- 1.22	32.95	26.52	00.015	1440.9							
	08S	00011	- 1.21	32.950	26.52		1441.0							
	STO	00020	- 1.37	32.95	26.53	00.031	1440.4							
	08S	00020	- 1.38	32.957	26.53		1440.4							
	STO	00030	- 1.50	33.05	26.61	00.045	1440.1							
	08S	00030	- 1.50	33.050	26.61		1440.1							
	STO	00050	- 1.40	33.12	26.66	00.074	1440.7							
	08S	00051	- 1.45	33.122	26.67		1440.8							
	STO	00075	- 1.40	33.18	26.71	00.108	1441.5							
	08S	00076	- 1.40	33.180	26.71		1441.5							
	STO	00100	- 1.63	33.31	26.83	00.140	1441.0							
	08S	00100	- 1.64	33.315	26.83		1441.3							
	08S	00104	- 1.69	33.315	26.83		1440.8							
	STO	00125	- 1.66	33.41	26.91	00.169	1441.4							
	08S	00125	- 1.66	33.412	26.91		1441.4							
	STO	00150	- 1.40	33.45	26.93	00.198	1443.1							
	08S	00150	- 1.40	33.454	26.93		1443.1							
	08S	00156	- 1.40	33.458	26.94		1443.2							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 8DTOP 00380 AIR TEMP 05.7 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SW 1306  
 CONSEC 0351 MONTH 04 SHIP EV WET BULB 05.2 00 0 0 WIND-SPD 00 TRACE DIR 0 5 SQUARE 4  
 LAT 40 19 N DAY 20 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 047 24 W HOUR 16.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 236 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
16.2	STO	00000	- 1.07	32.95	26.52	00.000	1441.5							
	08S	00003	- 1.07	32.950	26.52		1441.5							
	08S	00005	- 1.10	32.930	26.50		1441.4							
	STO	00010	- 1.19	32.94	26.51	00.015	1441.1							
	08S	00011	- 1.21	32.940	26.51		1441.0							
	STO	00020	- 1.26	32.95	26.52	00.031	1440.9							
	08S	00020	- 1.27	32.950	26.52		1440.9							
	STO	00030	- 1.50	32.95	26.55	00.046	1439.9							
	08S	00030	- 1.51	32.950	26.53		1439.9							
	STO	00050	- 1.55	33.11	26.66	00.075	1443.3							
	08S	00051	- 1.55	33.120	26.67		1443.3							
	STO	00075	- 1.66	33.27	26.79	00.108	1443.4							
	08S	00076	- 1.67	33.270	26.79		1440.4							
	08S	00093	- 1.75	33.320	26.83		1443.3							
	STO	00100	- 1.73	33.31	26.83	00.139	1440.5							
	08S	00100	- 1.73	33.310	26.83		1440.5							
	STO	00125	- 1.88	33.40	26.89	00.169	1442.2							
	08S	00125	- 1.88	33.400	26.89		1442.5							
	STO	00150	- 1.47	33.43	26.92	00.197	1442.7							
	08S	00150	- 1.47	33.430	26.92		1442.8							
	08S	00177	- 1.20	33.530	26.99		1444.6							
	STO	00200	- 0.84	33.65	27.08	00.251	1446.8							
	08S	00201	- 0.81	33.660	27.08		1447.0							
	08S	00226	- 0.34	33.750	27.17		1449.8							
	STO	00250	- 0.37	33.86	27.23	00.296	1450.1							
	08S	00251	- 0.37	33.863	27.23		1450.2							
	08S	00262	00.01	33.870	27.22		1452.1							
	08S	00276	00.14	33.880	27.30		1453.1							
	STO	00300	00.55	34.14	27.40	00.335	1455.0							
	08S	00300	00.56	34.145	27.41		1455.6							
	08S	00335	00.83	34.209	27.44		1457.5							

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REFID 31 8355 YEAR 1973 8DTOP 003755 AIR TEMP 03.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SW 1306  
 CONSEC 0352 MONTH 04 SHIP EV WET BULB 03.2 07 0 2 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 40 16 N DAY 20 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 047 17 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 237 1 SQUARE 67

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
17.5	STO	00000	- 0.92	32.96	26.52	03.000	1442.2							
	08S	00001	- 0.92	32.960	26.52		1442.2							
	08S	00003	- 1.07	32.950	26.52		1441.5							
	STO	00010	- 1.10	32.95	26.52	00.015	1441.5							
	08S	00011	- 1.12	32.940	26.53		1441.4							
	STO	00020	- 1.34	33.09	26.64	00.030	1440.7							
	08S	00020	- 1.36	33.100	26.65		1440.7							
	STO	00030	- 1.56	33.17	26.71	00.044	1440.0							
	08S	00030	- 1.57	33.170	26.71		1439.9							
	STO	00050	- 1.57	33.25	26.76	00.070	1440.4							
	08S	00051	- 1.58	33.260	26.78		1440.4							
	08S	00062	- 1.70	33.320	26.83		1440.1							
	08S	00064	- 1.69	33.310	26.83		1440.1							
	STO	00075	- 1.48	33.32	26.82	00.101	1441.3							
	08S	00076	- 1.47	33.317	26.83		1441.4							
	STO	00100	- 1.51	33.42	26.91	00.131	1441.7							
	08S	00100	- 1.51	33.425	26.91		1441.7							
	STO	00125	- 1.34	33.45	26.93	00.159	1443.0							
	08S	00125	- 1.33	33.450	26.93		1443.0							
	STO	00150	- 0.86	33.65	27.08	00.186	1446.5							
	08S	00150	- 0.85	33.655	27.08		1446.0							
	08S	00175	- 0.47	33.865	27.23		1448.4							
	STO	00200	00.22	34.08	27.37	00.228	1452.3							
	08S	00203	00.28	34.055	27.38		1452.7							
	08S	00226	00.45	34.100	27.38		1453.6							
	STO	00250	00.67	34.21	27.44	00.262	1456.3							
	08S	00251	00.69	34.220	27.45		1456.4							
	08S	00276	01.17	34.308	27.50		1458.2							
	STO	00300	01.35	34.33	27.50	00.293	1459.4							
	08S	00300	01.36	34.330	27.50		1459.5							
	08S	00350	01.77	34.460	27.58		1462.3							
	STO	00400	02.21	34.55	27.62	00.348	1465.1							
	08S	00401	02.21	34.553	27.62		1465.2							
	08S	00426	02.48	34.595	27.65		1465.5							
	08S	00456	03.19	34.735	27.68		1470.6							
	STO	00500	03.85	34.84	27.69	00.396	1474.3							
	08S	00502	03.88	34.840	27.69		1474.4							
	08S	00550	04.06	34.900	27.72		1476.0							
	STO	00600	04.15	34.89	27.70	00.442	1477.2							
	08S	00601	04.15	34.890	27.70		1477.3							
	08S	00651	04.21	34.870	27.68		1478.3							
	STO	00700	04.20	34.86	27.69	00.489	1479.1							
	08S	00700	04.20	34.860	27.69		1479.1							
	08S	00736	04.17	34.886	27.70		1479.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 6355	YEAR 1973	BOTDP 04215	AIR TEMP 00.0	DIR HGT PER	WIND-DIR 08	INST STO RECORDER	TEN SQ 1306
CONSEC 0053	MONTH 04	SHIP EV	WET BULB 00.0	13 1 2	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 46 12 N	DAY 20	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 047 14 W	MOJR 10.7	AREA 05	CLOUD 7/4	CL/TR	WEATHER A4	ORIG 011 238	1 SQUARE 67

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
18.7	STO	00000	- 0.83	32.96	26.52	00.000	1442.6							
	OBS	00001	- 0.83	32.964	26.52		1442.7							
	OBS	00007	- 1.04	32.960	26.52		1441.8							
	STO	00010	- 1.16	33.04	26.59	00.015	1441.3							
	OBS	00011	- 1.24	33.080	26.63		1441.1							
	STO	00020	- 1.53	33.15	26.68	00.025	1440.9							
	OBS	00020	- 1.34	33.155	26.65		1440.8							
	OBS	00022	- 1.33	33.170	26.70		1440.9							
	OBS	00028	- 1.74	33.294	26.81		1439.3							
	STO	00030	- 1.74	33.30	26.82	00.042	1439.3							
	OBS	00030	- 1.74	33.300	26.82		1439.3							
	STO	00050	- 1.65	33.30	26.81	00.067	1440.1							
	OBS	00051	- 1.64	33.255	26.81		1440.1							
	STO	00075	- 1.57	33.44	26.92	00.097	1442.0							
	OBS	00076	- 1.34	33.440	26.92		1442.1							
	STO	00100	- 1.56	33.49	26.96	00.125	1442.5							
	OBS	00100	- 1.36	33.452	26.96		1442.5							
	STO	00125	- 1.10	33.63	27.06	00.151	1444.3							
	OBS	00125	- 1.09	33.630	27.07		1444.4							
	STO	00150	- 0.46	33.75	27.17	00.174	1448.0							
	OBS	00150	- 0.45	33.795	27.18		1448.0							
	OBS	00175	- 0.17	33.980	27.31		1450.0							
	OBS	00164	- 0.05	33.955	27.32		1450.7							
	OBS	00166	00.28	34.090	27.38		1452.7							
	STO	00200	00.40	34.11	27.39	00.214	1453.2							
	OBS	00201	00.42	34.110	27.39		1453.3							
	OBS	00226	00.86	34.195	27.43		1455.6							
	STO	00250	01.14	34.31	27.50	00.247	1457.0							
	OBS	00251	01.16	34.310	27.50		1457.7							
	OBS	00277	01.53	34.353	27.49		1459.9							
	STO	00300	01.67	34.43	27.56	00.276	1461.0							
	OBS	00300	01.68	34.450	27.56		1461.0							
	OBS	00350	02.13	34.540	27.61		1464.0							
	STO	00400	02.29	34.56	27.61	00.328	1465.5							
	OBS	00401	02.30	34.560	27.62		1465.6							
	OBS	00422	02.49	34.640	27.66		1466.9							
	OBS	00432	02.70	34.670	27.67		1468.2							
	OBS	00437	03.01	34.680	27.65		1469.4							
	OBS	00451	03.19	34.690	27.64		1470.4							
	STO	00500	03.72	34.81	27.69	00.377	1473.7							
	OBS	00500	03.73	34.815	27.69		1473.7							
	OBS	00553	04.08	34.880	27.70		1476.1							
	STO	00600	04.15	34.87	27.69	00.423	1477.2							
	OBS	00601	04.15	34.870	27.69		1477.2							
	OBS	00651	04.15	34.880	27.70		1478.7							
	STO	00700	04.12	34.89	27.71	00.470	1478.8							
	OBS	00700	04.12	34.890	27.71		1478.8							
	OBS	00750	04.06	34.890	27.71		1479.4							
	STO	00800	03.96	34.89	27.72	00.516	1479.8							
	OBS	00801	03.96	34.890	27.72		1479.8							
	OBS	00850	03.90	34.895	27.73		1480.4							
	STO	00900	03.68	34.89	27.73	00.562	1481.1							
	OBS	00900	03.66	34.890	27.73		1481.1							
	OBS	00951	03.84	34.890	27.74		1481.8							
	STO	01000	03.82	34.90	27.75	00.606	1482.5							
	OBS	01001	03.82	34.900	27.75		1482.5							
	OBS	01005	03.82	34.891	27.74		1482.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REF ID: A555      YEAR 1973      BOTOM 01403      AIR TEMP 06.4      DIA HGT PER      WIND-DIR 06      INST STO RECORDER      TEN SL 130A  
 CONSEC 0004      MONTH 04      SHIP EV      MET BULB 06.4      JS 1 4      WIND-SPO 13      TRACE OIR      5 SQUARE 4  
 LAT 48 08.3N      DAY 20      DATA USE 1      BAROMETR 1013.7      SEA      WIND-FOU      DURATION      2 SQUARE 66  
 LONG 066 54 E      HOUR 21.0      AREA 05      CLOUD T/A      CL/7R      WEATHER A2      DRIG 011 235      1 SQUARE 8A

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	P04	TOT P	NO2	NO3	SI03	PH
21.0	STO	00000	- 0.83	32.96	26.52	00.000	1442.6							
	085	00001	- 0.83	32.964	26.52		1442.7							
	085	00005	- 0.85	32.968	26.52		1442.6							
	085	00007	- 0.91	32.950	26.51		1442.4							
	085	00009	- 1.20	33.370	26.62		1441.2							
	STO	00010	- 1.21	33.07	26.62	00.015	1441.2							
	085	00011	- 1.24	33.080	26.63		1441.1							
	STO	00020	- 1.33	33.15	26.68	00.025	1440.9							
	085	00020	- 1.34	33.155	26.69		1440.8							
	085	00022	- 1.33	33.170	26.70		1440.9							
	085	00028	- 1.74	35.254	26.81		1435.3							
	STO	00030	- 1.74	33.50	26.82	00.042	1435.3							
	085	00030	- 1.74	33.300	26.82		1435.3							
	STO	00050	- 1.65	33.30	26.81	00.067	1440.1							
	085	00051	- 1.64	33.295	26.81		1440.1							
	STO	00075	- 1.37	33.44	26.52	00.096	1442.0							
	085	00076	- 1.36	33.440	26.52		1442.1							
	STO	00100	- 1.55	33.50	26.97	00.124	1442.6							
	085	00100	- 1.35	33.500	26.97		1442.6							
	STO	00125	- 1.10	33.63	27.06	00.150	1444.3							
	085	00125	- 1.09	33.630	27.07		1444.4							
	STO	00150	- 0.46	33.75	27.17	00.174	1448.0							
	085	00150	- 0.45	33.795	27.18		1448.0							
	085	00175	- 0.17	33.580	27.31		1450.0							
	085	00184	- 0.05	33.595	27.32		1450.7							
	085	00186	00.28	34.090	27.38		1452.4							
	STO	00200	00.40	34.11	27.35	00.214	1453.2							
	085	00201	00.42	34.110	27.35		1453.3							
	085	00226	00.86	34.195	27.43		1455.6							
	STO	00250	01.14	34.31	27.50	00.247	1457.6							
	085	00251	01.16	34.310	27.50		1457.7							
	085	00276	01.47	34.320	27.49		1459.5							
	STO	00300	01.67	34.43	27.56	00.275	1461.0							
	085	00300	01.68	34.430	27.56		1461.0							
	085	00325	02.05	34.480	27.57		1463.1							
	085	00350	02.13	34.540	27.61		1464.0							
	085	00375	02.15	34.550	27.62		1464.4							
	STO	00400	02.25	34.56	27.61	00.328	1465.5							
	085	00401	02.30	34.560	27.62		1465.6							
	085	00422	02.49	34.650	27.67		1466.9							
	085	00426	02.69	34.670	27.67		1467.9							
	STO	00500	03.72	34.81	27.65	00.376	1473.7							
	085	00500	03.73	34.815	27.65		1473.7							
	085	00550	04.08	34.860	27.70		1476.1							
	STO	00600	04.15	34.87	27.65	00.423	1477.2							
	085	00601	04.15	34.870	27.69		1477.2							
	085	00626	04.15	34.880	27.70		1477.7							
	085	00651	04.15	34.880	27.70		1478.1							
	085	00675	04.15	34.890	27.70		1478.5							
	STO	00700	04.12	34.89	27.71	00.470	1478.8							
	085	00700	04.12	34.890	27.71		1478.8							
	085	00725	04.10	34.850	27.71		1475.1							
	085	00750	04.08	34.850	27.71		1479.4							
	085	00776	03.97	34.890	27.72		1475.4							
	STO	00800	03.56	34.85	27.72	00.516	1475.8							
	085	00801	03.56	34.890	27.72		1479.8							
	085	00826	05.92	34.500	27.74		1480.0							
	085	00850	03.50	34.895	27.73		1480.4							
	085	00875	03.88	34.900	27.74		1480.7							
	STO	00900	05.68	34.89	27.73	00.562	1481.1							
	085	00900	03.88	34.890	27.73		1481.1							
	085	00925	03.85	34.850	27.74		1481.4							
	085	00951	03.84	34.850	27.74		1481.8							
	085	00976	05.63	34.850	27.74		1482.2							
	STO	01000	03.81	34.85	27.74	00.607	1482.5							
	085	01003	03.81	34.890	27.74		1482.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 6335	YEAR 1973	BOTOP 00631	AIR TEMP 02.8	DJR HGT PER	WIND-DJR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0055	MONTH 04	SNIP EV	WET BULB 02.8	03 0 2	WIND-SPD 16	TRACE DIR	5 SQUARE 4
LAT 46 01 N	DAY 20	DATA USE 1	BAROMETR 1012.8	SEA	WIND-PDR	DJRATIDN	2 SQUARE 66
LONG 046 31 W	HOOR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 240	1 SQUARE 66

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	STD	00000	01.04	33.25	26.66	00.030	1451.6							
	OBS	00001	01.04	33.250	26.66		1451.6							
	OBS	00006	01.04	33.260	26.67		1451.8							
	STD	00010	01.02	33.26	26.67	00.014	1451.7							
	STD	00020	00.66	33.26	26.69	00.028	1450.2							
	OBS	00020	00.63	33.260	26.69		1450.1							
	OBS	00022	00.57	33.230	26.67		1449.8							
	STD	00030	00.54	33.27	26.70	00.041	1449.9							
	OBS	00030	00.54	33.270	26.70		1449.9							
	STD	00050	00.95	33.29	26.70	00.066	1452.1							
	OBS	00051	00.99	33.320	26.72		1452.3							
	OBS	00053	01.04	33.340	26.75		1452.6							
	OBS	00060	01.83	33.510	26.81		1456.5							
	OBS	00062	01.19	33.460	26.83		1455.6							
	OBS	00064	00.74	33.640	26.99		1451.8							
	OBS	00068	01.22	33.680	26.99		1454.1							
	OBS	00070	01.18	33.700	27.01		1454.0							
	OBS	00074	00.53	33.680	27.03		1451.1							
	STD	00075	00.57	33.73	27.08	00.097	1451.4							
	OBS	00076	00.61	33.780	27.11		1451.6							
	OBS	00078	00.62	33.790	27.12		1451.7							
	OBS	00081	00.86	33.820	27.13		1452.9							
	OBS	00083	00.71	33.840	27.15		1452.3							
	OBS	00087	00.68	33.840	27.15		1452.2							
	OBS	00095	00.24	33.860	27.20		1450.4							
	STD	00100	- 0.09	33.86	27.21	00.121	1448.9							
	OBS	00100	- 0.12	33.860	27.21		1446.8							
	OBS	00106	- 0.01	33.960	27.31		1449.6							
	OBS	00112	00.26	33.980	27.29		1450.9							
	OBS	00121	00.35	34.100	27.38		1451.7							
	STD	00125	00.84	34.12	27.38	00.140	1455.0							
	OBS	00125	00.47	34.120	27.38		1455.2							
	OBS	00129	00.67	34.140	27.40		1453.3							
	OBS	00131	01.28	34.210	27.41		1456.2							
	OBS	00137	02.57	34.340	27.42		1462.1							
	OBS	00144	02.58	34.340	27.42		1462.3							
	OBS	00146	02.76	34.400	27.45		1463.3							
	STD	00150	03.12	34.45	27.46	00.157	1464.9							
	OBS	00152	03.32	34.480	27.46		1465.8							
	OBS	00171	03.84	34.560	27.47		1468.4							
	OBS	00173	04.02	34.580	27.47		1465.2							
	OBS	00177	03.99	34.540	27.44		1469.1							
	OBS	00180	03.81	34.550	27.47		1468.4							
	OBS	00184	04.05	34.590	27.48		1465.6							
	OBS	00188	04.18	34.600	27.47		1470.2							
	OBS	00198	02.24	34.360	27.46		1461.7							
	STD	00200	02.10	34.35	27.46	00.185	1461.1							
	OBS	00201	01.98	34.340	27.47		1460.6							
	OBS	00226	01.69	34.450	27.58		1459.9							
	STD	00250	02.11	34.49	27.57	00.219	1462.1							
	OBS	00251	02.12	34.490	27.58		1462.2							
	OBS	00276	02.23	34.550	27.61		1463.2							
	STD	00300	02.41	34.55	27.60	00.245	1464.4							
	OBS	00300	02.42	34.550	27.60		1464.4							
	OBS	00350	03.35	34.790	27.71		1465.6							
	STD	00400	03.94	34.85	27.73	00.251	1473.0							
	OBS	00401	03.95	34.850	27.73		1473.1							
	OBS	00451	04.18	34.900	27.71		1474.5							
	STD	00500	04.21	34.89	27.70	00.335	1475.8							
	OBS	00500	04.21	34.87	27.680									
	OBS	00550	04.22	34.690	27.70		1476.7							
	STD	00600	04.21	34.90	27.71	00.381	1477.5							
	OBS	00601	04.21	34.900	27.71		1477.5							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O, O C S T A T I O N D A T A

REF ID A1 8550 YEAR 1973 60TOP 03200 AIR TEMP 03.5 DIR MDT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1306  
 CONSEC 0050 MONTH 04 SMP EV WET BULB 02.8 05 2 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 45 53 N DAY 21 DATA USE 1 BARGMTR 1007.6 SEA WIND-FGR DURATION 1 SQUARE 46  
 LONG 046 01 W HOUR 03.4 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG D11 241 1 SQUARE 56

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
03.4	STO	00000	03.18	33.50	26.70	00.000	1461.3							
	085	00001	03.18	33.500	26.70		1461.4							
	STO	00010	03.19	33.52	26.71	00.013	1461.6							
	085	00011	03.19	33.520	26.71		1461.6							
	085	00017	03.17	33.510	26.70		1461.6							
	STO	00020	02.63	33.48	26.71	00.027	1460.1							
	085	00024	02.44	33.440	26.71		1456.5							
	STO	00030	02.28	33.41	26.70	00.040	1457.6							
	085	00030	02.26	33.410	26.70		1457.7							
	085	00038	02.01	33.390	26.70		1456.7							
	085	00040	01.99	33.410	26.72		1456.7							
	085	00045	02.01	33.410	26.72		1456.9							
	085	00049	04.60	33.950	26.94		1468.8							
	STO	00050	04.71	34.01	26.94	00.065	1465.3							
	085	00055	05.54	34.140	26.95		1473.0							
	085	00059	05.78	34.200	26.97		1474.1							
	085	00060	05.77	34.210	26.98		1474.1							
	085	00068	06.09	34.300	27.02		1475.4							
	085	00072	05.57	34.350	27.11		1473.7							
	STO	00075	05.77	34.39	27.12	00.091	1474.6							
	085	00083	06.13	34.460	27.13		1476.3							
	085	00087	06.15	34.470	27.14		1476.4							
	STO	00100	06.12	34.53	27.18	00.115	1476.6							
	085	00100	06.12	34.530	27.19		1476.6							
	085	00102	06.24	34.540	27.18		1477.1							
	085	00114	06.07	34.540	27.20		1476.6							
	STO	00125	06.44	34.68	27.26	00.137	1478.5							
	085	00125	06.45	34.680	27.26		1478.5							
	085	00137	06.57	34.650	27.25		1479.2							
	085	00142	05.92	34.560	27.24		1476.5							
	STO	00150	05.87	34.56	27.24	00.158	1476.4							
	085	00152	05.86	34.550	27.24		1476.4							
	085	00158	05.33	34.530	27.29		1474.3							
	085	00175	05.12	34.550	27.33		1473.8							
	085	00186	05.06	34.550	27.33		1473.8							
	085	00196	05.50	34.680	27.38		1475.5							
	STO	00200	05.55	34.69	27.39	00.197	1476.1							
	085	00201	05.56	34.700	27.39		1476.2							
	085	00226	05.27	34.680	27.41		1475.4							
	STO	00250	05.16	34.69	27.43	00.253	1475.4							
	085	00251	05.15	34.690	27.43		1475.4							
	085	00277	05.00	34.780	27.52		1475.3							
	STO	00300	04.94	34.82	27.56	00.264	1475.5							
	085	00300	04.94	34.820	27.56		1475.5							
	085	00304	04.98	34.830	27.56		1475.7							
	085	00310	05.26	34.890	27.58		1477.0							
	085	00350	05.06	34.890	27.60		1476.9							
	STO	00400	05.09	34.89	27.60	00.320	1477.8							
	085	00401	05.09	34.890	27.60		1477.9							
	085	00451	05.13	35.010	27.69		1475.0							
	STO	00500	04.89	35.01	27.72	00.370	1478.8							
	085	00500	04.89	35.010	27.72		1478.8							
	085	00550	04.70	35.010	27.74		1478.9							
	STO	00600	04.59	35.01	27.75	00.414	1479.2							
	085	00601	04.59	35.010	27.75		1479.3							
	085	00652	04.51	35.020	27.77		1479.8							
	STO	00700	04.45	35.02	27.77	00.455	1480.3							
	085	00700	04.45	35.020	27.77		1480.3							
	085	00750	04.34	35.010	27.78		1480.7							
	085	00778	04.39	35.010	27.77		1481.4							
	STO	00800	04.25	35.01	27.79	00.496	1481.2							
	085	00603	04.24	35.010	27.79		1481.2							
	085	00850	04.23	35.010	27.79		1481.9							
	STO	00900	04.03	34.99	27.80	00.536	1481.9							
	085	00900	04.03	34.990	27.80		1481.9							
	085	00951	03.96	34.990	27.80		1482.5							
	STO	01000	04.01	35.00	27.81	00.576	1483.4							
	085	01001	04.01	35.000	27.81		1483.5							
	085	01005	04.02	35.000	27.81		1483.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 00292 AIR TEMP 03.9 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1306  
 CONSEC 0057 MONTH 04 SHIP EV WET BULB 03.9 02 2 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 46 59 N DAY 21 DATA USE 1 BAROMETR 0995.0 SEA 2 SQUARE 64  
 LONG 045 49 W HOUR 14.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 242 1 SQUARE 65

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SI03	PH
12.9	STO	0000J	01.43	33.06	26.48	00.000	1453.1							
	DBS	0000I	01.43	33.063	26.48		1453.1							
	STO	0001J	01.41	33.07	26.49	00.016	1453.1							
	DBS	0001I	01.40	33.066	26.49		1453.2							
	DBS	0001F	01.39	33.060	26.48		1453.2							
	STO	0002J	01.40	33.07	26.49	00.031	1453.3							
	DBS	0002I	01.40	33.072	26.49		1453.3							
	STO	0003J	01.39	33.07	26.49	00.047	1453.4							
	DBS	0003I	01.39	33.072	26.49		1453.4							
	DBS	0003B	01.36	33.065	26.49		1453.4							
	DBS	0004F	00.91	33.100	26.55		1451.6							
	STO	0005J	00.8c	33.10	26.55	00.077	1451.4							
	DBS	0005I	00.74	33.120	26.57		1450.9							
	DBS	0006J	- 0.05	33.365	26.81		1447.8							
	DBS	0006B	- 0.12	33.432	26.87		1447.7							
	STO	0007F	- 0.12	33.51	26.93	00.110	1447.9							
	DBS	0007B	- 0.08	33.520	26.94		1448.1							
	DBS	0008F	00.65	33.655	27.01		1451.8							
	DBS	0008T	00.52	33.630	27.00		1451.2							
	STO	0010J	01.35	33.84	27.11	00.136	1455.4							
	DBS	0010I	01.41	33.850	27.12		1455.7							
	STO	0012F	02.87	34.20	27.28	00.158	1463.0							
	DBS	0012F	02.90	34.210	27.29		1463.2							
	STO	0015J	03.46	34.46	27.44	00.177	1466.3							
	DBS	0015J	03.47	34.467	27.44		1466.4							
	DBS	0017F	03.66	34.560	27.49		1467.8							
	STO	0020J	03.63	34.60	27.50	00.208	1468.9							
	DBS	0020I	03.85	34.600	27.51		1469.0							
	DBS	0022F	04.12	34.685	27.54		1470.7							
	STO	0025J	04.24	34.60	27.63	00.236	1471.7							
	DBS	0025I	04.24	34.810	27.63		1471.7							

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REFID 31 8355 YEAR 1973 BOTOP 00302 AIR TEMP 02.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1306  
 CONSEC 0056 MONTH 04 SHIP EV WET BULB 02.5 03 3 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 4  
 LAT 47 03 N DAY 21 DATA USE 1 BAROMETR 0996.2 SEA 2 SQUARE 66  
 LONG 046 14 W HOUR 14.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 243 1 SQUARE 76

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SI03	PH
14.7	STO	0000J	01.41	33.01	26.44	00.000	1452.9							
	DBS	0000I	01.41	33.010	26.44		1453.0							
	STO	0001J	01.41	33.04	26.46	00.016	1453.1							
	DBS	0001I	01.41	33.040	26.47		1453.1							
	STO	0002J	01.41	33.04	26.47	00.032	1453.3							
	DBS	0002I	01.41	33.040	26.47		1453.3							
	STO	0003J	01.40	33.05	26.47	00.047	1453.4							
	DBS	0003I	01.37	33.050	26.48		1453.3							
	STO	0005J	00.85	33.26	26.68	00.077	1451.8							
	DBS	0005I	00.66	33.290	26.70		1451.7							
	DBS	0006I	00.64	33.560	26.93		1451.2							
	STO	0007F	01.32	33.79	27.07	00.106	1454.8							
	DBS	0007B	01.38	33.800	27.08		1455.1							
	DBS	0009F	02.19	34.068	27.23		1459.4							
	DBS	0009F	02.65	34.130	27.25		1462.4							
	STO	0010J	02.74	34.13	27.24	00.129	1462.0							
	DBS	0010I	02.70	34.130	27.24		1461.8							
	DBS	0010I	02.59	34.153	27.27		1461.4							
	DBS	0010B	02.95	34.200	27.27		1463.1							
	DBS	0011F	03.09	34.340	27.57		1464.1							
	DBS	0012F	03.11	34.340	27.37		1464.2							
	STO	0012F	03.21	34.36	27.36	00.149	1464.7							
	DBS	0012F	03.37	34.400	27.39		1465.5							
	STO	0015J	03.38	34.44	27.45	00.166	1464.7							
	DBS	0015J	03.08	34.437	27.45		1464.7							
	DBS	0017F	03.02	34.490	27.50		1464.9							
	STO	0020J	03.63	34.53	27.47	00.198	1467.9							
	DBS	0020I	03.67	34.540	27.48		1468.2							
	DBS	0022B	04.29	34.735	27.57		1471.5							
	STO	0025J	04.39	34.61	27.62	00.227	1472.3							
	DBS	0025I	04.39	34.815	27.62		1472.4							
	DBS	0027B	04.41	34.867	27.66		1472.9							
	DBS	0028F	04.30	34.887	27.68		1473.0							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	BOTOP 00556	AIR TEMP 02.0	DIR MGT PER	WIND-DIR 33	INST STO RECORDER	TEN SQ 1306
CONSEC 0056	MONTH 04	SHIP EV	WET 00LB 02.0	33 3 3	WIND-SPO 14	TRACE DIR 0	5 SQUARE 4
LAT 46 58.5N	DAY 21	DATA USE 1	BAROMETR 0994.4	SEA	WIND-FOR	DURATION	2 SQUARE 66
LONG 140 55 W	HOOR 16.8	AREA 05	CLOUD 7/A	CL/TR	WEATHER A4	DRIG 011 244	1 SQUARE 66

CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOMTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
10.8	STO	00000	00.86	33.11	26.55	00.000	1450.7							
	OBS	00001	00.88	33.107	26.55		1450.7							
	STO	00010	00.87	33.11	26.55	00.015	1450.8							
	OBS	00011	00.86	33.105	26.55		1450.8							
	STO	00020	00.83	33.09	26.55	00.030	1450.7							
	OBS	00021	00.80	33.092	26.55		1450.6							
	OBS	00028	00.36	33.085	26.57		1448.6							
	STO	00030	00.08	33.18	26.66	00.044	1447.6							
	OBS	00030	00.00	33.212	26.69		1447.3							
	OBS	00034	- 0.36	33.305	26.78		1445.8							
	OBS	00036	- 0.38	33.300	26.77		1445.8							
	OBS	00038	- 0.68	33.318	26.80		1444.4							
	OBS	00045	- 0.60	33.410	26.88		1444.1							
	OBS	00049	- 0.57	33.440	26.89		1445.3							
	STO	00050	- 0.57	33.45	26.90	00.070	1445.3							
	OBS	00053	- 0.57	33.514	26.95		1445.5							
	OBS	00072	- 0.97	33.648	27.06		1444.1							
	STO	00075	- 0.87	33.65	27.08	00.097	1444.6							
	OBS	00078	- 0.77	33.660	27.08		1445.2							
	OBS	00095	- 0.46	33.860	27.23		1447.2							
	STO	00100	- 0.20	33.97	27.31	00.119	1448.6							
	OBS	00100	- 0.16	33.990	27.32		1448.8							
	STO	00125	00.66	34.19	27.43	00.137	1452.2							
	OBS	00125	03.68	34.190	27.44		1453.3							
	STO	00150	01.35	34.33	27.50	00.152	1456.9							
	OBS	00150	01.36	34.330	27.50		1457.0							
	OBS	00152	02.42	34.350	27.52		1457.3							
	OBS	00161	02.26	34.480	27.56		1461.4							
	OBS	00163	02.17	34.507	27.59		1461.0							
	OBS	00165	02.42	34.550	27.60		1462.2							
	OBS	00175	01.65	34.450	27.58		1458.8							
	OBS	00178	01.67	34.480	27.60		1459.0							
	STO	00200	02.51	34.52	27.57	00.181	1463.1							
	OBS	00201	02.65	34.560	27.59		1463.8							
	OBS	00205	02.96	34.660	27.64		1465.4							
	OBS	00220	03.26	34.690	27.64		1466.9							
	OBS	00226	03.05	34.660	27.63		1466.1							
	OBS	00243	02.56	34.616	27.64		1464.2							
	STO	00250	02.71	34.69	27.69	00.205	1465.1							
	OBS	00251	02.74	34.700	27.69		1465.2							
	OBS	00257	02.65	34.690	27.67		1465.8							
	OBS	00264	03.06	34.687	27.65		1466.8							
	OBS	00276	03.28	34.790	27.71		1468.1							
	OBS	00281	03.63	34.820	27.70		1465.7							
	STO	00300	03.75	34.83	27.70	00.226	1470.5							
	OBS	00300	03.76	34.850	27.70		1470.6							
	OBS	00350	04.30	34.880	27.68		1473.7							
	STO	00400	04.19	34.89	27.70	00.270	1474.1							
	OBS	00401	04.19	34.890	27.70		1474.1							
	OBS	00453	04.01	34.900	27.73		1474.2							
	STO	00500	03.67	34.90	27.74	00.313	1474.4							
	OBS	00500	03.87	34.900	27.74		1474.4							
	OBS	00536	03.70	34.894	27.75		1474.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N C O C S T A T I C A D A T A

REFID 31 0355 YEAR 1973 BOTOP 01096 AIR TEMP 02.0 DIR PGT PER WIND-DIR 33 INST SIG RECORDER TEA SU 1306  
 CONSEC 0060 MGNTH 04 SNIP EV WET BULB 02.0 33 4 2 WIND-SPO 20 TRACE CIR C 5 SQUARE 4  
 LAT 47 03.5N DAY 21 DATA USE 1 BAROMETR SEA WIND-FDR WIND-FDR DURATION 2 SQUARE 66  
 LONG 046 44 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER 44 GRIG 011 245 1 SQUARE 76

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-7	SYNDPH	SIG VEL	DAYG	PU4	TOT P	AC2	NC3	SIG3	PH
18.5	STO	00000	- 1.04	33.30	26.80	00.000	1442.1							
	OBS	00001	- 1.04	33.305	26.80		1442.1							
	STO	00010	- 1.04	33.31	26.81	00.013	1442.3							
	OBS	00011	- 1.04	33.314	26.81		1442.3							
	STO	00020	- 1.02	33.31	26.81	00.025	1442.5							
	OBS	00020	- 1.02	33.310	26.81		1442.6							
	OBS	00024	- 1.04	33.290	26.79		1442.6							
	STO	00030	- 1.04	33.41	26.89	00.037	1442.7							
	OBS	00030	- 1.05	33.420	26.90		1442.7							
	OBS	00036	- 1.20	33.487	26.96		1442.2							
	OBS	00040	- 0.66	33.513	26.96		1444.6							
	OBS	00043	- 0.75	33.515	26.96		1444.5							
	STO	00050	- 1.02	33.58	27.03	00.059	1443.4							
	OBS	00051	- 1.07	33.566	27.04		1443.2							
	STO	00075	- 0.88	33.65	27.08	00.084	1444.6							
	OBS	00076	- 0.67	33.660	27.08		1444.7							
	STO	00100	- 0.46	33.84	27.21	00.106	1447.1							
	OBS	00100	- 0.46	33.850	27.22		1447.2							
	OBS	00114	- 0.14	34.010	27.34		1449.1							
	OBS	00116	00.22	34.095	27.36		1451.4							
	STO	00125	00.50	34.13	27.40	00.127	1452.4							
	OBS	00125	00.51	34.130	27.40		1452.5							
	STO	00150	00.51	34.14	27.42	00.144	1454.8							
	OBS	00150	00.52	34.145	27.42		1454.6							
	OBS	00175	01.58	34.425	27.57		1458.5							
	STO	00200	02.00	34.51	27.60	00.173	1460.9							
	OBS	00205	02.06	34.517	27.60		1461.3							
	OBS	00226	02.15	34.540	27.61		1462.0							
	STO	00250	02.14	34.54	27.61	00.195	1462.4							
	OBS	00251	02.14	34.545	27.62		1462.4							
	OBS	00276	02.56	34.685	27.69		1464.9							
	STO	00300	02.91	34.68	27.66	00.223	1466.7							
	OBS	00302	02.95	34.683	27.66		1466.9							
	OBS	00350	03.57	34.823	27.71		1470.6							
	STO	00400	03.77	34.85	27.71	00.267	1472.3							
	OBS	00401	03.78	34.88	27.740									
	OBS	00451	04.09	34.870	27.65		1474.5							
	STO	00500	04.05	34.88	27.71	00.311	1475.2							
	OBS	00500	04.05	34.880	27.71		1475.2							
	OBS	00550	04.10	34.895	27.71		1476.2							
	STO	00600	04.05	34.90	27.72	00.355	1476.8							
	OBS	00603	04.05	34.900	27.72		1476.9							
	OBS	00651	04.02	34.900	27.73		1477.6							
	STO	00700	04.00	34.90	27.73	00.394	1478.3							
	OBS	00700	04.00	34.900	27.73		1478.3							
	OBS	00750	03.94	34.900	27.73		1478.6							
	STO	00800	03.87	34.90	27.74	00.444	1479.4							
	OBS	00801	03.87	34.900	27.74		1479.4							
	OBS	00850	03.65	34.900	27.74		1480.2							
	STO	00900	03.76	34.90	27.75	00.487	1480.6							
	OBS	00900	03.76	34.895	27.75		1480.6							
	OBS	00951	03.73	34.900	27.76		1481.3							
	STO	01000	03.66	34.90	27.76	00.531	1482.0							
	OBS	01001	03.66	34.895	27.76		1482.0							
	OBS	01333	03.69	34.900	27.76		1482.0							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NUCC STATION DATA

REFID 31 8355 YEAR 1973 BUOTOP 01134 AIR TEMP 34.1 DIR HGT FER WIND-DIR 32 INST STD RECORDER TEN SW 1306  
 CONSEC 0061 MONTH 04 SHIF EV WET DULB 03.0 33 3 4 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 47 02 N DAY 21 DATA USE 1 BARCNETH 0694.6 SEA CRATICA DURATICA 2 SQUARE 06  
 LONG 047 03 W HOUR 20.3 AREA 05 CLOUD 1/A CL/TRA WEATHER X2 CRIG 011 246 1 SQUARE 71

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	OXYG	PU4	TUT P	NO2	NC3	S103	PH
22.3	STL	00000	- 0.97	33.37	26.86	00.000	1442.5							
	OBS	00003	- 0.97	33.375	26.86		1442.6							
	STO	00010	- 0.95	33.40	26.87	00.012	1442.8							
	OBS	00011	- 0.95	33.400	26.88		1442.9							
	STC	00020	- 0.94	33.40	26.88	00.024	1443.0							
	OBS	00020	- 0.94	33.400	26.88		1443.1							
	STO	00030	- 0.95	33.40	26.88	00.036	1443.2							
	OBS	00030	- 0.95	33.400	26.88		1443.2							
	STO	00050	- 1.23	33.44	26.92	00.059	1442.2							
	OBS	00051	- 1.24	33.440	26.92		1442.2							
	OBS	00059	- 1.29	33.455	26.93		1442.1							
	STO	00075	- 1.24	33.51	26.98	00.087	1442.7							
	OBS	00076	- 1.23	33.517	26.98		1442.8							
	OBS	00078	- 1.22	33.510	26.97		1442.8							
	OBS	00081	- 0.79	33.582	27.02		1445.0							
	OBS	00087	- 0.67	33.620	27.04		1445.7							
	OBS	00095	- 0.92	33.810	27.05		1444.7							
	STO	00100	- 0.56	33.84	27.07	00.113	1444.6							
	OBS	00100	- 0.97	33.650	27.08		1444.6							
	STO	00125	- 0.81	33.77	27.17	00.136	1445.5							
	OBS	00125	- 0.80	33.772	27.17		1446.0							
	OBS	00127	- 0.78	33.770	27.17		1446.1							
	OBS	00133	- 0.52	33.857	27.23		1447.5							
	STO	00150	- 0.16	34.01	27.33	00.157	1449.7							
	OBS	00150	- 0.13	34.010	27.34		1449.8							
	OBS	00175	00.58	34.165	27.45		1453.7							
	OBS	00180	00.73	34.220	27.46		1454.5							
	STO	00200	01.39	34.38	27.54	00.190	1458.0							
	OBS	00201	01.44	34.395	27.55		1458.3							
	OBS	00218	01.87	34.485	27.59		1460.6							
	OBS	00224	02.38	34.540	27.59		1463.0							
	OBS	00226	02.37	34.550	27.60		1463.0							
	STO	00250	02.92	34.69	27.67	00.215	1465.9							
	OBS	00251	02.94	34.695	27.67		1466.1							
	OBS	00276	03.20	34.760	27.71		1467.7							
	STO	00300	03.58	34.82	27.71	00.237	1469.7							
	OBS	00300	03.57	34.825	27.71		1469.8							
	OBS	00352	03.95	34.880	27.71		1472.5							
	STO	00400	04.12	34.88	27.70	00.280	1473.8							
	OBS	00401	04.12	34.880	27.70		1473.8							
	OBS	00401	04.11	34.890	27.71		1474.6							
	STO	00500	04.08	34.90	27.72	00.324	1475.3							
	OBS	00500	04.09	34.900	27.72		1475.3							
	OBS	00550	04.09	34.895	27.72		1476.0							
	STO	00600	04.01	34.90	27.73	00.367	1476.7							
	OBS	00601	04.01	34.900	27.73		1476.7							
	OBS	00651	03.95	34.900	27.73		1477.1							
	STO	00700	02.88	34.90	27.74	00.411	1477.8							
	OBS	00700	02.88	34.900	27.74		1477.8							
	OBS	00750	02.83	34.900	27.75		1478.4							
	STO	00800	03.61	34.90	27.75	00.454	1479.2							
	OBS	00801	03.61	34.900	27.75		1479.2							
	OBS	00850	03.75	34.900	27.75		1479.7							
	STO	00900	03.72	34.90	27.76	00.497	1480.4							
	OBS	00900	03.72	34.898	27.76		1480.4							
	OBS	00951	03.69	34.900	27.76		1481.2							
	STO	01000	03.65	34.90	27.76	00.540	1481.8							
	OBS	01001	03.65	34.900	27.76		1481.8							
	OBS	01005	03.66	34.900	27.76		1481.9							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

N C C C S T A T I O N C A T A

REFID 31 #355 YEAR 1973 BOTOP 00732 AIR TEMP 00.0 OIR PGT PER #IND-DIK 28 INST STO RECQKOE . TEN SW 1306  
 CONSEC 0062 MONTH 04 SNIP EV NET HULB 00.0 10 2 4 #INC-SPC 25 TRACE CIA 0 5 SQUARE 4  
 LAT 47 01 N DAY 21 DATA USE 1 BAROMETR 0996.1 SEA CL/TR #INU-FUK DURATICA 0URATICA 60  
 LONG 047 11 W HOUR 22.3 AREA 05 CLUCO T/A WEATHER A4 ORIG C11 247 1 SQUARE 77

CASSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNU VEL	CXYG	PO4	TOT P	NC2	NC3	S103	PH
22.3	STO	00000	- 1.61	33.09	26.64	00.000	1439.1							
	OBS	00003	- 1.61	33.050	26.64		1439.2							
	STO	00010	- 1.62	33.10	26.65	00.014	1439.3							
	OBS	00011	- 1.62	33.100	26.65		1439.3							
	STO	00020	- 1.62	33.11	26.66	00.028	1439.4							
	OBS	00020	- 1.62	33.110	26.66		1439.5							
	STO	00030	- 1.61	33.17	26.71	00.042	1439.5							
	OBS	00030	- 1.61	33.170	26.71		1439.5							
	OBS	00041	- 1.74	33.30C	26.82		1439.5							
	STO	00050	- 1.71	33.32	26.83	00.067	1439.6							
	OBS	00051	- 1.71	33.320	26.83		1439.6							
	STO	00075	- 1.69	33.32	26.83	00.096	1440.3							
	OBS	00076	- 1.69	33.320	26.83		1440.3							
	STO	00100	- 1.65	33.44	26.93	00.127	1441.1							
	OBS	00100	- 1.65	33.440	26.93		1441.1							
	STO	00125	- 1.44	33.52	26.99	00.155	1442.6							
	OBS	00125	- 1.44	33.520	27.00		1442.7							
	OBS	00124	- 1.30	33.570	27.03		1443.0							
	OBS	00132	- 1.11	33.630	27.07		1444.2							
	STO	00150	- 1.02	33.75	27.10	00.175	1445.3							
	OBS	00152	- 1.01	33.760	27.17		1445.4							
	OBS	00154	- 0.44	33.790	27.17		1446.2							
	OBS	00163	- 0.64	33.850	27.22		1447.5							
	OBS	00175	- 0.18	33.650	27.21		1447.8							
	STO	00200	00.08	33.97	27.30	00.222	1451.5							
	OBS	00201	00.10	33.980	27.30		1451.7							
	OBS	00209	- 0.16	34.000	27.33		1450.5							
	OBS	00226	- 0.37	34.010	27.33		1451.3							
	OBS	00228	- 0.06	34.080	27.39		1451.5							
	OBS	00232	00.15	34.120	27.41		1452.6							
	OBS	00236	00.19	34.120	27.41		1452.8							
	OBS	00241	00.42	34.130	27.40		1454.0							
	STO	00250	00.64	34.18	27.43	00.25E	1455.2							
	OBS	00251	00.67	34.190	27.44		1455.4							
	OBS	00276	01.19	34.330	27.52		1458.3							
	OBS	00295	01.87	34.480	27.59		1461.8							
	STO	00300	02.12	34.53	27.61	00.287	1463.1							
	OBS	00300	02.16	34.540	27.61		1463.3							
	OBS	00333	02.84	34.66 P	27.810									
	OBS	00335	02.88	34.670	27.65 *		1467.2							
	OBS	00352	03.19	34.780	27.71		1468.5							
	STO	00400	03.72	34.84	27.71	00.333	1472.1							
	OBS	00403	03.75	34.89 P	27.750									
	OBS	00451	04.02	34.880	27.71 *		1474.2							
	STO	00500	03.57	34.89	27.72	00.376	1474.8							
	OBS	00500	03.57	34.890	27.72		1474.8							
	OBS	00552	03.84	34.890	27.74		1475.1							
	STO	00600	03.77	34.89	27.74	00.419	1475.6							
	OBS	00601	03.77	34.850	27.74		1475.7							
	OBS	00651	03.74	34.890	27.75		1476.4							
	STO	00700	03.72	34.85	27.75	00.461	1477.1							
	OBS	00700	03.72	34.890	27.75		1477.1							
	OBS	00729	03.72	34.890	27.75		1477.6							

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TABLE I. Observed oceanographic data occupied by USCGC EVERGREEN,  
3-22 April 1973.—Continued

NOOC STATION DATA

REFID 31 8555 YEAR 1973 BOTOP 03507 AIR TEMP 00.3 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SG 1306  
 COASEC 0003 MONTH 04 SHIP EV WET BULB 00.3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 47 01.1N DAY 21 DATA USE 1 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 047 14 W MOJR 23.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG D11 248 1 SQUARE 77

CASNUM/114E	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P-	NO2	NO3	SI03	PH
23.6	STO	00003	- 1.08	33.10	26.65	00.000	1436.8							
	085	00001	- 1.08	33.100	26.65		1438.8							
	085	00003	- 1.08	33.100	26.65		1438.5							
	085	00005	- 1.08	33.100	26.65		1438.9							
	085	00007	- 1.08	33.100	26.65		1438.9							
	STO	00010	- 1.08	33.11	26.66	00.014	1439.0							
	085	00011	- 1.08	33.110	26.66		1439.0							
	STO	00020	- 1.06	33.10	26.65	00.028	1439.2							
	085	00020	- 1.06	33.100	26.65		1439.3							
	STO	00030	- 1.05	33.17	26.71	00.042	1439.5							
	085	00030	- 1.05	33.170	26.71		1439.6							
	085	00043	- 1.70	33.310	26.83		1439.5							
	STO	00050	- 1.75	33.32	26.83	00.067	1439.4							
	085	00053	- 1.75	33.320	26.83		1439.7							
	STO	00075	- 1.49	33.30	26.81	00.098	1441.3							
	085	00076	- 1.48	33.300	26.81		1441.3							
	STO	00100	- 1.58	33.43	26.92	00.128	1441.4							
	085	00100	- 1.58	33.430	26.92		1441.4							
	STO	00125	- 1.40	33.51	26.98	00.155	1442.8							
	085	00125	- 1.37	33.530	27.00		1443.3							
	STO	00150	- 1.22	33.62	27.06	00.181	1444.2							
	085	00150	- 1.22	33.620	27.06		1444.2							
	085	00173	- 0.85	33.780	27.18		1446.5							
	085	00180	- 0.25	33.860	27.22		1445.4							
	STO	00200	- 0.12	33.86	27.21	00.226	1450.4							
	085	00231	- 0.11	33.860	27.21		1450.5							
	085	00226	00.01	34.010	27.33		1451.7							
	STO	00250	00.53	34.18	27.44	00.266	1454.6							
	085	00251	00.53	34.190	27.44		1454.7							
	085	00257	00.66	34.210	27.45		1455.4							
	085	00262	00.98	34.250	27.50		1457.1							
	085	00266	01.02	34.310	27.51		1457.4							
	085	00272	01.42	34.340	27.51		1455.3							
	085	00276	01.45	34.340	27.51		1459.5							
	085	00298	01.56	34.490	27.55		1462.3							
	STO	00300	01.92	34.48	27.59	00.295	1462.1							
	085	00300	01.85	34.480	27.59		1462.0							
	085	00323	02.18	34.540	27.61		1463.6							
	085	00352	02.47	34.560	27.60		1465.5							
	085	00378	02.67	34.600	27.68		1467.0							
	STO	00400	02.95	34.77	27.73	00.341	1466.7							
	085	00401	03.02	34.760	27.73		1469.0							
	085	00407	03.32	34.810	27.73		1470.4							
	085	00420	03.50	34.840	27.73		1471.5							
	085	00426	03.81	34.880	27.73		1472.9							
	085	00451	03.90	34.850	27.73		1473.7							
	STO	00500	03.89	34.87	27.72	00.383	1474.5							
	085	00503	03.89	34.870	27.72		1474.5							
	085	00534	03.91	34.850	27.73		1475.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.

N O O C S T A T I O N D A T A

REFID 31 0355 YEAR 1973 BOTOP 00071 AIR TEMP 05.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SW 1307  
CONSEC 0006 MONTH 05 SHIP EV MET BULB 05.0 13 2 1 WIND-SPD 20 TRACE DIR 0 5 SQUARE 1  
LAT +3 13 N DAY 12 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 21 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 245 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PD4	TOT P	NO2	NO3	S103	PH
12.4	STD	00000	02.90	32.32	25.78	00.000	1458.5							
	0BS	00001	02.90	32.320	25.78		1458.6							
	STD	00010	02.87	32.31	25.78	00.022	1458.6							
	0BS	00011	02.87	32.313	25.78		1458.6							
	0BS	00013	02.87	32.340	25.82		1457.8							
	STD	00020	02.65	32.41	25.87	00.044	1457.9							
	0BS	00020	02.65	32.447	25.90		1458.0							
	0BS	00024	02.38	32.653	26.05		1457.1							
	0BS	00028	01.44	32.557	26.08		1452.9							
	STD	00030	00.85	32.63	26.17	00.064	1450.4							
	0BS	00030	00.86	32.653	26.20		1449.5							
	0BS	00045	00.16	32.923	26.45		1447.5							
	0BS	00045	00.32	32.860	26.35		1448.5							
	0BS	00049	00.07	32.825	26.37		1447.4							
	STD	00050	- 0.25	32.86	26.40	00.095	1446.9							
	0BS	00051	- 0.31	32.945	26.48		1445.9							
	0BS	00055	- 0.46	33.115	26.63		1445.5							

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REFID 31 0355 YEAR 1973 BOTOP 00075 AIR TEMP 07.0 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SW 1307  
CONSEC 0005 MONTH 05 SHIP EV MET BULB 05.8 22 1 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 1  
LAT +3 10 N DAY 12 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 20 W HOUR 13.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 250 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PD4	TOT P	NO2	NO3	S103	PH
13.1	STD	00000	03.18	32.53	25.92	00.000	1460.0							
	0BS	00000	03.18	32.530	25.92		1460.0							
	0BS	00009	02.99	32.517	25.93		1459.3							
	STD	00010	02.71	32.53	25.96	00.021	1458.2							
	0BS	00013	01.26	32.617	26.14		1451.9							
	0BS	00017	00.44	32.785	26.32		1448.5							
	STD	00020	00.17	32.82	26.37	00.035	1447.4							
	0BS	00020	00.10	32.837	26.38		1447.1							
	STD	00030	- 0.23	32.96	26.45	00.055	1446.0							
	0BS	00030	- 0.21	32.965	26.50		1446.0							
	STD	00050	- 0.54	33.20	26.70	00.084	1445.1							
	0BS	00051	- 0.55	33.210	26.71		1445.1							
	0BS	00060	- 0.58	33.202	26.70		1445.1							

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REFID 31 0355 YEAR 1973 BOTOP 00076 AIR TEMP 05.7 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SW 1307  
CONSEC 0006 MONTH 05 SHIP EV MET BULB 05.5 22 0 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 1  
LAT +3 35.5N DAY 12 DATA USE 1 BAROMETR 1021.8 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 21.5W HOUR 14.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 251 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PD4	TOT P	NO2	NO3	S103	PH
14.2	STD	00000	03.18	32.44	26.01	00.000	1460.2							
	0BS	00001	03.18	32.442	26.01		1460.2							
	0BS	00009	03.10	32.442	26.02		1460.0							
	STD	00010	03.07	32.60	25.95	00.020	1459.8							
	0BS	00013	02.73	32.520	25.95		1458.3							
	0BS	00017	02.10	32.520	26.32		1456.1							
	STD	00020	02.06	32.57	26.37	00.035	1456.1							
	0BS	00020	02.05	32.550	26.38		1456.1							
	0BS	00024	00.57	32.833	26.35		1449.3							
	0BS	00028	00.17	32.500	26.43		1447.6							
	STD	00030	00.05	32.52	26.45	00.055	1447.0							
	0BS	00030	00.00	32.930	26.46		1446.9							
	0BS	00034	00.18	33.000	26.51		1447.9							
	0BS	00036	00.21	33.004	26.51		1448.1							
	0BS	00038	00.12	32.995	26.51		1447.7							
	STD	00050	- 0.36	33.11	26.62	00.085	1445.8							
	0BS	00051	- 0.40	33.117	26.63		1445.7							
	0BS	00064	- 0.71	33.202	26.71		1444.6							
	0BS	00074	- 0.52	33.340	26.81		1445.8							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N G O C S T A T I O N D A T A

REFID 21 8355 YEAR 1973 BOTOP 00140 AIR TEMP 06.5 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1307  
 CONSEC 0367 MONTH 05 SHIP EV WET BULB 08.0 17 0 2 WIND-SPD 06 TRACE DIR 0 5 SOJARE 1  
 LAT 43 00 N DAY 12 DATA USE 1 BAROMETR SEA WIND-FDR DURATION 2 SOJARE 20  
 LONG 050 22.5W HOUR 15.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG 011 252 1 SOJARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
15.4	STO	00000	01.95	32.44	25.87	00.000	1459.1							
	OBS	00033	02.95	32.445	25.87		1459.1							
	STO	00010	00.01	32.92	26.45	00.019	1446.6							
	OBS	00010	00.01	32.520	26.45		1446.6							
	STO	00020	-0.24	32.58	26.51	00.034	1445.7							
	OBS	00020	-0.24	32.585	26.51		1445.7							
	STO	00030	-0.64	33.03	26.57	00.049	1444.1							
	OBS	00030	-0.64	33.030	26.57		1444.1							
	STO	00050	-0.72	33.05	26.62	00.076	1444.1							
	OBS	00050	-0.72	33.050	26.62		1444.1							
	OBS	00060	-0.82	33.190	26.70		1446.0							
	STO	00075	-0.82	33.20	26.71	00.113	1444.2							
	OBS	00075	-0.82	33.200	26.71		1444.2							
	STO	00100	00.06	33.42	26.85	00.145	1445.0							
	OBS	00100	00.06	33.420	26.85		1445.0							

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REFID 31 8355 YEAR 1973 BOTOP 00345 AIR TEMP 10.5 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1307  
 CONSEC 0368 MONTH 05 SHIP EV WET BULB 08.4 16 2 3 WIND-SPD 10 TRACE DIR 0 5 SOJARE 1  
 LAT 42 56 N DAY 12 DATA USE 1 BAROMETR 1022.2 SEA WIND-FDR DURATION 2 SOJARE 20  
 LONG 050 23 W HOUR 16.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG 011 253 1 SOJARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
16.1	STO	00000	02.88	32.67	26.06	00.000	1458.9							
	OBS	00001	02.88	32.671	26.06		1459.0							
	OBS	00005	02.53	32.705	26.12		1457.5							
	OBS	00007	01.95	32.680	26.13		1454.9							
	STO	00010	01.03	32.83	26.33	00.018	1451.1							
	OBS	00011	00.60	32.915	26.42		1445.3							
	STO	00020	-0.15	33.07	26.56	00.034	1445.8							
	OBS	00020	-0.31	33.085	26.60		1445.5							
	STO	00030	-0.57	33.17	26.68	00.048	1444.6							
	OBS	00030	-0.58	33.175	26.68		1444.6							
	STO	00050	-0.84	33.25	26.75	00.075	1443.8							
	OBS	00051	-0.85	33.255	26.76		1443.8							
	STO	00075	-0.85	33.31	26.80	00.107	1444.1							
	OBS	00076	-0.90	33.320	26.81		1444.1							
	OBS	00057	-0.57	33.360	26.84		1444.1							
	STO	00100	-0.96	33.35	26.84	00.138	1444.2							
	OBS	00100	-0.96	33.353	26.84		1444.2							
	STO	00125	-0.82	33.40	26.92	00.167	1445.4							
	OBS	00125	-0.82	33.465	26.92		1445.4							
	STO	00150	-0.66	33.55	26.99	00.195	1446.7							
	OBS	00150	-0.66	33.550	26.99		1446.7							
	OBS	00177	-0.35	33.547	26.97		1448.6							
	STO	00200	00.17	33.68	27.05	00.247	1451.5							
	OBS	00201	00.20	33.653	27.06		1451.8							
	OBS	00213	00.57	33.750	27.12		1453.7							
	OBS	00215	00.80	33.830	27.14		1454.9							
	OBS	00226	00.78	33.800	27.14		1455.0							
	OBS	00239	01.41	34.010	27.24		1458.2							
	STO	00250	01.84	34.04	27.23	00.293	1460.3							
	OBS	00251	01.88	34.040	27.23		1460.6							
	OBS	00276	02.20	34.145	27.29		1462.5							
	STO	00300	02.44	34.24	27.35	00.334	1464.1							
	OBS	00300	02.46	34.258	27.35		1464.2							
	OBS	00304	02.54	34.250	27.35		1464.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 8555 YEAR 1973 BOTOP 01000 AIR TEMP 09.2 DIR HGT PER #140-DIR 23 INST STO RECORDER TEN SQ 1507  
 CONSEC 0069 MONTH 05 SHIP EV WET BULB 08.8 18 1 2 WIND-SPO 14 TRACE DIR 0 5 SQUARE 1  
 LAT 47 45.5N DAY 12 DATA USE 1 BAROMETR 1022.5 SEA #WIND-FOR DURATION 2 SQUARE 20  
 LONG 053 24 W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 254 1 SQUARE 20

CASTNO/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	DXYG	P04	TOT P-	M02	M03	S103	Pn
17.1	STO	00000	02.30	33.01	26.38	00.000	1456.5							
	OBS	00003	02.30	33.008	26.38		1456.5							
	STO	00010	01.77	33.01	26.42	00.016	1454.7							
	OBS	00011	01.71	33.007	26.42		1454.4							
	OBS	00015	01.64	33.010	26.42		1454.2							
	OBS	00019	01.54	33.017	26.45		1452.5							
	STO	00020	01.26	33.00	26.44	00.032	1452.6							
	OBS	00022	00.81	32.993	26.48		1445.7							
	OBS	00024	- 0.20	33.035	26.55		1446.0							
	OBS	00026	- 0.73	33.082	26.61		1443.7							
	STO	00030	- 0.87	33.21	26.72	00.047	1443.3							
	OBS	00030	- 0.85	33.228	26.74		1443.2							
	OBS	00032	- 0.79	33.317	26.80		1443.6							
	OBS	00036	- 1.10	33.310	26.81		1442.4							
	STO	00050	- 1.22	33.34	26.84	00.075	1442.1							
	OBS	00051	- 1.23	33.342	26.84		1442.1							
	STO	00075	- 1.34	33.34	26.84	00.103	1442.0							
	OBS	00076	- 1.35	33.340	26.84		1442.0							
	OBS	00085	- 1.43	33.453	26.93		1441.5							
	STO	00100	- 1.30	33.45	26.96	00.152	1442.8							
	OBS	00100	- 1.29	33.490	26.96		1442.5							
	STO	00125	- 1.21	33.50	26.96	00.159	1443.6							
	OBS	00125	- 1.21	33.500	26.97		1443.7							
	OBS	00131	- 1.17	33.540	27.00		1444.0							
	OBS	00135	- 0.51	33.690	27.09		1447.4							
	OBS	00142	- 0.23	33.757	27.14		1448.5							
	OBS	00146	00.54	33.833	27.16		1452.6							
	STO	00150	00.74	33.84	27.15	00.165	1453.5							
	OBS	00150	00.76	33.837	27.15		1453.6							
	OBS	00175	01.30	34.015	27.25		1457.0							
	OBS	00190	02.00	34.15 P	27.310									
	STO	00200	01.91	34.04	27.23	00.229	1455.8							
	OBS	00201	01.85	34.040	27.23		1459.8							
	OBS	00209	02.14	34.040	27.21		1461.0							
	OBS	00213	02.38	34.160	27.29		1462.5							
	OBS	00224	02.54	34.215	27.32		1463.2							
	OBS	00226	02.84	34.230	27.31		1464.6							
	STO	00250	02.02	34.17	27.33	00.270	1461.3							
	OBS	00251	01.95	34.162	27.32		1461.2							
	OBS	00276	01.98	34.250	27.39		1461.7							
	STO	00300	02.37	34.40	27.48	00.305	1464.0							
	OBS	00300	02.41	34.407	27.49		1464.2							
	OBS	00306	02.75	34.500	27.53		1465.5							
	OBS	00310	02.81	34.500	27.53		1466.2							
	OBS	00316	03.10	34.555	27.54		1467.6							
	OBS	00325	03.15	34.573	27.55		1468.0							
	OBS	00350	03.25	34.580	27.54		1469.0							
	OBS	00375	03.51	34.593	27.53		1470.4							
	STO	00400	03.72	34.73	27.62	00.362	1471.5							
	OBS	00400	03.74	34.740	27.63		1472.0							
	OBS	00426	04.02	34.820	27.68		1475.7							
	OBS	00451	04.01	34.840	27.68		1474.1							
	OBS	00475	04.15	34.870	27.69		1475.2							
	STO	00500	04.28	34.87	27.68	00.411	1476.0							
	OBS	00500	04.28	34.870	27.68		1476.0							
	OBS	00525	04.21	34.920	27.72		1476.3							
	OBS	00550	04.14	34.932	27.74		1476.4							
	OBS	00576	04.17	34.940	27.74		1477.0							
	STO	00600	04.17	34.92	27.72	00.457	1477.4							
	OBS	00601	04.17	34.915	27.72		1477.4							
	OBS	00626	04.17	34.920	27.73		1477.6							
	OBS	00651	04.13	34.930	27.74		1476.1							
	OBS	00675	04.14	34.930	27.74		1476.5							
	STO	00700	04.11	34.93	27.74	00.501	1476.8							
	OBS	00700	04.11	34.930	27.74		1476.8							
	OBS	00725	04.11	34.930	27.74		1475.2							
	OBS	00750	04.05	34.940	27.75		1475.5							
	OBS	00776	04.08	34.940	27.75		1475.9							
	STO	00800	04.07	34.94	27.75	00.544	1480.3							
	OBS	00801	04.07	34.940	27.75		1480.3							
	OBS	00826	04.08	34.940	27.75		1480.8							
	OBS	00850	04.04	34.940	27.76		1481.0							
	OBS	00875	04.04	34.930	27.75		1481.4							
	STO	00900	04.02	34.94	27.76	00.588	1481.8							
	OBS	00902	04.02	34.940	27.76		1481.8							
	OBS	00925	03.58	34.940	27.76		1482.0							
	OBS	00951	03.55	34.940	27.76		1482.5							
	OBS	00976	03.57	34.940	27.76		1482.8							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 3. A-55 YEAR 1973 BOTOP 01668 AIR TEMP 08.7 DIR HGT PER #INO-DIR 18 INST STO RECORDER TEN SQ 1307  
 CONSEC 0373 MONTH 05 SHIP EV WET dJLB 08.6 18 2 2 #INO-SPO 14 TRACE DIR 0 5 SQUARE 1  
 LAT 42 37 N DAY 12 DATA USE 1 BAROMETR 1022.6 SEA #INO-FOR OURATION 2 SQUARE 20  
 LONG 030 25 W HOUR 16.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 255 1 SQUARE 20

CASIDNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PD4	TOT P <sup>m</sup>	NO2	NO3	SI03	PH
19.4	STO	00000	02.42	33.00	26.36	00.000	1457.4							
	08S	00001	02.42	33.002	26.36		1457.4							
	08S	00002	02.46	32.990	26.35		1457.0							
	08S	00007	02.22	32.590	26.37		1456.6							
	08S	00005	01.73	33.005	26.42		1454.5							
	STO	00010	01.70	33.03	26.44	00.016	1454.4							
	08S	00013	01.41	33.144	26.54		1454.2							
	STO	00020	02.28	33.53	26.64	00.031	1457.6							
	08S	00020	02.34	33.347	26.64		1457.8							
	STO	00030	02.42	33.35	26.64	00.046	1456.3							
	08S	00030	02.42	33.350	26.64		1458.3							
	08S	00034	02.53	33.346	26.64		1456.0							
	08S	00038	02.07	33.350	26.67		1456.9							
	08S	00043	01.52	33.233	26.61		1454.4							
	08S	00045	01.25	33.340	26.72		1453.4							
	08S	00047	01.22	33.343	26.72		1453.3							
	STO	00050	00.84	33.35	26.75	00.073	1451.6							
	08S	00051	00.69	33.350	26.76		1451.0							
	08S	00060	01.21	33.650	26.57		1453.6							
	08S	00062	01.81	33.558	26.85		1454.5							
	08S	00066	01.51	33.537	26.86		1454.5							
	08S	00070	01.57	33.650	26.95		1455.2							
	STO	00075	02.35	33.65	26.92	00.103	1455.3							
	08S	00078	02.54	33.700	26.91		1460.1							
	08S	00059	02.38	33.745	27.00		1455.9							
	STO	00100	02.45	33.66	27.04	00.131	1460.3							
	08S	00100	02.46	33.870	27.05		1460.5							
	08S	00102	02.46	33.780	26.98		1460.3							
	08S	00106	01.71	33.766	27.03		1457.0							
	STO	00125	00.64	33.79	27.12	00.155	1452.6							
	08S	00125	00.63	33.790	27.12		1452.6							
	08S	00137	01.55	33.845	27.16		1452.6							
	STO	00150	00.86	33.51	27.20	00.176	1454.2							
	08S	00150	00.87	33.910	27.20		1454.2							
	08S	00175	01.43	34.040	27.27		1457.3							
	STO	00200	01.62	34.16	27.35	00.215	1458.7							
	08S	00201	01.63	34.160	27.35		1458.8							
	08S	00211	01.45	34.160	27.36		1458.2							
	08S	00217	02.04	34.340	27.46		1461.1							
	08S	00224	02.40	34.350	27.47		1462.9							
	08S	00230	03.33	34.455	27.47		1467.1							
	08S	00232	03.40	34.455	27.47		1467.5							
	08S	00234	03.79	34.550	27.50		1469.3							
	STO	00250	04.17	34.70	27.55	00.252	1471.3							
	08S	00251	04.15	34.710	27.56		1471.4							
	08S	00277	04.25	34.703	27.55		1472.1							
	STO	00300	04.10	34.71	27.56	00.280	1471.8							
	08S	00300	04.10	34.710	27.57		1471.8							
	08S	00325	04.08	34.640	27.67		1472.3							
	08S	00352	04.60	34.930	27.69		1475.1							
	08S	00375	04.76	34.530	27.67		1476.1							
	STO	00400	04.63	34.53	27.68	00.331	1476.0							
	08S	00401	04.62	34.930	27.68		1476.0							
	08S	00426	04.42	34.540	27.71		1475.6							
	08S	00451	04.46	34.520	27.65		1476.1							
	08S	00475	04.42	34.520	27.70		1476.5							
	STO	00500	04.40	34.53	27.71	00.577	1476.7							
	08S	00500	04.40	34.930	27.71		1476.7							
	08S	00525	04.35	34.937	27.72		1477.1							
	08S	00550	04.56	34.540	27.70		1478.2							
	08S	00576	04.58	34.985	27.73		1478.8							
	STO	00600	04.55	35.02	27.76	00.420	1475.1							
	08S	00603	04.54	35.020	27.76		1475.1							
	08S	00626	04.66	35.040	27.77		1480.0							
	08S	00651	04.56	35.030	27.77		1480.0							
	08S	00675	04.54	35.030	27.77		1480.3							
	STO	00700	04.51	35.03	27.78	00.461	1480.6							
	08S	00700	04.51	35.030	27.78		1480.6							
	08S	00725	04.45	34.58 P	27.740*									
	08S	03750	04.33	34.54 P	27.720									
	08S	03778	04.24	34.53 P	27.730									
	STO	00800	04.20	34.53 P	27.730									
	08S	00803	04.15	34.93 P	27.750									
	08S	00850	04.15	34.53 P	27.740									
	08S	00475	04.11	34.52 P	27.730									
	STG	00500	04.10	34.52 P	27.730									
	08S	00500	04.10	34.92 P	27.730									
	08S	00925	04.05	34.92 P	27.730									
	08S	00551	04.07	34.92 P	27.740									
	08S	00576	04.06	34.92 P	27.740									
	STJ	01000	04.06											
	08S	01003	04.06	34.52 P	27.740									

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOCC STATION DATA

REFID 01 8355	YEAR 1973	BOTDP 02435	AIR TEMP 11.5	OIR MGT PER	WIND-OIR 20	INST STD RECORDER	TEN SQ 1307
CONSEC 0071	MONTH 05	SNIP EV	WET BULB 11.0	22 1 3	WIND-SPD 14	TRACE OIR 0	5 SQUARE 1
LAT 42 06 N	DAY 12	DATA USE 1	BAROMETR 1025.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 26.5 W	HOUR 21.8	AREA 05	CLOUD T/A	CL/TR	WEATHER 14	ORIG D11 256	1 SQUARE 20

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTM	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
21.6	STD	00000	05.01	32.79	25.95	00.000	1468.1							
	OBS	00001	05.01	32.790	25.95		1468.1							
	OBS	00003	04.57	32.774	25.98		1468.3							
	OBS	00005	04.32	32.755	26.02		1464.1							
	STD	00010	03.65	32.76	26.06	00.020	1462.5							
	OBS	00013	02.10	32.760	26.15		1455.9							
	OBS	00015	01.52	32.525	26.35		1455.3							
	STD	00020	02.01	32.45	26.38	00.038	1455.9							
	OBS	00020	02.02	33.000	26.39		1456.0							
	OBS	00022	02.32	33.027	26.41		1456.0							
	OBS	00024	01.80	32.880	26.31 *		1454.9							
	OBS	00026	01.47	33.016	26.44		1453.6							
	OBS	00028	01.27	33.047	26.48		1453.3							
	STD	00030	01.19	33.06	26.50	00.054	1452.5							
	OBS	00032	00.97	33.084	26.53		1451.6							
	OBS	00034	00.87	33.160	26.60		1451.3							
	OBS	00045	01.67	33.350	26.73		1455.3							
	OBS	00047	02.45	33.370	26.81		1455.1							
	STD	00050	02.18	33.54	26.81	00.082	1457.9							
	OBS	00051	02.02	33.527	26.81		1457.2							
	OBS	00053	02.55	33.680	26.89		1456.5							
	OBS	00055	02.77	33.560	26.78 *		1460.6							
	OBS	00057	02.71	33.540	26.77		1460.3							
	OBS	00059	02.75	33.815	26.58		1461.1							
	OBS	00062	02.26	33.800	26.53 *		1463.1							
	OBS	00064	03.65	32.865	26.94		1464.8							
	STD	00075	03.55	33.87	26.91 *	00.112	1466.3							
	OBS	00076	03.58	33.853	26.53		1466.5							
	OBS	00078	04.08	34.030	27.03		1467.2							
	OBS	00081	04.50	34.145	27.08		1469.1							
	OBS	00083	04.74	34.033	26.96 *		1470.0							
	OBS	00093	05.17	34.180	27.03		1472.2							
	OBS	00095	05.25	34.37 P	27.170									
	OBS	00097	05.58	34.330	27.10 *		1474.1							
	OBS	00099	05.62	34.23 P	27.010*									
	STD	00100	05.64	34.35	27.11	00.135	1474.4							
	OBS	00102	05.65	34.355	27.11		1474.5							
	OBS	00102	05.68	34.24 P	27.010*									
	OBS	00115	06.37	34.573	27.19		1478.0							
	STD	00125	06.42	34.55	27.16 *	00.162	1478.2							
	OBS	00125	06.42	34.547	27.16		1478.2							
	OBS	00137	06.22	34.44 P	27.100*									
	OBS	00142	05.63	34.530	27.22		1476.1							
	STD	00150	06.29	34.58	27.21	00.186	1478.2							
	OBS	00150	06.31	34.586	27.21		1478.2							
	OBS	00163	06.49	34.590	27.19		1475.2							
	OBS	00165	06.36	34.520	27.15 *		1478.7							
	OBS	00171	05.54	34.455	27.23		1475.4							
	OBS	00175	05.41	34.520	27.27		1474.9							
	STD	00200	05.65	34.58	27.28	00.228	1476.4							
	OBS	00201	05.67	34.585	27.29		1476.5							
	OBS	00226	05.90	34.703	27.35		1478.0							
	STD	00250	05.23	34.55	27.35	00.268	1475.5							
	OBS	00251	05.20	34.550	27.35		1475.4							
	OBS	00276	04.55	34.660	27.45		1474.9							
	STD	00300	05.12	34.71	27.45	00.304	1476.0							
	OBS	00300	05.12	34.710	27.45		1476.1							
	OBS	00325	05.00	34.717	27.47		1476.0							
	OBS	00350	05.18	34.840	27.55		1477.3							
	OBS	00375	05.31	34.875	27.56		1478.3							
	STD	00400	05.18	34.92	27.61	00.365	1478.2							
	OBS	00401	05.17	34.920	27.61		1478.2							
	OBS	00422	05.49 P	34.930	27.560*									
	OBS	00454	04.83	34.920	27.65		1477.6							
	OBS	00475	04.89	34.935	27.66		1476.3							
	STD	00500	04.92	34.93	27.65	00.418	1476.9							
	OBS	00500	04.93	34.925	27.65		1476.9							
	OBS	00525	04.98	34.940	27.65		1479.5							
	OBS	00550	04.86	34.940	27.66		1475.5							
	OBS	00578	04.87	35.020	27.73		1480.0							
	STD	00600	04.80	35.02	27.74	00.465	1480.1							
	OBS	00601	04.80	35.022	27.74		1480.1							
	OBS	00626	04.77	35.030	27.75		1480.4							
	OBS	00651	04.75	35.025	27.75		1480.8							
	OBS	00675	04.41	34.93 P	27.710*									
	STD	00700	04.42	35.00	27.76	00.508	1480.2							
	OBS	00700	04.42	34.93 P	27.710*									
	OBS	00727	04.45	34.94 P	27.710									
	OBS	00750	04.47	34.985	27.75		1481.2							
	OBS	00776	04.46	34.985	27.75		1481.6							
	STD	00800	04.35											
	OBS	00801	04.35	34.94 P	27.720*									
	OBS	00826	04.36	34.94 P	27.724									
	OBS	00850	04.37	35.02 P	27.780									
	OBS	00875	04.34	34.97 P	27.750*									
	STD	00900	04.33											
	OBS	00900	04.33	34.95 P	27.730									
	OBS	00925	04.31	34.94 P	27.730									
	OBS	00951	04.26	34.94 P	27.730									
	OBS	00976	04.27	34.94 P	27.730									
	STD	01000	04.23											
	OBS	01005	04.22	34.94 P	27.740									

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOO C S T A T I O N D A T A

REFID 31 8555	YEAR 1973	BOTOP 03650	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 16	INST STO RECORDER	TEN SQ 1337
CONSEC 0073	MONTH 05	SHIP EV	WET BULB 17.7	23 3 3	WIND-SPO 13	TRACE DIA 0	5 SQUARE 1
LAT 41 51 N	DAY 13	DATA USE 1	BAROMETER 1024.9	SEA	WIND-FOR	DURATION	2 SQUARE 10
LONG 050 29 W	MOJR 030	AREA 05	CLOUD 7/A	CL/T/A	WEATHER X1	ORIG D11 258	1 SQUARE 10

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
03.0	STO	00000	14.62	35.56	26.50	00.000	1502.9							
	OBS	00001	14.62	35.560	26.50		1502.9							
	STO	00010	14.50	35.61	26.57	00.015	1500.7							
	OBS	00011	14.46	35.618	26.58		1502.4							
	STO	00020	14.12	35.63	26.67	00.029	1505.7							
	OBS	00020	14.10	35.630	26.67		1505.6							
	OBS	00022	14.07	35.620	26.67		1505.5							
	OBS	00024	13.54	35.500	26.69		1503.7							
	STO	00030	13.69	35.62	26.75	00.043	1504.4							
	OBS	00030	13.70	35.630	26.75		1504.5							
	STO	00050	13.49	35.62	26.79	00.069	1504.1							
	OBS	00051	13.47	35.618	26.79		1504.0							
	STO	00075	13.19	35.54	26.79	00.101	1503.4							
	OBS	00076	13.18	35.542	26.79		1503.4							
	STO	00100	12.84	35.55	26.67	00.132	1502.6							
	OBS	00100	12.82	35.555	26.68		1502.6							
	STO	00125	12.36	35.42	26.86	00.165	1501.3							
	OBS	00125	12.35	35.416	26.85		1501.3							
	STO	00150	12.40	35.50	26.96	00.192	1502.0							
	OBS	00150	12.40	35.500	26.96		1502.0							
	OBS	00152	12.42	35.550	26.95		1502.1							
	OBS	00156	12.65	35.617	26.96		1503.0							
	OBS	00165	12.63	35.617	26.95		1503.1							
	OBS	00175	12.34	35.540	26.96		1502.2							
	OBS	00175	12.30	35.530	26.96		1502.0							
	STO	00200	11.86	35.51	27.03	00.246	1500.9							
	OBS	00201	11.83	35.510	27.04		1500.8							
	OBS	00206	11.56	35.423	27.05		1499.5							
	OBS	00245	10.75	35.400	27.14		1497.8							
	STO	00250	10.75	35.39	27.15	00.300	1497.7							
	OBS	00250	10.53	35.28 P	27.100*									
	OBS	00277	09.82	35.240	27.19		1494.6							
	STO	00300	09.61	35.26	27.24	00.347	1494.2							
	OBS	00302	09.56	35.267	27.25		1494.1							
	OBS	00325	08.99	35.210	27.30		1492.3							
	OBS	00350	08.65	35.193	27.34		1491.4							
	OBS	00375	08.26	35.175	27.39		1490.5							
	OBS	00397	07.71	35.065	27.39		1486.4							
	STO	00400	07.67	35.07	27.40	00.431	1486.3							
	OBS	00401	07.64	35.070	27.40		1486.2							
	OBS	00426	07.26	35.070	27.46		1487.2							
	OBS	00451	06.79	35.070	27.53		1485.6							
	OBS	00475	06.59	35.065	27.55		1485.3							
	STO	00500	06.13	35.04	27.56	00.498	1485.8							
	OBS	00506	06.02	34.92 P	27.510*									
	OBS	00525	05.87	35.000	27.61		1483.2							
	OBS	00542	05.44	34.940	27.60		1481.7							
	OBS	00546	05.05	34.920	27.63		1480.1							
	OBS	00548	05.05	34.940	27.64		1480.2							
	OBS	00550	05.29	34.945	27.62		1481.2							
	OBS	00553	05.45 P	34.927	27.580*									
	OBS	00574	04.96	34.937	27.65		1480.2							
	OBS	00578	05.30 P	34.940	27.610*									
	OBS	00590	04.93	34.935	27.65		1480.4							
	STO	00600	05.12	34.94	27.63	00.553	1481.3							
	OBS	00603	05.17	34.937	27.63		1481.6							
	OBS	00620	05.24	35.030	27.69		1482.4							
	OBS	00626	05.16	35.030	27.70		1482.0							
	OBS	00639	04.78	34.86 P	27.610*									
	OBS	00641	04.56	34.935	27.65		1475.7							
	OBS	00651	04.53	34.930	27.65		1479.7							
	OBS	00664	04.52	34.930	27.70		1479.5							
	OBS	00677	04.69	35.035	27.72		1482.2							
	STO	00700	05.03	35.35	27.73	00.603	1482.7							
	OBS	00700	05.03	35.050	27.73		1482.6							
	OBS	00727	04.79	35.015	27.74		1482.2							
	OBS	00750	04.87	35.040	27.74		1482.5							
	OBS	00776	04.84	35.050	27.75		1483.2							
	STO	00800	04.83	35.04	27.75	00.649	1483.6							
	OBS	00801	04.63	35.040	27.75		1483.6							
	OBS	00826	04.60	35.055	27.76		1483.5							
	OBS	00850	04.75	35.050	27.77		1484.1							
	OBS	00875	04.88	35.050	27.77		1484.2							
	STO	00900	04.63	35.04	27.77	00.693	1484.4							
	OBS	00900	04.63	35.040	27.77		1484.4							
	OBS	00915	04.58	35.040	27.78		1484.6							
	OBS	00951	04.62	35.055	27.78		1485.3							
	OBS	00976	04.59	35.050	27.78		1485.6							
	STO	01000	04.54	35.05	27.79	00.737	1485.7							
	OBS	01000	04.53	35.045	27.79		1485.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 0500 YEAR 1973 8DIDP 05070 AIR TEMP 17.0 OIR HGT PER WIND-GIR 28 INST STD RECORDER TEN SW 1500  
 CONSEC 0074 MONTH 05 SMP EV MET SUL6 10.0 21 1 2 WIND-SPD 10 TRACE OIR 0 5 SQUARE 00  
 LAT 41 31 N DAY 13 DATA USE 1 SEA SEA DURATION WIND-FDR WIND-FDR WIND-FDR 2 SQUARE 00  
 LONG 053 27 W HOUR 00.4 AREA 03 CLOUD TRA CL/TR WEATHER X1 ORIG Q11 259 1 SQUARE 10

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	ORYG	PD4	TOT P	NO2	NO3	SI03	P4
00.4	STU	00000	15.45	35.87	26.56	00.000	1504.9							
	08S	00005	15.45	35.870	26.56		1510.0							
	STU	00010	15.29	35.81	26.55	00.015	1505.5							
	06S	00011	15.24	35.800	26.55		1505.3							
	STU	00020	15.03	35.60	26.65	00.029	1508.9							
	06S	00020	14.99	35.870	26.60		1506.8							
	STU	00030	14.44	35.70	26.71	00.043	1506.9							
	06S	00030	14.39	35.700	26.71		1506.9							
	08S	00034	14.25	35.700	26.70		1506.5							
	06S	00036	14.04	35.730	26.76		1505.8							
	STU	00050	13.77	35.72	26.81	00.069	1505.1							
	08S	00051	13.70	35.720	26.81		1505.1							
	STU	00075	13.77	35.75	26.84	00.101	1505.6							
	08S	00076	13.77	35.750	26.84		1505.6							
	06S	00097	13.50	35.730	26.86		1505.2							
	STU	00100	13.66	35.75	26.85	00.132	1505.6							
	08S	00100	13.69	35.755	26.85		1505.8							
	STU	00125	13.62	35.73	26.85	00.163	1505.9							
	08S	00125	13.64	35.730	26.85		1505.9							
	06S	00153	13.50	35.710	26.86		1505.6							
	08S	00142	13.30	35.615	26.87		1504.2							
	06S	00144	13.02	35.603	26.87		1504.1							
	08S	00148	12.76	35.543	26.88		1503.2							
	STU	00150	12.72	35.54	26.89	00.193	1503.1							
	06S	00150	12.71	35.544	26.89		1503.0							
	06S	00175	12.42	35.520	26.90		1502.4							
	STU	00200	12.47	35.54	26.94	00.253	1503.0							
	06S	00201	12.47	35.540	26.94		1503.1							
	08S	00226	12.17	35.550	27.00		1502.5							
	06S	00239	11.93	35.520	27.02		1501.6							
	STU	00250	11.78	35.46	27.01	00.311	1501.4							
	08S	00256	11.65	35.425	27.01		1501.0							
	08S	00276	11.27	35.405	27.06		1500.0							
	06S	00298	10.78	35.380	27.13		1498.6							
	STU	00300	10.73	35.38	27.13	00.364	1498.4							
	06S	00306	10.45	35.290	27.12		1497.4							
	06S	00323	09.99	35.270	27.19		1496.0							
	08S	00330	09.51	35.220	27.23		1494.6							
	08S	00375	09.15	35.200	27.27		1493.7							
	STU	00400	08.61	33.20	27.32	00.457	1492.8							
	08S	00401	08.75	35.200	27.33		1492.6							
	06S	00426	08.33	33.160	27.37		1491.5							
	06S	00437	08.19	35.170	27.40		1491.1							
	06S	00454	07.73	35.070	27.39		1489.5							
	08S	00475	07.40	35.080	27.43		1488.6							
	STU	00500	06.99	35.08	27.50	00.533	1487.3							
	08S	00500	06.98	35.080	27.51		1487.3							
	08S	00525	06.96	35.030	27.52		1486.0							
	06S	00538	06.37	35.020	27.54		1485.4							
	06S	00552	05.81	34.945	27.55		1483.3							
	08S	00573	05.51	34.930	27.56		1482.4							
	06S	00576	05.45	34.930	27.56		1482.3							
	08S	00588	05.49	34.940	27.56		1482.6							
	06S	00592	05.23	34.900	27.59		1481.6							
	STU	00600	05.34	34.94	27.61	00.595	1482.2							
	06S	00601	05.35	34.940	27.61		1482.3							
	06S	00626	05.24	34.920	27.60		1482.2							
	06S	00651	05.12	34.935	27.63		1482.2							
	08S	00675	05.10	34.935	27.63		1482.7							
	STU	00700	04.95	34.94	27.65	00.650	1482.3							
	08S	00702	04.94	34.937	27.65		1482.5							
	08S	00725	04.92	34.920	27.64		1482.5							
	06S	00750	04.60	34.933	27.67		1482.5							
	STU	00800	04.76	34.93	27.67	00.703	1483.1							
	08S	00828	04.74	34.940	27.68		1483.5							
	06S	00852	04.62	34.950	27.70		1483.5							
	06S	00877	04.58	34.950	27.71		1483.7							
	STU	00900	04.50	34.94	27.71	00.753	1483.7							
	08S	00903	04.50	34.940	27.71		1483.7							
	08S	00961	04.49	34.940	27.71		1484.7							
	08S	00976	04.48	34.930	27.71		1484.5							
	STU	01000	04.40	34.94	27.72	00.803	1485.0							
	08S	01001	04.40	34.940	27.72		1485.0							
	08S	01037	04.37	34.930	27.71		1485.0							
	06S	01048	04.36	34.942	27.72		1485.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 0555 YEAR 1973 BOTOP 01416 AIR TEMP 18.0 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1307  
 CONSEC 0275 MONTH 05 SHIP EV MET BULB 16.8 WIND-SPD 10 TRACE DIR 0 5 SQUARE 1  
 LAT 41 03 N DAY 13 DATA USE 1 BAROMETR 1024.4 SEA CL/TR WIND-FOR DURATION 2 SQUARE 00  
 LONG 050 19 W HOUR 05.7 AREA 05 CLOUD TR WEATHER X2 DRIG 011 200 1 SQUARE 00

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAYG	PS4	TOT P	NO2	NO3	SIO3	PH
05.7	STO	00000	13.26	35.74	26.52					00.000				1508.8
	OBS	00001	15.10	35.740	26.52									1508.8
	STO	00010	15.16	35.74	26.52					00.015				1509.0
	OBS	00011	15.10	35.740	26.52									1509.0
	STO	00020	14.64	35.75	26.60					00.030				1508.1
	OBS	00021	14.62	35.752	26.61									1508.1
	STO	00030	14.28	35.73	26.62					00.044				1507.8
	OBS	00031	14.00	35.730	26.63									1507.7
	OBS	00034	14.45	35.723	26.67									1507.1
	OBS	00038	14.36	35.722	26.69									1506.9
	OBS	00040	14.22	35.710	26.71									1506.4
	STO	00050	13.69	35.62	26.75					00.074				1504.8
	OBS	00051	13.65	35.617	26.75									1504.0
	STO	00075	14.00	35.74	26.77					00.105				1506.3
	OBS	00076	14.01	35.742	26.78									1506.4
	STO	00100	14.00	35.76	26.79					00.137				1506.8
	OBS	00100	14.00	35.760	26.79									1506.8
	STO	00125	14.09	35.76	26.77					00.170				1507.4
	OBS	00125	14.09	35.85 P	26.840									
	STO	00150	13.58	35.75	26.79					00.203				1507.5
	OBS	00150	13.50	35.750	26.79									1507.5
	OBS	00175	13.61	35.755	26.83									1507.4
	OBS	00192	13.39	35.610	26.80									1506.1
	STO	00200	13.24	35.61	26.84					00.268				1505.7
	OBS	00201	13.21	35.614	26.84									1505.6
	OBS	00226	13.00	35.630	26.89									1505.5
	STO	00250	12.89	35.61	26.91					00.330				1505.4
	OBS	00251	12.86	35.610	26.91									1505.3
	OBS	00276	12.68	35.617	26.95									1505.1
	STO	00300	12.31	35.59	26.97					00.390				1504.2
	OBS	00302	12.27	35.545	26.98									1504.0
	OBS	00325	11.87	35.550	27.06									1503.1
	OBS	00329	11.70	35.510	27.05									1502.7
	OBS	00338	11.45	35.417	27.04									1501.6
	OBS	00350	11.10	35.410	27.09									1500.6
	OBS	00375	10.54	35.375	27.17									1499.0
	STO	00400	09.95	35.28	27.20					00.457				1497.1
	OBS	00401	09.92	35.275	27.20									1497.0
	OBS	00426	09.41	35.270	27.25									1496.3
	OBS	00432	09.51	35.260	27.27									1496.0
	OBS	00453	09.09	35.205	27.28									1494.7
	OBS	00475	08.74	35.200	27.34									1493.8
	STO	00500	08.29	35.17	27.38					00.586				1492.5
	OBS	00500	08.26	35.167	27.38									1492.4
	OBS	00525	07.90	35.133	27.41									1491.5
	OBS	00550	07.40	35.080	27.43									1490.1
	OBS	00576	06.98	35.070	27.50									1488.6
	STO	00600	06.67	35.07	27.54					00.658				1487.7
	OBS	00601	06.65	35.065	27.54									1487.7
	OBS	00626	06.23	35.050	27.58									1486.4
	OBS	00651	05.94	35.035	27.61									1485.0
	OBS	00670	05.48	34.91 P	27.570									
	OBS	00675	05.36	34.933	27.60									1485.5
	STO	00700	05.21	34.93	27.60					00.720				1485.7
	OBS	00700	05.21	34.93	27.60									1485.7
	OBS	00704	05.21	34.925	27.60									1485.7
	OBS	00725	05.06	34.920	27.63									1483.1
	OBS	00750	05.17	35.033	27.70									1484.1
	OBS	00776	05.11	35.030	27.71									1484.3
	STO	00800	05.00	35.02	27.71					00.774				1484.2
	OBS	00601	04.99	35.020	27.71									1484.2
	OBS	00826	04.61	35.020	27.73									1483.9
	OBS	00850	04.63	35.010	27.73									1484.4
	OBS	00875	04.63	35.040	27.73									1484.8
	STO	00900	04.70	35.04	27.76					00.821				1485.0
	OBS	00900	04.70	35.040	27.76									1485.0
	OBS	00925	04.67	35.030	27.76									1485.0
	OBS	00951	04.60	35.033	27.76									1485.4
	OBS	00976	04.67	35.044	27.77									1485.9
	STO	01000	04.61	35.04	27.77					00.800				1486.0
	OBS	01000	04.60	35.040	27.77									1486.0
	OBS	01014	04.56	35.040	27.76									1486.1

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 0355	YEAR 1973	DOTOP 0600L	AIR TEMP 12.5	DIR HGT PER	#WIND-DIR 17	INST STD RECORDER	TEN SQ LOG
CONSEC 007c	MONTH 05	SHIP EV	WET GULB 12.5	20 2 2	#WIND-SPD 13	TRACE DIR 0	5 SQUARE 2
LAT 41 41.5'	DAY 13	DATA USE 1	BARUMETR 1024.6	SEA	#WIND-FOR	DURATION	2 SQUARE 0c
LONG 74 40.2W	MOJ 20.5	AREA 05	CLOUD T/A	CL/TR	WEATHER 14	ORIG 01 2 61	1 SQUARE 17

CASSTN/M/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHM	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
03.5	STD	00000	07.32	33.51	26.06	00.000	1478.1							
085	00001	07.32	33.507	26.06			1478.1							
085	00005	07.26	33.520	26.08			1478.0							
STD	00010	06.20	33.30	26.1c	00.015		1475.4							
085	00011	06.47	33.300	26.17			1474.9							
085	00013	06.36	33.300	26.15			1474.5							
085	00017	05.10	33.197	26.26			1469.3							
085	00019	04.84	33.430	26.47			1466.6							
STD	00020	04.70	33.44	26.45	00.05c		1468.0							
085	00020	04.56	33.443	26.51			1467.5							
STD	00030	04.15	33.51	26.61	00.051		1466.0							
085	00030	04.13	33.520	26.62			1465.9							
085	00036	03.51	33.610	26.71			1465.2							
085	00040	03.76	33.622	26.74			1464.7							
085	00041	03.76	33.640	26.75			1464.8							
085	00043	03.58	33.770	26.83			1465.8							
085	00047	04.78	33.540	26.86			1469.5							
STD	00050	06.11	34.13	26.88	00.077		1475.2							
085	00051	06.66	34.130	26.88			1477.5							
085	00055	07.25	34.330	26.87			1460.2							
085	00057	07.25	34.315	26.8c			1460.2							
085	00064	05.63	34.050	26.87			1473.4							
085	00066	05.02	33.550	26.89			1470.8							
085	00068	05.04	34.130	27.00			1471.1							
085	00072	05.56	34.130	27.01			1473.5							
085	00074	06.20	34.330	27.02			1476.2							
STD	00075	06.20	34.33	27.02	00.105		1476.2							
085	00076	06.20	34.330	27.02			1476.2							
085	00079	06.36	34.342	27.01			1477.0							
085	00083	06.11	34.343	27.04			1476.0							
085	00089	06.73	34.533	27.11			1478.8							
085	00095	06.86	34.558	27.11			1479.6							
085	00097	06.92	34.545	27.09			1479.7							
085	00099	06.63	34.540	27.10			1475.4							
STD	00100	06.72	34.51	27.10	00.131		1476.5							
085	00102	06.45	34.450	27.06			1477.8							
STD	00125	06.60	34.54	27.14	00.155		1476.9							
085	00125	06.60	34.54c	27.14			1478.5							
085	00143	06.70	34.567	27.14			1475.7							
STD	00150	06.64	34.61	27.15	00.179		1463.4							
085	00152	07.01	34.660	27.17			1481.1							
085	00159	07.29	34.700	27.16			1482.4							
085	00163	06.46	34.542	27.15			1479.0							
085	00173	07.08	34.670	27.17			1481.8							
085	00175	06.97	34.680	27.15			1481.4							
085	00196	06.96	34.762	27.27			1481.5							
STD	00200	06.96	34.78	27.27	00.224		1482.0							
085	00203	07.14	34.815	27.27			1482.7							
085	00207	07.46	34.860	27.28			1484.1							
085	00220	07.46	34.890	27.29			1484.3							
085	00226	06.54	34.866	27.30			1482.3							
085	00231	06.41	34.897	27.28			1480.1							
STD	00250	06.21	34.77	27.37	00.264		1475.7							
085	00251	06.20	34.780	27.37			1475.7							
085	00258	06.36	34.620	27.38			1480.5							
085	00264	06.73	34.853	27.39			1482.2							
085	00276	06.60	34.855	27.38			1482.7							
085	00296	06.52	34.910	27.43			1481.9							
STD	00300	06.68	34.94	27.43	00.300		1481.7							
085	00304	07.23	35.030	27.43			1485.0							
085	00327	06.35	34.945	27.45			1482.7							
085	00331	06.57	34.985	27.45			1482.8							
085	00336	06.33	35.000	27.53			1481.5							
085	00350	06.32	34.990	27.52			1482.1							
085	00375	06.35	35.03 P	27.55W										
085	00386	06.33	35.000	27.53			1482.8							
085	00390	06.02	35.000	27.57			1481.6							
STD	00400	05.64	35.00	27.55	00.363		1481.2							
085	00401	05.87	35.003	27.59			1481.2							
085	00426	05.63	34.995	27.61			1480.7							
085	00443	05.44	34.950	27.64			1480.0							
085	00449	04.96	34.895	27.62			1478.1							
085	00451	04.92	34.675	27.61			1477.5							
085	00475	04.88	34.500	27.63			1478.2							



TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
ST0	00500	05.00	34.90	27.62		00.415	1475.1							
085	00500	05.00	34.900	27.62			1475.1							
085	00525	04.77	34.910	27.65			1476.6							
085	00550	04.76	34.860	27.63			1478.9							
085	00576	04.67	34.880	27.64			1479.0							
ST0	00600	04.50	34.90	27.67		00.470	1478.7							
085	00601	04.50	34.900	27.67			1478.7							
085	00626	04.61	34.855	27.66			1479.6							
085	00651	04.40	34.910	27.69			1475.1							
085	00675	04.41	34.860	27.67			1475.6							
ST0	00700	04.52	34.91	27.68		00.520	1480.4							
085	00700	04.52	34.910	27.68			1480.5							
085	00725	04.72	35.015	27.74			1481.8							
085	00750	04.77	35.025	27.74			1482.5							
085	00776	04.65	35.015	27.75			1482.4							
ST0	00800	04.65	35.02	27.75		00.567	1482.8							
085	00801	04.65	35.020	27.75			1482.8							
085	00826	04.60	35.010	27.75			1483.0							
085	00850	04.54	35.010	27.76			1483.2							
085	00875	04.47	34.995	27.75			1483.3							
ST0	00900	04.36	34.99	27.76		00.612	1483.4							
085	00900	04.34	34.990	27.76			1483.4							
085	00925	04.51	35.017	27.77			1484.3							
085	00952	04.45	35.010	27.76			1484.7							
085	00976	04.42	35.010	27.77			1484.6							
ST0	01000	04.45	35.02	27.77		00.656	1485.3							
085	01001	04.45	35.020	27.77			1485.3							
085	01020	04.45	35.020	27.77			1485.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOODC STATION DATA

REFID 01 8035 YEAR 1973 BOTTOP 00572 AIR TEMP 11.0 DIR HGT PER WIND-GIR 15 INST STD RECORDER TEN SQ 1506  
 COYSEC 0077 MONTH 05 SHIP EV WET BULB 10.6 17 0 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 41 56.5N DIR 14 DATA USE 1 BAROMETR 1024.1 SEA WIND-FDZ DURATION 2 SQUARE 08  
 LONG 046 05 W HOUR 00.1 AREA 05 CLOUD T/A CLYTR WEA7MER A4 ORIG 01 062 1 SQUARE 18

CASHTIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PO4	TOT P-	NO2	NO3	SID3	PH
00.1	STD	00000	26.55	33.51	26.18	00.000	1475.1							
	OBS	00001	26.55	33.520	26.18		1475.1							
	OBS	00003	26.55	33.510	26.17		1475.1							
	ST	00010	26.67	33.42	26.24	00.018	1475.6							
	OBS	00013	26.70	33.500	26.34		1476.4							
	OBS	00015	26.66	33.470	26.44		1476.2							
	ST	00020	26.81	33.76	26.49	00.035	1477.1							
	CE	00020	26.51	33.820	26.52		1477.5							
	OBS	00022	27.29	34.000	26.63		1478.9							
	OBS	00026	28.01	34.440	26.70		1482.4							
	OBS	00028	28.51	34.460	26.73		1486.1							
	STO	00030	29.09	34.52	26.75	00.045	1486.9							
	OBS	00030	29.11	34.550	26.75		1487.4							
	OBS	00032	29.93	34.680	26.73		1490.3							
	OBS	00036	29.00	34.500	26.74		1486.9							
	OBS	00045	28.01	34.040	26.81		1486.2							
	OBS	00047	29.16	34.660	26.85		1487.6							
	OBS	00049	29.21	34.660	26.84		1487.9							
	STO	00050	29.41	34.71	26.85	00.075	1488.7							
	OBS	00051	29.85	34.830	26.86		1490.5							
	OBS	00055	10.07	34.950	26.92		1491.5							
	OBS	00057	10.48	35.030	26.91		1493.1							
	OBS	00060	10.62	35.020	26.88		1493.6							
	OBS	00064	09.92	34.860	26.89		1491.0							
	OBS	00068	29.65	34.815	26.89		1490.0							
	OBS	00070	29.24	34.788	26.92		1488.5							
	STO	00075	29.02	34.76	26.91	00.104	1487.7							
	OBS	00076	28.95	34.767	26.91		1487.6							
	OBS	00078	28.97	34.780	26.91		1487.6							
	OBS	00087	28.48	34.557	26.99		1477.6							
	OBS	00091	25.68	34.253	27.00		1475.1							
	OBS	00093	25.49	34.200	27.01		1473.5							
	OBS	00097	25.25	34.120	27.05		1472.5							
	OBS	00099	25.50	34.340	27.11		1475.8							
	STO	00100	25.67	34.41	27.12	00.130	1475.4							
	OBS	00100	26.19	34.460	27.12		1476.4							
	STO	00125	26.53	34.48	27.09	00.154	1478.6							
	OBS	00123	26.33	34.483	27.09		1478.7							
	OBS	00135	26.52	34.477	27.09		1476.7							
	OBS	00140	26.21	34.368	27.06		1477.4							
	OBS	00142	25.69	34.350	27.10		1475.3							
	STO	00150	25.60	34.34	27.09	00.174	1475.3							
	OBS	00150	25.65	34.337	27.09		1475.3							
	OBS	00165	25.48	34.351	27.11		1474.8							
	OBS	00171	24.95	34.290	27.14		1472.7							
	OBS	00173	25.34	34.300	27.13		1474.4							
	OBS	00177	25.37	34.320	27.12		1474.5							
	OBS	00184	25.00	34.313	27.15		1473.1							
	OBS	00192	24.09	34.279	27.16		1474.9							
	STO	00200	24.53	34.25	27.14	00.228	1473.0							
	OBS	00201	24.94	34.303	27.15		1472.3							
	OBS	00209	24.68	34.225	27.16		1472.0							
	OBS	00209	25.47	34.460	27.23		1475.7							
	OBS	00217	26.55	34.605	27.22		1479.5							
	OBS	00218	26.73	34.680	27.22		1481.2							
	OBS	00226	26.44	34.690	27.20		1482.1							
	OBS	00243	26.52	34.630	27.21		1480.7							
	STO	00250	25.94	34.51	27.20	00.275	1478.3							
	OBS	00251	25.61	34.440	27.20		1477.6							
	OBS	00258	24.98	34.340	27.18		1474.3							
	OBS	00264	24.97	34.330	27.19		1474.4							
	OBS	00266	25.10	34.335	27.32		1475.2							
	OBS	00274	27.26	34.845	27.32		1484.5							
	OBS	00276	27.29	34.885	27.31		1484.6							
	OBS	00279	27.31	34.880	27.30		1484.7							
	OBS	00283	26.00	35.025	27.31		1487.6							
	OBS	00287	26.37	35.035	27.31		1488.0							
	OBS	00293	26.99	34.822	27.30		1483.6							
	STO	00300	26.43	34.74	27.35	00.317	1481.4							
	OBS	00300	26.58	34.785	27.35		1481.3							
	OBS	00312	26.17	34.780	27.38		1480.6							
	OBS	00316	26.66	34.780	27.37		1481.0							
	OBS	00325	26.17	34.830	27.42		1480.9							
	OBS	00346	26.16	34.830	27.42		1481.2							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O C L S T A T I O N O A T A														
CASSTNM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	S103	PH
065	00352	05.50	34.785	27.42			1480.2							
065	00359	05.45	34.855	27.40			1478.4							
065	00371	04.50	34.850	27.42			1476.6							
065	00375	04.22	34.560	27.40			1474.6							
085	00378	04.40	34.545	27.40			1474.2							
085	00384	04.80	34.880	27.46			1476.3							
065	00366	05.00	34.700	27.46			1477.1							
085	00350	04.72	34.800	27.46			1475.9							
ST0	00400	04.40	34.87	27.50		00.388	1474.7							
085	00401	04.36	34.670	27.51			1474.5							
065	00415	04.20	34.870	27.52			1474.4							
085	00428	04.60	34.895	27.50			1476.0							
085	00439	04.70	34.860	27.54			1476.8							
085	00443	05.15	34.883	27.54			1478.8							
085	00444	05.22	34.890	27.56			1475.2							
085	00480	06.32	35.135	27.65			1484.1							
085	00475	06.57	35.170	27.65			1485.4							
ST0	00500	06.34	35.12	27.65		00.447	1484.8							
085	00500	06.32	35.120	27.62			1484.8							
085	00500	05.54	35.040	27.61			1483.3							
085	00521	05.05	35.020	27.65			1482.3							
085	00524	04.85	34.890	27.65			1479.0							
085	00544	04.00	34.880	27.62			1478.4							
085	00553	04.00	34.880	27.62			1475.4							
085	00576	03.10	34.590	27.60			1481.0							
ST0	00600	03.00	35.00	27.65		00.455	1481.2							
085	00600	05.00	35.000	27.65			1481.0							
085	00620	03.15	35.030	27.70			1482.0							
085	00651	05.30	35.040	27.68			1483.4							
085	00670	05.31	35.040	27.67			1483.4							
ST0	00700	05.31	35.02	27.68		00.545	1483.5							
085	00700	05.31	35.020	27.68			1483.9							
085	00725	05.17	35.040	27.71			1483.7							
085	00750	04.57	35.015	27.71			1483.3							
085	00776	04.53	35.020	27.72			1483.6							
ST0	00800	04.03	35.03	27.74		00.557	1483.5							
085	00801	04.80	35.030	27.74			1483.5							
085	00820	04.70	35.040	27.76			1483.6							
085	00850	04.00	35.030	27.76			1482.6							
085	00875	04.04	35.030	27.76			1484.0							
ST0	00900	04.01	35.03	27.77		00.640	1484.3							
085	00900	04.01	35.030	27.77			1484.3							
085	00925	04.38	35.025	27.76			1484.6							
085	00951	04.32	35.020	27.77			1484.8							
085	00976	04.47	35.010	27.76			1485.0							
ST0	01000	04.40	35.01	27.77		00.687	1485.2							
085	01001	04.40	35.010	27.77			1485.2							
085	01018	04.39	35.010	27.77			1485.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8333 YEAR 1973 0JTOP 03301 AIR TEMP 11.0 GJR MGT PER WIND-JIR 20 INST STD RECORDEA TEN 50 1506  
CONSEC 0378 MLYTH 05 SHIP EV WET BULB 10.3 18 1 2 WIND-SPO 16 TRACE DIR 5 SQUARE 2  
LAT 42 25 N DAY 14 DATA USE 1 BAROMETR 1022.3 SEA OUKATION 2 SQUARE 2  
LONG 145 28 W HOUR 04.4 AREC 05 CLOUD T/A CL/TR WEATHER X- ORIG OIL 263 1 SQUARE 28

CASSTNM/TIME	LV. TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNJ VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.0	STU	00000	06.32	34.13	26.56	00.000	1483.0							
	065	00005	06.32	34.13	26.56		1483.1							
	065	00010	06.31	34.120	26.56		1483.1							
	065	00015	06.30	34.115	26.70		1485.6							
	STU	00020	08.57	34.74	26.71	00.014	1486.0							
	065	00025	08.57	34.74	26.72		1487.0							
	065	00030	11.49	35.020	26.72		1494.0							
	STU	00035	11.50	35.14	26.73	00.028	1497.6							
	065	00040	11.55	35.150	26.73		1498.0							
	065	00045	11.57	35.140	26.72		1497.5							
	STU	00050	10.14	34.71	26.72	00.041	1491.0							
	065	00055	10.00	34.690	26.72		1490.7							
	065	00060	10.00	34.675	26.72		1490.5							
	065	00065	09.00	34.460	26.72		1486.6							
	065	00070	08.54	34.457	26.75		1486.5							
	065	00075	09.16	34.672	26.86		1487.6							
	065	00080	10.77	35.050	26.87		1494.0							
	065	00085	11.00	35.150	26.88		1495.2							
	STU	00090	11.06	35.13	26.88	00.066	1495.2							
	065	00095	11.07	35.130	26.88		1495.2							
	065	00100	11.15	35.160	26.85		1495.7							
	065	00105	11.45	35.250	26.85		1496.9							
	065	00110	11.47	35.227	26.88		1497.0							
	065	00115	11.06	35.054	26.85		1493.5							
	065	00120	10.61	35.000	26.86		1493.8							
	STU	00125	13.57	35.02	26.85	00.096	1493.7							
	065	00130	13.51	35.050	26.91		1493.5							
	065	00135	10.00	34.912	26.85		1491.6							
	065	00140	10.00	34.860	26.87		1491.7							
	065	00145	11.77	35.188	26.98		1495.0							
	STU	00150	10.74	35.16	26.97	00.125	1494.5							
	065	00155	10.74	35.155	26.96		1494.5							
	065	00160	08.89	34.810	27.01		1487.8							
	065	00165	08.00	34.825	27.05		1487.2							
	065	00170	08.05	34.690	27.04		1484.6							
	STU	00175	08.04	34.67	27.03	00.152	1484.7							
	065	00180	08.03	34.670	27.03		1484.7							
	065	00185	07.94	34.655	27.03		1484.4							
	065	00190	07.46	34.550	27.02		1482.5							
	065	00195	07.23	34.550	27.05		1481.7							
	065	00200	06.54	34.473	27.09		1479.0							
	STU	00205	06.52	34.46	27.05	00.176	1478.9							
	065	00210	06.52	34.480	27.10		1478.9							
	065	00215	06.53	34.488	27.10		1479.2							
	065	00220	06.45	34.467	27.12		1478.2							
	065	00225	06.57	34.530	27.11		1483.3							
	STU	00230	06.37	34.45	27.12	00.227	1479.2							
	065	00235	06.30	34.477	27.12		1476.4							
	065	00240	06.13	34.450	27.12		1478.6							
	065	00245	05.54	34.340	27.11		1476.4							
	STU	00250	05.54	34.34	27.11	00.277	1476.4							
	065	00255	05.52	34.335	27.11		1476.4							
	065	00260	05.32	34.300	27.10		1475.6							
	065	00265	05.19	34.327	27.14		1475.2							
	065	00270	06.81	34.630	27.17		1482.3							
	065	00275	06.25	34.540	27.17		1480.2							
	065	00280	06.25	34.550	27.18		1480.2							
	065	00285	05.74	34.460	27.17		1478.2							
	065	00290	05.77	34.460	27.18		1476.2							
	065	00295	06.31	34.560	27.19		1480.5							
	065	00300	07.78	34.885	27.24		1486.8							
	STU	00305	07.60	34.88	27.23	00.324	1486.4							
	065	00310	07.61	34.860	27.23		1487.0							
	065	00315	07.65	34.900	27.24		1487.2							
	065	00320	06.44	35.000	27.23		1489.6							
	065	00325	06.06	35.010	27.29		1486.5							
	065	00330	07.68	34.950	27.29		1488.3							
	065	00335	07.55	34.910	27.29		1486.6							
	065	00340	07.91	34.540	27.50		1486.5							
	065	00345	07.25	34.600	27.27		1485.1							
	065	00350	07.13	34.670	27.32		1485.1							
	065	00355	07.65	35.030	27.34		1486.2							
	065	00360	07.58	34.950	27.350									

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SD VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
065	00367		07.22	34.690	27.32	*	1485.8							
065	00373		06.84	34.815	27.52		1484.5							
085	00375		06.79	34.830	27.33		1484.2							
ST0	00400		06.31	34.65	27.40	00.407	1482.7							
085	00401		06.50	34.653	27.40		1482.7							
085	00410		06.40	34.845	27.43		1483.7							
085	00424		05.86	34.820	27.43		1481.5							
085	00426		05.88	34.865	27.46		1481.4							
085	00428		05.99	34.690	27.45		1481.9							
085	00437		05.84	34.675	27.50		1481.5							
085	00441		06.24	34.440	27.53		1483.3							
085	00447		06.39	34.555	27.52		1484.0							
085	00454		06.41	35.020	27.52		1480.3							
085	00475		07.03	35.160	27.56		1487.2							
085	00453		06.65	35.130	27.56		1486.7							
ST0	00500		05.78	34.95	27.56	00.474	1482.4							
085	00504		05.49	34.890	27.55		1481.2							
085	00506		05.47	34.860	27.55		1481.1							
085	00510		04.96	34.620	27.56		1475.0							
085	00525		03.23	34.900	27.60		1480.1							
085	00530		05.70	35.015	27.62		1482.9							
085	00576		05.66	35.037	27.62		1484.1							
ST0	00600		05.76	35.02	27.62	00.535	1484.1							
085	00601		05.77	35.020	27.62		1484.1							
085	00608		05.55	35.030	27.65		1485.7							
085	00651		05.52	35.040	27.67		1485.9							
085	00675		05.45	35.020	27.66		1484.0							
ST0	00700		05.36	35.04	27.66	00.567	1484.1							
085	00700		05.36	35.040	27.69		1484.1							
085	00725		05.27	35.030	27.69		1484.1							
085	00750		05.12	35.010	27.70		1485.9							
085	00776		05.02	35.020	27.71		1485.9							
ST0	00800		05.02	35.05	27.72	00.634	1484.5							
085	00801		05.02	35.050	27.72		1484.4							
085	00826		04.79	35.015	27.73		1485.8							
085	00850		04.66	35.010	27.75		1483.5							
085	00875		04.57	35.010	27.75		1485.7							
ST0	00900		04.59	35.01	27.75	00.683	1484.2							
085	00900		04.59	35.010	27.75		1484.2							
085	00925		04.61	35.030	27.77		1484.7							
085	00951		04.39	35.020	27.76		1485.1							
085	00976		04.56	35.020	27.76		1485.4							
ST0	01000		04.55	35.02	27.76	00.728	1485.7							
085	01001		04.55	35.020	27.76		1485.7							
085	01010		04.53	35.020	27.77		1485.8							
085	01018		04.54	35.020	27.76		1486.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
REFID 31	8555	YEAR 1973	BOTOP 05060	AIR TEMP 11.0	OIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN 50 130c						
CONSEC 0075	MONTH 05	SHIP EV	MET BULB 13.3	18 0 2	WIND-SPO 15	TRACE OIR	0	5 SQUARE 2						
LAT 42 36 N	DAY 14	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FDR	OURATION		2 SQUARE 28						
LONG 048 37 W	HOUR 07.0	AREA 05	CLDUG T/A	CL/TR	WEATHER X4	ORIG 011 264		1 SQUARE 28						
CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SI03	PH
07.0	STU	00000	05.76	34.01	26.40	00.000	1484.6							
	085	00001	08.76	34.010	26.40		1484.6							
	085	00005	08.77	34.566	26.38		1484.6							
	085	00005	06.75	34.105	26.47		1484.9							
	STU	00010	11.44	35.00	26.01	00.015	1497.6							
	085	00017	14.55	35.714	26.04		1507.1							
	STU	00020	14.50	35.70	26.04	00.030	1507.0							
	085	00020	14.44	35.700	26.04		1507.0							
	085	00024	13.33	35.380	26.04		1502.9							
	085	00026	12.58	35.200	26.05		1503.1							
	STU	00050	12.51	35.12	26.08	00.044	1500.0							
	085	00050	12.49	35.220	26.05		1495.8							
	085	00056	10.56	34.853	26.08		1494.2							
	085	00056	10.77	34.820	26.09		1493.6							
	085	00041	11.05	34.532	26.73		1494.9							
	085	00047	10.27	34.645	26.60		1494.9							
	STU	00050	10.73	34.56	26.83	00.070	1493.8							
	085	00051	11.05	35.070	26.84		1495.0							
	085	00055	11.56	35.347	26.88		1496.7							
	085	00060	11.54	35.330	26.86		1496.7							
	085	00064	11.44	35.240	26.86		1497.7							
	STU	00075	11.75	35.32	26.50	00.100	1498.4							
	085	00076	11.52	35.357	26.50		1498.5							
	085	00075	12.54	35.507	26.85		1501.0							
	085	00081	12.50	35.510	26.89		1501.4							
	085	00085	12.80	35.582	26.85		1502.6							
	STU	00100	12.71	35.55	26.92	00.125	1502.3							
	085	00100	12.70	35.550	26.53		1502.0							
	085	00106	12.60	35.570	26.53		1502.0							
	085	00106	12.24	35.460	26.53		1500.7							
	085	00114	12.19	35.450	26.55		1500.6							
	085	00118	10.16	35.030	26.96		1493.0							
	085	00119	08.62	34.650	26.56		1486.8							
	085	00121	07.65	34.575	26.58		1483.6							
	085	00123	07.83	34.560	26.57		1483.7							
	STU	00125	06.86	34.42	27.00	00.158	1479.6							
	085	00125	06.54	34.367	27.00		1478.5							
	085	00127	06.02	34.253	27.01		1476.3							
	085	00125	06.00	34.340	27.05		1476.3							
	085	00131	06.16	34.417	27.09		1477.1							
	085	00133	07.13	34.577	27.09		1481.2							
	085	00137	07.78	34.716	27.10		1484.0							
	085	00135	07.65	34.722	27.10		1484.2							
	085	00142	08.64	34.885	27.11		1487.5							
	085	00144	06.55	34.676	27.11		1487.4							
	085	00146	07.54	34.752	27.14		1484.8							
	STU	00150	07.50	34.75	27.14	00.185	1484.7							
	085	00150	07.50	34.766	27.14		1484.7							
	085	00175	07.26	34.670	27.14		1482.5							
	STU	00200	07.24	34.67	27.14	00.231	1482.6							
	085	00201	07.25	34.665	27.14		1482.6							
	085	00207	07.21	34.665	27.15		1482.8							
	085	00216	06.60	34.530	27.12		1480.4							
	085	00220	06.38	34.470	27.11		1475.5							
	085	00222	06.36	34.460	27.10		1479.5							
	085	00228	05.71	34.355	27.13		1476.5							
	085	00230	05.66	34.403	27.14		1476.8							
	085	00236	07.51	34.760	27.15		1484.6							
	085	00235	07.54	34.780	27.19		1484.8							
	085	00243	06.14	34.500	27.19		1487.3							
	085	00245	06.15	34.500	27.20		1487.3							
	STU	00250	07.21	34.72	27.18	00.275	1484.0							
	085	00255	06.65	34.555	27.17		1481.3							
	085	00258	06.36	34.560	27.18		1480.2							
	085	00274	06.57	34.613	27.19		1481.3							
	085	00276	06.56	34.550	27.17		1480.5							
	085	00295	06.23	34.640	27.26		1480.5							
	STU	00300	05.23	34.46	27.24	00.324	1476.2							
	085	00300	05.13	34.450	27.25		1475.6							
	085	00304	04.54	34.475	27.29		1475.1							
	085	00310	04.52	34.460	27.29		1475.1							
	085	00317	05.38	34.537	27.29		1477.2							
	085	00325	05.75	34.670	27.34		1475.0							
	085	00327	05.61	34.735	27.35		1479.3							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N G O C S T A T I O N D A T A														
CASSTAM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DTN DPTH	SNO VEL	ORNG	P34	TOT P	NO2	NO3	SIO3	PH
085	00329	02.13	34.750	27.39			1480.7							
085	00342	05.51	34.875	27.38			1478.3							
085	00350	02.31	34.870	27.40			1477.6							
085	00356	05.32	34.875	27.40			1477.7							
085	00361	06.16	34.810	27.40			1481.5							
085	00375	06.17	34.850	27.42			1461.7							
085	00380	07.23	35.000	27.43			1486.2							
STO	00300	07.21	35.000	27.43		00.404	1486.5							
085	00391	07.21	35.000	27.43			1486.5							
085	00405	07.05	35.010	27.44			1485.9							
085	00411	06.26	34.920	27.43			1484.0							
085	00426	06.06	34.910	27.44			1482.2							
085	00451	05.78	34.887	27.51			1481.5							
085	00475	05.51	34.960	27.56			1480.0							
085	00491	05.71	34.905	27.54			1481.5							
STO	00500	05.66	34.89	27.53		00.472	1481.8							
085	00500	05.66	34.888	27.53			1481.8							
085	00521	05.56	34.930	27.57			1482.0							
085	00533	05.24	34.910	27.56			1481.9							
085	00550	05.23	34.880	27.57			1480.9							
085	00576	05.02	34.875	27.60			1480.4							
STO	00600	04.88	34.91	27.64		00.530	1480.3							
085	00601	04.87	34.908	27.64			1480.3							
085	00628	04.76	34.877	27.63			1480.2							
085	00651	04.40	35.000	27.71			1481.3							
085	00675	04.97	35.007	27.71			1482.0							
STO	00700	04.68	35.00	27.71		00.581	1482.1							
085	00700	04.68	35.003	27.71			1482.1							
085	00725	05.18	35.020	27.65			1483.7							
085	00750	05.18	35.030	27.73			1484.1							
085	00776	05.10	35.023	27.70			1484.3							
STO	00800	05.12	35.03	27.71		00.625	1484.7							
085	00800	05.12	35.030	27.71			1484.8							
085	00826	05.06	35.030	27.71			1484.5							
085	00850	05.04	35.040	27.72			1485.3							
085	00875	04.99	35.040	27.73			1485.5							
STO	00900	04.74	35.03	27.75		00.677	1484.6							
085	00900	04.74	35.025	27.75			1484.5							
085	00925	04.57	35.010	27.75			1484.5							
085	00951	04.54	35.010	27.76			1484.9							
085	00953	04.53	35.013	27.76			1484.9							
085	00976	04.61	35.030	27.77			1485.6							
STO	01000	04.64	35.04	27.77		00.725	1486.1							
085	01001	04.64	35.040	27.77			1486.1							
085	01018	04.64	35.040	27.77			1486.3							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 01 0555 YEAR 1973 bOTOP 02000 ATR TEMP 12.2 DIR MGT PER WIND-DIR 26 INST STO RECORDER TEN SQ 130e  
 CONSEC 0000 MONTH 05 SHIP EV WET BULB 10.4 24 2 3 WIND-SPO 17 TRACE DIR D 5 SQUARE 2  
 LAT 42 47.5N DAT 14 DATA USE 1 BAKOMETER 1021.9 SEA WIND-FDR 2 SQUARE 28  
 LONG 140 44.5W HOUR 05.1 AREA 05 LUGUO T/A CL/TR WEATHER AN ORIG 011 265 1 SQUARE 28

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNUPTH	SND VEL	ORVG	P04	TOT P.	NO2	NO3	SI03	PH
39.1	STO	00000	00.62	34.08	26.45	00.000	1484.8							
	085	00001	00.62	34.078	26.45		1484.9							
	085	00007	00.68	34.110	26.46		1485.2							
	085	00009	05.24	34.185	26.46		1486.7							
	STO	00010	05.25	34.21	26.46	00.010	1486.9							
	085	00011	09.33	34.250	26.49		1487.2							
	085	00013	09.23	34.207	26.48		1486.8							
	085	00015	00.92	34.130	26.47		1485.5							
	STW	00020	05.25	33.68	26.62	00.034	1470.6							
	085	00020	04.95	33.64	26.63		1469.3							
	085	00022	04.72	33.642	26.65		1468.4							
	085	00026	05.46	33.870	26.75		1471.8							
	085	00028	05.56	33.660	26.75		1472.3							
	STO	00030	05.58	33.82	26.78	00.045	1471.4							
	085	00040	04.53	33.760	26.78		1468.1							
	085	00041	04.50	33.620	26.82		1468.1							
	085	00045	06.36	34.258	26.97		1476.3							
	085	00047	06.58	34.340	26.96		1477.3							
	STO	00050	07.69	34.55	26.99	00.064	1482.0							
	085	00051	08.22	34.653	26.99		1484.2							
	085	00053	08.81	34.770	26.99		1486.6							
	085	00055	05.05	34.755	26.97		1487.5							
	085	00060	05.43	34.660	26.97		1489.2							
	STW	00071	06.57	34.54	27.00	00.096	1490.0							
	085	00076	06.22	34.560	27.00		1490.2							
	085	00079	09.67	35.033	27.02		1491.3							
	STO	00100	10.03	35.12	27.06	00.122	1492.3							
	085	00100	10.03	35.140	27.06		1492.3							
	085	00106	10.03	35.120	27.06		1492.4							
	085	00110	08.35	34.760	27.07		1485.8							
	085	00114	07.19	34.617	27.11		1481.2							
	085	00121	06.86	34.540	27.10		1479.5							
	STO	00125	06.84	34.55	27.10	00.148	1479.9							
	085	00125	06.84	34.547	27.11		1479.9							
	085	00142	06.73	34.334	27.11		1479.7							
	STO	00150	06.47	34.86	27.13	00.172	1487.3							
	085	00150	08.53	34.895	27.13		1487.3							
	085	00161	06.56	34.653	27.12		1487.6							
	085	00167	07.57	34.673	27.13		1482.8							
	085	00173	07.23	34.665	27.16		1482.4							
	085	00177	07.20	34.685	27.16		1482.3							
	085	00180	06.77	34.627	27.16		1480.6							
	085	00184	06.66	34.662	27.21		1481.1							
	085	00188	06.65	34.650	27.21		1480.3							
	085	00194	06.34	34.540	27.20		1477.8							
	STO	00200	05.97	34.54	27.21	00.219	1477.6							
	085	00201	05.95	34.540	27.22		1477.6							
	085	00205	05.38	34.460	27.22		1475.2							
	085	00207	05.36	34.440	27.21		1475.2							
	085	00215	04.66	34.350	27.25		1473.2							
	085	00226	05.46	34.532	27.27		1476.0							
	085	00230	05.53	34.537	27.27		1476.3							
	STO	00250	06.76	34.76	27.28	00.262	1481.9							
	085	00255	07.08	34.820	27.29		1483.5							
	085	00258	06.60	34.750	27.33		1481.4							
	085	00272	06.63	34.827	27.35		1481.8							
	085	00277	07.06	34.930	27.35		1483.8							
	085	00289	07.66	35.015	27.35		1486.9							
	085	00298	07.56	35.020	27.37		1486.2							
	STO	00300	07.40	35.31	27.39	00.302	1485.6							
	085	00300	07.32	35.305	27.40		1485.2							
	085	00304	07.28	35.305	27.40		1485.2							
	085	00310	06.27	34.610	27.39		1481.0							
	085	00316	06.06	34.600	27.41		1480.2							
	085	00329	05.33	34.677	27.40		1477.4							
	085	00333	05.24	34.640	27.38		1477.0							
	085	00336	04.83	34.566	27.40		1475.3							
	085	00348	04.62	34.610	27.43		1474.7							
	085	00354	04.61	34.670	27.45		1476.0							
	085	00375	04.32	34.650	27.47		1474.7							
	085	00378	04.32	34.63 P	27.480									
	085	00384	02.84	34.535	27.45		1471.9							
	085	00386	03.76	34.540	27.46		1471.7							
	085	00394	03.67	34.595	27.49		1472.7							
	085	00395	04.30	34.680	27.52		1474.3							
	STO	00400	04.30	34.68	27.52	00.370	1474.3							
	085	00401	04.26	34.670	27.52		1474.2							
	085	00403	04.23	34.640	27.54		1474.1							
	085	00406	02.55	34.600	27.54		1472.9							
	085	00426	04.05	34.700	27.56		1475.9							
	085	00441	04.77	34.630	27.55		1477.1							
	085	00447	02.20	34.405	27.56		1475.8							
	085	00451	05.36	34.900	27.57		1479.9							
	085	00460	05.43	34.900	27.57		1480.2							
	085	00464	05.77	35.010	27.61		1481.8							
	085	00474	05.77	34.950	27.60		1481.9							
	085	00485	05.34	34.700	27.56		1480.3							
	085	00491	05.20	34.657	27.59		1478.6							
	085	00494	04.91	34.640	27.58		1478.6							
	STO	00500	04.60	34.67	27.62	00.426	1478.3							
	085	00500	04.80	34.875	27.62		1476.3							
	085	00512	05.34	34.660	27.60		1479.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 00071 AIR TEMP 05.5 DIR MGT PER WIND-DIR 10 INST STO RECORDER TEN SQ 1306  
 CONSEC 0061 MONTH 05 SHIP EV WET BULB 05.5 10 2 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 46 12 N DAY 18 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 048 45 W HOUR 22.5 AREA 05 CLOUD T/A CL/TR WEATHER AB ORIG 011 206 1 SQUARE 66

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAYG	PD4	TGT P	NO2	NO3	SI03	PH
	STD	00000	01.90	32.46	25.97	00.000	1454.3							
	OBS	00001	01.90	32.460	25.97		1454.4							
	STD	00010	01.92	32.45	25.96	00.020	1454.6							
	OBS	00011	01.92	32.450	25.96		1454.6							
	STD	00020	01.92	32.44	25.95	00.041	1454.7							
	OBS	00021	01.92	32.440	25.95		1454.7							
	OBS	00022	01.90	32.440	25.95		1454.7							
	OBS	00024	- 0.38	32.348	25.99		1445.6							
	OBS	00026	- 1.10	32.650	26.28		1441.4							
	STD	00030	- 1.25	32.74	26.35	00.060	1440.8							
	OBS	00032	- 1.35	32.753	26.40		1440.6							
	STD	00050	- 1.27	32.97	26.53	00.092	1441.4							
	OBS	00051	- 1.26	32.985	26.55		1441.5							
	OBS	00060	- 1.38	33.120	26.66		1441.3							

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REFID 31 8355 YEAR 1973 BOTOP 00088 AIR TEMP 04.5 DIR MGT PER WIND-DIR 04 INST STO RECORDER TEN SQ 1306  
 CONSEC 0062 MONTH 05 SHIP EV WET BULB 04.5 10 1 5 WIND-SPD 25 TRACE DIR 0 5 SQUARE 4  
 LAT 46 07 N DAY 16 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 048 40 W HOUR 22.8 AREA 05 CLOUD T/A CL/TR WEATHER AC ORIG 011 267 1 SQUARE 66

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAYG	PD4	TGT P	NO2	NO3	SI03	PH
	STD	00000	01.95	32.46	25.95	00.000	1454.6							
	OBS	00001	01.95	32.464	25.95		1454.6							
	STD	00010	01.96	32.51	26.00	00.020	1454.8							
	OBS	00011	01.96	32.510	26.01		1454.9							
	STD	00020	01.92	32.52	26.02	00.040	1454.9							
	OBS	00021	01.90	32.525	26.02		1454.8							
	OBS	00024	01.77	32.505	26.01		1454.2							
	OBS	00028	01.01	32.470	26.04		1450.8							
	STD	00030	00.62	32.66	26.21	00.055	1449.4							
	OBS	00031	00.48	32.710	26.26		1446.8							
	OBS	00032	- 0.35	32.792	26.35		1446.5							
	OBS	00036	- 0.74	32.878	26.45		1442.7							
	OBS	00038	- 0.69	32.957	26.54		1443.9							
	OBS	00040	- 0.06	33.010	26.53		1446.9							
	OBS	00041	00.00	33.001	26.52		1447.2							
	OBS	00047	- 0.34	33.005	26.53		1445.7							
	STD	00050	- 0.68	33.01	26.55	00.092	1444.2							
	OBS	00051	- 0.64	33.020	26.57		1443.5							
	OBS	00060	- 1.02	33.144	26.67		1443.0							
	OBS	00064	- 1.15	33.140	26.67		1442.4							
	STD	00075	- 1.49	33.15	26.72	00.128	1441.1							
	OBS	00076	- 1.50	33.150	26.72		1441.0							
	OBS	00079	- 1.52	33.200	26.73		1441.0							

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REFID 31 8355 YEAR 1973 BOTOP 00095 AIR TEMP 05.5 DIR MGT PER WIND-DIR 11 INST STO RECORDER TEN SQ 1306  
 CONSEC 0065 MONTH 05 SHIP EV WET BULB 05.0 15 2 5 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 46 02.5N DAY 15 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 046 51 W HOUR 00.9 AREA 05 CLOUD T/A CL/TR WEATHER AB ORIG 011 268 1 SQUARE 66

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAYG	PD4	TGT P	NO2	NO3	SI03	PH
	STD	00000	01.46	32.67	26.17	00.000	1452.7							
	OBS	00001	01.46	32.670	26.17		1452.7							
	STD	00010	01.47	32.66	26.16	00.015	1452.9							
	OBS	00011	01.47	32.660	26.16		1452.9							
	OBS	00017	01.41	32.649	26.15		1452.7							
	STD	00020	01.41	32.66	26.16	00.037	1452.6							
	OBS	00021	01.41	32.657	26.16		1452.6							
	OBS	00024	01.26	32.660	26.17		1452.2							
	OBS	00028	00.51	32.790	26.32		1449.0							
	STD	00030	- 0.60	32.85	26.41	00.055	1449.0							
	OBS	00031	- 0.92	32.847	26.43		1442.5							
	OBS	00038	- 0.66	32.975	26.53		1443.0							
	OBS	00043	- 1.27	32.996	26.56		1441.6							
	STD	00050	- 0.61	33.12	26.65	00.085	1443.8							
	OBS	00051	- 0.73	33.136	26.66		1443.2							
	OBS	00057	- 1.51	33.148	26.69		1440.6							
	OBS	00070	- 1.57	33.205	26.74		1440.6							
	STD	00075	- 1.52	33.21	26.74	00.115	1441.0							
	OBS	00076	- 1.51	33.21 P	26.820		1441.0							
	OBS	00068	- 1.50	33.210	26.74 *		1441.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 00141 AIR TEMP 03.7 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1306  
 CONSEC 0005 MONTH 05 SHIP EV WET BULB 03.2 12 1 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 45 54 N DAY 19 DATA USE 1 BARUMETH 1018.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 16 W HOUR 02.8 AREA 05 CLOUD T/A CL/TR WEATHER 06 ORIG 011 269 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OKYG	P04	TOT P.	NO2	NO3	S103	PH
	STD	00000	00.92	32.87	26.36	00.000	1450.5							
02.8	08S	00001	00.92	32.870	26.36		1450.6							
	STD	00010	00.90	32.67	26.37	00.017	1450.6							
	08S	00011	00.90	32.675	26.37		1450.6							
	08S	00017	00.87	32.857	26.37		1449.7							
	08S	00019	00.18	32.675	26.41		1447.5							
	STD	00020	00.02	32.95	26.48	00.055	1446.9							
	08S	00020	- 0.11	32.957	26.52		1446.3							
	08S	00022	- 0.36	33.000	26.53		1445.2							
	08S	00024	- 1.14	33.130	26.67		1441.6							
	STD	00030	- 1.40	33.26	26.70	00.047	1440.7							
	08S	00030	- 1.42	33.166	26.70		1440.6							
	STD	00030	- 1.57	33.21	26.74	00.074	1440.3							
	08S	00031	- 1.58	33.210	26.74		1440.3							
	08S	00038	- 1.61	33.215	26.75		1440.4							
	STD	00070	- 1.61	33.31	26.82	00.106	1440.7							
	08S	00070	- 1.61	33.320	26.83		1440.7							
	STD	00100	- 1.57	33.35	26.85	00.136	1441.3							
	08S	00100	- 1.57	33.350	26.85		1441.3							
	STD	00125	- 1.51	33.35	26.85	00.166	1442.0							
	08S	00125	- 1.51	33.350	26.85		1442.0							
	08S	00139	- 1.51	33.352	26.85		1442.3							

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REFID 31 8355 YEAR 1973 BOTOP 00358 AIR TEMP 03.5 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1306  
 CONSEC 0005 MONTH 05 SHIP EV WET BULB 03.2 15 1 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 45 50 N DAY 19 DATA USE 1 BARUMETH 1017.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 02.9 AREA 05 CLOUD T/A CL/TR WEATHER 06 ORIG 011 270 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OKYG	P04	TOT P.	NO2	NO3	S103	PH
	STD	00000	00.52	32.97	26.47	00.000	1448.9							
03.9	08S	00001	00.52	32.971	26.47		1448.9							
	08S	00007	00.52	32.960	26.46		1449.0							
	STD	00010	00.51	32.97	26.46	00.016	1449.0							
	08S	00011	00.51	32.970	26.47		1449.0							
	STD	00020	00.50	32.97	26.46	00.032	1449.2							
	08S	00020	00.50	32.970	26.46		1449.2							
	STD	00030	00.54	32.97	26.46	00.047	1449.4							
	08S	00030	00.54	32.970	26.46		1449.4							
	08S	00036	00.53	32.970	26.46		1449.5							
	08S	00043	- 0.87	33.238	26.66		1443.4							
	STD	00050	- 1.30	33.18	26.71	00.076	1441.5							
	08S	00051	- 1.30	33.184	26.72		1441.2							
	STD	00070	- 1.36	33.21	26.74	00.116	1441.7							
	08S	00076	- 1.36	33.215	26.74		1441.7							
	STD	00100	- 1.61	33.35	26.86	00.141	1441.2							
	08S	00100	- 1.61	33.353	26.86		1441.2							
	08S	00112	- 1.64	33.350	26.86		1441.2							
	STD	00125	- 1.53	33.35	26.85	00.171	1441.5							
	08S	00125	- 1.53	33.350	26.85		1441.5							
	STD	00150	- 1.32	33.45	26.96	00.200	1443.3							
	08S	00150	- 1.32	33.490	26.96		1443.5							
	08S	00175	- 1.14	33.570	27.32		1444.5							
	STD	00200	- 1.06	33.54	27.00	00.253	1445.7							
	08S	00201	- 1.04	33.542	26.95		1445.8							
	08S	00226	- 0.54	33.817	27.20		1446.9							
	08S	00234	- 0.07	34.014	27.34		1451.6							
	08S	00241	- 0.03	34.030	27.35		1451.6							
	STD	00250	00.25	34.05	27.35	00.298	1453.2							
	08S	00251	00.29	34.056	27.35		1453.5							
	08S	00276	00.74	34.240	27.47		1456.2							
	STD	00300	01.42	34.36	27.54	00.331	1455.8							
	08S	00300	01.44	34.384	27.54		1455.9							
	08S	00325	02.10	34.520	27.60		1463.4							
	08S	00346	02.32	34.575	27.63		1464.8							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
REFID 31 #555	YEAR 1973	BOTOP DJG22	AIR TEMP 03.0	OIR MGT PER	WIND-OIR 12	INST STO RECORDER	TEN SJ 1006							
CONSEC 0086	MONTH 05	SHIP EV	WET BULB 02.8	12 0 2	WIND-SPG 14	TRACE OIR 0	5 SQUARE 4							
LAT 45 43.5N	DAY 19	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FDR	DURATION	2 SQUARE 48							
LONG 048 01 W	MOUR 05.2	AREA 05	CLCUD T/A	GL/TR	WEATHER x6	ORIG 011 271	1 SQUARE 56							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNJ VEL	ORYG	PC4	TOT P	MG2	NO3	SI03	PH
35.2	STO	00000	01.00	32.86	26.35	00.000	1451.1							
	OBS	00001	01.06	32.860	26.35		1451.2							
	OBS	00007	01.06	32.850	26.34		1451.3							
	STO	00010	01.06	32.85	26.34	00.017	1451.3							
	OBS	00011	04.04	32.850	26.34		1451.2							
	OBS	00017	00.67	32.870	26.36		1450.6							
	OBS	00015	00.06	32.930	26.46		1447.1							
	STO	00020	00.47	32.95	26.45	00.033	1446.9							
	OBS	00020	00.75	32.960	26.45		1450.1							
	OBS	00024	00.46	32.970	26.47		1445.0							
	OBS	00028	- 0.03	32.970	26.49		1446.8							
	STO	00030	- 0.12	33.00	26.52	00.049	1446.5							
	OBS	00030	- 0.18	33.010	26.53		1446.2							
	OBS	00032	- 0.58	33.010	26.55		1444.4							
	OBS	00034	- 0.76	33.010	26.55		1443.6							
	OBS	00036	- 0.64	33.000	26.55		1443.2							
	OBS	00038	- 1.02	33.000	26.56		1442.4							
	OBS	00040	- 1.38	33.120	26.66		1440.9							
	STO	00050	- 1.55	33.15	26.65	00.078	1440.5							
	OBS	00051	- 1.57	33.150	26.65		1440.3							
	STO	00075	- 1.52	33.21	26.74	00.111	1441.0							
	OBS	00076	- 1.54	33.216	26.74		1441.0							
	OBS	00095	- 1.62	33.310	26.82		1441.0							
	STO	00100	- 1.62	33.33	26.84	00.142	1441.1							
	OBS	00100	- 1.62	33.350	26.84		1441.1							
	STO	00125	- 1.44	33.47	26.93	00.172	1442.5							
	OBS	00125	- 1.43	33.450	26.93		1442.6							
	STO	00150	- 1.15	33.57	27.00	00.199	1444.5							
	OBS	00150	- 1.13	33.547	27.00		1444.5							
	OBS	00175	- 0.90	33.570	27.01		1445.8							
	STO	00200	- 0.71	33.69	27.10	00.250	1447.5							
	OBS	00201	- 0.69	33.690	27.10		1447.6							
	OBS	00226	- 0.53	33.700	27.10		1448.8							
	STO	00250	- 0.41	33.82	27.19	00.296	1449.9							
	OBS	00251	- 0.39	33.830	27.20		1450.0							
	OBS	00264	- 0.08	34.000	27.32		1451.9							
	OBS	00270	00.24	34.027	27.33		1453.5							
	OBS	00276	00.24	34.025	27.33		1453.6							
	OBS	00279	00.24	34.040	27.34		1453.7							
	OBS	00285	00.51	34.170	27.43		1455.2							
	OBS	00295	00.63	34.182	27.43		1455.9							
	OBS	00298	00.90	34.230	27.45		1457.2							
	STO	00300	00.93	34.23	27.46	00.334	1457.4							
	OBS	00300	00.96	34.237	27.46		1457.6							
	OBS	00325	01.55	34.370	27.52		1460.8							
	OBS	00325	01.74	34.470	27.59		1461.9							
	OBS	00335	02.01	34.530	27.62		1463.2							
	OBS	00350	02.31	34.590	27.64		1464.8							
	OBS	00375	02.85	34.705	27.68		1467.9							
	STO	00400	03.26	34.72	27.66	00.385	1470.0							
OBS	00401	03.50	34.740	27.67		1470.2								
OBS	00405	03.37	34.646	27.74		1470.7								
OBS	00413	03.65	34.860	27.73		1472.0								
OBS	00426	03.86	34.870	27.72		1473.1								
OBS	00451	04.00	34.940	27.76		1474.2								
OBS	00475	04.37	34.920	27.74		1474.9								
STO	00500	04.11	34.94	27.75	00.453	1475.5								
OBS	00502	04.11	34.940	27.75		1475.5								
OBS	00525	04.11	34.930	27.74		1475.5								
OBS	00550	04.04	34.930	27.75		1476.0								
OBS	00576	04.01	34.930	27.75		1476.0								
STO	00600	04.00	34.93	27.75	00.474	1476.4								
OBS	00601	04.00	34.930	27.75		1476.7								
OBS	00626	03.94	34.930	27.75		1476.7								
OBS	00651	03.45	34.930	27.76		1477.0								
OBS	00675	03.89	34.930	27.76		1477.3								
STO	00700	03.47	34.93	27.77	00.515	1477.5								
OBS	00700	03.87	34.930	27.77		1477.8								
OBS	00725	03.65	34.927	27.77		1478.1								
OBS	00750	03.63	34.922	27.76		1478.4								
OBS	00776	03.62	34.920	27.76		1478.6								
STO	00800	03.60	34.92	27.76	00.557	1479.1								
OBS	00801	03.60	34.920	27.76		1479.2								
OBS	00826	03.62	34.920	27.76		1479.6								
OBS	00850	03.81	34.920	27.76		1480.0								
OBS	00875	03.83	34.920	27.76		1480.4								
STO	00900	03.60	34.92	27.76	00.594	1480.6								
OBS	00900	03.60	34.920	27.76		1480.8								
OBS	00913	03.80	34.918	27.76		1481.0								

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 02641 AIR TEMP 06.0 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SW 1306  
CONSEC 0088 MONTH 05 SHIP EV WET BULB 06.0 18 1 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
LAT 45 05 N DAY 15 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOK DURATION 2 SQUARE 46  
LONG 047 07 W HOUR 11.1 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG 011 273 1 SQUARE 57

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.1	STO	00000	01.68	33.20	26.57	00.000	1455.3							
	OBS	00003	01.88	33.205	26.57		1455.3							
	STO	00010	01.63	33.31	26.65	00.014	1455.3							
	OBS	00011	01.61	33.322	26.67		1455.3							
	STO	00020	01.66	33.35	26.68	00.028	1454.6							
	OBS	00021	01.64	33.330	26.68		1454.7							
	OBS	00024	00.50	33.351	26.74		1448.7							
	OBS	00026	-0.53	33.352	26.62		1445.0							
	OBS	00026	-0.70	33.324	26.97		1444.1							
	STO	00030	-0.63	33.53	26.97	00.041	1444.6							
	OBS	00032	-0.46	33.350	26.98		1445.7							
	OBS	00034	-0.39	33.372	26.99		1446.1							
	OBS	00036	-0.22	33.676	27.07		1447.0							
	STO	00050	-0.20	33.65	27.08	00.061	1447.2							
	OBS	00051	-0.25	33.655	27.09		1447.2							
	STO	00075	-0.21	33.80	27.22	00.084	1448.0							
	OBS	00076	-0.20	33.870	27.23		1448.1							
	STO	00100	00.06	34.03	27.34	00.104	1449.8							
	OBS	00100	00.06	34.03	27.34		1449.8							
	OBS	00104	00.37	34.050	27.36		1449.9							
	OBS	00104	00.50	33.900	27.190*		1450.0							
	OBS	00115	00.51	34.040	27.34		1451.4							
	OBS	00123	00.33	34.11	27.40	00.122	1451.6							
	STO	00127	00.36	34.150	27.42		1451.9							
	OBS	00139	00.65	34.200	27.44		1453.6							
	OBS	00141	00.96	34.246	27.46		1455.0							
	OBS	00144	01.03	34.240	27.45		1453.3							
	STO	00150	01.92	34.33	27.47	00.139	1459.5							
	OBS	00152	02.19	34.360	27.47		1460.7							
	OBS	00161	02.55	34.365	27.44		1462.6							
	OBS	00165	02.15	34.350	27.46		1460.8							
	OBS	00167	02.14	34.363	27.47		1460.8							
	OBS	00171	02.73	34.457	27.50		1463.5							
	OBS	00186	03.62	34.580	27.49		1468.6							
	OBS	00190	03.84	34.657	27.55		1468.9							
	OBS	00194	04.21	34.720	27.56		1470.6							
	STO	00200	04.37	34.73	27.55	00.145	1471.3							
	OBS	00201	04.42	34.727	27.55		1471.6							
	OBS	00207	04.15	34.695	27.55		1470.5							
	OBS	00217	03.10	34.580	27.56		1466.0							
	OBS	00226	02.98	34.577	27.57		1465.7							
	OBS	00247	03.52	34.700	27.64		1468.5							
	STO	00250	03.27	34.64	27.64	00.195	1467.5							
	OBS	00264	02.53	34.570	27.62		1462.5							
	OBS	00276	02.23	34.577	27.64		1463.2							
	STO	00300	02.70	34.67	27.67	00.218	1465.6							
	OBS	00300	02.72	34.677	27.67		1465.9							
	OBS	00316	03.00	34.715	27.68		1467.4							
	OBS	00317	03.50	34.730	27.66		1468.8							
	OBS	00325	03.44	34.730	27.65		1469.5							
	OBS	00350	03.70	34.840	27.71		1471.1							
	OBS	00375	03.61	34.840	27.72		1471.2							
	STO	00400	03.68	34.87	27.74	00.261	1471.9							
	OBS	00401	03.65	34.870	27.74		1472.0							
	OBS	00426	03.96	34.895	27.73		1473.6							
	OBS	00451	04.06	34.937	27.75		1474.5							
	OBS	00475	04.16	34.920	27.73		1475.3							
	STO	00500	04.18	34.93	27.73	00.302	1475.6							
	OBS	00500	04.16	34.930	27.73		1475.8							
	OBS	00525	04.16	34.930	27.74		1476.1							
	OBS	00552	04.17	34.940	27.74		1476.6							
	OBS	00576	04.22	34.937	27.73		1477.2							
	STO	00600	04.16	34.95	27.75	00.344	1477.4							
	OBS	00601	04.16	34.950	27.75		1477.4							
	OBS	00626	04.14	34.950	27.75		1477.7							
	OBS	00651	04.11	34.950	27.76		1478.0							
	OBS	00675	04.05	34.943	27.75		1478.3							
	STO	00700	04.08	34.95	27.76	00.366	1478.7							
	OBS	00700	04.08	34.950	27.76		1478.7							
	OBS	00727	04.05	34.950	27.76		1479.0							
	OBS	00751	04.04	34.950	27.76		1479.4							
	OBS	00776	03.96	34.950	27.77		1479.5							
	STO	00800	03.97	34.92	27.75	00.425	1479.9							
	OBS	00801	03.97	34.920	27.75		1479.9							
	OBS	00826	04.07	34.950	27.74		1480.7							
	OBS	00850	04.06	34.930	27.74		1481.2							
	OBS	00875	04.05	34.930	27.75		1481.5							
	STO	00900	04.05	34.93	27.75	00.472	1481.9							
	OBS	00900	04.05	34.930	27.75		1481.9							
	OBS	00925	04.04	34.930	27.75		1482.2							
	OBS	00951	04.02	34.930	27.75		1482.6							
	OBS	00976	04.02	34.940	27.76		1483.0							
	STO	01000	04.04	34.93	27.75	00.518	1483.5							
	OBS	01001	04.04	34.930	27.75		1483.5							
	OBS	01016	04.00	34.930	27.75		1483.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

H O O C S T A T I O N D A T A

REFID 31 8555 YEAR 1973 BOTDP 05515 AIR TEMP 08.0 DIR MGT PER WIND-OIR 28 INST STO RECOROEA TEN SQ 1506  
 CONSEC 0006 MONTH 05 SHIP EV WET BULB 06.8 15 2 3 WIND-SPO 22 TRACE DIR D 5 SQUARE 2  
 LAT 44 53 N OAY 19 DATA USE 1 BAROMETER 1017.0 SEA CL/TR WIND-FDR 0URATION 2 SQUARE 48  
 LONG 040 33 W HOUR 14.6 AREA 05 CLOUD T/A WEATHER RZ ORIG 011 274 1 SQUARE 46

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAVG	P04	TOT P.	NO2	NO3	S103	PH
14.6	STO	00000	05.58	33.20	26.21	00.000	1471.0							
	085	00001	05.58	33.201	26.21		1471.0							
	STO	00010	05.55	33.33	26.30	00.016	1471.4							
	085	00011	05.59	33.340	26.31		1471.4							
	STO	00020	05.57	33.35	26.32	00.035	1471.5							
	085	00021	05.57	33.347	26.32		1471.5							
	085	00024	03.96	33.280	26.45		1464.8							
	STO	00030	03.24	33.33	26.56	00.051	1461.9							
	085	00030	03.15	33.330	26.50		1461.7							
	STO	00050	02.82	33.45	26.68	00.080	1460.7							
	085	00051	02.64	33.457	26.65		1460.7							
	085	00070	02.90	33.525	26.74		1461.5							
	STO	00075	02.30	33.74	26.80	00.112	1458.8							
	085	00078	01.97	33.554	26.84		1457.4							
	STO	00100	01.15	33.78	27.07	00.141	1454.5							
	085	00100	01.12	33.790	27.09		1454.4							
	085	00108	01.86	33.518	27.14		1457.9							
	STO	00125	02.22	34.11	27.27	00.165	1460.1							
	085	00125	02.25	34.120	27.27		1460.1							
	STO	00150	02.47	34.23	27.34	00.185	1461.7							
	085	00150	02.47	34.235	27.34		1461.7							
	085	00167	02.47	34.235	27.34		1452.0							
	085	00175	02.75	34.354	27.41		1463.5							
	085	00180	03.35	34.380	27.40		1463.1							
	085	00182	03.33	34.380	27.38		1463.1							
	STO	00200	02.95	34.37	27.41	00.215	1458.8							
	085	00201	02.94	34.373	27.41		1458.3							
	085	00215	02.58	34.470	27.45		1455.5							
	085	00226	03.21	34.514	27.45		1467.0							
	STO	00250	03.32	34.58	27.54	00.251	1467.5							
	085	00251	03.33	34.585	27.54		1467.6							
	085	00276	03.68	34.680	27.55		1465.6							
	STO	00300	04.06	34.72	27.58	00.275	1471.7							
	085	00300	04.07	34.725	27.58		1471.7							
	085	00325	04.14	34.767	27.61		1472.5							
	085	00350	04.41	34.665	27.66		1474.2							
	085	00375	04.45	34.860	27.65		1474.7							
	STO	00400	04.50	34.92	27.65	00.325	1475.4							
	085	00401	04.53	34.920	27.65		1475.5							
	085	00430	04.36	34.920	27.71		1475.3							
	085	00451	04.36	34.940	27.72		1475.7							
	085	00475	04.68	34.940	27.650*									
	085	00481	04.39	34.530	27.71		1476.3							
	STO	00500	04.45	34.51	27.69	00.375	1476.9							
	085	00500	04.45	34.910	27.69		1476.5							
	085	00525	04.37	34.945	27.72		1477.0							
	085	00550	04.36	34.925	27.71		1477.3							
	085	00576	04.47	34.940	27.71		1478.3							
	STO	00600	04.36	34.94	27.72	00.421	1478.2							
	085	00601	04.35	34.935	27.72		1478.2							
	085	00626	04.54	35.04	27.780									
	085	00651	04.36	34.940	27.72		1475.0							
	085	00675	04.32	34.950	27.73		1475.3							
	STO	00700	04.29	34.94	27.73	00.466	1479.6							
	085	00702	04.29	34.945	27.73		1479.6							
	085	00725	04.25	34.950	27.74		1479.8							
	085	00750	04.20	34.925	27.73		1480.0							
	085	00776	04.11	34.930	27.74		1480.1							
	STO	00800	04.05	34.92	27.74	00.510	1480.2							
	085	00803	04.05	34.920	27.74		1480.2							
	085	00826	04.04	34.920	27.74		1480.6							
	085	00852	04.05	34.930	27.75		1481.1							
	085	00675	04.01	34.925	27.75		1481.3							
	STO	00900	03.93	34.92	27.75	00.555	1481.3							
	085	00900	03.93	34.920	27.75		1481.3							
	085	00925	03.93	34.920	27.75		1481.8							
	085	00951	03.67	34.912	27.75		1482.0							
	085	00976	03.87	34.923	27.76		1482.4							
	STO	01000	03.86	34.95	27.78	00.598	1482.8							
	085	01001	03.86	34.950	27.78		1482.8							
	085	01018	03.69	34.937	27.77		1483.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

W O O C S T A T I O N D A T A

REFID 3. 8355	YEAR 1973	BOTOP 02240	AIR TEMP 12.0	DIR HGT PER	#WIND-DIR 12	INST STC RECORDER	TEN SW 1006
CONSEC 0050	MONTH 05	SHIP EV	#ET BULB 05.0	23 2 4	WIND-SPD 07	TRACE OIR 0	5 SQUARE 2
LAT 44 15 N	DAY 19	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FDR	DURATION	2 SQUARE 46
LONG 040 00 W	MOJR 18.5	AREA 05	CLOUD T/A	CL/TR	WEATHER A4	ORIG 011 275	1 SQUARE 46

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SWD VEL	ORYG	PD4	TOT P.	NO2	NO3	S103	PH
18.5	STO	00000	06.51	33.33	26.15	00.000	1474.9							
	OBS	00000	06.51	33.330	26.19		1474.9							
	STO	00010	06.50	33.33	26.15	00.016	1475.0							
	OBS	00010	06.50	33.330	26.19		1475.0							
	STO	00020	04.56	33.27	26.38	00.036	1467.2							
	OBS	00020	04.56	33.270	26.38		1467.2							
	STO	00030	03.48	33.45	26.66	00.051	1463.1							
	OBS	00030	03.48	33.450	26.66		1463.1							
	STO	00050	03.27	33.71	26.85	00.077	1462.8							
	OBS	00050	03.27	33.710	26.85		1462.8							
	STO	00075	00.33	33.66	27.03	00.105	1450.3							
	OBS	00075	00.33	33.660	27.03		1450.3							
	STO	00100	01.05	34.13	27.36	00.127	1454.7							
	OBS	00100	01.05	34.130	27.36		1454.7							
	STO	00125	05.15	34.63	27.35	00.145	1473.2							
	OBS	00125	05.15	34.630	27.35		1473.2							
	STO	00150	05.88	34.76	27.40	00.163	1476.7							
	OBS	00150	05.88	34.760	27.40		1476.7							
	OBS	00160	04.76	34.47	27.30									
	OBS	00170	05.03	34.610	27.35		1473.4							
	OBS	00175	04.51	34.570	27.41		1471.3							
	OBS	00180	04.68	34.610	27.42		1472.1							
	OBS	00190	04.40	34.590	27.44		1471.1							
	STO	00200	04.32	34.64	27.47	00.197	1471.8							
	OBS	00200	04.32	34.640	27.47		1471.8							
	OBS	00230	03.54	34.530	27.48		1468.1							
	STO	00250	04.70	34.80	27.57	00.227	1472.6							
	OBS	00250	04.70	34.800	27.57		1472.6							
	OBS	00270	05.00	34.830	27.56		1475.2							
	OBS	00280	04.47	34.750	27.56		1472.1							
	OBS	00290	05.02	34.900	27.62		1475.7							
	STO	00300	04.95	34.91	27.63	00.254	1475.8							
	OBS	00300	04.95	34.910	27.63		1475.8							
	OBS	00320	04.54	34.900	27.62		1475.9							
	OBS	00360	05.14	34.960	27.65		1477.5							
	STO	00400	04.33	34.57	27.60	00.303	1477.3							
	OBS	00400	04.33	34.570	27.60		1477.3							
	STO	00500	04.66	34.78	27.72	00.348	1477.8							
	OBS	00500	04.66	34.780	27.72		1477.8							
	STO	00600	04.53	34.53	27.74	00.352	1475.0							
	OBS	00600	04.53	34.530	27.74		1475.0							
	STO	00700	04.30	34.58	27.76	00.434	1475.6							
	OBS	00700	04.30	34.580	27.76		1475.6							
	STO	00800	04.15	34.98	27.78	00.476	1480.7							
	OBS	00800	04.15	34.980	27.78		1480.7							
	STO	00900	04.01	34.97	27.78	00.517	1481.7							
	OBS	00900	04.01	34.970	27.78		1481.7							
	STO	01000	03.55	34.56	27.78	00.555	1483.1							
	OBS	01000	03.55	34.560	27.78		1483.1							
	OBS	01020	03.51	34.560	27.75		1483.3							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REF ID: A-3555 YE: 1973 #JTOP: J4.57 AIR TEMP: 12.4 DIR HGT PER: WIND-DIR: 2+ INST STO RECORDER: TEN SQ: 1306  
 CONSEC: J39.4 MJNT: J5 SAMP EV: MET BULB: 10.6 OO O X: WIND-SPD: 05 TRACE DIR: D: 5 SQUARE: 2  
 LAT: 45 53 N QAS: 15 DATA USE: 1 BAROMETR: J017.7 SEA: WIND-FOR: DURATION: 2 SQUARE: 24  
 LONG: J45 50 W HOUR: 25.2 AREA: J5 CLOUD: T/A CL/TR: WEATHER: X4 ORIG: 011 274 1 SQUARE: 55

CASNUM/TIME	LVL	DEPT	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	JXYG	P34	TOT P-	NO2	NO3	SIO2	PH
13.2	STO	00000	05.77	33.22	26.20	00.000	1471.8							
	OBS	00001	05.77	33.220	26.20		1471.8							
	OBS	00002	05.84	33.205	26.18		1472.1							
	STO	00010	05.15	33.15	26.22	00.018	1465.5							
	OBS	00011	05.07	33.140	26.22		1465.0							
	OBS	00013	05.01	33.160	26.24		1468.8							
	OBS	00019	01.23	32.922	26.36		1454.1							
	STO	00020	01.33	33.11	26.53	00.035	1453.1							
	OBS	00021	01.22	33.227	26.64		1452.3							
	OBS	00024	00.30	33.165	26.63		1448.5							
	OBS	00028	00.14	33.105	26.59		1447.8							
	STO	00030	- 0.21	33.15	26.68	00.045	1446.3							
	OBS	00030	- 0.26	33.207	26.65		1446.0							
	OBS	00032	- 0.32	33.160	26.66		1445.8							
	OBS	00034	00.11	33.340	26.78		1448.1							
	OBS	00038	00.34	33.405	26.84		1447.9							
	OBS	00040	00.25	33.465	26.88		1445.0							
	OBS	00042	- 0.16	33.330	26.79		1447.0							
	OBS	00042	- 0.36	33.345	26.81		1446.1							
	OBS	00045	- 0.07	33.260	26.84		1447.5							
	STO	00053	- 0.10	33.38	26.85	00.075	1447.4							
	OBS	00051	- 0.15	33.427	26.87		1447.1							
	OBS	00055	- 1.05	33.420	26.90		1445.3							
	OBS	00060	- 1.10	33.480	26.95		1443.1							
	STO	00075	- 0.50	33.55	27.00	00.104	1444.5							
	OBS	00076	- 0.88	33.555	27.00		1444.5							
	OBS	00065	- 0.65	33.553	27.02		1445.0							
	OBS	00067	- 0.14	33.665	27.07		1446.4							
	OBS	00091	00.00	33.740	27.11		1445.4							
	STO	00100	03.56	34.15	27.17	00.129	1465.6							
	OBS	00100	03.78	34.175	27.17		1466.5							
	OBS	00104	04.26	34.240	27.18		1468.6							
	OBS	00108	04.61	34.242	27.14		1470.2							
	STO	00125	04.62	34.35	27.21	00.151	1470.6							
	OBS	00125	04.62	34.327	27.21		1470.6							
	OBS	00127	04.71	34.327	27.20		1471.0							
	OBS	00125	05.08	34.364	27.20		1472.6							
	OBS	00137	05.39	34.505	27.26		1474.2							
	OBS	00140	05.86	34.550	27.24		1476.2							
	STO	00150	05.91	34.57	27.25	00.173	1476.6							
	OBS	00150	05.91	34.570	27.25		1476.6							
	OBS	00175	05.50	34.582	27.31		1475.4							
	OBS	00176	05.39	34.570	27.31		1475.0							
	OBS	00184	05.43	34.577	27.31		1475.2							
	OBS	00194	04.52	34.510	27.36		1471.6							
	STO	00200	04.45	34.50	27.36	00.213	1471.3							
	OBS	00201	04.44	34.455	27.36		1471.3							
	OBS	00205	04.50	34.530	27.38		1471.8							
	OBS	00213	04.50	34.582	27.38		1473.6							
	OBS	00226	04.55	34.584	27.37		1474.0							
	OBS	00230	05.00	34.600	27.38		1474.3							
	OBS	00243	04.65	34.630	27.42		1473.8							
	STO	00250	05.31	34.72	27.45	00.245	1476.0							
	OBS	00251	05.35	34.730	27.44		1476.4							
	OBS	00276	05.26	34.720	27.44		1476.2							
	STO	00300	05.14	34.84	27.55	00.280	1476.5							
	OBS	00302	05.13	34.843	27.56		1476.3							
	OBS	00325	05.02	34.860	27.58		1476.3							
	OBS	00350	05.34	34.935	27.58		1478.0							
	OBS	00359	05.26	34.875	27.57		1477.8							
	OBS	00367	04.64	34.775	27.56		1475.3							
	OBS	00375	04.28	34.660	27.42		1475.7							
	STO	00400	04.45	34.83	27.63	00.335	1475.1							
	OBS	00401	04.43	34.820	27.63		1475.0							
	OBS	00426	04.81	34.920	27.65		1477.1							
	OBS	00451	05.13	34.945	27.64		1479.0							
	OBS	00475	05.15	35.030	27.70		1475.5							
	STO	00500	05.24	35.05	27.71	00.364	1480.3							
	OBS	00500	05.24	35.053	27.71		1480.3							
	OBS	00527	05.00	35.020	27.71		1475.7							
	OBS	00552	04.76	35.020	27.74		1475.2							
	OBS	00576	04.73	35.030	27.75		1475.5							
	STO	00600	04.75	35.04	27.76	00.426	1475.9							
	OBS	00601	04.75	35.040	27.76		1480.0							
	OBS	00626	04.62	35.060	27.76		1480.7							
	OBS	00652	04.76	35.060	27.77		1481.0							
	OBS	00675	04.78	35.060	27.77		1481.3							
	STO	00700	04.73	35.06	27.78	00.470	1481.5							
	OBS	00700	04.73	35.060	27.78		1481.5							
	OBS	00725	04.67	35.053	27.78		1481.7							
	OBS	00750	04.70	35.070	27.79		1482.3							
	OBS	00776	04.67	35.067	27.79		1482.6							
	STO	00800	04.52	35.06	27.80	00.510	1482.3							
	OBS	00801	04.52	35.060	27.80		1482.4							
	OBS	00826	04.50	35.050	27.75		1482.7							
	OBS	00850	04.43	35.050	27.80		1482.8							
	OBS	00875	04.36	35.050	27.81		1483.0							
	STO	00900	04.30	35.04	27.81	00.550	1483.1							
	OBS	00900	04.30	35.040	27.81		1483.1							
	OBS	00925	04.29	35.040	27.81		1483.4							
	OBS	00951	04.25	35.030	27.80		1483.7							
	OBS	00976	04.21	35.030	27.81		1483.5							
	STO	01000	04.26	35.03	27.81	00.590	1484.1							
	OBS	01001	04.16	35.027	27.81		1484.1							
	OBS	01026	04.12	35.020	27.81		1484.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NODUL STATION DATA

REFID 31 0355 YEAR 1973 BOTOP 04046 AIR TEMP 06.0 DIR MGT PER #WIND-DIR 00 INST STO RECORDER TEN SW 1300  
 CONSEC 0392 MONTH 05 SHIP EV NET BULB 05.5 00 0 #WIND-SPD 00 TRACE DIR 0 5 SQUARE 2  
 LAT 44 03.54 DAY 20 DATA USE 1 BARGMETA 1017.8 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 046 11.04 HOUR 02.7 AREA 05 CLGUD T/A CL/T/A WEATHER X4 ORIG 011 277 1 SQUARE 66

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DAYG	PD4	TGT P.	NO2	NO3	S103	PM
02.7	STO	00000	04.75	33.24	26.25	00.000	1467.5							
	OBS	00001	04.75	33.140	26.25		1467.5							
	OBS	00007	04.75	33.130	26.24		1467.6							
	STO	00010	04.50	33.13	26.27	00.010	1466.6							
	OBS	00013	03.59	33.130	26.36		1462.8							
	OBS	00015	02.76	33.000	26.33 *		1459.1							
	OBS	00017	01.27	33.210	26.61		1452.8							
	STO	00020	- 0.74	33.27	26.77	00.035	1445.8							
	OBS	00020	- 1.20	33.290	26.80		1441.7							
	STO	00030	- 1.43	33.35	26.85	00.045	1440.8							
	OBS	00030	- 1.44	33.350	26.85		1440.8							
	OBS	00040	- 1.60	33.340	26.85		1442.2							
	OBS	00043	- 1.52	33.370	26.87		1440.7							
	OBS	00047	- 0.84	33.490	26.95		1444.1							
	STO	00050	- 0.68	33.51	26.95	00.065	1444.9							
	OBS	00051	- 0.59	33.520	26.96		1445.4							
	OBS	00053	- 0.48	33.540	26.97		1445.9							
	OBS	00055	00.23	33.620	27.00		1445.3							
	OBS	00057	00.69	33.660	27.01		1451.5							
	OBS	00062	00.82	33.670	27.01		1452.2							
	OBS	00064	01.11	33.700	27.02		1453.6							
	OBS	00066	02.47	33.830	27.02		1459.8							
	OBS	00070	02.98	33.890	27.02		1462.2							
	STO	00075	03.16	33.89	27.00	00.096	1463.1							
	OBS	00076	03.21	33.885	27.00		1463.3							
	OBS	00081	03.13	33.895	27.01		1463.0							
	OBS	00085	02.78	33.894	27.04		1461.6							
	STO	00100	02.78	33.89	27.04	00.122	1461.8							
	OBS	00100	02.78	33.890	27.04		1461.8							
	OBS	00104	02.87	33.857	27.04		1462.3							
	OBS	00108	03.26	34.02 P	27.100									
	STO	00125	03.16	33.51	27.02 *	00.148	1463.5							
	OBS	00125	03.16	33.910	27.02		1463.9							
	OBS	00127	03.16	33.910	27.02		1463.9							
	OBS	00146	02.73	33.890	27.05		1462.3							
	STO	00150	02.65	33.65	27.11	00.174	1463.5							
	OBS	00150	02.66	34.000	27.11		1463.6							
	OBS	00149	04.13	34.170	27.13		1465.1							
	OBS	00171	04.73	34.240	27.13		1471.7							
	OBS	00175	04.75	34.260	27.13		1472.0							
	OBS	00168	04.57	34.230	27.09 *		1473.0							
	OBS	00194	05.06	34.510	27.20		1477.1							
	OBS	00192	06.42	34.580	27.19		1479.4							
	STO	00200	05.51	34.43	27.18	00.221	1475.6							
	OBS	00205	04.29	34.255	27.19		1470.5							
	OBS	00211	03.14	34.130	27.20		1465.5							
	OBS	00215	03.03	34.170	27.24		1465.2							
	OBS	00220	02.13	34.020	27.20 *		1461.1							
	OBS	00216	01.63	34.032	27.25		1459.0							
	OBS	00230	01.53	34.040	27.26		1458.7							
	OBS	00237	04.65	34.587	27.35		1473.8							
	OBS	00245	04.25	34.520	27.40		1471.3							
	OBS	00247	04.23	34.530	27.41		1471.5							
	STO	00250	05.09	34.66	27.42	00.261	1475.1							
	OBS	00251	05.48	34.725	27.42		1476.7							
	OBS	00272	05.63	34.850	27.50		1477.9							
	OBS	00274	06.00	34.878	27.46		1475.4							
	OBS	00277	06.11	34.850	27.44 *		1475.9							
	OBS	00295	06.49	34.930	27.45		1481.8							
	OBS	00298	06.14	34.845	27.43		1480.3							
	STO	00300	06.11	34.86	27.45	00.296	1480.5							
	OBS	00300	06.05	34.865	27.46		1480.0							
	OBS	00306	04.11	34.550	27.47		1471.8							
	OBS	00323	03.91 P	34.600	27.50Q									
	OBS	00329	04.30	34.600	27.46 *		1473.0							
	OBS	00336	04.30	34.595	27.45		1473.1							
	OBS	00344	03.94	34.580	27.46		1471.7							
	OBS	00350	04.12	34.700	27.56		1472.7							
	OBS	00357	04.14	34.693	27.55		1472.5							
	OBS	00363	03.45	34.590	27.54		1470.0							
	OBS	00371	03.48	34.590	27.53		1470.2							
	OBS	00380	03.80	34.692	27.58		1471.5							
	STO	00400	04.59	34.85	27.62	00.356	1475.7							
	OBS	00403	04.60	34.853	27.63		1475.6							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A														
CASSTN/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	FD4	TOT P	NO2	NO3	SI03	PH
	085	00411	04.48	34.845	27.63		1475.4							
	085	00420	04.81	34.870	27.62		1477.1							
	085	00451	04.55	34.920	27.64		1476.1							
	085	00475	04.52	34.930	27.65		1478.4							
	ST0	00500	05.03	34.97	27.67	00.407	1475.2							
	085	00502	05.03	34.970	27.67		1475.4							
	085	00527	04.58	35.020	27.71		1475.6							
	085	00546	04.60	35.020	27.73		1479.5							
	085	00550	04.66	35.025	27.73		1475.5							
	085	00570	04.67	35.030	27.74		1480.0							
	ST0	00600	05.15	35.05	27.72	00.455	1481.6							
	085	00601	05.16	35.050	27.72		1481.7							
	085	00626	05.06	35.080	27.75		1481.7							
	085	00651	04.85	35.060	27.76		1481.4							
	085	00675	04.75	35.060	27.77		1481.4							
	ST0	00700	04.77	35.06	27.77	00.495	1481.7							
	085	00700	04.77	35.060	27.77		1481.7							
	085	00725	04.84	35.080	27.78		1482.4							
	085	00750	04.76	35.073	27.78		1482.6							
	085	00778	04.75	35.060	27.77		1482.1							
	ST0	00800	04.77	35.06	27.77	00.541	1483.4							
	085	00801	04.77	35.060	27.77		1483.4							
	085	00820	04.73	35.050	27.77		1483.6							
	085	00850	04.83	35.075	27.80		1483.6							
	085	00875	04.54	35.060	27.80		1483.7							
	ST0	00900	04.44	35.06	27.80	00.583	1483.9							
	085	00900	04.49	35.060	27.80		1483.5							
	085	00925	04.45	35.050	27.80		1484.0							
	085	00951	04.41	35.050	27.80		1484.4							
	085	00970	04.35	35.050	27.81		1484.7							
	ST0	01000	04.36	35.04	27.80	00.624	1485.0							
	085	01001	04.36	35.043	27.80		1485.0							
	085	01016	04.29	35.039	27.81		1485.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8555 YEAR 1973 BOTOP 03662 AIR TEMP 04.9 DIR MGT PER WIND-DIR 35 INST STD RECORDER TEN 52 1506  
 CONSEC 0053 MONTH 05 SHIP 4V WET BULB 04.7 22 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 44 12 N DAY 20 DATA USE 1 BAROMETR 1017.9 SEA 1 WIND-FQR JURATION 2 SQUARE 42  
 LONG 046 54 W HOUR 06.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 278 1 SQUARE 42

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPDM	SNO VEL	OAYG	PO4	TOT P.	NO2	NO3	S103	PH
06.7	STD	00000	09.07	34.24	26.53	00.000	1486.0							
	OBS	00003	09.07	34.242	26.53		1486.0							
	STD	00010	09.20	34.44	26.66	00.015	1487.1							
	OBS	00011	09.20	34.473	26.68		1487.3							
	STD	00020	09.41	34.54	26.71	00.028	1488.0							
	OBS	00020	09.43	34.567	26.74		1488.1							
	OBS	00025	09.53	34.540	26.810									
	STD	00030	09.44	34.63	26.77	00.041	1488.4							
	OBS	00030	09.40	34.595	26.75		1488.4							
	OBS	00034	09.58	34.880	26.88		1490.7							
	OBS	00038	10.13	34.517	26.88		1491.4							
	OBS	00040	10.53	35.205	27.04		1493.2							
	STD	00050	10.61	35.11	27.03	00.065	1493.7							
	OBS	00051	10.62	35.210	27.03		1493.7							
	STD	00075	10.44	35.18	27.04	00.091	1493.4							
	OBS	00076	10.43	35.180	27.04		1493.4							
	OBS	00099	10.28	35.160	27.05		1493.2							
	STD	00100	10.43	35.14	27.04	00.117	1493.0							
	OBS	00101	10.11	35.070	27.01		1492.6							
	STD	00125	09.51	35.02	27.07	00.143	1490.7							
	OBS	00125	09.50	35.020	27.07		1490.6							
	OBS	00151	09.42	35.050	27.09		1490.5							
	OBS	00135	09.10	34.930	27.07		1489.2							
	OBS	00139	09.05	34.920	27.07		1489.1							
	OBS	00140	08.81	34.880	27.06		1488.1							
	OBS	00140	08.15	34.720	27.05		1485.5							
	STD	00150	07.18	34.60	27.10	00.165	1481.7							
	OBS	00150	07.10	34.567	27.10		1481.4							
	OBS	00156	06.76	34.590	27.15		1480.2							
	OBS	00155	07.04	34.554	27.11		1481.3							
	OBS	00163	07.00	34.580	27.10		1481.4							
	OBS	00165	07.60	34.720	27.13		1483.7							
	OBS	00175	07.83	34.850	27.20		1485.0							
	STD	00200	07.62	34.87	27.22	00.216	1485.3							
	OBS	00201	07.62	34.870	27.22		1485.4							
	OBS	00218	08.21	34.925	27.20		1487.2							
	OBS	00224	07.50	34.810	27.21		1484.7							
	OBS	00232	07.17	34.735	27.21		1483.2							
	OBS	00245	07.01	34.730	27.23		1482.8							
	OBS	00247	06.68	34.705	27.25		1481.5							
	STD	00250	06.73	34.72	27.26	00.260	1481.7							
	OBS	00253	06.79	34.740	27.26		1482.0							
	OBS	00262	06.93	34.737	27.24		1482.7							
	OBS	00270	07.88	35.045	27.35		1487.0							
	OBS	00276	08.14	35.070	27.33		1480.1							
	OBS	00296	07.71	35.040	27.37		1486.6							
	STD	00300	07.54	35.02	27.38	00.301	1486.1							
	OBS	00304	06.99	34.940	27.39		1480.9							
	OBS	00316	06.70	34.850	27.36		1480.9							
	OBS	00321	06.17	34.73	27.340									
	OBS	00327	05.52	34.720	27.30		1475.0							
	OBS	00354	05.09	34.820	27.47		1475.4							
	OBS	00355	05.97	34.910	27.51		1480.8							
	OBS	00369	06.58	35.030	27.52		1483.5							
	OBS	00375	06.04	35.030	27.52		1483.7							
	OBS	00384	06.67	35.020	27.50		1484.1							
	OBS	00395	05.40	34.830	27.54		1478.9							
	STD	00400	05.36	34.85	27.55	00.370	1478.9							
	OBS	00401	05.34	34.850	27.54		1478.8							
	OBS	00415	05.18	34.837	27.55		1478.4							
	OBS	00422	05.76	34.940	27.56		1481.0							
	OBS	00426	05.83	34.930	27.54		1481.3							
	OBS	00451	06.04	35.067	27.62		1482.8							
	OBS	00475	05.66	35.050	27.63		1482.4							
	STD	00500	05.77	35.04	27.64	00.427	1482.4							
	OBS	00500	05.65	35.040	27.65		1482.0							
	OBS	00505	05.04	35.05	27.720									
	OBS	00550	05.17	34.92	27.610									
	OBS	00576	04.91	34.930	27.65		1480.1							
	STD	00600	04.63	34.94	27.69	00.478	1480.3							
	OBS	00600	04.65	34.940	27.69		1479.5							
	OBS	00626	04.50	35.040	27.73		1481.2							
	OBS	00651	04.60	35.030	27.73		1481.4							
	OBS	00675	04.76	35.030	27.75		1481.2							
	STD	00700	04.51	35.02	27.77	00.523	1480.6							
	OBS	00701	04.52	35.020	27.77		1480.6							
	OBS	00724	04.63	35.025	27.76		1480.6							
	OBS	00750	04.55	34.94	27.70		1481.6							
	OBS	00776	04.55	35.030	27.77		1482.0							
	STD	00800	04.41	35.02	27.78	00.564	1481.8							
	OBS	00800	04.41	35.020	27.76		1481.8							
	OBS	00826	04.45	35.020	27.77		1481.4							
	OBS	00850	04.44	35.020	27.78		1482.6							
	OBS	00875	04.45	35.030	27.76		1483.3							
	STD	00900	04.20	35.02	27.81	00.605	1482.6							
	OBS	00901	04.20	34.93	27.730									
	OBS	00925	04.29	35.00	27.76		1482.6							
	OBS	00951	04.29	34.94	27.730									
	OBS	00976	04.24	34.94	27.730									
	STD	01000	04.19	35.02	27.81	00.643	1484.2							
	OBS	01001	04.16	34.93	27.730									
	OBS	01018	04.32	35.030	27.80		1485.1							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REF ID: A11835  
 CONSEC: 0094  
 LAT: 44 21 N  
 LONG: 047 34 W  
 YEAR: 1973  
 MONTH: 05  
 DAY: 20  
 HOUR: 10.5  
 BOTOP: 03067  
 SHIP: EV  
 DATA USE: 1  
 AREA: 05  
 AIR TEMP: 10.0  
 WET BULB: 08.5  
 BAROMETR: 1017.9  
 CLOUD: T/A  
 DIR HGT PER: 00 0 X  
 SEA: 5EA  
 CL/TR: CL/TR  
 WIND-DIR 05: 05  
 WIND-SPD 06: 06  
 WIND-FRH: 06  
 WEATHER: X4  
 INST STO RECO: 0EA  
 TRACE DIR: 0  
 DURATION: 0  
 ORIG: 011 279  
 TEN SQ 1306: 2  
 SQUARE 46: 2  
 SQUARE 47: 1

CASHTM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.5	STD	0000	10.61	34.88	26.77	00.000	1492.4							
	08S	0001	10.61	34.860	26.77		1492.5							
	STD	0010	10.61	34.91	26.80	00.013	1492.6							
	08S	0011	10.61	34.915	26.80		1492.7							
	STD	0020	10.61	34.90	26.79	00.025	1492.8							
	08S	0021	10.61	34.900	26.79		1492.9							
	STD	0030	10.59	34.87	26.77	00.036	1492.7							
	08S	0031	10.59	34.867	26.77		1492.7							
	STD	0035	10.50	35.05	26.85	00.063	1494.5							
	08S	0036	10.52	35.067	26.86		1494.6							
	STD	0039	11.19	35.27	26.97	00.092	1496.2							
	08S	0040	11.14	35.270	26.97		1496.2							
	STD	0043	11.02	35.27	27.00	00.120	1496.3							
	08S	0044	11.01	35.266	27.00		1496.0							
	STD	0048	10.83	35.27	27.03	00.147	1495.8							
	08S	0049	10.83	35.270	27.04		1495.8							
	STD	0053	10.70	35.21	27.01	00.174	1495.5							
	08S	0054	10.70	35.210	27.01		1495.6							
	STD	0058	10.66	35.220	27.02		1496.0							
	08S	0059	11.55	35.610	27.09		1501.0							
	STD	0103	12.08	35.61	27.07	00.226	1501.8							
	08S	0104	12.08	35.610	27.07		1501.8							
	STD	0108	12.07	35.615	27.07		1502.0							
	08S	0109	11.41	35.412	27.04		1499.6							
	STD	0113	11.36	35.400	27.04		1499.5							
	08S	0114	11.38	35.414	27.05		1499.6							
	STD	0118	10.88	35.290	27.04		1497.8							
	08S	0119	10.57	35.360	27.15		1496.9							
	STD	0123	10.84	35.400	27.13		1496.0							
	08S	0124	10.79	35.343	27.14		1497.8							
	STD	0128	10.71	35.38	27.14	00.279	1497.5							
	08S	0129	10.25	35.280	27.15		1495.8							
	STD	0133	10.20	35.275	27.15		1495.7							
	08S	0134	09.53	35.080	27.11		1493.2							
	STD	0138	09.47	35.377	27.12		1495.0							
	08S	0139	09.09	35.030	27.15		1491.5							
	STD	0143	09.00	35.020	27.15		1491.2							
	08S	0144	08.32	34.870	27.14		1488.5							
	STD	0148	08.26	34.937	27.20		1488.4							
	08S	0149	08.08	34.880	27.19		1487.7							
	STD	0153	08.11	34.890	27.19		1487.9							
	08S	0154	08.36	34.935	27.19		1489.0							
	STD	0158	08.35	34.920	27.18		1489.0							
	08S	0159	08.01	34.870	27.19		1487.6							
	STD	0203	07.98	34.87	27.20	00.327	1487.6							
	08S	0204	07.97	34.870	27.20		1487.6							
	STD	0208	07.58	34.870	27.25		1486.5							
	08S	0209	07.12	34.840	27.30		1485.1							
	STD	0213	06.82	34.780	27.29		1483.9							
	08S	0214	06.54	34.850	27.33		1484.8							
	STD	0218	06.75	34.85	27.36	00.414	1484.4							
	08S	0219	06.74	34.850	27.36		1484.4							
	STD	0223	06.70	34.880	27.39		1484.7							
	08S	0224	07.08	35.057	27.47		1486.9							
	STD	0228	07.12	35.070	27.48		1487.4							
	08S	0229	06.66	35.060	27.51		1486.8							
	STD	0233	06.80	35.05	27.51	00.486	1486.6							
	08S	0234	06.32	34.975	27.51		1484.8							
	STD	0238	06.22	34.940	27.50		1484.5							
	08S	0239	05.54	35.33 P	27.61 G									
	STD	0243	05.59	34.940	27.58		1482.8							
	08S	0244	05.46	34.91	27.58	00.549	1482.7							
	STD	0248	05.10	34.920	27.59		1482.5							
	08S	0249	05.06	34.920	27.62		1481.6							
	STD	0253	04.97	34.920	27.64		1481.5							
	08S	0254	05.03	35.030	27.72		1481.3							
	STD	0258	04.94	35.04	27.73	00.602	1482.4							
	08S	0259	04.93	35.037	27.73		1482.4							
	STD	0303	04.62	35.020	27.73		1482.3							
	08S	0304	04.72	35.020	27.74		1482.3							
	STD	0307	04.75	35.04 P	27.76 G									
	08S	0308	04.66	34.96	27.76	00.649	1482.6							
	STD	0311	04.65	35.02 P	27.76 G									
	08S	0312	04.48	34.940	27.71		1482.4							
	STD	0315	04.41	34.930	27.71		1482.5							
	08S	0316	04.36	34.920	27.71		1482.6							
	STD	0319	04.33	34.93	27.72	00.696	1483.0							
	08S	0320	04.33	34.930	27.72		1483.0							
	STD	0323	04.32	34.930	27.72		1483.4							
	08S	0324	04.29	34.940	27.73		1483.8							
	STD	0327	04.27	34.940	27.73		1484.1							
	08S	0328	04.23	34.93	27.73	00.746	1484.0							
	STD	0331	04.23	34.933	27.73		1484.3							
	08S	0332	04.20	34.930	27.73		1484.4							
	STD	0335	04.21	34.930	27.73		1484.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOOC STATION DATA																			
REFID	SI	BS33	YEAR	1973	BOIDP	03367	AIR TEMP	06.0	DIR	HGT	PER	WIND-DIR	34	INST	STD	RECORDER	TEN	SQ	1306
CONSEC	0295	MDYTH	05	SHIP	EV	WET	BULB	07.8	04	2	3	WIND-SPD	04	TRACE	DIR	0	5	SQUARE	2
LAT	4° 29' N	DAY	20	DATA	USE	1	BAROMETER	1018.2	SEA			WIND-FDR		GURATION			2	SQUARE	4E
LONG	075 09 W	MOJY	03.6	AREA	US		CLOUD	T/A	CL/T/A			WEATHER	X4	ORIG	011	280	1	SQUARE	4E
CASINUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNJ	VEL	OXYG	PO4	TOT P	NO2	NO3	SIU3	PH				
13.8	STC	00000	05.28	35.20	26.24	00.000		1465.8											
	OBS	00001	05.28	35.200	26.24			1465.8											
	STC	00010	05.16	35.20	26.25	00.018		1465.4											
	OBS	00011	05.16	35.200	26.25			1465.5											
	STC	00020	05.27	35.20	26.24	00.036		1470.0											
	OBS	00021	05.28	35.200	26.24			1470.1											
	OBS	00022	04.61	35.135	26.24			1466.1											
	OBS	00024	03.54	35.974	26.24			1462.6											
	OBS	00026	02.65	35.260	26.57			1455.1											
	STC	00033	02.34	35.35	26.65	00.052		1458.0											
	OBS	00033	02.30	35.340	26.66			1457.8											
	OBS	00034	02.01	35.497	26.74			1456.7											
	OBS	00038	02.01	35.440	26.76			1456.9											
	OBS	00040	01.73	35.550	26.64			1455.7											
	OBS	00044	01.55	35.608	26.41			1455.2											
	STC	00050	01.56	35.61	26.42	00.077		1455.7											
	OBS	00051	01.54	35.650	26.44			1455.4											
	OBS	00053	02.18	35.714	26.45			1456.7											
	OBS	00055	02.29	35.735	26.51			1458.7											
	OBS	00057	02.63	35.762	26.47			1460.3											
	OBS	00060	02.78	35.820	26.95			1461.1											
	OBS	00064	02.32	35.790	27.00			1459.1											
	OBS	00068	01.24	35.700	27.01			1454.2											
	OBS	00070	01.20	35.750	27.03			1454.1											
	OBS	00072	01.50	35.755	27.03			1455.5											
	STC	00075	01.50	35.80	27.07	00.104		1455.7											
	OBS	00076	01.53	35.820	27.08			1455.6											
	OBS	00075	01.73	35.853	27.10			1456.8											
	OBS	00065	02.23	35.910	27.10			1459.2											
	OBS	00085	02.12	35.910	27.11			1456.8											
	OBS	00053	02.32	35.905	27.09			1455.7											
	OBS	00055	03.19	34.045	27.13			1463.8											
	STC	00103	01.23	34.04	27.12	00.128		1463.8											
	OBS	00100	03.21	34.035	27.12			1463.5											
	OBS	00119	02.75	34.035	27.15			1462.4											
	STC	00125	03.53	34.17	27.19	00.152		1465.8											
	OBS	00125	03.57	34.170	27.19			1466.0											
	OBS	00127	03.64	34.160	27.18			1466.5											
	OBS	00135	03.30	34.150	27.20			1465.0											
	OBS	00129	02.75	34.130	27.24			1462.6											
	OBS	00140	02.77	34.160	27.26			1462.8											
	OBS	00146	03.61	34.240	27.24			1466.0											
	STC	00150	03.75	34.24	27.23	00.173		1467.4											
	OBS	00150	03.81	34.245	27.23			1467.5											
	OBS	00165	04.02	34.240	27.20			1468.0											
	OBS	00169	04.35	34.374	27.28			1470.2											
	OBS	00175	04.25	34.345	27.26			1470.1											
	OBS	00177	04.27	34.340	27.26			1470.0											
	OBS	00182	03.52	34.244	27.26			1468.8											
	OBS	00165	04.14	34.386	27.31			1465.7											
	OBS	00150	04.16	34.380	27.30			1469.8											
	OBS	00196	05.45	34.580	27.31			1475.5											
	STC	00200	06.24	34.75	27.32	00.215		1475.2											
	OBS	00207	07.05	34.665	27.33			1482.5											
	OBS	00204	07.06	34.670	27.33			1462.6											
	OBS	00215	07.51	34.940	27.22			1464.5											
	OBS	00226	07.50	34.925	27.31			1464.6											
	OBS	00230	07.38	34.820	27.32			1464.2											
	OBS	00234	06.45	34.777	27.31			1461.2											
	OBS	00237	06.20	34.710	27.32			1475.4											
	OBS	00241	05.45	34.662	27.33			1476.4											
	OBS	00249	04.37	34.440	27.32			1471.8											
	STC	00253	04.26	34.42	27.32	00.254		1471.3											
	OBS	00253	03.75	34.367	27.33			1465.3											
	OBS	00257	03.45	34.370	27.36			1467.5											
	OBS	00266	04.80	34.555	27.40			1474.0											
	OBS	00270	04.88	34.620	27.41			1474.4											
	OBS	00277	04.65	34.627	27.44			1473.8											
	STC	00300	05.08	34.87	27.59	00.288		1476.1											
	OBS	00340	05.63	34.930	27.57			1479.1											
	OBS	00342	05.65	34.920	27.55			1475.2											
	OBS	00350	04.68	34.770	27.55			1475.2											
	OBS	00356	03.23	34.570	27.54			1468.9											
	OBS	00363	03.22	34.575	27.55			1469.0											

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A														
CASSTN/JM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
085		00307	02.23	34.405	27.50			1404.0						
085		00375	02.26	34.510	27.58			1405.0						
085		00360	02.23	34.455	27.60			1405.8						
085		00362	02.27	34.52 P	27.500*									
085		00366	02.29 P	34.710	27.680									
085		00368	02.29	34.81 P	27.720									
085		00350	02.25	34.725	27.62 *			1471.4						
085		00357	04.51	34.660	27.64			1475.4						
085	STC	00400	04.61	34.80	27.63	00.341		1475.0						
085		00428	04.68	34.665	27.63			1476.1						
085		00428	04.68	34.920	27.65			1477.4						
085		00451	04.67	34.515	27.63			1478.2						
085		00475	04.57	34.555	27.65			1478.2						
085		00479	04.93	34.920	27.64			1478.5						
085		00489	04.41	34.920	27.70			1476.5						
085		00493	04.18	34.920	27.73			1475.6						
085	STO	00500	04.37	34.94	27.72	00.388		1476.6						
085		00500	04.41	34.957	27.71			1476.7						
085		00504	04.73	35.02 P	27.740									
085		00521	04.86	35.06 P	27.760									
085		00529	04.69	34.937	27.68 *			1478.4						
085		00550	04.41	34.940	27.72			1477.6						
085		00576	04.47	34.51 P	27.690*									
085	STO	00600	04.30	34.52	27.71	00.433		1477.9						
085		00601	04.20	34.55 P	27.740									
085		00626	04.36	34.510	27.70 *			1478.0						
085		00651	04.19	34.920	27.71			1476.7						
085		00677	04.34	34.535	27.72			1475.4						
085	STO	00700	04.19	34.54	27.74	00.478		1475.1						
085		00702	04.18	34.940	27.74			1475.1						
085		00725	04.20	34.920	27.72			1475.6						
085		00750	04.23	34.930	27.73			1480.1						
085		00776	04.16	34.920	27.73			1480.3						
085	STO	00800	04.18	34.53	27.73	00.522		1463.7						
085		00801	04.18	34.930	27.73			1480.8						
085		00826	04.17	34.920	27.73			1481.1						
085		00850	04.09	34.920	27.73			1481.2						
085		00873	04.10	34.920	27.73			1481.6						
085	STO	00900	04.02	34.92	27.74	00.568		1481.7						
085		00900	04.02	34.55 P	27.770									
085		00925	04.02	34.915	27.74 *			1482.1						
085		00951	04.14	34.940	27.75			1483.1						
085		00976	04.12	34.940	27.75			1483.4						
085	STO	01000	04.08	34.53	27.74	00.613		1483.7						
085		01000	04.08	34.930	27.74			1482.7						
085		01020	04.13	34.943	27.75			1484.2						

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOO C S T A T I O N O A T A

REFID 31 855 YEAR 1973 BOTOP 05005 AIR TEMP 12.5 OIR MGT PER WIND-GIR 33 INST STO RECORDER TEN SQ 130c  
 CONSEC 0056 MONTH 05 SHIP EV WET BULB 11.0 07 0 3 WIND-SPO 03 TRACE OIR 0 5 SQUARE 2  
 LAT 44 34 N DAY 20 DATA USE 1 BAROMETR 1318.6 SEA WIND-FOR WIND-FOR 2 SQUARE 48  
 LONG 048 27 W HOUR 17.0 AREA 05 CLOUD T/A CL/7R WEATHER A4 ORIG 011 281 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
17.0	STO	00030	04.45	33.37	26.23	00.000	1466.2							
	GBS	00031	04.45	33.070	26.23		1466.2							
	GBS	00033	04.45	33.100	26.25		1466.3							
	STO	00010	03.56	33.14	26.34	00.017	1464.3							
	GBS	00011	03.66	33.130	26.35		1466.0							
	GBS	00016	03.53	33.144	26.38		1462.7							
	STO	00020	03.45	33.04	26.30	00.055	1462.2							
	GBS	00024	02.24	32.587	26.37		1457.0							
	GBS	00026	01.35	33.163	26.59		1433.3							
	GBS	00028	03.55	33.180	26.61		1451.6							
	STO	00030	00.86	33.20	25.63	00.050	1451.2							
	GBS	00030	00.63	33.208	26.64		1431.1							
	GBS	00034	03.01	33.207	26.65		1450.2							
	GBS	00036	00.56	33.310	26.73		1450.2							
	GBS	00036	00.72	33.325	26.74		1450.9							
	GBS	00045	00.72	33.322	26.74		1451.0							
	GBS	00047	00.43	33.340	26.77		1449.7							
	GBS	00049	- 0.04	33.350	26.78		1447.6							
	STO	00050	- 0.07	33.34	26.79	00.077	1447.5							
	GBS	00051	- 0.13	33.347	26.80		1447.2							
	GBS	00053	- 0.15	33.340	26.80		1447.2							
	GBS	00070	- 0.78	33.540	26.58		1446.9							
	STO	00075	- 0.53	33.55	27.00	00.106	1444.2							
	GBS	00076	- 0.54	33.550	27.00		1444.2							
	GBS	00081	- 0.62	33.680	27.10		1445.0							
	GBS	00095	- 0.53	33.810	27.19		1446.7							
	STO	00100	- 0.44	33.81	27.19	00.131	1447.3							
	GBS	00100	- 0.33	33.813	27.19		1447.7							
	STO	00125	00.14	34.01	27.32	00.151	1450.6							
	GBS	00125	00.15	34.016	27.33		1450.7							
	STO	00150	00.64	34.17	27.42	00.165	1453.5							
	GBS	00150	00.63	34.170	27.42		1453.6							
	GBS	00173	01.13	34.280	27.48		1456.4							
	GBS	00180	01.58	34.310	27.49		1457.6							
	GBS	00186	02.14	34.390	27.49		1461.1							
	STO	00200	02.35	34.48	27.57	00.195	1461.2							
	GBS	00201	02.08	34.495	27.58		1461.2							
	GBS	00215	02.17	34.537	27.61		1461.9							
	GBS	00217	02.51	34.380	27.62		1463.5							
	GBS	00222	02.67	34.600	27.62		1464.3							
	GBS	00228	03.35	34.700	27.63		1467.5							
	GBS	00234	04.21	34.850	27.67		1471.4							
	GBS	00236	04.43	34.665	27.65		1472.4							
	GBS	00247	04.21	34.860	27.67		1471.6							
	GBS	00249	04.48	34.870	27.65		1472.8							
	STO	00250	04.49	34.87	27.65	00.224	1472.8							
	GBS	00251	04.51	34.863	27.64		1472.9							
	GBS	00257	05.31	33.03 P	27.680									
	GBS	00276	04.75	34.87 P	27.624*									
	STO	00300	04.64	34.94	27.69	00.248	1474.4							
	GBS	00300	04.64	34.540	27.69		1474.4							
	GBS	00319	04.56	34.540	27.70		1474.4							
	GBS	00327	04.35	34.500	27.69		1473.6							
	GBS	00350	04.50	34.923	27.69		1474.6							
	GBS	00375	04.45	34.530	27.70		1474.8							
	STO	00400	04.71	34.57	27.70	00.292	1476.4							
	GBS	00401	04.72	34.967	27.70		1476.4							
	GBS	00426	04.64	34.940	27.69		1476.5							
	GBS	00451	04.55	34.540	27.70		1476.5							
	GBS	00475	04.31	34.540	27.70		1476.8							
	STO	00500	04.43	34.94	27.71	00.337	1476.8							
	GBS	00500	04.43	34.940	27.71		1476.8							
	GBS	00525	04.43	34.540	27.71		1477.2							
	GBS	00534	04.47	34.940	27.71		1477.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 51 8355 YEAR 1973 BOTOP 02512 AIR TEMP 08.0 OIR HGT PER WIND-OIR 35 INST STD RECORDER TEN SW 1300  
 COYSEC 0297 MONTH 05 SHIP EV WET DULB 00.8 28 1 3 WIND-SPD 11 TRACE DJR 0 5 SQUARE 2  
 LAT 37 N DAY 20 DATA USE 1 BAROMETR 1018.3 SEA CL/TR WIND-FDR DURATION 2 SQUARE 6  
 LONG 048 W HOUR 16.9 AREA 05 CLOUD T/A WEAHTHER X2 ORIO 011 282 1 SQUARE 46

CASHTN/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	QYNDPTH	SND VEL	OXYG	PJA	TOT P	NO2	NO3	S103	PH
18.5	STO	00000	04.26	35.22	26.36	00.000	1465.6							
	OBS	00005	04.28	35.216	26.36		1465.7							
	OBS	00005	04.38	35.225	26.36		1466.2							
	STO	00010	04.38	35.22	26.38	00.017	1465.0							
	OBS	00011	03.88	35.210	26.40		1464.1							
	OBS	00013	03.52	35.199	26.42		1462.6							
	OBS	00017	03.31	35.212	26.45		1461.8							
	STO	00020	03.03	35.18	26.46	00.033	1460.6							
	OBS	00020	02.52	35.177	26.46		1460.1							
	OBS	00024	02.38	35.178	26.51		1457.8							
	OBS	00028	02.27	35.207	26.54		1457.4							
	STO	00030	01.63	35.24	26.61	00.048	1454.7							
	OBS	00030	01.55	35.246	26.62		1454.4							
	OBS	00038	00.64	35.355	26.77		1450.6							
	OBS	00040	00.14	35.350	26.79		1448.3							
	OBS	00041	- 0.10	35.410	26.85		1447.3							
	STO	00050	- 0.21	35.53	26.95	00.072	1447.1							
	OBS	00051	- 0.23	35.552	26.97		1447.1							
	OBS	00053	- 0.03	35.540	26.96		1445.4							
	OBS	00055	- 0.63	35.552	26.99		1445.3							
	STO	00075	- 0.06	35.75	27.12	00.095	1446.4							
	OBS	00076	- 0.03	35.763	27.13		1448.7							
	OBS	00083	00.35	35.880	27.21		1450.7							
	OBS	00097	00.85	35.920	27.29		1453.4							
	OBS	00099	01.50	35.940	27.28		1455.5							
	STO	00100	01.12	35.92	27.27	00.121	1454.7							
	OBS	00100	01.02	35.920	27.28		1454.2							
	OBS	00102	00.57	35.950	27.31		1454.1							
	OBS	00106	01.42	35.153	27.32		1458.6							
	OBS	00110	01.75	35.155	27.52		1457.6							
	OBS	00116	01.14	35.125	27.55		1456.0							
	OBS	00123	03.53	35.370	27.35		1466.1							
	STO	00125	03.48	35.38	27.37	00.140	1465.9							
	OBS	00125	03.46	35.380	27.37		1465.0							
	OBS	00133	03.25	35.360	27.37		1465.0							
	STO	00150	04.25	35.58	27.45	00.158	1465.8							
	OBS	00150	04.25	35.580	27.45		1465.8							
	OBS	00156	04.07	35.553	27.48		1467.2							
	OBS	00163	04.39	35.640	27.48		1470.7							
	OBS	00169	04.05	35.555	27.48		1469.2							
	OBS	00173	04.69	35.740	27.50		1473.1							
	OBS	00175	04.50	35.737	27.50		1473.1							
	OBS	00195	04.88	35.810	27.50		1473.6							
	STO	00200	04.87	35.81	27.56	00.188	1473.5							
	OBS	00205	04.33	35.710	27.54		1471.2							
	OBS	00213	03.70	35.590	27.51		1468.5							
	OBS	00220	03.59	35.590	27.52		1466.3							
	OBS	00226	02.58	35.530	27.53		1465.6							
	OBS	00232	03.05	35.690	27.65		1466.4							
	OBS	00237	04.54	35.860	27.64		1472.8							
	OBS	00245	04.93	35.903	27.63		1474.6							
	STO	00250	04.56	35.91	27.63	00.215	1474.5							
	OBS	00251	04.57	35.918	27.64		1474.9							
	OBS	00276	05.04	35.935	27.64		1475.6							
	STO	00300	04.80	35.93	27.66	00.239	1475.0							
	OBS	00300	04.79	35.930	27.67		1475.0							
	OBS	00325	04.57	35.930	27.69		1474.5							
	OBS	00350	04.55	35.935	27.69		1475.0							
	OBS	00375	04.66	35.920	27.67		1475.8							
	STO	00400	04.51	35.94	27.70	00.285	1475.5							
	OBS	00405	04.51	35.940	27.70		1475.6							
	OBS	00426	04.63	35.940	27.69		1476.4							
	OBS	00451	04.55	35.943	27.70		1476.7							
	OBS	00475	04.57	35.950	27.71		1477.0							
	STO	00500	04.47	35.94	27.71	00.325	1477.0							
	OBS	00500	04.47	35.940	27.71		1477.0							
	OBS	00525	04.36	35.940	27.72		1476.6							
	OBS	00550	04.33	35.930	27.72		1477.2							
	OBS	00576	04.29	35.930	27.72		1477.5							
	STO	00600	04.30	35.94	27.73	00.374	1477.4							
	OBS	00601	04.30	35.940	27.73		1476.0							
	OBS	00626	04.29	35.940	27.73		1476.3							
	OBS	00651	04.25	35.930	27.73		1476.6							
	OBS	00675	04.21	35.930	27.73		1476.8							
	STO	00700	04.20	35.94	27.74	00.416	1476.4							
	OBS	00700	04.20	35.940	27.74		1476.4							
	OBS	00725	04.17	35.933	27.74		1475.5							
	OBS	00750	04.14	35.930	27.74		1475.7							
	OBS	00776	04.12	35.930	27.74		1480.1							
	STO	00800	04.07	35.92	27.74	00.461	1480.3							
	OBS	00801	04.07	35.920	27.74		1480.2							
	OBS	00826	04.04	35.920	27.74		1480.6							
	OBS	00850	04.02	35.910	27.73		1480.5							
	OBS	00877	03.96	35.910	27.74		1481.1							
	STO	00900	03.95	35.95	27.77	00.505	1481.5							
	OBS	00900	03.95	35.947	27.77		1481.5							
	OBS	00925	03.93	35.940	27.77		1481.0							
	OBS	00951	03.86	35.940	27.77		1481.5							
	OBS	00976	03.86	35.940	27.77		1482.4							
	STO	01000	03.84	35.93	27.77	00.546	1482.6							
	OBS	01001	03.84	35.930	27.77		1482.7							
	OBS	01024	03.84	35.937	27.77		1482.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

REF ID		YEAR		STATION		AIR TEMP		DIR HGT PER		WIND-DIR		INST STD RECORDER		TEN SQ	
CONSEC		MONTH		SHIP EV		WET BULB		11 0 3		WIND-SFC		TRACE DIR		5 SQUARE	
LAT		DAY		DATA USE		BAROMETR		SEA		WIND-FOR		TRACIOM		2 SQUARE	
LONG		HOUR		AREA		CLOUD T/A		CL/7A		WEATHER		ORIG 011 263		1 SQUARE	
N O C C S T A T I O N O A T A															
CAST/HR/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNQ VCL	DAYU	PO4	TOT P	NO2	NO3	SIG3	PH	
20.1	STD	00000	02.94	33.10	26.40	00.000	1459.8								
	085	00003	02.94	33.100	26.40		1459.8								
	085	00005	02.93	33.108	26.41		1459.8								
	085	00009	02.24	33.025	26.40		1458.8								
	STD	00010	02.15	33.06	26.43	00.016	1458.4								
	085	00011	01.93	33.147	26.52		1455.6								
	STD	00020	01.42	33.21	26.60	00.031	1453.0								
	085	00020	01.35	33.215	26.61		1453.5								
	085	00022	01.34	33.213	26.61		1453.3								
	STD	00030	01.26	33.20	26.61	00.046	1453.0								
	085	00032	00.95	33.195	26.62		1451.8								
	085	00034	00.65	33.300	26.72		1450.5								
	085	00036	00.58	33.350	26.77		1450.2								
	085	00038	00.68	33.468	26.86		1450.9								
	085	00040	00.72	33.465	26.85		1451.1								
	085	00043	00.55	33.486	26.88		1450.8								
	085	00045	00.13	33.450	26.87		1448.5								
	STD	00050	- 0.19	33.53	26.95	00.071	1447.4								
	085	00051	- 0.25	33.557	26.98		1447.0								
	085	00055	- 0.25	33.620	27.03		1446.9								
	085	00055	- 0.37	33.685	27.07		1448.1								
	085	00062	00.33	33.715	27.07		1450.1								
	085	00064	00.51	33.760	27.10		1451.0								
	085	00068	00.70	33.820	27.14		1452.0								
	085	00070	00.16	33.800	27.15		1445.6								
	085	00074	00.34	33.818	27.17		1445.1								
	STD	00075	00.13	33.83	27.18	00.097	1449.5								
	085	00076	00.22	33.847	27.19		1450.0								
	085	00076	00.30	33.868	27.21		1450.4								
	085	00075	00.66	33.930	27.23		1452.1								
	085	00081	00.77	33.947	27.24		1452.7								
	085	00083	01.13	34.010	27.26		1454.4								
	085	00085	01.16	34.000	27.25		1454.8								
	085	00087	01.38	34.035	27.27		1455.6								
	085	00091	01.11	34.050	27.28		1454.5								
	085	00093	01.23	34.035	27.28		1455.1								
	STD	00100	02.28	34.15	27.25	00.116	1460.0								
	085	00100	02.33	34.160	27.25		1460.2								
	085	00104	02.33	34.210	27.33		1460.3								
	085	00106	02.71	34.245	27.33		1462.1								
	085	00110	02.57	34.260	27.35		1461.7								
	085	00119	03.30	34.360	27.37		1465.0								
	085	00123	03.48	34.395	27.38		1465.9								
	STD	00125	03.42	34.38	27.37	00.137	1465.6								
	085	00125	03.39	34.375	27.37		1465.5								
	085	00127	03.61	34.350	27.36		1466.5								
	085	00134	03.65	34.395	27.36		1466.8								
	085	00140	03.52	34.360	27.36		1466.3								
	085	00144	02.55	34.317	27.37		1463.6								
	STD	00150	02.46	34.34	27.43	00.154	1461.5								
	085	00150	02.47	34.347	27.43		1461.9								
	085	00152	02.43	34.360	27.44		1461.9								
	085	00155	02.46	34.310	27.47		1466.5								
	085	00175	04.53	34.657	27.51		1471.5								
	STD	00200	05.25	34.82	27.55	00.185	1474.5								
	085	00201	05.26	34.820	27.55		1474.0								
	085	00222	04.56	34.810	27.55		1474.4								
	085	00234	04.42	34.725	27.54		1472.4								
	085	00235	04.36	34.750	27.55		1471.9								
	STD	00250	04.09	34.72	27.56	00.213	1471.0								
	085	00251	04.07	34.723	27.56		1470.9								
	085	00276	04.12	34.740	27.59		1471.6								
	STD	00300	04.24	34.84	27.65	00.239	1472.6								
	085	00300	04.24	34.840	27.66		1472.6								
	085	00323	04.46	34.875	27.68		1473.4								
	085	00323	04.52	34.860	27.66		1473.5								
	085	00352	04.40	34.913	27.68		1474.1								
	085	00375	04.61	34.940	27.69		1474.5								
	STD	00400	04.57	34.95	27.71	00.285	1474.8								
	085	00401	04.57	34.950	27.71		1475.0								
	085	00426	04.45	34.935	27.71		1475.7								
	085	00451	04.41	34.940	27.72		1475.9								
	085	00475	04.45	34.920	27.70		1476.5								
	STD	00500	04.48	34.93	27.70	00.330	1477.0								
	085	00500	04.48	34.930	27.70		1477.0								
	STD	00600	04.47	34.95	27.72	00.376	1476.6								
	085	00607	04.43	34.950	27.72		1476.7								
	085	00610	04.33	34.940	27.72		1478.0								
	085	00651	04.33	34.940	27.72		1474.0								
	085	00675	04.32	34.940	27.73		1474.3								
	STD	00700	04.25	34.93	27.73	00.421	1475.4								
	085	00700	04.23	34.930	27.73		1475.4								
	085	00725	04.23	34.930	27.73		1475.5								
	085	00750	04.39	34.910	27.73		1475.5								
	085	00776	04.35	34.937	27.75		1474.8								
	STD	00800	04.31	34.94	27.76	00.465	1480.0								
	085	00801	04.31	34.940	27.76		1480.1								
	085	00802	03.46	34.940	27.76		1480.3								
	085	00803	03.45	34.940	27.77		1480.6								
	085	00875	02.61	34.920	27.76		1480.9								
	STD	00900	03.40	34.93	27.76	00.507	1481.4								
	085	00902	03.40	34.930	27.76		1481.2								
	085	00903	03.40	34.930	27.77		1481.6								
	085	00951	03.47	34.920	27.77		1480.0								
	085	00976	03.48	34.940	27.77		1480.4								
	STD	01000	03.48	34.93	27.77	00.551	1480.7								
	085	01001	03.46	34.930	27.77		1482.6								
	085	01000	03.45	34.932	27.77		1483.0								

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
REFID	31	8-55	YEAR	1973	BOTOP	0.561	AIR TEMP	07.2	DIA MGT PER	#IND-DIR	34	INST STO RECORDER	TEN SQ	
CONSEC	0359		MONTH	05	SMI EV		NET BULB	07.2	14	0	2	TRACE DIR	0	
LAT	35	N	DAY	20	DATA USE		BAROMETR	1018.3	1.4	#IND-FOK		DURATION	2	
LONG	148	56	HR	21.7	AREA	05	CLOUD T/A		TL/TR	WEATHER	44	DRIG OIL	204	
1 SQUARE	2	5	1 SQUARE	48	2	1	SQUARE	48						
CASNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNPPTH	SNO VEL	ORYG	PC4	TOT P	NO2	NO3	SIGS	PH
21.7	STD	03000	04.35	33.14	26.30	03.000	1465.8							
	OBS	03005	04.35	33.142	26.30		1465.5							
	STD	03010	04.35	33.13	26.25	00.017	1466.0							
	OBS	03011	04.21	33.150	26.30		1465.4							
	OBS	03013	03.54	33.105	26.31		1464.3							
	STD	03020	03.74	33.14	26.30	10.035	1463.6							
	OBS	03020	03.73	33.145	26.30		1463.6							
	OBS	03024	03.70	33.140	26.34		1463.5							
	OBS	03026	03.04	33.147	26.43		1460.7							
	OBS	03026	01.87	33.010	26.41		1455.4							
	STD	03030	01.72	33.15	26.53	00.050	1455.0							
	OBS	03030	01.07	33.150	26.57		1454.8							
	OBS	03034	01.30	33.320	26.70		1453.4							
	OBS	03040	01.06	33.315	26.71		1452.4							
	OBS	03045	- 0.02	33.270	26.73		1447.6							
	STD	03050	- 0.45	33.32	26.80	00.078	1445.7							
	OBS	03051	- 0.50	33.340	26.81		1445.3							
	OBS	03068	- 0.87	33.540	26.59		1444.4							
	STD	03075	- 0.07	33.54	26.55	00.107	1444.5							
	OBS	03076	- 0.87	33.550	26.55		1444.5							
	STD	03100	- 0.55	33.79	27.17	00.132	1446.5							
	OBS	03100	- 0.58	33.752	27.18		1444.6							
	STD	03125	- 0.22	33.85	27.24	00.154	1448.8							
	OBS	03125	- 0.15	33.900	27.25		1449.0							
	OBS	03131	00.10	34.000	27.30		1451.0							
	OBS	03137	00.61	34.067	27.34		1453.0							
	OBS	03140	00.74	34.150	27.43		1454.1							
	OBS	03142	01.30	34.250	27.44		1450.5							
	STD	03150	01.55	34.24	27.42	00.173	1457.7							
	OBS	03150	01.56	34.235	27.41		1457.7							
	OBS	03152	01.45	34.215	27.41		1457.5							
	OBS	03156	01.70	34.240	27.41		1458.5							
	OBS	03165	02.70	34.375	27.44		1463.2							
	OBS	03175	02.67	34.467	27.51		1463.3							
	OBS	03177	03.05	34.510	27.51		1465.0							
	STD	03180	03.50	34.580	27.51		1467.4							
	OBS	03200	03.89	34.659	27.57	00.203	1466.3							
	OBS	03209	04.02	34.720	27.58		1470.0							
	OBS	03226	04.21	34.750	27.57		1471.1							
	STD	03250	04.17	34.72	27.67	00.231	1471.3							
	OBS	03251	04.16	34.720	27.57		1471.5							
	OBS	03277	03.71	34.720	27.61		1465.8							
	OBS	03279	04.00	34.740	27.60		1471.1							
	OBS	03295	03.77	34.720	27.61		1470.3							
	STD	03300	03.61	34.71	27.61	00.257	1465.7							
	OBS	03300	03.57	34.705	27.62		1465.6							
	OBS	03304	03.33	34.733	27.66		1468.7							
	OBS	03314	03.46	34.720	27.64		1465.5							
	OBS	03317	03.71	34.750	27.64		1470.5							
	OBS	03323	03.48	34.723	27.64		1465.6							
	OBS	03325	03.45	34.727	27.65		1465.5							
	OBS	03350	03.50	34.860	27.71		1472.0							
	OBS	03375	04.04	34.853	27.69		1473.0							
	STD	03400	04.10	34.52	27.73	00.304	1474.0							
	OBS	03401	04.10	34.520	27.73		1474.0							
	OBS	03426	04.12	34.520	27.73		1474.3							
	OBS	03451	04.05	34.520	27.73		1474.6							
	OBS	03475	04.12	34.540	27.75		1475.1							
	STD	03500	04.15	34.52	27.75	00.346	1475.6							
	OBS	03500	04.15	34.527	27.73		1475.6							
	OBS	03525	04.17	34.524	27.75		1476.1							
	OBS	03550	04.10	34.534	27.74		1476.5							
	OBS	03576	04.14	34.934	27.74		1476.5							
	STD	03600	04.12	34.93	27.74	00.385	1477.2							
	OBS	03601	04.12	34.934	27.74		1477.2							
	OBS	03626	04.11	34.944	27.75		1477.6							
	OBS	03651	04.10	34.925	27.74		1477.9							
	OBS	03675	04.05	34.934	27.75		1476.1							
	STD	03700	04.10	34.94	27.75	00.431	1478.7							
	OBS	03704	04.10	34.945	27.75		1478.8							
	OBS	03725	04.04	34.914	27.73		1479.1							
	OBS	03750	04.06	34.944	27.75		1475.5							
	OBS	03776	04.03	34.940	27.76		1475.7							
	STD	03800	04.02	34.94	27.76	00.474	1480.1							
	OBS	03801	04.02	34.940	27.76		1480.1							
	OBS	03828	04.00	34.940	27.76		1480.5							
	OBS	03850	03.99	34.940	27.76		1480.8							
	OBS	03877	03.94	34.940	27.76		1481.1							
	STD	03900	03.95	34.94	27.77	00.517	1481.5							
	OBS	03900	03.95	34.940	27.77		1481.5							
	OBS	03925	03.94	34.940	27.77		1481.8							
	OBS	03951	03.96	34.940	27.76		1482.4							
	OBS	03976	03.95	34.950	27.77		1482.7							
	STD	01000	03.94	34.94	27.77	00.560	1483.1							
	OBS	01001	03.94	34.940	27.77		1483.1							
	OBS	01022	03.87	34.930	27.77		1483.1							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

A C C O S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 00840 AIP TEMP 09.2 DIR FCT PER #IND-DIR 05 IAST STO RECODER TEN 30 1306  
 CONSEC 0100 MONTH 05 SHIP EV WET BULB 07.4 MET BULB 07.4 WIND-SPD 15 TRACE CIR L 5 SQUARE 2  
 LAT 44 40 N DAY 20 DATA USE 1 BAROMETR 1018.3 SEA 5A URIG 011 265 4 SQUARE 46  
 LONG 048 55 W HGUN 23.0 AREA 05 CLOUD T/A C/LTR WEATHER X2

LASTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	CRYG	PJ4	TCT P	NC2	NC3	S103	PH
23.0	STO	00000	04.72	33.21	26.51	00.000	1467.5							
	OBS	00003	04.72	33.210	26.31		1467.5							
	OBS	00005	04.82	33.217	26.31		1468.0							
	OBS	00009	04.40	33.214	26.55		1466.3							
	STO	00010	04.34	33.21	26.34	00.017	1466.3							
	OBS	00011	04.27	33.195	26.34		1466.2							
	STO	00020	04.07	33.21	26.38	00.034	1465.1							
	OBS	00020	04.01	33.215	26.39		1464.8							
	STO	00030	03.13	33.19	26.45	00.050	1461.2							
	OBS	00030	03.11	33.187	26.45		1461.1							
	OBS	00036	03.07	33.310	26.55		1461.2							
	OBS	00038	02.94	33.325	26.58		1460.7							
	OBS	00043	00.94	33.335	26.74		1452.0							
	OBS	00047	00.78	33.340	26.75		1451.3							
	OBS	00049	00.30	33.342	26.78		1449.2							
	STO	00050	00.21	33.35	26.78	00.075	1448.8							
	OBS	00051	00.00	33.357	26.80		1447.9							
	OBS	00064	- 0.17	33.503	26.93		1447.5							
	STO	00075	- 0.15	33.55	26.46	00.108	1447.6							
	OBS	00076	- 0.19	33.552	26.57		1447.7							
	OBS	00079	- 0.14	33.578	26.99		1446.0							
	OBS	00089	- 0.72	33.678	27.09		1445.6							
	STO	00100	- 0.45	33.82	27.20	00.133	1447.2							
	OBS	00100	- 0.42	33.830	27.20		1447.4							
	OBS	00116	00.13	33.910	27.24		1450.3							
	STO	00125	00.01	33.99	27.32	00.153	1450.0							
	OBS	00125	00.01	34.000	27.32		1450.0							
	STO	00150	00.53	34.16	27.42	00.171	1453.0							
	OBS	00150	00.54	34.160	27.42		1453.1							
	OBS	00163	01.10	34.245	27.45		1455.9							
	OBS	00175	02.19	34.380	27.48		1461.1							
	OBS	00180	02.48	34.400	27.47		1462.5							
	OBS	00188	02.62	34.380	27.45		1463.2							
	STO	00200	01.91	34.38	27.50	00.203	1460.3							
	OBS	00201	01.84	34.378	27.51		1460.0							
	OBS	00228	02.03	34.440	27.56		1461.5							
	STO	00250	02.41	34.51	27.57	00.232	1463.5							
	OBS	00251	02.43	34.515	27.57		1463.6							
	OBS	00277	02.51	34.555	27.59		1466.2							
	STO	00300	03.17	34.72	27.67	00.257	1467.9							
	OBS	00300	03.18	34.720	27.67		1466.0							
	OBS	00325	03.35	34.740	27.66		1469.3							
	OBS	00334	03.63	34.835	27.71		1471.0							
	OBS	00375	03.70	34.850	27.72		1471.6							
	STO	00400	03.92	34.86	27.70	00.302	1472.5							
	OBS	00401	03.93	34.860	27.70		1472.0							
	OBS	00426	04.06	34.920	27.74		1474.0							
	OBS	00451	04.04	34.940	27.75		1474.6							
	OBS	00475	04.12	34.950	27.76		1475.1							
	STO	00500	04.13	34.92	27.73	00.345	1475.5							
	OBS	00503	04.13	34.917	27.73		1475.5							
	OBS	00525	04.18	34.930	27.73		1476.2							
	OBS	00550	04.07	34.924	27.74		1476.1							
	OBS	00576	04.09	34.933	27.74		1476.7							
	STO	00600	04.08	34.93	27.74	00.388	1477.0							
	OBS	00601	04.08	34.927	27.74		1477.0							
	OBS	00628	04.05	34.940	27.75		1477.4							
	OBS	00651	04.07	34.940	27.75		1477.8							
	OBS	00675	04.05	34.940	27.75		1478.1							
	STO	00700	04.04	34.94	27.76	00.430	1478.5							
	OBS	00700	04.04	34.940	27.76		1478.5							
	OBS	00725	04.02	34.930	27.75		1478.0							
	OBS	00750	04.03	34.933	27.75		1475.3							
	OBS	00776	04.02	34.930	27.75		1475.7							
	STO	00800	04.02	34.93	27.75	00.472	1480.1							
	OBS	00801	04.02	34.930	27.75		1480.1							
	OBS	00805	04.01	34.930	27.75		1480.1							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I D A O A T A

REFID 31 8355 YEAR 1973 BDTOP 00436 AIR TEMP 07.0 DIR HGT FER WIND-DIR 11 INST SIC RECORDER TEN SW 1306  
CDNSEC 0101 MONTH 05 SHIP EV WET BULB 05.5 36 2 2 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
LAT 44 41.5N DAY 21 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR CURATICA 2 SQUARE 48  
LONG 049 03 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER A2 CRIG 01 286 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIG3	PH
00.3	STU	00000	02.07	32.96	26.36	00.000	1455.4							
	DBS	00001	02.07	32.965	26.36		1455.4							
	DBS	00007	02.05	32.570	26.37		1455.4							
	STC	00010	01.60	32.97	26.36	00.017	1455.1							
	DBS	00011	01.73	32.980	26.40		1454.5							
	DBS	00015	01.70	33.010	26.46		1451.8							
	DBS	00017	00.99	33.143	26.58		1431.2							
	DBS	00019	00.44	33.180	26.64		1449.1							
	STU	00020	00.32	33.19	26.65	00.034	1448.6							
	DBS	00020	00.24	33.200	26.66		1448.2							
	DBS	00024	00.10	33.203	26.67		1447.7							
	DBS	00026	-0.19	33.192	26.68		1446.6							
	STC	00030	-1.01	33.25	26.75	00.045	1442.6							
	DBS	00030	-1.14	33.257	26.90		1443.5							
	DBS	00034	-1.29	33.344	26.84		1441.6							
	DBS	00038	-1.52	33.342	26.85		1440.5							
	DBS	00040	-1.55	33.345	26.85		1440.4							
	STU	00050	-1.43	33.44	26.92	00.069	1441.3							
	DBS	00051	-1.41	33.445	26.93		1441.4							
	STU	00075	-1.06	33.45	26.95	00.097	1443.5							
	DBS	00076	-1.05	33.490	26.95		1443.6							
	STU	00100	-0.95	33.55	27.00	00.125	1444.5							
	DBS	00100	-0.95	33.553	27.00		1444.5							
	STU	00125	-0.90	33.55	26.99	00.151	1445.2							
	DBS	00125	-0.90	33.546	26.99		1445.2							
	STU	00150	-0.72	33.65	27.07	00.177	1446.6							
	DBS	00150	-0.71	33.650	27.07		1446.6							
	DBS	00173	-0.19	33.640	27.20		1449.7							
	DBS	00177	00.12	33.855	27.23		1451.2							
	DBS	00194	01.48	34.117	27.33		1456.0							
	STU	00200	01.66	34.14	27.35	00.220	1458.5							
	DBS	00201	01.70	34.173	27.35		1459.1							
	DBS	00224	01.60	34.162	27.35		1459.0							
	DBS	00226	01.42	34.163	27.37		1458.3							
	DBS	00228	01.17	34.130	27.36		1457.2							
	DBS	00241	01.26	34.127	27.35		1457.8							
	DBS	00247	00.97	34.140	27.38		1456.6							
	STU	00250	00.98	34.16	27.39	00.256	1456.7							
	DBS	00251	00.98	34.165	27.40		1456.7							
	DBS	00253	01.01	34.160	27.39		1456.5							
	DBS	00255	01.66	34.287	27.45		1460.0							
	DBS	00257	01.90	34.350	27.48		1461.2							
	DBS	00266	01.64	34.380	27.52		1460.2							
	DBS	00276	01.82	34.385	27.51		1461.2							
	DBS	00297	02.00	34.425	27.53		1462.4							
	STU	00300	02.17	34.46	27.55	00.288	1463.2							
	DBS	00304	02.39	34.512	27.57		1464.5							
	DBS	00325	02.61	34.550	27.61		1465.5							
	DBS	00336	02.84	34.592	27.60		1466.4							

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REFID 31 8355 YEAR 1973 BDTOP 00066 AIR TEMP 05.0 DIR HGT PEP WIND-DIR 13 INST SIC RECORDER TEN SW 1306  
CDNSEC 0102 MONTH 05 SHIP EV WET BULB 04.3 15 2 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
LAT 44 44 N DAY 21 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR CURATICA 2 SQUARE 48  
LONG 049 09 W HOUR 01.4 AREA 05 CLOUD T/A CL/TR WEATHER A2 CRIG 01 287 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIG3	PH
01.4	STU	00000	02.03	33.00	26.39	00.000	1455.5							
	DBS	00003	02.00	33.000	26.39		1455.6							
	DBS	00007	01.98	32.966	26.38		1455.5							
	STU	00010	01.45	32.98	26.42	00.016	1453.2							
	DBS	00011	01.20	32.990	26.44		1452.1							
	STC	00020	00.81	33.12	26.57	00.032	1450.7							
	DBS	00020	00.74	33.130	26.58		1450.4							
	DBS	00024	00.40	33.140	26.61		1448.9							
	DBS	00028	-0.43	33.210	26.70		1445.3							
	STU	00030	-0.44	33.20	26.70	00.044	1445.3							
	DBS	00030	-0.45	33.200	26.70		1445.2							
	DBS	00034	-0.72	33.220	26.72		1444.1							
	DBS	00038	-1.25	33.240	26.76		1441.7							
	STC	00050	-0.93	33.34	26.82	00.074	1443.5							
	DBS	00051	-0.92	33.350	26.84		1443.6							
	DBS	00062	-0.98	33.480	26.94		1443.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOCC STATION DATA

REFID 31 0355 YEAR 1973 BOTDP 00053 AIR TEMP 05.5 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1306  
CONSEC 0102 MONTH 05 SHIP EV WET BULB 07.5 00 0 X WIND-SPD 16 TRACE DIR D 5 SQUARE 2  
LAT 43 59 N DAY 21 DATA USE 1 BAROMETR 1016.2 SEA CL/TR WIND-FDR DURATION 2 SQUARE 26  
LONG 049 23 W HOUR 05.3 AREA 05 CLOUD T/A WEATHER A2 ORIG 011 288 1 SQUARE 39

CAS/NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
05.5	STD	03000	03.37	32.96	26.28	00.000	1440.1							
	OBS	00031	03.07	32.96C	26.28		1460.2							
	STD	00030	03.07	32.96	26.28	00.018	1440.3							
	OBS	03011	03.05	32.960	26.28		1440.2							
	OBS	03019	02.64	32.94C	26.28		1450.5							
	STD	03220	02.40	32.95	26.32	00.035	1457.6							
	OBS	00222	01.52	32.951	26.34		1453.7							
	OBS	03226	01.26	32.901	26.45		1456.7							
	STD	03030	00.67	33.00	26.44	00.051	1450.1							
	OBS	03040	00.61	32.995	26.49		1449.8							
	OBS	03044	00.32	33.000	26.50		1446.0							
	OBS	03043	00.19	33.004	26.51		1446.1							

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REFID 31 0355 YEAR 1973 BOTDP 00349 AIR TEMP 05.0 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1306  
CONSEC 0104 MONTH 05 SHIP EV WET BULB 04.5 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 2  
LAT 43 57 N DAY 21 DATA USE 1 BAROMETR 1016.5 SEA CL/TR WIND-FDR DURATION 2 SQUARE 28  
LONG 049 20 W HOUR 06.3 AREA 05 CLOUD T/A WEATHER X5 ORIG 011 289 1 SQUARE 39

CAS/NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
06.0	STD	00000	02.94	32.63	26.18	00.000	1455.4							
	OBS	00003	02.94	32.832	26.18		1455.5							
	OBS	00036	02.70	32.820	26.20		1458.5							
	STD	00013	02.60	32.82	26.20	00.016	1456.1							
	OBS	00013	02.13	32.810	26.23		1456.1							
	STD	00023	01.63	32.85	26.30	00.036	1454.0							
	OBS	00023	01.59	32.851	26.30		1453.8							
	OBS	00024	01.51	32.837	26.30		1453.5							
	OBS	00026	01.14	32.852	26.32		1451.9							
	STD	00030	00.56	32.85	26.37	00.053	1449.4							
	OBS	00030	00.44	32.846	26.37		1448.8							
	OBS	00032	- 0.11	32.926	26.46		1446.4							
	OBS	00034	- 0.20	32.970	26.50		1446.1							
	OBS	00036	- 0.15	32.975	26.50		1446.4							
	STD	00050	- 0.64	32.97	26.52	00.085	1444.3							
	OBS	00051	- 0.65	32.975	26.52		1444.1							
	STD	00075	- 1.26	33.15	26.68	00.121	1442.1							
	OBS	00076	- 1.27	33.150	26.68		1442.1							
	STD	00100	- 1.34	33.18	26.71	00.155	1442.2							
	OBS	00100	- 1.34	33.17C	26.71		1442.2							
	OBS	00116	- 1.36	33.170	26.70		1442.3							
	STD	00125	- 1.31	33.25	26.80	00.167	1442.9							
	OBS	00125	- 1.30	33.255	26.80		1443.0							
	STD	00150	- 0.68	33.45	26.55	00.217	1445.6							
	OBS	00152	- 0.84	33.510	26.96		1445.9							
	OBS	00175	- 0.47	33.640	27.05		1448.1							
	STD	00200	00.47	33.79	27.13	00.268	1453.0							
	OBS	00201	00.51	33.800	27.13		1453.3							
	OBS	00226	00.80	33.875	27.18		1455.1							
	OBS	00239	01.05	33.970	27.24		1456.6							
	OBS	00245	01.35	34.000	27.24		1458.1							
	STD	00250	01.38	34.00	27.24	00.315	1458.3							
	OBS	00253	01.42	34.010	27.24		1458.5							
	OBS	00276	02.13	34.315	27.43		1462.4							
	STD	00300	02.45	34.47	27.53	00.348	1464.6							
	OBS	00300	02.50	34.475	27.53		1464.7							
	OBS	00314	02.65	34.48C	27.53		1465.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8055	YEAR 1973	BOATP 00253	AIR TEMP 06.5	OIR MGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1306
CDNSEC 0105	MONTH 05	SAMP EV	WET BULB 06.0	05 1 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 43 54 N	DAY 21	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 049 13 W	MOJR 07.0	AREA 05	CLOUD T/A	CL/TR	WEATHER AL	CRIC 011 250	1 SQUARE 39

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OAYC	PC4	TOT P	ND2	ND3	S103	P4
	STD	00000	03.15	32.97	26.28	00.000	1460.5							
07.0	085	00001	03.15	32.970	26.28		1460.5							
	085	00007	03.13	32.940	26.25		1460.5							
	STD	00010	02.81	32.92	26.27	00.018	1459.1							
	085	00011	02.82	32.907	26.27		1458.3							
	085	00013	02.36	32.970	26.24		1457.3							
	085	00017	02.36	33.105	26.45		1457.6							
	STD	00020	02.57	33.15	26.47	00.034	1458.6							
	085	00020	02.62	33.150	26.46		1458.8							
	085	00024	- 0.05	33.365	26.55		1466.8							
	085	00026	- 0.52	33.180	26.68		1444.8							
	085	00028	- 0.50	33.179	26.68		1444.5							
	STD	00030	- 0.65	33.16	26.67	00.049	1444.2							
	085	00030	- 0.71	33.155	26.67		1444.0							
	085	00034	- 1.38	33.180	26.71		1440.5							
	085	00036	- 1.42	33.150	26.72		1440.8							
	085	00038	- 1.41	33.300	26.61		1441.0							
	085	00040	- 0.88	33.345	26.83		1443.6							
	085	00041	- 0.33	33.525	26.56		1446.4							
	085	00047	02.59	33.780	26.97		1460.0							
	STD	00050	02.57	33.77	26.97	00.074	1455.9							
	085	00051	02.54	33.770	26.97		1455.8							
	085	00053	02.49	33.785	26.98		1455.6							
	085	00055	03.07	33.855	26.99		1462.3							
	085	00057	03.01	33.810	26.96		1462.0							
	085	00059	02.70	33.800	26.98		1460.6							
	STD	00075	02.90	33.86	27.01	00.101	1461.5							
	085	00076	02.92	33.865	27.01		1462.0							
	085	00095	03.38	33.980	27.06		1464.4							
	085	00097	03.46	33.957	27.06		1464.8							
	STD	00100	03.86	34.04	27.06	00.127	1466.6							
	085	00102	04.16	34.070	27.05		1466.0							
	085	00121	04.17	34.100	27.08		1468.4							
	STD	00125	03.73	34.05	27.07	00.152	1466.5							
	085	00127	03.51	34.005	27.07		1465.5							
	085	00129	03.42	34.000	27.07		1465.2							
	085	00135	03.54	34.062	27.08		1467.6							
	085	00137	04.01	34.120	27.11		1468.0							
	085	00139	04.42	34.197	27.13		1465.8							
	085	00140	04.51	34.150	27.11		1470.2							
	085	00144	05.01	34.253	27.10		1472.4							
	STD	00150	06.08	34.44	27.12	00.177	1477.1							
	085	00150	06.12	34.450	27.12		1477.5							
	085	00154	06.23	34.450	27.11		1477.8							
	085	00156	06.01	34.400	27.10		1476.9							
	085	00158	06.27	34.505	27.15		1478.1							
	085	00161	05.96	34.520	27.20									
	085	00165	06.55	34.550	27.15		1475.4							
	085	00173	06.68	34.560	27.14		1480.1							
	085	00177	06.91	34.567	27.11		1481.0							
	085	00178	06.36	34.500	27.13		1478.8							
	085	00180	06.52	34.540	27.14		1475.5							
	085	00182	05.55	34.340	27.11		1475.4							
	085	00192	04.89	34.220	27.09		1472.7							
	085	00198	04.78	34.220	27.10		1472.3							
	STD	00200	04.66	34.22	27.11	00.226	1471.5							
	085	00207	04.62	34.200	27.11		1471.6							
	085	00209	04.71	34.220	27.11		1472.2							
	085	00211	04.39	34.210	27.14		1470.5							
	085	00215	04.46	34.230	27.15		1471.5							
	085	00222	03.77	34.150	27.14		1468.4							
	085	00224	04.38	34.220	27.15		1471.1							
	085	00226	04.45	34.230	27.15		1471.4							
	085	00228	04.13	34.200	27.16		1470.1							
	085	00234	04.18	34.227	27.17		1470.4							
	085	00237	04.42	34.235	27.16		1471.5							
	085	00239	04.28	34.258	27.19		1471.0							
	085	00243	04.56	34.307	27.20		1472.3							
	085	00245	04.52	34.305	27.20		1472.1							
	085	00249	03.85	34.193	27.18		1469.2							
	STD	00250	03.77	34.17	27.18	00.273	1468.5							
	085	00251	03.56	34.140	27.17		1468.0							
	085	00253	03.13	34.100	27.18		1466.1							
	085	00260	03.07	34.157	27.23		1466.1							
	085	00262	02.91	34.170	27.25		1465.4							
	085	00266	02.45	34.097	27.23		1463.4							
	085	00268	02.52	34.103	27.23		1463.7							
	085	00274	02.35	34.137	27.27		1463.1							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A																		
REFID	31	8555	YEAR	1973	HUTOP	00567	AIR TEMP	07.5	DIR HGT	PER	WIND-DIR	15	INST STD	RECORDER	TEN SQ	150L		
CONSEC	0106		MONTH	05	SHIP EV		NET BULB	07.2	06	3	2	WIND-SPO	20	TRACE DIR	0	5	SQUARE	
LAT	45	46	N	DAY	21	DATA USE	1	BAROMETER	1018.7	SEA	WIND-FOR	WEATHER	A2	DURATION	ORIG	011	251	
LONG	045	00	W	MOUR	08.2	AREA	05	CLOUD T/A		CL/TR							1	SQUARE
CASSTN/IME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DAYG	P34	TOT P	NO2	NO3	SIO3	PH				
	STD	00000	03.98	33.12	26.31	00.000	1464.2											
08.2	OBS	00003	03.98	33.116	26.31		1464.3											
	OBS	00007	03.97	33.110	26.31		1464.3											
	STD	00010	04.06	33.21	26.30	00.017	1464.7											
	OBS	00015	04.25	33.120	26.29		1465.6											
	OBS	00015	04.39	33.155	26.30		1466.3											
	OBS	00017	04.14	33.090	26.28		1465.2											
	STD	00020	04.58	33.36	26.40	00.034	1465.1											
	OBS	00020	05.14	33.420	26.43		1465.8											
	OBS	00022	05.33	33.452	26.47		1470.7											
	STD	00030	06.78	33.82	26.54	00.050	1477.1											
	OBS	00030	06.63	33.805	26.55		1477.4											
	OBS	00034	06.97	34.007	26.66		1478.2											
	OBS	00038	06.14	34.025	26.75		1475.0											
	OBS	00041	06.43	34.134	26.84		1476.2											
	OBS	00045	03.08	33.855	26.83		1461.5											
	STD	00050	01.77	33.64	26.92	00.076	1456.2											
	OBS	00051	01.62	33.632	26.93		1455.6											
	OBS	00055	01.89	33.747	27.00		1457.0											
	OBS	00057	01.75	33.770	27.03		1456.4											
	OBS	00060	01.74	33.770	27.03		1456.4											
	OBS	00064	01.50	33.760	27.01		1457.2											
	OBS	00068	02.29	33.810	27.02		1459.0											
	OBS	00072	01.36	33.760	27.05		1454.9											
	OBS	00074	01.36	33.765	27.07		1455.0											
	STD	00075	01.44	33.80	27.07	00.103	1455.6											
	OBS	00076	01.61	33.810	27.07		1456.2											
	OBS	00078	01.68	33.810	27.07		1456.5											
	OBS	00079	01.54	33.797	27.06		1455.9											
	OBS	00081	01.70	33.800	27.06		1455.6											
	OBS	00083	02.11	33.870	27.08		1456.7											
	OBS	00084	02.36	33.894	27.08		1455.4											
	OBS	00085	01.26	34.010	27.09		1455.4											
	OBS	00097	03.42	34.020	27.07		1465.5											
	OBS	00099	05.63	34.010	27.06		1465.6											
	STD	00100	03.75	34.04	27.07	00.128	1466.2											
	OBS	00100	03.84	34.060	27.08		1466.0											
	OBS	00108	03.56	34.120	27.15		1465.6											
	OBS	00114	02.59	34.010	27.15		1461.4											
	OBS	00119	02.58	34.000	27.15		1461.4											
	OBS	00123	04.56	34.343	27.23		1470.4											
	STD	00125	05.13	34.46	27.26	00.151	1472.5											
	OBS	00125	05.32	34.500	27.26		1473.7											
	OBS	00125	05.35	34.480	27.24		1473.5											
	OBS	00131	05.87	34.570	27.25		1476.1											
	STD	00150	05.54	34.57	27.24	00.173	1476.7											
	OBS	00150	05.54	34.565	27.24		1476.7											
	OBS	00175	05.99	34.685	27.33		1477.3											
	OBS	00198	05.51	34.690	27.34		1477.6											
	STD	00200	05.59	34.64	27.34	00.212	1476.2											
	OBS	00203	05.11	34.565	27.34		1474.2											
	OBS	00210	04.78	34.540	27.36		1473.1											
	OBS	00224	04.25	34.480	27.37		1473.5											
	OBS	00228	05.91	34.450	27.38		1469.5											
	OBS	00236	03.54	34.480	27.40		1465.8											
	OBS	00239	03.56	34.377	27.38		1467.2											
	STD	00250	02.94	34.37	27.41	00.250	1465.6											
	OBS	00251	02.92	34.365	27.41		1465.5											
	OBS	00253	02.50	34.350	27.40		1465.5											
	OBS	00257	02.43	34.310	27.41		1463.4											
	OBS	00258	02.46	34.350	27.44		1463.6											
	OBS	00264	02.77	34.360	27.42		1465.1											
	OBS	00270	02.76	34.360	27.42		1465.2											
	OBS	00276	02.47	34.340	27.43		1464.0											
	OBS	00277	02.18	34.332	27.44		1462.7											
	OBS	00285	02.12	34.342	27.46		1462.6											
	OBS	00291	02.42	34.475	27.54		1464.2											
	STD	00300	02.38	34.48	27.55	00.281	1464.2											
	OBS	00300	02.38	34.485	27.55		1464.2											
	OBS	00306	02.46	34.520	27.57		1464.7											
	OBS	00310	02.74	34.550	27.57		1468.0											
	OBS	00312	02.79	34.570	27.56		1466.3											
	OBS	00317	03.19	34.55 P	27.530*													
	OBS	00325	03.44	34.650	27.62		1465.4											
	OBS	00350	03.57	34.687	27.60		1470.4											
	OBS	00375	03.79	34.790	27.66		1471.5											
	STD	00400	03.98	34.82	27.67	00.333	1473.1											
	OBS	00401	03.59	34.825	27.67		1473.2											
	OBS	00426	04.06	34.890	27.71		1474.0											
	OBS	00451	04.12	34.910	27.72		1474.7											
	OBS	00475	04.10	34.900	27.72		1475.0											
	STD	00500	04.12	34.92	27.73	00.376	1475.5											
	OBS	00500	04.12	34.920	27.73		1475.5											
	OBS	00525	04.13	34.890	27.71		1475.9											
	OBS	00550	04.12	34.890	27.71		1476.3											
	OBS	00555	04.12	34.890	27.71		1476.4											

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N O A T A

REFID 54 0355	YEAR 1973	BOTDP 01540	AIR TEMP 07.0	DIR HGT PER	WIND-DIR 11	INST STO RECORDER	TEN 50 1506
CUNSEC 0307	MONTH 05	SHIP EV	WET GULB 06.5	10 2 2	WIND-SPD 16	TRACE DIR 0	5 SUJARE 2
LAT 43 45.5N	DAY 21	DATA USE 1	BAROMETR 1019.3	SEA	WIND-FOR	DURATION	2 SUJARE 28
LONG 148 56 W	MOVR 09.5	AREA 05	CLGUD T/A	CL/TK	WEATHER A2	ORIG 011 292	1 SUJARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	QYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
STD		00000		33.27										
05.5	085	00005	00.48 P	33.270	26.710									
STD		00010		33.27										
085	00011	00.47	33.270	26.15			1474.9							
085	00013	00.46	33.250	26.13			1474.8							
STD		00020	06.29	33.19	26.11		1474.2							
085	00020	05.80	33.120	26.12			1472.1							
085	00022	04.40	32.955	26.13			1466.1							
085	00024	03.35	33.174	26.42			1462.0							
085	00026	02.54	33.180	26.46			1460.2							
STD		00030	02.76	33.30	26.58		1459.8							
085	00030	02.74	33.320	26.59			1459.7							
085	00043	02.67	33.532	26.77			1455.9							
085	00047	04.86	33.913	26.85			1465.9							
STD		00050	04.34	33.84	26.85		1467.6							
085	00051	04.09	33.805	26.85			1466.5							
085	00055	03.42	33.735	26.84			1464.4							
085	00057	04.47	33.867	26.84			1465.1							
085	00059	04.69	33.860	26.83			1465.2							
085	00060	04.07	33.885	26.92			1466.5							
085	00066	01.76	33.675	26.95			1456.5							
085	00070	01.92	33.657	26.96			1457.3							
085	00074	03.03	33.857	26.99			1462.4							
STD		00075	02.92	33.84	26.99		1461.9							
085	00076	02.59	33.803	27.00			1459.0							
085	00061	01.42	33.757	27.04			1455.3							
085	00083	01.41	33.770	27.05			1455.3							
085	00087	03.87	34.010	27.03			1466.4							
085	00091	04.76	34.313	27.18			1470.0							
085	00097	04.69	34.270	27.15			1470.4							
085	00099	03.65	34.130	27.15			1465.8							
STD		00100	03.18	34.09	27.16		1463.8							
085	00104	01.84	33.990	27.20			1457.9							
085	00108	01.77	34.020	27.23			1457.7							
085	00118	02.98	34.180	27.25			1463.3							
085	00123	05.03	34.180	27.25			1463.7							
STD		00125	05.08	34.19	27.25		1463.9							
085	00129	05.24	34.210	27.25			1464.7							
085	00142	03.45	34.230	27.25			1466.0							
085	00146	05.01	34.200	27.27			1464.0							
STD		00150	01.56	34.06	27.27		1457.5							
085	00154	00.41	33.960	27.27			1452.3							
085	00161	00.12	33.980	27.30			1451.1							
085	00165	00.48	34.065	27.35			1452.5							
085	00171	01.99	34.200	27.35			1455.9							
085	00177	02.29	34.200	27.33			1461.4							
085	00184	02.29	34.200	27.33			1461.5							
085	00190	04.05	34.480	27.39			1465.5							
085	00198	04.05	34.495	27.40			1465.8							
STD		00200	04.18	34.50	27.35		1470.2							
085	00203	04.34	34.530	27.40			1471.0							
085	00209	04.54	34.605	27.44			1472.0							
085	00217	06.15	34.860	27.44			1475.1							
085	00226	06.48	34.860	27.43			1460.5							
STD		00250	06.42	34.87	27.42		1463.7							
085	00251	06.42	34.897	27.44			1460.8							
085	00255	06.53	34.950	27.50			1461.4							
085	00256	06.78	35.027	27.49			1462.5							
085	00268	06.86	35.022	27.47			1483.0							
085	00276	06.68	34.950	27.48			1462.3							
085	00281	06.52	35.000	27.51			1461.8							
085	00293	06.07	34.897	27.48			1460.0							
STD		00300	05.90	34.90	27.51		1475.5							
085	00300	05.86	34.903	27.51			1479.4							
085	00319	05.83	34.867	27.49			1475.5							
085	00325	05.02	34.780	27.52			1476.2							
085	00329	04.76	34.730	27.51			1475.1							
085	00333	04.11	34.630	27.50			1472.3							
085	00350	03.94	34.740	27.61			1472.0							
085	00356	04.46	34.830	27.62			1474.4							
085	00373	04.86	34.888	27.62			1476.4							
085	00380	04.71	34.845	27.61			1475.5							
085	00388	04.56	34.810	27.60			1475.3							
085	00396	03.99	34.710	27.58			1473.0							



TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SMO VEL	DRYG	PCH	TOT P	NO2	NO3	SI03	PH
	STD	00400	03.59	34.71	27.58		1473.0							
	08S	00403	03.56	34.700	27.57		1472.9							
	08S	0042c	03.97	34.830	27.60		1473.5							
	08S	00441	04.13	34.845	27.67		1474.5							
	08S	00445	04.47	34.890	27.67		1476.1							
	08S	00451	04.59	34.907	27.67		1476.6							
	08S	00475	04.68	34.88 P	27.640*									
	STD	00500	04.76	34.91	27.65		1478.1							
	08S	00500	04.76	34.910	27.65		1478.2							
	08S	00525	04.71	34.910	27.66		1478.4							
	08S	00550	04.71	34.910	27.66		1478.8							
	08S	00576	04.56	34.910	27.68		1478.6							
	STD	00600	04.53	34.91	27.68		1478.9							
	08S	00601	04.53	34.910	27.68		1478.9							
	08S	0062c	04.50	34.910	27.68		1479.2							
	08S	00651	04.45	34.920	27.69		1475.5							
	08S	00675	04.44	34.910	27.69		1475.7							
	STD	00700	04.37	34.91	27.70		1475.8							
	08S	00700	04.37	34.910	27.70		1479.8							
	08S	00725	04.31	34.910	27.70		1480.0							
	08S	00750	04.24	34.900	27.70		1480.1							
	08S	0077c	04.19	34.893	27.70		1480.3							
	STD	00800	04.13	34.84	27.71		1480.5							
	08S	00801	04.13	34.840	27.71		1480.5							
	08S	0082c	04.13	34.890	27.71		1480.9							
	08S	00850	04.08	34.920	27.74		1481.2							
	08S	00875	04.01	34.910	27.74		1481.5							
	STD	00900	04.01	34.91	27.74		1481.7							
	08S	00900	04.01	34.910	27.74		1481.7							
	08S	00925	03.97	34.910	27.74		1481.9							
	08S	00951	03.96	34.910	27.74		1482.3							
	08S	00976	03.56	34.910	27.74		1482.7							
	STD	01000	03.54	34.91	27.74		1483.0							
	08S	01001	03.54	34.910	27.74		1483.1							
	08S	01020	03.54	34.910	27.74		1483.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A

REF ID: A18355 YEAR: 1973 BOTOP: J2385 AIR TEMP: 07.5 OIR HGT: PEA WIND-OIR: 17 INST STO RECORDER: TEN SU: 1306  
 CONSEC: 0108 MONTH: 05 SHIP EV: MET BULB: 07.2 09 2 2 WIND-SPD: 11 TRACE OIR: 0 5 SQUARE: 2  
 LAT: 43 41 N DAY: 21 DATA USE: 1 BAROMETR: 1002.0 SEA WIND-FDR: DURATION 2 SQUARE: 2  
 LONG: 046 42.5 W HOUR: 11.3 AREA: 05 CLOUD: 1/A CL/TH WEATHER: X2 ORIG: 011 253 1 SQUARE: 36

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	DAYC	P34	TOT P	NO2	NO3	S103	PH
11.3	STO	00000	06.17	33.18	26.12	00.000	1473.4							
	085	00000	06.17	33.180	26.12		1473.4							
	STO	00010	06.15	33.18	26.12	00.019	1473.4							
	085	00011	06.14	33.176	26.12		1473.4							
	STO	00020	06.09	33.15	26.10	00.038	1473.3							
	085	00020	05.58	33.135	26.11		1472.5							
	085	00022	05.65	33.100	26.11		1471.7							
	085	00026	05.69	33.320	26.25		1472.0							
	STO	00030	05.20	33.43	26.43	00.056	1470.2							
	085	00030	05.13	33.440	26.45		1470.0							
	085	00034	04.65	33.528	26.57		1468.3							
	085	00036	04.26	33.620	26.66		1466.7							
	085	00036	04.27	33.630	26.69		1466.8							
	085	00040	04.36	33.657	26.74		1467.3							
	085	00043	04.81	33.813	26.76		1465.4							
	085	00045	04.62	33.800	26.79		1468.6							
	STO	00050	04.64	33.61	26.77	00.085	1465.6							
	085	00053	04.51	33.820	26.77		1465.5							
	085	00057	04.65	34.000	26.92		1470.2							
	085	00059	05.53	P 34.000	26.670*									
	STO	00075	04.70	34.00	26.94	00.115	1465.7							
	085	00076	04.68	34.003	26.94		1465.6							
	STO	00100	04.22	34.15	27.09	00.142	1466.3							
	085	00101	04.22	34.150	27.09		1466.3							
	085	00112	04.51	34.148	27.10		1466.5							
	085	00125	05.62	34.250	27.05		1474.7							
	STO	00125	05.61	34.33	27.10	00.164	1474.7							
	085	00125	05.60	34.335	27.10		1474.6							
	085	00127	05.59	34.355	27.12		1474.7							
	085	00131	05.21	34.320	27.13		1473.1							
	085	00157	04.58	34.220	27.15		1470.1							
	085	00140	04.68	34.220	27.14		1470.1							
	085	00146	04.65	34.310	27.19		1471.1							
	STO	00150	04.86	34.34	27.15	00.150	1472.0							
	085	00150	04.87	34.340	27.19		1472.1							
	085	00152	04.65	34.355	27.20		1472.2							
	085	00156	05.28	34.450	27.23		1474.0							
	085	00155	05.30	34.460	27.23		1474.2							
	085	00171	05.63	34.215	27.22		1467.2							
	085	00173	05.63	34.230	27.23		1467.1							
	085	00177	02.58	34.133	27.22		1464.3							
	085	00180	02.52	34.160	27.28		1462.4							
	085	00198	02.85	34.210	27.29		1464.4							
	STO	00200	03.05	34.25	27.25	00.235	1463.1							
	085	00205	03.36	34.270	27.29		1466.6							
	085	00222	02.11	34.183	27.33		1461.3							
	085	00226	01.88	34.150	27.32		1460.3							
	085	00230	01.68	34.177	27.36		1455.5							
	085	00245	03.08	34.405	27.43		1466.2							
	STO	00250	03.20	34.44	27.44	00.270	1466.8							
	085	00251	03.24	34.440	27.44		1467.0							
	085	00258	02.60	34.357	27.43		1464.3							
	085	00262	02.42	34.320	27.42		1463.5							
	085	00266	01.80	34.287	27.44		1460.8							
	085	00276	02.08	34.350	27.47		1462.3							
	085	00275	02.23	34.353	27.46		1463.0							
	085	00285	02.57	34.470	27.45		1466.5							
	085	00267	02.57	34.460	27.49		1466.5							
	085	00255	03.40	34.560	27.52		1466.6							
	STO	00300	03.85	34.60	27.55	00.301	1470.5							
	085	00300	03.52	34.662	27.55		1471.0							
	085	00302	03.94	34.650	27.54		1471.1							
	085	00333	03.53	34.640	27.57		1465.5							
	085	00350	03.75	34.710	27.60		1471.3							
	085	00354	03.65	34.700	27.58		1471.8							
	085	00355	04.30	34.820	27.63		1473.8							
	085	00365	04.63	P 34.820	27.600*									
	085	00376	04.45	34.83	27.63		1474.9							
	STO	00400	04.46	34.84	27.63	00.355	1475.2							
	085	00401	04.46	34.840	27.63		1475.2							
	085	00428	04.35	34.840	27.64		1475.1							
	085	00451	04.45	34.900	27.68		1476.2							
	085	00475	04.21	34.900	27.71		1475.4							
	STO	00500	04.22	34.91	27.72	00.403	1475.9							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N D O C S T A T I O N D A T A														
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
OBS	00500	04.22	34.915	27.72			1475.9							
OBS	00525	04.23	34.890	27.70			1476.3							
OBS	00550	04.28	34.900	27.70			1477.0							
OBS	00576	04.21	34.900	27.71			1477.1							
STD	00600	04.19	34.90	27.71		00.448	1477.4							
OBS	00601	04.19	34.900	27.71			1477.4							
OBS	00620	04.17	34.900	27.71			1477.8							
OBS	00651	04.14	34.905	27.72			1478.1							
OBS	00675	04.12	34.900	27.72			1478.4							
STD	00700	04.10	34.91	27.73		00.495	1478.7							
OBS	00700	04.10	34.910	27.73			1478.7							
OBS	00725	04.09	34.910	27.73			1479.1							
OBS	00750	04.06	34.910	27.73			1479.4							
OBS	00776	04.04	34.905	27.73			1479.7							
STD	00800	04.06	34.90	27.72		00.530	1480.2							
OBS	00807	04.06	34.897	27.72			1480.3							
OBS	00826	04.03	34.915	27.74			1480.5							
OBS	00850	04.03	34.910	27.73			1480.9							
OBS	00875	03.59	34.910	27.74			1481.2							
STD	00900	03.57	34.91	27.74		00.564	1481.5							
OBS	00900	03.57	34.910	27.74			1481.5							
OBS	00927	03.56	34.910	27.74			1481.9							
OBS	00953	03.56	34.910	27.74			1482.3							
OBS	00976	03.54	34.910	27.74			1482.6							
STD	01000	03.52	34.90	27.74		00.630	1483.0							
OBS	01031	03.52	34.900	27.74			1483.0							
OBS	01022	03.85	34.890	27.74			1483.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 51 8355	YEAR 1973	BOTOP 0115	AIR TEMP 08.8	DIR HGT PER	#WIND-DIR 02	INST STO RECORDER	TEM SQ 1302
CONSEC 0105	MONTH 05	SHIP EV	WET BULB 07.7	04 2 2	#WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 43 27 N	DAY 21	DATA USE 1	BAROMETER 1020.2	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 148 26 W	HOUR 13.5	AREA 35	CLOUD T/A	CL/TR	WEATHER XZ	ORIG 011 294	1 SQUARE 38

CASSTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPH	SNO VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000		33.31										
13.5	085	00005	00.04 P	33.311	26.760									
	085	00009	00.04 P	33.307	26.760									
	STO	00010		33.27										
	085	00017	04.26	32.965	26.16 *		1465.6							
	STO	00020		32.97	26.19		1464.7							
	085	00020	04.00	32.975	26.20		1464.5							
	085	00022	03.00	32.960	26.20		1464.0							
	085	00026	04.16	33.075	26.26		1465.4							
	STO	00030		33.39	26.45		1468.5							
	085	00030	04.93	33.470	26.49		1465.2							
	085	00034	04.66	33.445	26.50		1468.1							
	085	00036	04.75	33.482	26.52		1468.7							
	085	00040	03.85	33.456	26.59		1465.0							
	085	00047	01.47	33.150	26.58		1464.2							
	085	00049	- 0.74	33.190	26.70		1464.2							
	STO	00050	- 0.83	33.19	26.71		1463.8							
	085	00053	- 1.15	33.230	26.75		1462.4							
	085	00055	- 1.15	33.253	26.76		1462.4							
	085	00060	- 1.54	33.300	26.81		1460.9							
	085	00066	- 1.50	33.313	26.82		1461.1							
	085	00072	- 1.09	33.320	26.82		1463.1							
	STO	00075		33.44	26.84		1451.0							
	085	00076	01.07	33.485	26.84		1455.3							
	085	00083	01.25	33.567	26.92		1454.4							
	085	00087	02.17	33.730	26.96		1458.7							
	085	00091	03.40	33.870	26.97		1464.3							
	085	00093	04.15	33.945	26.95		1467.6							
	085	00097	04.70	34.015	26.95		1470.1							
	085	00099	04.66	34.000	26.94		1465.9							
	STO	00100		34.07	26.99		1470.4							
	085	00100	04.84	34.127	27.02		1470.6							
	085	00106	05.27	34.165	27.00		1472.6							
	085	00108	05.64	34.245	27.02		1474.4							
	085	00111	05.28	34.166	27.01		1472.9							
	085	00116	05.54	34.244	27.03		1474.5							
	085	00118	05.66	34.210	27.07		1474.7							
	085	00121	05.19	34.270	27.06		1472.6							
	STO	00125		34.25	27.07		1472.8							
	085	00125	05.17	34.254	27.07		1472.6							
	085	00127	05.85	34.403	27.12		1475.9							
	085	00139	06.20	34.460	27.12		1477.4							
	085	00146	06.03	34.440	27.13		1476.9							
	STO	00150		34.42	27.12		1476.5							
	085	00156	05.72	34.362	27.12		1475.7							
	085	00165	05.56	34.345	27.14		1474.3							
	085	00173	05.32	34.340	27.14		1474.3							
	085	00177	04.65	34.220	27.12		1471.4							
	085	00182	05.33	34.463	27.23		1474.7							
	STO	00200		34.45	27.23		1475.6							
	085	00201	05.51	34.450	27.23		1475.7							
	085	00205	05.53	34.470	27.21		1475.4							
	085	00209	05.23	34.447	27.23		1474.7							
	085	00215	05.62	34.570	27.28		1476.5							
	085	00226	05.68	34.570	27.27		1476.5							
	STO	00250		34.45	27.29		1473.5							
	085	00251	04.71	34.440	27.25		1473.2							
	085	00256	04.15	34.360	27.28		1470.9							
	085	00262	04.12	34.450	27.36		1470.9							
	085	00266	02.10	34.304	27.34		1466.5							
	085	00270	02.92	34.320	27.37		1465.8							
	085	00276	03.02	34.330	27.37		1466.5							
	085	00279	03.11	34.350	27.38		1466.6							
	085	00283	02.67	34.343	27.35		1465.8							
	085	00289	03.51	34.490	27.45		1468.9							
	STO	00300		34.55	27.46		1470.6							
	085	00303	03.95	34.560	27.46		1471.0							
	085	00308	02.99 P	34.39 P	27.420*									
	085	00329	05.67	34.780	27.44		1478.9							
	085	00331	04.86	34.653	27.47		1475.5							
	085	00340	04.65	34.695	27.50		1474.8							
	085	00346	04.21	34.650	27.51		1473.0							
	085	00352	03.78	34.617	27.53		1471.2							
	085	00363	03.83	34.680	27.57		1471.7							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
CAS7NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOP7H	SNO VEL	OKYG	PO4	TOT P	NO2	NO3	SIO3	PH
085	00267	03.60	34.56 P	27.500*										
085	00275	03.60	34.700	27.56									1472.2	
STO	00400	03.60	34.74	27.01									1472.5	
085	00401	03.60	34.745	27.41									1473.0	
085	00406	04.20	34.810	27.62									1474.9	
085	00441	04.22	34.830	27.63									1474.8	
085	00445	03.92	34.750	27.65									1475.2	
085	00451	03.88	34.750	27.65									1475.5	
085	00464	04.31 P	34.89 P	27.650										
085	00477	04.23	34.840	27.66 *									1475.5	
STO	00500	04.17	34.83	27.65									1475.6	
085	00500	04.17	34.825	27.65									1475.6	
085	00527	04.10	34.850	27.68									1475.8	
085	00550	04.45	34.850	27.67									1477.8	
085	00576	04.37	34.910	27.70									1477.8	
STO	00600	04.27	34.90	27.70									1477.8	
085	00601	04.27	34.900	27.70									1477.6	
085	00626	04.28	34.910	27.71									1478.2	
085	00654	04.50	34.850	27.65									1478.7	
085	00675	04.25	34.888	27.69									1478.9	
STO	00700	04.26	34.90	27.70									1479.4	
085	00700	04.28	34.900	27.70									1479.5	
085	00725	04.24	34.900	27.70									1479.7	
085	00750	04.21	34.850	27.70									1480.0	
085	00776	04.22	34.850	27.70									1480.5	
STO	00800	04.25	34.91	27.71									1481.0	
085	00801	04.25	34.910	27.71									1481.0	
085	00826	04.28	34.910	27.71									1481.6	
085	00850	04.23	34.910	27.71									1481.8	
085	00877	04.22	34.910	27.71									1482.2	
STO	00900	04.18	34.90	27.71									1482.4	
085	00900	04.18	34.895	27.71									1482.4	
085	00925	04.05	34.920	27.74									1482.3	
085	00951	04.01	34.910	27.74									1482.5	
085	00976	03.60	34.910	27.74									1482.7	
STO	01000	03.60	34.91	27.74									1483.0	
085	01001	03.60	34.910	27.74									1483.0	
085	01022	03.64	34.910	27.74									1483.4	

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

				N O D C S T A T I O N O A T A										
REFID	SI	8355	YEAR 1973	83TOP 03294	AIK TEMP 07.2	DIR HGT PER	WIND-OIR 08	INST STD RECORDER	TEN SW 1306					
CONSEC	0110	MONTH 05	SHIP EV	WET BULB 07.2	BARDMETR 1020.1	SEA	WIND-SPO 10	TRACE DIR	5 SQUARE 2					
LAT	45 23 N	DAY 21	DATA USE 1	CLOUD T/A	CL/TR	WEATHER X4	WIND-FOR	ORIG Q11 255	2 SQUARE 26					
LONG	047 47 W	HOOR 16.4	AREA 05									1 SQUARE 37		
CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP7M	SNU VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STG	00000	04.59	33.15	26.31	00.000	1466.5							
16.4	065	00011	04.55	33.167	26.31		1466.9							
	085	00023	04.00	33.182	26.36		1464.5							
	065	00005	04.00	33.175	26.36		1464.5							
	065	00007	04.60	33.187	26.31		1467.1							
	STG	00010	04.59	33.18	26.30	00.017	1467.1							
	085	00011	04.55	33.180	26.30		1467.1							
	085	00015	04.30	33.125	26.25		1465.0							
	065	00017	03.82	33.075	26.30		1463.8							
	STG	00020	01.53	32.56	26.39	00.024	1453.7							
	085	00022	00.22	32.906	26.43		1447.0							
	085	00026	- 0.12	32.530	26.46		1446.3							
	065	00028	- 0.66	32.570	26.52		1443.9							
	STG	00030	- 0.51	33.05	26.59	00.050	1442.8							
	065	00030	- 1.00	33.072	26.61		1442.5							
	065	00032	- 1.30	33.160	26.69		1441.2							
	085	00034	- 1.41	33.182	26.71		1440.8							
	STG	00050	- 1.51	33.25	26.80	00.077	1440.7							
	085	00051	- 1.52	33.294	26.81		1440.7							
	085	00065	- 1.58	33.322	26.83		1440.7							
	STG	00075	- 1.57	33.32	26.83	00.100	1440.7							
	085	00078	- 1.56	33.317	26.83		1440.7							
	STG	00100	- 1.51	33.32	26.83	00.136	1441.6							
	085	00100	- 1.51	33.325	26.83		1441.6							
	STG	00125	- 1.34	33.46	26.54	00.167	1443.0							
	085	00125	- 1.34	33.460	26.54		1443.0							
	085	00140	- 1.20	33.530	26.95		1444.0							
	085	00142	- 0.25	33.650	27.05		1448.4							
	085	00146	00.37	33.670	27.04		1451.6							
	085	00148	00.44	33.652	27.05		1451.9							
	STG	00150	00.84	33.76	27.08	00.194	1453.9							
	085	00152	01.27	33.821	27.10		1455.9							
	085	00158	01.36	33.800	27.08		1456.4							
	065	00161	03.32	33.580	27.06		1465.3							
	085	00165	03.52	34.130	27.12		1468.1							
	085	00175	03.81	34.207	27.20		1467.9							
	085	00190	04.21	34.215	27.16		1465.8							
	085	00194	04.60	34.348	27.23		1471.7							
	085	00198	04.21	34.325	27.24		1470.5							
	STG	00200	04.31	34.35	27.24	00.240	1470.5							
	085	00201	04.31	34.330	27.24		1470.6							
	065	00226	04.16	34.325	27.26		1470.7							
	STG	00250	04.18	34.33	27.26	00.283	1470.7							
	085	00251	04.16	34.330	27.26		1470.6							
	085	00260	04.37	34.360	27.26		1471.9							
	085	00274	05.14	34.450	27.28		1475.4							
	085	00276	05.20	34.452	27.27		1475.7							
	085	00287	05.23	34.500	27.27		1476.0							
	085	00291	05.76	34.560	27.26		1478.3							
	STG	00300	06.15	34.67	27.25	00.325	1480.4							
	085	00300	06.21	34.660	27.25		1480.4							
	085	00306	06.21	34.705	27.31		1480.6							
	085	00317	07.76	35.037	27.36		1487.3							
	065	00321	07.75	35.020	27.35		1487.3							
	085	00325	07.14	34.500	27.34		1484.8							
	085	00338	06.15	34.730	27.34		1481.1							
	085	00342	05.86	34.655	27.35		1475.7							
	085	00352	03.83	34.440	27.38		1471.2							
	085	00373	03.48	34.460	27.43		1470.1							
	085	00376	03.21	34.420	27.42		1468.9							
	STG	00400	03.43	34.54	27.50	00.358	1470.4							
	085	00404	03.45	34.543	27.50		1470.5							
	085	00403	03.42	34.540	27.50		1470.4							
	085	00416	03.54	34.650	27.57		1473.1							
	085	00424	03.60	34.650	27.57		1471.7							
	085	00426	03.65	34.650	27.58		1472.8							
	085	00444	04.16	34.750	27.59		1474.5							
	085	00451	04.20	34.750	27.59		1474.8							
	085	00475	03.77	34.805	27.68		1473.5							
	STG	00500	04.19	34.84	27.68	00.454	1475.7							
	065	00500	04.20	34.840	27.66		1475.7							
	085	00525	04.21	34.91 P	27.700									
	085	00552	04.43	34.890	27.67		1477.6							
	085	00576	04.47	34.850	27.67		1478.2							
	STG	00600	04.55	34.90	27.67	00.504	1476.5							
	085	00601	04.55	34.900	27.67		1476.5							
	085	00626	04.47	34.850	27.67		1475.0							
	085	00651	04.25 P	34.910	27.710									
	085	00675	04.40	34.895	27.68		1475.5							
	STG	00700	04.30	34.85	27.69	00.553	1475.5							
	085	00700	04.30	34.850	27.69		1475.5							
	065	00725	04.22	34.850	27.70		1479.6							
	085	00750	04.15	34.910	27.72		1475.7							
	085	00776	04.12	34.910	27.71		1463.1							
	STG	00800	04.10	34.91	27.73	00.600	1463.4							
	085	00801	04.10	34.910	27.73		1480.4							
	085	00826	04.08	34.910	27.73		1480.7							
	065	00850	04.06	34.910	27.73		1481.1							
	065	00875	04.05	34.910	27.73		1481.4							
	STG	00900	04.01	34.91	27.74	00.646	1481.7							
	065	00900	04.01	34.910	27.74		1481.7							
	085	00925	03.95	34.910	27.74		1482.0							
	065	00951	03.95	34.910	27.74		1482.4							
	085	00978	03.58	34.910	27.74		1482.8							
	STG	01000	03.57	34.91	27.74	00.652	1483.2							
	065	01001	03.57	34.910	27.74		1483.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
KEFID 31 8555	YEAR 1973	BOTOP 03444	AIR TEMP 06.9	DIR HGT PER 04 2 3	WIND-DIR 05	INST STD RECORDER	TEN SW 1306							
CONSEL 3111	MOYIM 05	SHIP EV	WET BULB 06.8	DIR 04 2 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2							
LAT 43 18 N	DAY 21	DATA USE 1	BAROMETR 1020.1	SEA	WIND-FOR	DURATION	2 SQUARE 26							
LONG 147 31 W	HGJA 16.6	AREA 05	CLOUD TRA	CL/TR	WEATHER X4	DRIC 014 296	1 SQUARE 37							
CSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STO	00000	03.38	31.93	26.22		1461.4							
16.6	065	00001	03.38	31.930	26.22	00.000	1461.5							
	085	00005	03.39	32.930	26.22		1461.6							
	STO	00010	03.34	32.93	26.23	00.016	1461.4							
	085	00013	03.00	32.860	26.20		1459.9							
	065	00017	- 0.02	32.630	26.22		1460.2							
	STO	00020	- 0.78	32.54	26.50	00.035	1463.1							
	065	00022	- 1.27	33.140	26.68		1461.2							
	STO	00030	- 1.34	33.18	26.71	00.049	1461.0							
	085	00030	- 1.35	33.180	26.71		1461.0							
	065	00043	- 1.48	33.230	26.76		1460.7							
	065	00045	- 1.49 P	33.280	26.850*									
	085	00047	- 1.53	33.300	26.81		1460.6							
	STO	00050	- 1.55	33.31	26.82	00.075	1460.5							
	035	00051	- 1.56	33.310	26.82		1460.5							
	065	00062	- 1.54	33.310	26.82		1460.6							
	STO	00075	- 1.54	33.32	26.83	00.106	1461.0							
	065	00076	- 1.53	33.327	26.83		1461.1							
	STO	00100	- 1.43	33.44	26.92	00.135	1462.1							
	035	00100	- 1.44	33.44	26.92		1462.2							
	STO	00115	- 1.21	33.53	26.94	00.163	1463.7							
	085	00125	- 1.20	33.530	26.95		1463.8							
	STO	00150	- 0.90	33.59	27.05	00.189	1465.7							
	085	00150	- 0.85	33.593	27.03		1465.7							
	065	00175	- 0.21	33.750	27.16		1465.5							
	085	00177	00.07	33.600	27.16		1460.9							
	085	00178	00.84	33.970	27.25		1454.6							
	085	00162	02.63	34.160	27.25		1463.7							
	085	00166	04.45	34.360	27.25		1470.9							
	085	00164	05.25	34.455	27.24		1474.5							
	065	00199	05.44	34.520	27.26		1475.5							
	STO	00200	05.46	34.52	27.26	00.236	1475.6							
	085	00201	05.80	34.560	27.25		1477.0							
	085	00215	06.07	34.550	27.21		1476.3							
	085	00224	06.67	34.700	27.25		1481.0							
	085	00226	06.68	34.700	27.25		1481.1							
	085	00234	06.64	34.700	27.25		1481.1							
	085	00235	05.19	34.440	27.23		1475.0							
	STO	00247	02.94	34.170	27.25		1469.2							
	STO	00250	02.75	34.15	27.28	00.277	1464.7							
	065	00251	02.72	34.210	27.30		1464.5							
	065	00255	03.43	34.320	27.32		1467.7							
	085	00257	03.74	34.360	27.33		1469.0							
	085	00266	05.60	34.350	27.35		1466.7							
	085	00272	03.88	34.347	27.30		1465.9							
	085	00276	03.72	34.335	27.31		1465.3							
	085	00277	03.41	34.285	27.30		1466.0							
	085	00295	03.20	34.340	27.36		1467.4							
	STO	00300	03.84	34.47	27.40	00.310	1470.4							
	065	00300	03.53	34.490	27.41		1470.8							
	065	00323	04.10	34.550	27.44		1472.0							
	085	00333	05.01	34.700	27.46		1476.1							
	085	00335	04.99	34.700	27.46		1476.1							
	085	00338	04.05	34.560	27.45		1472.1							
	065	00344	03.67	34.540	27.46		1471.4							
	085	00357	04.30	34.615	27.47		1473.5							
	085	00363	03.26	34.500	27.48		1465.1							
	085	00376	02.75	34.490	27.52		1467.0							
	065	00380	02.55	34.450	27.54		1466.3							
	085	00394	02.84	34.542	27.55		1466.0							
	STO	00400	02.92	34.56	27.56	00.375	1466.2							
	065	00401	02.93	34.560	27.56		1466.3							
	085	00426	03.33	34.690	27.63		1470.6							
	035	00453	03.67	34.66 P	27.570*									
	085	00475	03.28	34.700	27.64		1471.2							
	085	00491	03.40	34.700	27.63		1472.0							
	065	00496	04.50	34.897	27.67		1477.0							
	STO	00500	04.53	34.89	27.66	00.432	1477.2							
	085	00500	04.54	34.890	27.66		1477.2							
	065	00527	04.53	34.900	27.67		1477.6							
	085	00552	04.31	34.880	27.66		1477.1							
	065	00576	04.26	34.880	27.68		1477.5							
	STO	00600	04.24	34.88	27.65	00.481	1477.6							
	085	00601	04.24	34.880	27.65		1477.6							
	035	00626	04.19	34.880	27.69		1477.8							
	065	00654	04.23	34.910	27.71		1478.4							
	085	00675	04.22	34.893	27.70		1478.8							
	STO	00700	04.28	34.89	27.65	00.525	1475.4							
	085	00700	04.28	34.890	27.69		1479.4							
	085	00725	04.25	34.91 P	27.710									
	065	00750	04.17	34.91 P	27.720									
	085	00776	04.19	34.880	27.65		1460.3							
	STO	00800	04.24	34.89	27.70	00.577	1460.5							
	085	00801	04.24	34.895	27.70		1481.0							
	085	00826	04.25	34.900	27.70		1481.4							
	065	00850	04.23	34.897	27.70		1481.7							
	085	00877	04.22	34.900	27.70		1482.2							
	STO	00900	04.15	34.89	27.70	00.626	1482.2							
	085	00900	04.15	34.896	27.70		1482.2							
	085	00925	04.10	34.890	27.71		1482.4							
	085	00951	04.33	35.000	27.77		1484.0							
	085	00976	04.33	35.000	27.77		1484.4							
	STO	01000	04.27	35.00	27.78	00.672	1484.5							
	085	01003	04.26	34.995	27.78		1484.5							
	085	01024	04.22	34.970	27.76		1464.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O U C S T A T I O N O A T A

REFID 51 8255	YEAR 1973	BOTDP 05003	AIR TEMP 11.8	DIR HGT PER	WIND-DIR 06	INST STO RECORER	TEN 50 1506
CONSEC 0112	MONTH 05	SHIP EV	WET BULB 39.5	06 2 2	WIND-SPD 13	TRACE DIR	5 SUJARE 2
LAT 43 06.3N	DAY 21	DATA USE 1	BAROMETR 1020.1	SEA	WIND-FDR	QUATION	2 SUJARE 26
LONG 046 58 W	HOOR 21.9	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG 011 297	1 SUJARE 36

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTM	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO5	PH
21.9	STD	00030	06.67	33.06	25.96	00.000	1475.2							
	OBS	00005	06.67	33.063	25.96		1475.3							
	STD	00010	06.04	33.14	26.10	00.020	1472.9							
	OBS	00011	05.74	33.151	26.15		1471.8							
	OBS	00017	04.05	33.127	26.32		1464.8							
	STD	00020	04.36	33.35	26.46	00.057	1466.5							
	OBS	00020	04.46	33.368	26.46		1466.5							
	OBS	00021	04.29	33.342	26.47		1466.1							
	OBS	00026	05.43	33.655	26.58		1471.4							
	OBS	00028	05.48	33.773	26.67		1471.8							
	STD	00030	06.11	33.86	26.68	00.052	1474.5							
	OBS	00032	06.63	33.573	26.68		1476.8							
	OBS	00036	06.02	33.834	26.67		1474.2							
	OBS	00040	05.13	33.802	26.73		1470.6							
	OBS	00049	04.52	33.745	26.76		1468.2							
	STD	00050	04.32	33.73	26.76	00.079	1467.3							
	OBS	00051	05.52	33.651	26.78		1465.6							
	OBS	00053	05.71	33.660	26.77		1464.7							
	OBS	00055	03.28	33.731	26.87		1463.0							
	OBS	00060	03.69	33.660	26.95		1465.0							
	OBS	00068	01.99	33.680	26.94		1457.5							
	OBS	00070	01.61	33.647	26.94		1455.8							
	OBS	00074	01.63	33.663	26.95		1456.0							
	STD	00075	01.30	33.65	26.96	00.109	1454.5							
	OBS	00076	01.01	33.637	26.97		1453.2							
	OBS	00078	00.93	33.665	27.00		1453.0							
	OBS	00079	01.28	33.710	27.01		1454.6							
	OBS	00083	02.47	33.810	27.00		1460.1							
	OBS	00087	03.00	33.865	27.00		1462.5							
	OBS	00089	03.00	33.863	27.00		1462.5							
	OBS	00091	03.25	33.935	27.04		1463.7							
	OBS	00095	04.18	34.042	27.03		1467.9							
	STD	00100	04.62	34.13	27.05	00.136	1465.9							
	OBS	00100	04.65	34.133	27.05		1470.1							
	OBS	00102	04.65	34.140	27.06		1470.1							
	OBS	00104	05.03	34.205	27.06		1471.6							
	STD	00119	05.80	34.330	27.07		1475.4							
	OBS	00123	05.24	34.25	27.05	00.161	1473.5							
	OBS	00127	05.12	34.210	27.06		1473.5							
	OBS	00131	06.14	34.477	27.14		1472.5							
	OBS	00134	06.31	34.545	27.17		1477.1							
	OBS	00140	05.76	34.450	27.17		1476.4							
	STD	00150	06.08	34.52	27.18	00.186	1477.4							
	OBS	00150	06.14	34.530	27.18		1477.5							
	OBS	00154	06.18	34.500	27.16		1477.7							
	OBS	00156	05.86	34.450	27.15		1476.5							
	OBS	00163	06.00	34.500	27.18		1477.1							
	OBS	00175	05.62	34.460	27.20		1475.7							
	STD	00200	05.12	34.46	27.26	00.230	1474.1							
	OBS	00201	05.12	34.460	27.26		1474.1							
	OBS	00226	05.61	34.550	27.27		1476.6							
	OBS	00228	05.59	34.540	27.26		1476.6							
	STD	00250	05.16	34.54	27.31	00.274	1475.2							
	OBS	00251	05.12	34.540	27.32		1475.0							
	OBS	00266	04.53	34.450	27.31		1472.7							
	OBS	00276	04.19	34.460	27.34		1471.5							
	STD	00300	04.25	34.47	27.36	00.310	1472.1							
	OBS	00300	04.25	34.470	27.36		1472.1							
	OBS	00325	03.79	34.470	27.41		1470.6							
	OBS	00329	04.22	34.560	27.43		1472.6							
	OBS	00335	04.30	34.560	27.43		1473.0							
	OBS	00350	03.87	34.507	27.43		1471.4							
	OBS	00375	04.23	34.640	27.50		1473.5							
	OBS	00380	04.42	34.650	27.52		1474.5							
	OBS	00384	04.71	34.69 P	27.480*									
	OBS	00390	05.53	34.850	27.55		1479.5							
	STD	00400	05.58	34.69	27.54	00.376	1475.8							
	OBS	00401	05.64	34.850	27.53		1480.1							
	OBS	00405	05.86	34.897	27.51		1481.0							
	OBS	00409	05.83	34.907	27.52		1481.0							
	OBS	00415	05.25	34.815	27.52		1476.6							
	OBS	00422	03.94	34.650	27.54		1473.1							
	OBS	00426	03.85	34.670	27.56		1472.8							
	OBS	00435	03.83	34.650	27.58		1472.9							



TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO5	PH
	085	00454	03.56	34.687	27.60			1472.1						
	085	00460	03.81	34.710	27.60			1473.3						
	085	00468	04.24	34.807	27.63			1475.3						
	085	00475	04.48	34.850	27.64			1476.5						
	STO	00500	04.75	34.89	27.64	00.434		1478.1						
	085	00500	04.75	34.895	27.64			1478.1						
	085	00525	04.86	34.903	27.64			1479.0						
	085	00550	04.88	34.910	27.64			1479.5						
	085	00576	04.90	34.907	27.63			1480.0						
	STO	00600	04.80	34.89	27.63	00.487		1479.9						
	085	00601	04.80	34.890	27.63			1480.0						
	085	00626	04.87	35.000	27.71			1480.8						
	085	00651	04.91	35.020	27.72			1481.4						
	085	00675	04.91	35.020	27.72			1481.6						
	STO	00700	04.72	34.95	27.72	00.537		1481.4						
	085	00702	04.70	34.950	27.72			1481.4						
	085	00725	04.53	34.90 P	27.670*									
	085	00750	04.42	34.89 P	27.680									
	085	00776	04.42	34.90 P	27.680									
	STO	00800	04.40	34.95	27.76	00.581		1481.7						
	085	00801	04.40	34.90 P	27.690*									
	085	00826	04.37	34.90 P	27.690									
	085	00850	04.30	34.90 P	27.700									
	085	00875	04.33	34.91 P	27.700									
	STO	00900	04.27	34.99	27.76	00.625		1483.3						
	085	00906	04.30	34.990	27.76			1483.4						
	085	00925	04.44	35.010	27.77			1484.0						
	085	00951	04.37	34.993	27.76			1484.1						
	085	00976	04.30	34.990	27.77			1484.3						
	STO	01000	04.28	34.95	27.77	00.669		1484.6						
	085	01001	04.28	34.990	27.77			1484.6						
	085	01022	04.28	34.990	27.77			1484.9						

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A

REFID 3# #355 YEAR 1973 BOTOP 03571 AIR TEMP 13.5 DIR MGT PER WIND-DIR 17 INST STO RECORDER TEN SG 150c  
 CONSEC 0113 MGNTM 05 SHIP EV MET BULB 12.0 DIR 02 2 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT +3 01 N DAY 22 DATA USE 1 BAROMETR 1020.1 SEA ORIGIN 011 258 2 SQUARE 26  
 LONG 046 59 W HOUR 01.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 258 1 SQUARE 36

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
01.0	STD	00000	09.93	33.18	25.57	00.000	1487.8							
	OBS	00005	09.93	33.184	25.57		1487.9							
	OBS	00010	09.92	33.182	25.57		1487.9							
	STD	00010	09.93	33.21	25.59	00.024	1488.0							
	OBS	00011	09.93	33.235	25.61		1488.1							
	OBS	00015	10.01	33.320	25.66		1488.5							
	OBS	00017	09.34	33.380	25.81		1486.2							
	STD	00020	07.75	33.50	26.15	00.046	1480.5							
	OBS	00020	07.41	33.521	26.22		1475.1							
	OBS	00026	06.10	33.515	26.39		1474.0							
	STD	00030	05.91	33.74	26.59	00.062	1473.5							
	OBS	00030	05.88	33.760	26.61		1473.5							
	OBS	00032	06.04	33.835	26.63		1474.2							
	OBS	00034	05.76	33.772	26.63		1473.0							
	OBS	00036	05.69	33.787	26.66		1472.6							
	OBS	00036	03.33	33.770	26.68		1471.4							
	OBS	00040	05.33	33.810	26.72		1471.4							
	OBS	00045	06.11	34.104	26.65		1475.1							
	STD	00050	06.06	34.10	26.85	00.085	1475.0							
	OBS	00055	05.78	34.037	26.84		1473.8							
	OBS	00060	05.55	34.000	26.84		1472.9							
	OBS	00066	04.70	34.007	26.94		1469.5							
	OBS	00070	05.00	34.015	26.92		1470.9							
	STD	00075	05.81	34.15	26.96	00.118	1474.5							
	OBS	00076	05.84	34.200	26.96		1474.6							
	OBS	00075	05.47	34.150	26.97		1473.1							
	OBS	00065	05.60	34.150	26.98		1473.8							
	OBS	00087	05.26	34.135	26.98		1472.4							
	STD	00100	04.85	34.13	27.03	00.145	1470.9							
	OBS	00100	04.83	34.133	27.03		1470.8							
	OBS	00123	04.49	34.153	27.08		1465.8							
	STD	00125	04.38	34.13	27.08	00.171	1469.3							
	OBS	00127	04.24	34.100	27.07		1466.7							
	OBS	00133	04.26	34.083	27.05		1468.9							
	OBS	00137	03.84	34.020	27.05		1467.1							
	OBS	00142	03.51	33.978	27.04		1465.8							
	OBS	00146	02.06	33.800	27.03		1459.3							
	STD	00150	01.66	33.80	27.06	00.196	1457.6							
	OBS	00150	01.63	33.800	27.06		1457.5							
	OBS	00156	01.44	33.880	27.14		1456.8							
	OBS	00158	01.47	33.867	27.13		1457.0							
	OBS	00167	02.13	33.942	27.14		1460.1							
	OBS	00175	02.15	34.030	27.18		1460.4							
	OBS	00180	02.45	34.000	27.15		1462.0							
	OBS	00188	03.38	34.200	27.23		1466.2							
	OBS	00150	03.60	34.216	27.23		1467.2							
	STD	00200	03.63	34.22	27.22	00.244	1467.5							
	OBS	00201	03.74	34.220	27.21		1468.0							
	OBS	00200	06.79	34.710	27.24		1481.5							
	OBS	00224	06.34	34.685	27.27		1475.7							
	OBS	00222	04.66	34.650	27.24		1481.1							
	OBS	00241	06.63	34.740	27.26		1481.1							
	STD	00250	06.71	34.71	27.25	00.287	1482.0							
	OBS	00251	06.63	34.700	27.25		1481.6							
	OBS	00260	05.62	34.558	27.27		1477.2							
	OBS	00262	05.64	34.555	27.27		1477.4							
	OBS	00272	05.08	34.518	27.31		1475.2							
	OBS	00275	04.85	34.510	27.33		1474.3							
	STD	00300	04.76	34.55	27.37	00.327	1474.4							
	OBS	00300	04.76	34.553	27.37		1474.4							
	OBS	00321	04.73	34.555	27.38		1474.6							
	OBS	00325	04.53	34.678	27.45		1475.7							
	OBS	00333	05.20	34.687	27.43		1476.9							
	OBS	00338	04.40	34.560	27.42		1473.5							
	OBS	00346	04.34	34.543	27.41		1473.4							
	OBS	00350	03.96	34.485	27.40		1471.8							
	OBS	00352	03.53	34.500	27.42		1471.7							
	OBS	00375	04.58	34.695	27.50		1475.0							
	OBS	00388	04.72	34.697	27.49		1475.8							
	OBS	00394	05.65	34.907	27.54		1480.2							
	OBS	00399	06.20	34.992	27.54		1482.4							
	STD	00400	06.20	34.99	27.54	00.356	1482.5							
	OBS	00401	06.21	34.950	27.54		1482.5							
	OBS	00426	06.32	35.025	27.55		1483.4							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N D O C S T A T I O N O A T A														
CASNUM/LINE	LVCTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	DAYG	PD4	TOT P	NO2	NO3	S103	PH
085	00437	06.35	35.020	27.54			1483.5							
085	00441	06.18	35.008	27.56			1485.1							
085	00447	06.15	35.013	27.56			1485.2							
085	00454	05.75	34.920	27.54			1481.5							
085	00458	05.44	34.860	27.55			1480.2							
085	00460	05.39	34.845	27.53			1480.0							
085	00464	05.14	34.840	27.55			1479.0							
085	00475	04.90	34.830	27.57			1478.2							
085	00476	05.03	34.840	27.57			1478.8							
ST0	00500	05.17	34.61	27.60	00.454		1476.8							
085	00500	05.17	34.607	27.60			1475.8							
085	00510	05.17	34.905	27.60			1480.0							
085	00515	04.63	34.815	27.55			1477.8							
085	00525	04.56	34.840	27.62			1477.6							
085	00531	05.05	34.610	27.62			1475.8							
085	00550	05.17	34.89 P	27.590*										
085	00552	05.17	34.84 P	27.540										
085	00572	05.94	35.045	27.62			1484.3							
085	00576	05.53	35.040	27.61			1484.4							
ST0	00600	05.46	35.05	27.68	00.507		1482.8							
085	00601	05.44	35.050	27.68			1482.8							
085	00620	05.39	35.050	27.65			1483.0							
085	00652	05.32	35.040	27.65			1483.1							
085	00675	05.14	35.040	27.71			1482.8							
ST0	00700	04.55	35.03	27.72	00.555		1482.6							
085	00700	04.55	35.050	27.72			1482.6							
085	00725	04.50	35.030	27.73			1482.6							
085	00751	05.03	35.050	27.73			1483.6							
085	00770	04.91	35.050	27.75			1483.5							
ST0	00800	04.57	35.05	27.75	00.603		1484.1							
085	00803	04.57	35.050	27.72			1484.2							
085	00828	04.56	35.030	27.72			1484.6							
085	00850	04.85	35.050	27.75			1484.5							
085	00875	04.67	35.030	27.76			1484.2							
ST0	00900	04.46	35.00	27.76	00.645		1483.7							
085	00900	04.46	35.000	27.76			1483.7							
085	00925	04.39	35.000	27.77			1483.8							
085	00951	04.35	34.990	27.76			1484.1							
085	00976	04.30	34.950	27.77			1484.3							
ST0	01000	04.35	35.00	27.78	00.693		1485.0							
085	01000	04.35	35.000	27.78			1485.0							
085	01033	04.40	35.000	27.76			1485.1							
085	01016	04.41	35.010	27.77			1485.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NUOC STATION DATA

REFID 31 8355 YEAR 1973 4JTOP 04513 AIR TEMP 14.9 OIR MGT PER WIND-OIR 15 INST STO RECORDER 7EN SW 1306  
 CONSEC 0114 MONTH 05 SHIP EV WET BULB 13.2 01 2 2 WIND-SFD 16 TRACE OIR 0 5 SQUARE 2  
 LAT 42 58 N DAY 22 DATA USE 1 BAROMETR 1019.3 SEA WIND-FDR QUARTION 2 SQUARE 26  
 LONG 346 21 W MOJR 03.9 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORIG 011 259 1 SQUARE 26

CASSTNUM/IME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPIH	SND VEL	DTYG	P04	TGT P	NOL	NO3	SIO3	PH
03.9	STO	00000	17.75	36.06	26.16	00.000	1517.0							
	OBS	00003	17.75	36.060	26.16		1517.1							
	STO	00010	17.76	36.06	26.16	00.015	1517.2							
	OBS	00013	17.76	36.065	26.16		1517.3							
	OBS	00015	17.69	36.065	26.18		1517.2							
	STO	00020	17.64	36.06	26.17	00.037	1517.0							
	OBS	00022	17.00	35.985	26.27		1515.0							
	OBS	00024	16.35	35.552	26.45		1513.1							
	STO	00030	16.00	36.05	26.36	00.054	1512.5							
	OBS	00030	16.05	36.058	26.57		1512.5							
	OBS	00040	16.15	36.110	26.55		1512.9							
	OBS	00041	15.96	36.081	26.61		1512.4							
	OBS	00047	15.75	36.022	26.61		1511.8							
	STO	00050	15.50	36.07	26.61	00.084	1512.3							
	OBS	00051	15.57	36.050	26.61		1512.6							
	STO	00075	15.51	36.03	26.67	00.115	1511.5							
	OBS	00076	15.45	36.027	26.67		1511.4							
	STO	00100	15.33	35.57	26.67	00.154	1511.1							
	OBS	00104	15.25	35.950	26.67		1511.0							
	STO	00125	14.85	35.85	26.68	00.150	1510.0							
	OBS	00125	14.85	35.850	26.68		1510.0							
	OBS	00137	14.50	35.850	26.74		1509.1							
	OBS	00140	14.17	35.730	26.73		1508.0							
	STO	00150	14.13	35.72	26.73	00.224	1508.0							
	OBS	00150	14.13	35.720	26.73		1508.0							
	OBS	00175	13.65	35.740	26.80		1507.6							
	STO	00200	13.62	35.70	26.83	00.291	1507.1							
	OBS	00201	13.41	35.700	26.83		1507.1							
	OBS	00226	13.57	35.740	26.87		1507.4							
	STO	00250	13.35	35.73	26.91	00.354	1507.0							
	OBS	00251	13.34	35.730	26.91		1507.0							
	OBS	00276	13.16	35.700	26.92		1506.8							
	OBS	00281	12.86	35.600	26.90		1505.8							
	STO	00300	12.72	35.58	26.92	00.415	1505.6							
	OBS	00300	12.70	35.580	26.92		1505.5							
	OBS	00321	11.88	35.517	27.03		1503.0							
	OBS	00327	11.56	35.520	27.02		1503.4							
	OBS	00350	11.44	35.500	27.05		1502.0							
	OBS	00361	11.23	35.480	27.13		1501.3							
	OBS	00375	10.85	35.390	27.12		1500.1							
	OBS	00355	10.35	35.350	27.18		1498.7							
	STO	00400	10.34	35.35	27.18	00.526	1498.6							
	OBS	00405	10.15	35.250	27.17		1498.0							
	OBS	00426	09.67	35.230	27.21		1496.5							
	OBS	00451	09.11	35.180	27.26		1494.8							
	OBS	00475	08.71	35.170	27.32		1493.7							
	STO	00500	08.39	35.19	27.38	00.615	1492.9							
	OBS	00500	08.38	35.190	27.38		1492.8							
	OBS	00519	08.18	35.160	27.35		1492.4							
	OBS	00521	07.61	35.075	27.41		1490.3							
	OBS	00546	07.02	34.954	27.40		1488.1							
	OBS	00555	06.60	34.890	27.41		1486.5							
	OBS	00565	06.37	34.920	27.46		1485.8							
	OBS	00571	06.66	34.955	27.45		1487.0							
	OBS	00574	06.28	34.910	27.47		1485.5							
	OBS	00576	06.22	34.890	27.46		1485.3							
	OBS	00576	06.21	34.900	27.47		1485.3							
	OBS	00582	06.65	35.035	27.52		1487.5							
	OBS	00597	06.39	34.96 P	27.450*									
	STO	00600	06.35	35.00	27.52	00.686	1486.5							
	OBS	00601	06.35	35.000	27.52		1486.5							
	OBS	00612	06.66	35.050	27.53		1487.9							
	OBS	00626	06.75	35.150	27.55		1488.5							
	OBS	00632	06.84	35.150	27.58		1485.0							
	OBS	00656	06.57	35.050	27.56		1487.4							
	OBS	00675	06.13	35.040	27.55		1486.8							
	STO	00700	05.92	35.04	27.61	00.750	1486.4							
	OBS	00700	05.92	35.037	27.61		1486.4							
	OBS	00725	05.76	35.030	27.63		1486.1							
	OBS	00740	05.71	35.04 P	27.640									
	OBS	00750	05.63	35.050	27.62		1487.2							
	OBS	00776	05.81	35.045	27.63		1487.2							
	STO	00800	05.61	35.04	27.65	00.807	1486.8							
	OBS	00801	05.60	35.040	27.66		1486.7							
	OBS	00826	05.35	35.040	27.66		1486.3							
	OBS	00850	05.35	35.040	27.65		1486.5							
	OBS	00875	05.22	35.027	27.69		1486.4							
	STO	00900	05.08	35.05	27.73	00.855	1486.3							
	OBS	00900	05.08	35.050	27.73		1486.3							
	OBS	00927	05.01	35.040	27.75		1486.4							
	OBS	00951	04.93	35.050	27.74		1486.5							
	OBS	00976	04.83	35.040	27.75		1486.5							
	STO	01000	04.75	35.03	27.75	00.907	1486.6							
	OBS	01001	04.75	35.030	27.75		1486.6							
	OBS	01016	04.71	35.030	27.75		1486.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A																
REFID	SI	8:55	YEAR	1973	BOTOP	0455	AIR TEMP	14.4	DIR HGT	PER	WIND-DIR	04	INST STO	RECORDER	TEN SW	1304
CONSEC	0115	MCNTH	05	SHIP EV	WET BULB	13.8	04	3	3	WIND-SPD	16	TRALE DIR			5 SQUARE	2
LAT	4.42 N	DAY	22	DATA USE	1	BAROMETR	1019.2	SEA		WIND-FJR		DURATION			2 SQUARE	06
LONG	046 03 W	HOUR	13.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	AL	ORIG	011	300	1 SQUARE	16
CASNUM/TIME	LVLTF	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DTYG	P04	TOT P	NO2	NO3	SIQ3	PH		
13.0	STD	00300	17.01	35.93	26.12	00.000	1546.2									
	OBS	00301	17.51	35.920	26.12		1516.2									
	STD	00310	17.51	35.93	26.12	00.015	1516.3									
	OBS	00311	17.50	35.922	26.13		1516.3									
	OBS	00315	17.44	35.935	26.15		1516.2									
	STD	00320	17.10	35.90	26.20	00.026	1515.2									
	OBS	00320	16.83	35.855	26.20		1514.5									
	OBS	00324	16.32	35.985	26.45		1513.1									
	OBS	00328	15.72	36.022	26.61		1511.4									
	STD	00330	15.69	36.04	26.62	00.054	1511.3									
	OBS	00330	15.68	36.042	26.64		1511.3									
	STD	00350	15.50	36.04	26.68	00.082	1511.1									
	OBS	00351	15.48	36.040	26.68		1511.0									
	STD	00375	14.87	35.85	26.70	00.117	1505.3									
	OBS	00376	14.84	35.880	26.70		1505.2									
	STD	00100	14.22	35.73	26.72	00.151	1507.4									
	OBS	00100	14.20	35.728	26.72		1507.4									
	STD	00125	13.83	35.72	26.60	00.184	1506.6									
	OBS	00125	13.82	35.720	26.60		1506.6									
	STD	00150	13.22	35.60	26.65	00.216	1504.8									
	OBS	00150	13.21	35.600	26.63		1504.8									
	OBS	00175	12.52	35.527	26.84		1504.1									
	STD	00130	12.62	35.55	26.87	00.279	1503.5									
	OBS	00131	12.61	35.455	26.87		1503.5									
	OBS	00126	12.55	35.457	26.85		1503.7									
	STD	00250	12.04	35.41	26.92	00.340	1502.1									
	OBS	00253	12.01	35.355	26.91		1502.2									
	OBS	00277	12.35	35.507	26.99		1502.6									
	STD	00300	11.93	35.49	27.01	00.399	1502.7									
	OBS	00300	11.89	35.450	27.01		1502.6									
	OBS	00304	11.82	35.500	27.03		1502.5									
	OBS	00325	11.14	35.350	27.07		1500.3									
	OBS	00338	10.83	35.350	27.10		1455.3									
	OBS	00348	10.39	35.253	27.10		1457.6									
	OBS	00353	10.33	35.240	27.10		1457.6									
	OBS	00354	10.27	35.257	27.12		1457.5									
	OBS	00361	09.91	35.170	27.12		1455.2									
	OBS	00365	09.74	35.160	27.14		1455.7									
	OBS	00376	09.20	35.050	27.14		1455.7									
	OBS	00384	07.95	34.850	27.17		1456.0									
	STD	00400	07.94	34.85	27.22	00.503	1485.1									
	OBS	00405	07.94	34.695	27.22		1485.2									
	OBS	00426	07.45	34.840	27.25		1437.0									
	OBS	00430	07.28	34.800	27.24		1436.9									
	OBS	00434	06.86	34.710	27.23		1485.2									
	OBS	00435	06.84	34.695	27.22		1485.2									
	OBS	00443	06.31	35.040	27.28		1451.4									
	OBS	00453	08.47	35.170	27.36		1452.4									
OBS	00475	07.77	35.040	27.36		1484.9										
OBS	00477	07.76	35.045	27.37		1484.9										
OBS	00485	06.70	34.855	27.35		1485.6										
OBS	00496	06.38	34.815	27.38		1484.6										
STD	00500	06.25	34.75	27.37	00.586	1484.0										
OBS	00502	06.25	34.740	27.36		1483.1										
OBS	00525	05.93	34.62 P	27.44 W												
OBS	00540	05.82	34.75 P	27.43 W												
OBS	00544	05.55	34.710	27.40		1401.8										
OBS	00550	05.44	34.700	27.41		1401.5										
OBS	00567	05.32	34.780	27.46		1481.4										
OBS	00573	04.75	34.700	27.48		1475.2										
OBS	00576	04.65	34.670	27.48		1478.6										
OBS	00582	04.01	34.560	27.46		1475.5										
OBS	00584	03.55	34.550	27.45		1475.8										
OBS	00590	05.07	34.820	27.55		1480.8										
STD	00600	05.05	34.81	27.54	00.655	1480.9										
OBS	00601	05.05	34.800	27.53		1480.5										
OBS	00605	04.53	34.773	27.52		1480.4										
OBS	00611	04.44	34.690	27.51		1478.4										
OBS	00620	04.72	34.800	27.57		1475.8										
OBS	00628	05.36	34.853	27.57		1482.7										
OBS	00645	05.46	34.647	27.60		1483.5										
OBS	00651	06.01	35.040	27.60		1485.9										
OBS	00675	05.56	35.030	27.60		1486.2										
OBS	00685	05.69	35.010	27.62		1485.1										
STD	00700	05.63	35.01	27.63	00.715	1485.1										
OBS	00700	05.63	35.015	27.63		1485.2										
OBS	00711	05.64	35.050	27.66		1485.4										
OBS	00717	05.28	35.020	27.66		1484.0										
OBS	00725	05.23	34.990	27.66		1483.9										
OBS	00744	05.14	35.010	27.69		1482.5										
OBS	00750	05.51	35.050	27.67		1483.5										
OBS	00770	04.59	35.000	27.70		1483.8										
STD	00800	05.10	35.04	27.71	00.771	1484.0										
OBS	00801	05.14	35.040	27.71		1484.9										
OBS	00818	05.32	35.035	27.69		1485.9										
OBS	00826	05.00	35.010	27.70		1484.7										
OBS	00860	04.72	34.950	27.72		1484.1										
OBS	00875	04.75	34.950	27.72		1484.4										
STD	00900	04.73	35.00	27.73	00.820	1484.8										
OBS	00900	04.73	35.003	27.73		1484.8										
OBS	00925	04.65	35.000	27.73		1485.0										
OBS	00951	04.64	35.000	27.74		1485.3										
OBS	00957	04.49	34.990	27.75		1485.4										
STD	01000	04.53	34.95	27.74	00.867	1485.6										
OBS	01001	04.55	34.													

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOODC STATION DATA

REFID 31 8555 YEAR 1973 BOTOP 04420 AIR TEMP 15.0 DIR MGT PER WIND-DIR 04 INST STO RECORDER TEN SW 1306  
 CONSEC 0116 MONTH 05 SHIP EV MET DULB 12.8 04 2 3 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 42 01.5N DAY 22 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 06 43 W HOUR 17.2 AREA 05 CLOUD 1/A CL/TR WEATHER X0 ORIG 011 301 1 SQUARE 26

CASTNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PC4	TOT P	MO2	NO3	SI03	PH
17.2	STD	00000	10.35	33.18	25.48	00.000	1485.3							
	085	00001	10.35	33.160	25.48		1485.3							
	085	00005	10.35	33.182	25.50		1485.4							
	STD	00010	09.95	33.19	25.57	00.025	1488.1							
	085	00011	09.70	33.187	25.61		1487.2							
	085	00015	08.71	33.228	25.80		1483.0							
	085	00017	08.49	33.230	25.83		1482.8							
	STD	00020	07.01	33.21	26.03	00.047	1477.1							
	085	00020	06.64	33.212	26.08		1475.6							
	085	00024	05.55	33.240	26.24		1471.3							
	085	00028	05.26	33.326	26.34		1470.3							
	STD	00030	04.59	33.31	26.40	00.065	1467.6							
	085	00030	04.41	33.302	26.42		1464.8							
	085	00034	03.47	33.407	26.47		1464.11							
	085	00038	03.50	33.411	26.56		1464.9							
	085	00038	04.01	33.450	26.58		1465.4							
	085	00040	03.54	33.460	26.59		1465.2							
	085	00041	03.49	33.470	26.64		1463.3							
	085	00043	03.60	33.532	26.68		1463.9							
	085	00047	04.24	33.665	26.72		1466.8							
	STD	00050	04.00	33.66	26.74	00.094	1465.9							
	085	00051	03.86	33.655	26.75		1465.3							
	085	00053	04.32	33.827	26.84		1467.5							
	085	00057	05.23	33.930	26.82		1471.5							
	085	00060	04.03	33.760	26.82		1466.3							
	085	00062	03.66	33.710	26.82		1464.7							
	085	00066	02.85	33.687	26.88		1461.2							
	085	00068	02.67	33.785	26.97		1460.7							
	085	00072	02.32	33.742	26.96		1459.1							
	STD	00075	02.19	33.77	26.99	00.124	1458.6							
	085	00076	02.15	33.775	27.00		1458.5							
	085	00079	02.09	33.793	27.02		1458.3							
	085	00080	01.12	33.820	27.04		1458.6							
	085	00097	02.56	33.937	27.10		1460.9							
	STD	00100	02.99	33.99	27.11	00.150	1462.8							
	085	00100	02.09	34.007	27.11		1463.3							
	085	00110	03.19	34.020	27.11		1463.9							
	085	00116	03.94	34.215	27.19		1467.5							
	085	00121	04.06	34.215	27.18		1468.1							
	STD	00125	03.85	34.21	27.20	00.173	1467.2							
	085	00127	03.74	34.210	27.21		1466.8							
	085	00146	04.19	34.300	27.23		1469.1							
	STD	00150	04.43	34.32	27.22	00.195	1470.2							
	085	00154	04.65	34.355	27.23		1471.2							
	085	00165	04.65	34.490	27.31		1472.4							
	085	00171	04.60	34.463	27.32		1471.5							
	085	00175	04.74	34.470	27.31		1472.1							
	085	00182	04.53	34.470	27.33		1471.4							
	085	00194	05.26	34.560	27.32		1474.8							
	085	00196	05.25	34.545	27.31		1474.6							
	085	00199	04.86	34.565	27.37		1473.1							
	STD	00200	04.86	34.56	27.37	00.236	1473.1							
	085	00201	04.82	34.565	27.37		1473.0							
	085	00205	04.69	34.550	27.38		1472.5							
	085	00209	04.96	34.570	27.36		1473.7							
	085	00115	04.63	34.550	27.36		1473.2							
	085	00220	04.42	34.537	27.40		1471.6							
	085	00226	04.35	34.553	27.41		1471.8							
	085	00232	04.00	34.480	27.39		1470.0							
	STD	00250	04.57	34.54	27.41	00.274	1471.9							
	085	00251	04.34	34.550	27.41		1472.0							
	085	00276	04.47	34.654	27.48		1472.9							
	085	00298	05.45	34.895	27.54		1478.2							
	STD	00300	05.65	34.91	27.54	00.304	1478.6							
	085	00304	06.01	34.970	27.55		1480.1							
	085	00325	05.98	34.990	27.57		1480.3							
	085	00340	05.40	34.935	27.57		1478.1							
	085	00350	05.35	34.880	27.56		1478.0							
	085	00375	05.41	34.910	27.58		1478.7							
	085	00382	05.35	34.910	27.58		1478.6							
	085	00386	05.60	35.020	27.64		1475.8							
	STD	00400	05.79	35.04	27.63	00.360	1480.9							
	085	00401	05.81	35.040	27.63		1481.0							
	085	00411	05.94	35.03 P	27.600*									

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
CAS7NUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
065	00416		04.69	34.897	27.63		1477.5							
085	00426		04.93	34.905	27.63		1477.6							
065	00451		04.80	34.855	27.64		1477.5							
065	00460		04.85	34.850	27.63		1477.8							
065	00466		05.31	35.035	27.69		1480.0							
085	00475		05.35	35.050	27.69		1480.4							
ST0	00500		05.42	35.04	27.67	00.411	1481.0							
085	00500		05.55 P	35.035	27.650									
085	00525		05.50	35.045	27.67		1481.8							
085	00550		05.50	35.050	27.70		1481.4							
085	00576		05.29	35.030	27.69		1481.7							
ST0	00600		05.17	35.04	27.71	00.459	1481.7							
085	00601		05.16	35.044	27.71		1481.6							
085	00626		05.04	35.040	27.72		1481.6							
085	00651		04.99	35.040	27.73		1481.8							
085	00675		04.89	35.030	27.73		1481.7							
ST0	00700		04.67	35.03	27.74	00.505	1482.1							
085	00700		04.67	35.032	27.74		1482.1							
085	00725		04.85	35.030	27.74		1482.3							
085	00750		04.82	35.030	27.74		1482.7							
085	00776		04.76	35.030	27.75		1482.0							
ST0	00800		04.75	35.03	27.75	00.550	1482.2							
085	00801		04.74	35.030	27.75		1482.2							
085	00826		04.55	35.030	27.77		1482.8							
085	00850		04.45	35.027	27.78		1482.8							
085	00875		04.54	35.007	27.78		1482.8							
ST0	00900		04.26	35.00	27.78	00.594	1482.8							
085	00904		04.26	34.997	27.78		1482.9							
085	00925		04.31	35.010	27.78		1483.5							
085	00951		04.26	35.000	27.78		1483.7							
085	00976		04.24	35.000	27.76		1484.0							
ST0	01000		04.19	34.99	27.78	00.636	1484.2							
085	01001		04.19	34.990	27.78		1484.2							
085	01022		04.17	34.955	27.79		1484.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOODC STATION DATA

REFID 31 8395 YEAR 1973 BOTOP 3528 AIR TEMP 11.2 OIR MGT PER WIND-DIR 04 INST STO RECORDR TEN SQ 1306  
 CONSEC 0117 MJMTM 05 SHIP EV WET BULB 10.7 05 2 3 WIND-SPO 09 TRACE OIR 0 5 SQUARE 2  
 LAT 42 20.5N DAY 22 DATA USE 1 BAROMETER 1020.2 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 147 22 W MOJR 21.3 AREA 05 CLOUD T/A CL/T/A WEATHER AO ORIG 011 302 1 SQUARE 27

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
21.3	STD	00000	10.24	33.25	25.57	00.000	1489.0							
	OBS	00005	10.24	33.255	25.57		1489.1							
	OBS	00007	13.50	35.527	26.70		1503.5							
	STD	00010	13.59	35.53	26.70	00.019	1503.7							
	OBS	00011	13.61	35.530	26.70		1503.7							
	STD	00020	13.68	35.68	26.79	00.032	1504.3							
	OBS	00022	13.69	35.694	26.81		1504.4							
	OBS	00026	13.67	35.686	26.81		1504.4							
	STD	00030	13.61	35.66	26.80	00.045	1504.2							
	OBS	00036	13.30	35.590	26.79		1503.5							
	STD	00050	13.14	35.59	26.84	00.070	1502.9							
	OBS	00051	13.11	35.594	26.85		1502.8							
	OBS	00060	12.91	35.520	26.83		1502.2							
	STD	00075	12.76	35.52	26.86	00.100	1501.9							
	OBS	00076	12.79	35.540	26.86		1501.9							
	STD	00100	12.64	35.51	26.88	00.131	1501.9							
	OBS	00100	12.63	35.510	26.88		1501.9							
	OBS	00119	12.23	35.470	26.95		1500.8							
	STD	00125	12.01	35.56	26.92	00.160	1502.5							
	OBS	00125	12.05	35.570	26.92		1502.5							
	OBS	00129	12.39	35.685	26.92		1501.4							
	OBS	00135	11.62	35.268	26.91		1498.7							
	OBS	00140	10.53	35.040	26.91		1494.7							
	STD	00150	09.90	34.90	26.91	00.190	1495.3							
	OBS	00150	09.88	34.890	26.91		1492.3							
	OBS	00154	09.79	35.023	27.02		1492.2							
	OBS	00156	10.02	35.035	27.00		1493.1							
	OBS	00161	09.85	35.036	27.03		1492.5							
	OBS	00165	09.35	34.933	27.00		1493.6							
	OBS	00177	09.56	35.042	27.08		1491.7							
	OBS	00182	09.35	35.040	27.11		1491.1							
	OBS	00186	09.07	34.998	27.12		1490.0							
	OBS	00192	09.04	35.005	27.14		1490.0							
	OBS	00194	09.31	35.030	27.11		1491.1							
	STD	00200	09.32	35.04	27.12	00.244	1491.2							
	OBS	00201	09.32	35.045	27.12		1491.3							
	OBS	00220	08.51	34.877	27.15		1487.7							
	OBS	00230	08.15	34.835	27.14		1487.1							
	OBS	00236	07.31	34.700	27.16		1483.7							
	OBS	00237	07.23	34.700	27.17		1483.5							
	OBS	00245	06.78	34.617	27.17		1481.7							
	STD	00250	06.69	34.67	27.22	00.292	1481.5							
	OBS	00251	06.65	34.677	27.23		1481.4							
	OBS	00257	06.56	34.660	27.26		1480.3							
	OBS	00260	06.07	34.810	27.31		1482.6							
	OBS	00276	07.14	34.840	27.29		1483.9							
	OBS	00281	07.10	34.840	27.29		1484.1							
	OBS	00291	06.87	34.750	27.29		1483.0							
	OBS	00295	06.44	34.710	27.29		1481.3							
	STD	00300	06.20	34.69	27.30	00.355	1480.7							
	OBS	00300	06.24	34.690	27.30		1480.6							
	OBS	00321	05.98	34.685	27.33		1479.9							
	OBS	00327	04.92	34.552	27.35		1475.5							
	OBS	00331	04.98	34.550	27.34		1475.8							
	OBS	00336	05.39	34.657	27.39		1476.6							
	OBS	00350	05.92 P	34.80 P	27.430									
	OBS	00354	05.98 P	34.81 P	27.430									
	OBS	00357	05.53	34.700	27.40		1478.7							
	OBS	00365	04.76	34.560	27.38		1475.4							
	OBS	00375	04.91	34.690	27.46		1476.4							
	OBS	00395	04.92	34.710	27.48		1476.8							
	STD	00400	04.12	34.62	27.49	00.406	1473.4							
	OBS	00405	03.63	34.560	27.50		1471.4							
	OBS	00407	03.62	34.560	27.50		1471.4							
	OBS	00409	03.62	34.570	27.50		1471.4							
	OBS	00413	04.16	34.675	27.53		1473.9							
	OBS	00416	04.17	34.680	27.54		1474.0							
	OBS	00420	04.82	34.810	27.57		1476.9							
	OBS	00426	04.94	34.810	27.55		1477.5							
	OBS	00432	05.11	34.825	27.55		1478.3							
	OBS	00436	05.40	34.910	27.53		1481.4							
	OBS	00453	05.77	34.910	27.53		1481.5							
	OBS	00468	04.94	34.840	27.56		1478.3							
	OBS	00472	05.37	34.905	27.58		1480.2							



TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
CASSTNO4/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	SI03	PH
085	00475	05.40	34.850	27.56			1480.3							
085	00481	05.46	34.875	27.62			1480.8							
085	00485	05.82	35.040	27.63			1482.4							
ST0	00500	05.82	35.03	27.62		00.468	1482.6							
085	00502	05.82	35.030	27.62			1482.7							
085	00525	05.65	35.050	27.65			1482.5							
085	00550	05.60	35.050	27.66			1482.6							
085	00576	05.50	35.050	27.68			1482.6							
ST0	00600	05.54	35.05	27.67		00.521	1483.2							
085	00601	05.54	35.047	27.67			1483.2							
085	00626	05.30	35.030	27.68			1482.6							
085	00651	05.26	35.050	27.71			1482.5							
085	00675	05.17	35.050	27.72			1482.5							
ST0	00700	04.82	35.01	27.73		00.565	1481.5							
085	00700	04.82	35.010	27.73			1481.8							
085	00725	04.65	35.000	27.73			1481.7							
085	00750	04.60	35.000	27.74			1481.7							
085	00776	04.68	35.025	27.75			1482.5							
ST0	00800	04.72	35.03	27.75		00.615	1485.1							
085	00801	04.72	35.032	27.75			1483.1							
085	00826	04.71	35.040	27.76			1483.5							
085	00850	04.71	35.040	27.76			1483.9							
085	00875	04.57	35.025	27.77			1483.7							
ST0	00900	04.55	35.03	27.77		00.655	1484.1							
085	00900	04.55	35.030	27.77			1484.1							
085	00925	04.45	35.030	27.78			1484.2							
085	00951	04.44	35.030	27.78			1484.6							
085	00978	04.47	35.030	27.78			1485.0							
ST0	01000	04.45	35.02	27.78		00.702	1485.3							
085	01001	04.45	35.020	27.77			1485.3							
085	01014	04.48	35.034	27.76			1485.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N O A T A

REFID 51 8355 YEAR 1573 BOTOP 03-23 AIR TEMP 13.5 DJR MGT PER WIND-OIR 08 INST STD RECORDER TEN SQ 1504  
 CONSEC 0118 MCNTH 05 S-MIP EV MET BULB 12.0 07 1 2 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 42 37 N DAY 23 DATA USE 1 BAROMETER 1021.2 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 147 55 W HOUR 01.4 AREA 05 CLOUD T/A CL/TR WEATHER AJ ORIG 011 303 1 SQUARE 27

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
01.4	STO	00300	15.36	35.72	26.46	00.000	1509.4							
	08S	00303	15.36	35.720	26.46		1509.5							
	STO	00310	15.36	35.73	26.47	00.016	1509.6							
	08S	00311	15.36	35.727	26.47		1509.6							
	STO	00320	15.36	35.72	26.46	00.032	1509.7							
	08S	00322	15.36	35.720	26.46		1509.8							
	STO	00330	15.37	35.72	26.47	00.047	1509.9							
	08S	00330	15.37	35.725	26.47		1509.9							
	08S	00034	15.24	35.730	26.50		1509.6							
	08S	00036	14.98	35.663	26.52		1508.8							
	08S	00040	14.14	35.532	26.59		1505.5							
	STO	00050	14.04	35.58	26.64	00.077	1505.8							
	08S	00051	13.97	35.565	26.66		1505.6							
	08S	00053	13.86	35.573	26.68		1505.3							
	STO	00075	13.93	35.56	26.66	00.113	1505.9							
	08S	00076	13.63	35.552	26.68		1505.9							
	08S	00079	14.25	35.720	26.71		1507.2							
	STO	00100	13.83	35.71	26.75	00.146	1506.1							
	08S	00100	13.81	35.710	26.75		1506.1							
	08S	00108	13.63	35.658	26.82		1505.6							
	08S	00118	13.37	35.600	26.80		1504.8							
	STO	00125	13.21	35.59	26.83	00.178	1504.4							
	08S	00125	13.20	35.590	26.83		1504.3							
	STO	00150	12.95	35.52	26.82	00.210	1503.8							
	08S	00150	12.95	35.520	26.82		1503.8							
	08S	00182	12.95	35.390	26.80		1502.6							
	STO	00200	12.39	35.36	26.82	00.274	1502.5							
	08S	00200	12.37	35.373	26.83		1502.7							
	08S	00226	12.25	35.417	26.87		1502.7							
	08S	00230	12.25	35.500	26.90		1504.0							
	STO	00250	12.62	35.54	26.95	00.336	1504.0							
	08S	00251	12.51	35.542	26.95		1504.0							
	08S	00276	12.46	35.570	27.00		1503.7							
	08S	00277	12.25	35.560	27.01		1503.6							
	08S	00281	12.01	35.512	27.00		1502.9							
	STO	00300	11.93	35.48	26.99	00.395	1502.6							
	08S	00300	11.93	35.480	26.99		1502.8							
	08S	00310	11.60	35.465	27.04		1501.8							
	08S	00325	10.93	35.383	27.10		1499.6							
	08S	00336	10.65	35.330	27.11		1498.8							
	08S	00340	10.34	35.250	27.11		1497.4							
	08S	00348	10.10	35.245	27.14		1496.8							
	08S	00350	09.88	35.160	27.12		1495.5							
	08S	00375	09.64	35.257	27.20		1496.3							
	STO	00400	09.56	35.25	27.24	00.499	1495.7							
	08S	00401	09.53	35.250	27.25		1495.6							
	08S	00426	08.95	35.173	27.28		1493.7							
	08S	00451	08.11	35.045	27.31		1490.8							
	08S	00475	07.61	35.045	27.39		1489.3							
	STO	00500	07.01	35.00	27.44	00.582	1487.3							
	08S	00500	07.00	35.000	27.44		1487.3							
	08S	00525	06.77	34.995	27.47		1486.8							
	08S	00542	06.25	34.910	27.47		1484.5							
	08S	00546	06.14	34.885	27.46		1484.5							
	08S	00550	06.03	34.890	27.48		1484.1							
	08S	00561	06.00	34.903	27.50		1484.2							
	08S	00565	05.74	34.900	27.53		1483.2							
	08S	00576	06.11	35.030	27.58		1485.1							
	STO	00600	06.35	35.04	27.56	00.650	1486.4							
	08S	00601	06.35	35.040	27.56		1486.4							
	08S	00626	06.25	35.040	27.57		1486.4							
	08S	00651	06.15	35.035	27.58		1486.5							
	08S	00675	05.93	35.045	27.62		1486.0							
	STO	00700	05.83	35.04	27.62	00.710	1486.0							
	08S	00700	05.83	35.035	27.62		1486.0							
	08S	00725	05.65	35.050	27.65		1485.9							
	08S	00751	05.42	35.030	27.67		1485.2							
	08S	00776	05.42	35.040	27.68		1485.6							
	STO	00800	05.19	35.03	27.70	00.764	1485.0							
	08S	00801	05.18	35.030	27.70		1485.0							
	08S	00810	05.16	35.035	27.71		1485.1							
	08S	00814	04.93	35.010	27.71		1484.2							
	08S	00826	04.62	35.000	27.72		1483.5							
	08S	00849	05.07	35.040	27.72		1485.4							
	08S	00852	04.82	35.000	27.72		1484.4							
	08S	00875	04.85	35.030	27.73		1485.1							
	STO	00900	04.64	35.00	27.74	00.812	1484.4							
	08S	00900	04.64	35.000	27.74		1484.4							
	08S	00925	04.54	34.952	27.74		1484.4							
	08S	00955	04.50	34.950	27.75		1484.7							
	08S	00976	04.52	34.997	27.75		1485.2							
	STO	01000	04.48	35.00	27.75	00.859	1485.4							
	08S	01001	04.48	34.997	27.75		1485.4							
	08S	01016	04.42	34.990	27.75		1485.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 0355 YEAR 1973 BOTUP 03054 AIR TEMP 15.0 DIR HG7 PER WIND-DIR 06 INST STO RECORDER TEN 30 1306  
 CUNSEC 0115 MONTH 05 SHIP EV WET BULB 12.5 OS 1 2 WIND-SPO 16 TRACE DIR 5 SOJARE 2  
 LAT 42 56.5N DAY 23 DATA USE 1 BAROMETER 1020.5 SEA WIND-FPK DURATION 2 SOJARE 28  
 LONG 048 22 W HOUR 04.0 AREA 05 CLOUD T/A CL/TR WEATHER AD ORIG 011 304 1 SOJARE 28

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
04.0	STD	00000	15.05	35.73	26.54	00.000	1502.5							
	DBS	00003	15.05	35.734	26.54		1508.5							
	STD	00010	15.05	35.74	26.55	00.015	1508.6							
	DBS	00011	15.05	35.738	26.55		1508.6							
	STD	00020	15.06	35.73	26.54	00.030	1508.8							
	DBS	00020	15.06	35.730	26.54		1508.8							
	STD	00030	14.92	35.71	26.56	00.045	1508.5							
	DBS	00030	14.94	35.702	26.57		1508.2							
	DBS	00032	14.45	35.660	26.61		1507.1							
	DBS	00034	14.35	35.714	26.68		1506.8							
	DBS	00036	14.40	35.725	26.68		1507.0							
	DBS	00040	14.11	35.678	26.71		1506.0							
	DBS	00043	14.06	35.700	26.73		1506.0							
	DBS	00045	13.67	35.550	26.75		1504.6							
	STD	00050	13.64	35.55	26.74	00.075	1504.6							
	DBS	00051	13.58	35.591	26.75		1504.4							
	STD	00075	13.68	35.72	26.63	00.108	1505.2							
	DBS	00076	13.68	35.720	26.65		1505.3							
	STD	00100	13.61	35.72	26.64	00.137	1505.4							
	DBS	00100	13.60	35.721	26.65		1505.4							
	STD	00125	13.30	35.71	26.50	00.167	1504.8							
	DBS	00125	13.29	35.58	26.80		1504.1							
	DBS	00146	13.02	35.550	26.86		1503.6							
	STD	00150	12.86	35.56	26.87	00.158	1503.3							
	DBS	00152	12.77	35.540	26.88		1502.8							
	DBS	00175	12.53	35.490	26.88		1502.8							
	STD	00200	12.43	35.48	26.50	00.255	1502.8							
	DBS	00201	12.45	35.480	26.50		1502.9							
	DBS	00226	12.41	35.520	26.53		1503.2							
	DBS	00234	12.70	35.485	26.55		1502.6							
	DBS	00239	11.80	35.375	26.94		1501.2							
	DBS	00241	11.72	35.365	26.94		1500.9							
	DBS	00245	11.33	35.273	26.95		1499.5							
	STD	00250	11.33	35.25	27.01	00.317	1499.7							
	DBS	00251	11.33	35.370	27.02		1499.7							
	DBS	00266	11.55	35.400	27.00		1500.9							
	DBS	00274	11.33	35.360	27.01		1500.1							
	DBS	00277	10.50	35.260	27.01		1498.5							
	DBS	00281	10.78	35.250	27.03		1498.1							
	DBS	00298	09.88	35.045	27.03		1495.9							
	STD	00300	09.74	35.04	27.05	00.373	1495.4							
	DBS	00300	09.64	35.035	27.06		1494.0							
	DBS	00315	09.58	35.180	27.18		1494.3							
	DBS	00323	09.88	35.240	27.18		1495.6							
	DBS	00325	09.97	35.245	27.17		1495.9							
	DBS	00350	09.87	35.250	27.19		1494.0							
	DBS	00356	09.72	35.230	27.20		1495.5							
	DBS	00359	09.25	35.160	27.22		1493.9							
	DBS	00365	09.52	35.175	27.22		1494.1							
	DBS	00369	08.67	35.040	27.22		1491.6							
	DBS	00371	08.57	35.025	27.23		1491.2							
	DBS	00376	08.10	34.910	27.21		1485.4							
	DBS	00378	08.01	34.905	27.22		1485.1							
	DBS	00382	08.49	35.050	27.26		1491.1							
	DBS	00399	08.00	35.030	27.32		1489.5							
	STD	00400	08.02	35.03	27.32	00.465	1489.6							
	DBS	00403	08.18	35.040	27.30		1490.3							
	DBS	00426	07.66	35.040	27.38		1488.7							
	DBS	00454	06.54	34.922	27.39		1486.2							
	DBS	00474	06.71	34.910	27.41		1485.6							
	DBS	00461	07.09	35.050	27.45		1487.4							
	DBS	00489	06.91	35.030	27.48		1486.8							
	DBS	00456	06.05	34.895	27.48		1483.3							
	STD	00500	05.93	34.87	27.48	00.545	1482.5							
	DBS	00502	05.85	34.855	27.48		1482.5							
	DBS	00515	05.61	34.840	27.50		1481.8							
	DBS	00521	05.28	34.800	27.51		1480.5							
	DBS	00523	05.23	34.830	27.53		1480.4							
	DBS	00529	05.77	34.903	27.53		1482.7							
	DBS	00534	05.84	34.895	27.51		1483.1							
	DBS	00540	06.46	35.040	27.54		1485.5							
	DBS	00555	06.43	35.103	27.57		1486.9							
	DBS	00565	06.43	35.103	27.57		1487.1							
	DBS	00576	06.45	35.050	27.55		1486.4							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A														
CASSTN/JM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	JAYG	P34	TOT P	NO2	NO3	S103	PH
085	00500	06.43	35.340	27.55			1486.4							
085	00502	05.57	34.890	27.54			1482.8							
STD	00600	05.28	34.90	27.59		00.609	1481.9							
085	00601	05.27	34.935	27.59			1481.9							
085	00622	05.42	34.915	27.58			1482.9							
085	00632	05.82	35.030	27.62			1484.8							
085	00651	05.76	35.050	27.64			1484.9							
085	00675	05.66	35.050	27.66			1484.9							
STD	00700	05.55	35.05	27.67		00.664	1484.9							
085	00700	05.55	35.350	27.67			1484.9							
085	00729	05.51	35.320	27.65			1485.1							
085	00750	05.42	35.040	27.68			1485.2							
085	00776	05.32	35.040	27.69			1485.2							
STD	00800	05.25	35.04	27.70		00.716	1485.3							
085	00801	05.25	35.042	27.70			1485.3							
085	00826	05.16	35.050	27.72			1485.4							
085	00852	05.01	35.325	27.72			1485.2							
085	00875	04.84	35.040	27.75			1484.9							
STD	00900	04.74	35.03	27.75		00.764	1484.9							
085	00900	04.74	35.030	27.75			1484.9							
085	00925	04.62	35.015	27.75			1484.8							
085	00951	04.35	35.010	27.76			1484.9							
085	00976	04.55	35.010	27.76			1485.3							
STD	01000	04.49	35.00	27.76		00.810	1485.4							
085	01001	04.48	35.000	27.76			1485.4							
085	01002	04.47	35.005	27.76			1485.4							
085	01003	04.51	35.320	27.77			1485.9							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA														
REFID 31 0-55	YEAR 1973	80TDP 01295	AIR TEMP 15.0	DIR MGT PER	WIND-OIR 05	INST STO RECORDER	TEN SQ 1306							
CONSEC 0120	MONTH 05	SHIP EV	WT 6UL8 12.5	09 1 2	WIND-SPO 12	TRACE DIA	5 SQUARE 2							
LAT +3 02.5N	CAY 23	DATA USE 1	BAROMETA 1019.9	SEA	WIND-FDR	DURATION	2 SQUARE 28							
LONG 0-8 40 W	HOOR 06.7	AREA 05	CLOUD T/A	CL/T/A	WEATHER X1	ORIG 011 305	1 SQUARE 58							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DTMPTH	SHD VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
085	STO	00000	09.47	33.46	25.80	00.000	1486.5							
085	00007	09.57	33.508	25.88			1487.0							
085	00007	09.57	33.508	25.88			1487.0							
085	00009	09.83	33.658	25.99			1488.3							
085	STO	00010	10.14	33.85	26.08	00.020	1489.6							
085	00011	10.88	34.330	26.30			1492.9							
085	00015	11.98	34.710	26.39			1494.2							
085	00015	11.16	34.450	26.37			1492.6							
085	00020	13.74	34.42	26.39		00.036	1492.6							
085	STO	00020	13.53	34.400	26.41		1491.9							
085	00022	10.64	34.460	26.45			1492.4							
085	00024	11.35	34.582	26.46			1494.0							
085	00026	10.21	34.380	26.45			1490.8							
085	00028	09.74	34.350	26.51			1489.1							
085	STO	00030	09.58	34.31	26.50	00.054	1488.5							
085	00030	09.50	34.295	26.51			1488.2							
085	00034	08.43	34.143	26.56			1483.9							
085	00036	07.64	34.285	26.74			1462.4							
085	00038	11.03	35.090	26.86			1494.8							
085	00041	11.01	35.044	26.83	*		1494.8							
085	00045	11.67	35.240	26.86			1497.4							
085	STO	00050	11.69	35.26	26.87	00.082	1497.5							
085	00051	11.69	35.256	26.87			1497.6							
085	00064	11.08	35.166	26.91			1495.5							
085	00064	10.46	35.020	26.91			1493.2							
085	00074	09.00	34.774	26.96			1467.6							
085	STO	00075	09.22	34.81	26.96	00.111	1486.5							
085	00076	09.27	34.817	26.95			1486.7							
085	00076	09.00	34.694	26.95			1486.4							
085	00081	08.51	34.688	26.97			1465.8							
085	00085	09.12	34.664	27.01			1466.4							
085	00085	09.62	35.000	27.04			1490.5							
085	STO	00100	10.02	35.03	26.99	00.139	1492.1							
085	00100	10.03	35.030	26.99			1492.2							
085	00110	09.88	35.040	27.02			1491.8							
085	00114	10.63	35.250	27.06			1494.5							
085	00118	10.58	35.215	27.04			1494.7							
085	00121	10.11	35.123	27.03			1493.3							
085	STO	00125	09.96	35.15	27.09	00.165	1492.5							
085	00125	09.94	35.147	27.10			1492.4							
085	00127	09.91	35.145	27.10			1492.3							
085	00131	09.35	35.025	27.10			1490.1							
085	00137	09.22	35.005	27.11			1489.8							
085	00142	08.68	34.902	27.11			1487.7							
085	00144	08.67	34.905	27.12			1487.7							
085	STO	00150	08.72	34.88	27.05	00.190	1488.0							
085	00150	08.72	34.880	27.09			1488.0							
085	00163	08.45	34.900	27.15			1487.2							
085	00167	07.88	34.810	27.18			1485.3							
085	00171	07.81	34.750	27.16			1484.7							
085	00176	07.15	34.680	27.17			1482.2							
085	00182	04.53	34.310	27.16			1472.7							
085	00184	03.79	34.200	27.19			1467.9							
085	00186	03.76	34.200	27.20			1467.8							
085	00194	03.35	34.160	27.20			1466.2							
085	00198	03.32	34.157	27.21			1466.1							
085	STO	00200	03.33	34.13	27.21	00.238	1464.9							
085	00205	02.56	34.107	27.23			1462.9							
085	00207	02.51	34.115	27.24			1462.7							
085	00211	02.54	34.127	27.25			1462.9							
085	00220	05.01	34.480	27.28			1474.0							
085	00226	05.39	34.500	27.29			1474.4							
085	00230	05.24	34.530	27.30			1475.2							
085	00237	04.58	34.445	27.30			1472.4							
085	00249	04.82	34.455	27.32			1473.7							
085	STO	00250	04.76	34.49	27.32	00.280	1473.5							
085	00255	04.44	34.460	27.33			1472.2							
085	00260	04.44	34.453	27.33			1472.5							
085	00276	02.97 P	34.350	27.390										
085	00281	03.24	34.340	27.36	*		1467.4							
085	00287	04.76	34.555	27.37			1474.2							
085	STO	00300	05.01	34.56	27.35	00.319	1475.4							
085	00300	05.03	34.565	27.35			1475.5							
085	00310	04.52	34.595	27.43			1473.6							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A														
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DRIFT	DRIFT VEL	DRIFT DIR	PO4	TOT P	NO2	NO3	SIO3	PH
085	00327	06.61	34.905	27.42			1482.8							
085	00336	06.62	34.915	27.42			1483.0							
085	00346	05.54	34.750	27.43			1478.6							
085	00346	05.57	34.850	27.41			1477.8							
085	00354	04.64	34.850	27.46			1474.9							
085	00365	04.40	34.710	27.53			1476.2							
085	00369	04.54	34.815	27.56			1476.6							
085	00373	05.23	34.850	27.55			1477.9							
085	00376	05.33	34.850	27.54			1478.4							
085	00388	04.55	34.710	27.52			1475.2							
085	00394	04.50	34.688	27.51			1475.0							
085	00399	04.12	34.660	27.52			1473.5							
STO	00400	04.11	34.68	27.53		00.387	1473.4							
085	00401	04.05	34.688	27.55			1473.3							
085	00420	04.27	34.705	27.54			1474.6							
085	00451	04.40	34.643	27.63			1476.0							
085	00460	04.59	34.910	27.63			1478.4							
085	00475	05.21	34.89 P	27.580*										
085	00464	05.11	34.89 P	27.600										
STO	00500	05.35	35.01	27.67		00.442	1483.7							
085	00504	05.51	35.020	27.65			1481.4							
085	00521	05.69	35.030	27.64			1482.5							
085	00523	05.41	35.000	27.65			1481.3							
085	00525	05.35	34.990	27.65			1461.1							
085	00531	05.21	35.025	27.69			1480.7							
085	00534	05.42	35.050	27.69			1481.6							
085	00552	05.40	35.030	27.67			1482.0							
085	00541	05.42	35.030	27.67			1482.0							
085	00582	04.82	34.910	27.65			1475.8							
STO	00600	04.07	34.90	27.65		00.493	1475.4							
085	00601	04.66	34.895	27.65			1475.4							
085	00620	04.55	34.885	27.66			1475.3							
085	00651	04.55	34.900	27.67			1475.0							
085	00675	04.55	34.905	27.67			1480.2							
STO	00700	04.42	34.85	27.68		00.544	1480.0							
085	00700	04.42	34.850	27.68			1480.0							
085	00725	04.46	34.900	27.68			1480.6							
085	00750	04.44	34.910	27.69			1481.0							
085	00776	04.38	34.890	27.68			1481.1							
STO	00800	04.29	34.91	27.70		00.593	1481.2							
085	00803	04.27	34.907	27.71			1481.1							
085	00826	04.12	34.900	27.72			1480.9							
085	00850	04.06	34.900	27.72			1481.1							
085	00877	04.03	34.900	27.73			1481.4							
STO	00900	03.99	34.90	27.73		00.641	1481.6							
085	00900	03.99	34.900	27.73			1481.6							
085	00927	03.96	34.900	27.73			1481.9							
085	00951	03.92	34.900	27.74			1482.1							
085	00976	03.89	34.900	27.74			1482.4							
STO	01000	03.88	34.90	27.74		00.687	1482.8							
085	01001	03.88	34.900	27.74			1482.8							
085	01016	03.87	34.902	27.74			1483.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

M O O C S T A T I O N D A T A

REFID 51 8555 YEAR 1973 BOTDP 01445 AIR TEMP 11.5 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1306  
 CONSEC 0121 MONTH 05 SHIP EV WET BULB 09.0 DIR 12 0 2 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 04.34 DAY 23 DATA USE 1 SEA CL/7A WIND-FOR WEATHER X1 DURATION 2 SQUARE 26  
 LONG 148 59 MOUJ 05.0 AREA 35 CLOUD T/A

CASHTM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DTMPTH	SND VEL	ORYG	P34	TOT P	NO2	NO3	S103	PH
09.0	STD	00000	07.02	33.47	26.23	00.000	1477.1							
	OBS	00005	07.02	33.470	26.23		1477.2							
	STD	00010	07.17	33.54	26.27	00.018	1478.0							
	OBS	00011	07.21	33.537	26.28		1478.2							
	OBS	00015	06.57	33.450	26.28		1478.6							
	OBS	00017	25.54	33.287	26.28		1471.2							
	OBS	00019	04.55	33.330	26.42		1467.2							
	STD	00020	04.26	33.32	26.45	00.035	1466.0							
	OBS	00020	24.37	33.313	26.46		1465.2							
	OBS	00022	03.85	33.295	26.47		1464.3							
	OBS	00024	33.00	33.313	26.50		1460.7							
	STD	00030	02.82	33.35	26.61	00.050	1460.1							
	OBS	00030	02.60	33.356	26.61		1460.0							
	OBS	00032	02.70	33.272	26.64		1459.6							
	OBS	00034	04.34	33.432	26.71		1460.4							
	STD	00050	26.44	33.44	26.71	00.078	1458.4							
	OBS	00051	26.44	33.472	26.74		1458.9							
	OBS	00053	02.75	33.527	26.75		1460.4							
	OBS	00055	04.79	33.570	26.74		1460.7							
	OBS	00057	04.18	33.665	26.82		1462.5							
	OBS	00064	22.59	33.660	26.64		1461.8							
	OBS	00066	04.10	33.780	26.92		1464.8							
	OBS	00072	02.44	33.767	26.97		1462.1							
	STD	00075	01.68	33.78	26.97	00.108	1460.8							
	OBS	00076	01.56	33.800	27.00		1459.6							
	OBS	00087	01.82	33.825	27.07		1457.3							
	OBS	00093	02.50	33.880	27.07		1459.6							
	STD	00100	02.21	33.95	27.14	00.134	1459.4							
	OBS	00100	02.20	33.960	27.15		1459.4							
	OBS	00114	02.06	33.980	27.17		1459.0							
	OBS	00118	26.33	33.590	27.16		1460.1							
	STD	00125	22.35	33.59	27.16	00.157	1460.5							
	OBS	00125	22.36	33.990	27.16		1460.5							
	STD	00150	02.85	34.15	27.24	00.179	1463.3							
	OBS	00150	02.85	34.150	27.24		1463.3							
	OBS	00156	01.83	34.250	27.30		1463.4							
	OBS	00175	03.19	34.330	27.36		1465.4							
	OBS	00177	03.16	34.350	27.36		1465.3							
	OBS	00184	02.63	34.260	27.39		1463.0							
	STD	00200	02.45	34.51	27.40	00.218	1462.6							
	OBS	00203	02.38	34.310	27.41		1462.3							
	OBS	00207	02.29	34.310	27.42		1462.0							
	OBS	00222	01.70	34.265	27.43		1459.6							
	OBS	00226	02.20	34.355	27.46		1462.0							
	OBS	00236	02.45	34.360	27.44		1463.2							
	OBS	00239	02.32	34.377	27.47		1462.8							
	OBS	00241	02.21	34.450	27.50		1464.2							
	STD	00250	02.63	34.48	27.50	00.250	1465.3							
	OBS	00251	02.35	34.478	27.50		1465.4							
	OBS	00266	02.86	34.487	27.51		1465.7							
	OBS	00281	03.24	34.540	27.52		1467.6							
	STD	00300	05.11	34.55	27.54	00.280	1467.4							
	OBS	00300	03.11	34.550	27.54		1467.4							
	OBS	00325	03.33	34.680	27.62		1468.9							
	OBS	00342	03.66	34.700	27.60		1470.8							
	OBS	00354	04.32	34.835	27.64		1473.8							
	OBS	00365	04.10	34.790	27.63		1473.0							
	OBS	00375	04.22	34.830	27.65		1473.7							
	STD	00400	04.28	34.86	27.66	00.353	1474.4							
	OBS	00431	04.25	34.90 P	27.700									
	OBS	00426	04.62	34.880	27.65		1476.3							
	OBS	00466	04.78	34.910	27.65		1477.7							
	OBS	00475	04.64	34.910	27.67		1477.2							
	STD	00500	04.62	34.92	27.66	00.381	1477.6							
	OBS	00500	04.62	34.920	27.68		1477.6							
	OBS	00527	04.60	34.910	27.67		1477.9							
	OBS	00553	04.60	34.905	27.68		1477.7							
	OBS	00564	04.58	34.920	27.68		1478.8							
	STD	00600	04.52	34.920	27.69	00.425	1478.8							
	OBS	00630	04.43	34.917	27.70		1478.9							
	OBS	00651	04.38	34.910	27.70		1479.1							
	OBS	00675	04.39	34.920	27.70		1479.5							
	STD	00700	04.38	34.92	27.70	00.477	1479.9							
	OBS	00710	04.37	34.920	27.70		1480.0							
	OBS	00727	04.34	34.920	27.71		1480.2							
	OBS	00769	04.33	34.920	27.71		1480.8							
	OBS	00776	04.28	34.920	27.71		1480.8							
	STD	00800	04.28	34.91	27.71	00.525	1481.1							
	OBS	00803	04.28	34.910	27.71		1481.2							
	OBS	00826	04.18	34.910	27.72		1481.1							
	OBS	00850	04.16	34.910	27.72		1481.3							
	OBS	00875	04.10	34.900	27.72		1481.6							
	STD	00900	04.05	34.89	27.72	00.573	1481.8							
	OBS	00900	04.05	34.890	27.72		1481.8							
	OBS	00925	04.04	34.890	27.72		1482.2							
	OBS	00951	04.03	34.890	27.72		1482.6							
	OBS	00976	04.01	34.890	27.72		1482.9							
	STD	01000	03.97	34.85	27.72	00.620	1483.1							
	OBS	01001	03.97	34.885	27.72		1483.1							
	OBS	01018	03.97	34.880	27.72		1483.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REF ID: A1 8555 YEAR: 1973 BOTDP: 00940 AIR TEMP: 08.9 DIR HGT PER: WIND-CIR: 07 INST STD RECORDER: TEN SQ 1306  
 COMSEC: 0122 MONTM: 05 SHIP EV: WET BULB: 08.2 08 1 2 WIND-SPO: 20 TRACE DIR: 0 5 SQUARE 2  
 LAT: 43 13.5N DAY: 23 DATA USE: 1 BARCHMETR: 1020.0 SEA CL/TR: WEATHER: A1 DURATION: 2 SQUARE 28  
 LONG: 049 11 W HOUR: 10.5 AREA: 05 CLOUD T/A: ORIG OIL: 307 1 SQUARE 35

CASTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OMNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIG3	PH
10.9	STO	00000	05.71	33.30	26.27	00.000	1471.7							
	085	00001	05.71	33.300	26.27		1471.7							
	STO	00010	05.74	33.32	26.26	00.018	1471.9							
	085	00011	05.74	33.320	26.28		1472.0							
	085	00013	00.64 P	33.450	26.830									
	085	00015	04.96	33.450	26.47 *		1469.0							
	085	00019	02.56	33.350	26.54		1463.1							
	STO	00020	03.61	33.44	26.61	00.034	1463.4							
	085	00020	03.65	33.500	26.65		1463.7							
	085	00024	03.77	33.570	26.70		1464.4							
	085	00026	04.04	33.660	26.74		1465.7							
	085	00028	04.12	33.650	26.72		1466.0							
	STO	00030	03.24	33.55	26.73	00.047	1462.2							
	085	00030	02.59	33.520	26.73		1461.1							
	085	00036	02.66	33.530	26.76		1459.7							
	085	00038	02.35	33.500	26.77		1458.4							
	085	00041	01.65	33.480	26.80		1455.3							
	085	00043	01.46	33.500	26.83		1454.5							
	085	00045	00.47	33.450	26.85		1450.0							
	085	00049	00.15	33.450	26.90		1448.9							
	STO	00050	00.02	33.47	26.85	00.072	1448.1							
	085	00051	- 0.36	33.450	26.89		1446.3							
	085	00053	- 0.61	33.490	26.94		1445.3							
	085	00057	- 0.66	33.520	26.96		1445.1							
	085	00066	00.13	33.700	27.07		1449.2							
	085	00072	03.02	33.980	27.09		1462.5							
	STO	00075	03.51	34.05	27.10	00.099	1464.8							
	085	00076	03.88	34.100	27.11		1466.4							
	085	00078	04.74	34.210	27.10		1470.2							
	085	00079	04.91	34.220	27.09		1470.9							
	085	00081	49.93 P	34.210	12.876*									
	085	00083	04.88	34.190	27.09		1470.0							
	085	00087	04.33	34.140	27.09		1468.5							
	085	00089	04.22	34.150	27.11		1468.1							
	085	00091	04.42	34.180	27.11		1469.0							
	085	00095	05.41	34.340	27.13		1473.4							
	STO	00100	05.49	34.35	27.12	00.123	1473.8							
	085	00100	05.55	34.350	27.12		1474.1							
	085	00104	05.57	34.360	27.12		1474.2							
	085	00114	06.49	34.520	27.13		1478.3							
	085	00115	06.16	34.480	27.14		1477.0							
	085	00123	05.72	34.440	27.17		1475.2							
	STO	00125	05.60	34.44	27.18	00.147	1474.6							
	085	00125	05.55	34.440	27.19		1474.6							
	085	00133	05.45	34.480	27.23		1474.4							
	085	00135	05.75	34.550	27.25		1475.7							
	085	00139	05.04	34.550	27.24		1476.1							
	STO	00142	06.21	34.630	27.25		1477.8							
	STO	00150	06.36	34.67	27.26	00.165	1478.6							
	085	00150	06.37	34.670	27.27		1478.6							
	085	00175	06.41	34.690	27.28		1479.2							
	STO	00200	06.43	34.79	27.35	00.209	1479.8							
	085	00201	06.43	34.790	27.35		1479.8							
	085	00218	06.15	34.780	27.38		1479.0							
	085	00222	06.25	34.820	27.40		1479.5							
	085	00224	05.87	34.750	27.42		1478.0							
	085	00230	05.18	34.650	27.43		1475.1							
	085	00236	04.89	34.680	27.46		1474.1							
	085	00245	06.03	34.900	27.49		1479.1							
	STO	00250	06.17	34.92	27.49	00.244	1479.8							
	085	00251	06.21	34.920	27.48		1479.5							
	085	00257	05.76	34.840	27.48		1478.1							
	085	00262	05.64	34.890	27.53		1477.8							
	085	00270	05.21	34.840	27.55		1476.1							
	085	00276	04.42	34.700	27.52 *		1472.8							
	085	00283	04.20	34.670	27.52		1471.9							
	085	00285	03.73	34.610	27.53		1473.0							
	085	00297	03.64	34.620	27.54		1469.7							
	STO	00300	05.54	34.59	27.53	00.275	1469.3							
	085	00302	05.45	34.85 P	27.740									
	085	00304	03.39	34.960	27.52 *		1468.7							
	085	00350	05.04	34.550	27.54		1467.9							
	085	00367	03.11	34.570	27.55		1466.5							
	085	00380	03.76	34.690	27.59		1471.7							
	STO	00400	03.78	34.70	27.59	00.331	1472.1							
	085	00401	03.87	34.700	27.59		1472.1							
	085	00422	03.87	34.600	27.60		1473.0							
	085	00437	04.10	34.820	27.65		1474.2							
	085	00451	04.15	34.830	27.66		1474.7							
	STO	00500	04.22	34.65	27.70	00.361	1475.9							
	085	00502	04.22	34.650	27.70		1475.9							
	085	00550	04.32	34.650	27.69		1477.1							
	STO	00600	04.36	34.92	27.71	00.426	1476.2							
	085	00601	04.36	34.920	27.71		1476.2							
	085	00651	04.33	34.850	27.69		1476.8							
	STO	00700	04.18	34.61	27.72	00.474	1475.1							
	085	00700	04.18	34.610	27.72		1475.1							
	STO	00750	04.15	34.610	27.72		1474.7							
	STO	00800	04.06	34.62	27.74	00.51	1466.2							
	STO	00801	04.06	34.62	27.74		1466.2							
	085	00850	04.05	34.610	27.72		1461.0							
	085	00887	03.99	34.920	27.75		1481.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

H O D C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 #GTOP 00810 AIR TEMP 13.5 DJR HGT PER WIND-DIR 09 INST STO RECORDER TEN SQ 1306  
 CONSEC 0123 MON7M 05 SMP EV #ET BULB 09.0 09 1 2 WIND-SPD 10 TRACE DIR 0 5 SJJARE 2  
 LAT 43 15 N DAY 23 DATA USE 1 BAROMETR 1015.9 SEA 05 WEATHER FOR DURATION 2 SJJARE 26  
 LONG 049 18 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 508 1 SJJARE 39

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	CYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIDS	PH
12..	STO	00000	05.26	33.18	26.23	00.000	1469.7							
	OBS	00001	05.26	33.180	26.23		1469.7							
	STO	00010	05.17	33.17	26.23	00.018	1469.5							
	OBS	00011	05.16	33.170	26.23		1469.4							
	OBS	00013	03.26	33.110	26.38		1461.4							
	OBS	00015	01.74	32.980	26.40		1454.6							
	OBS	00016	00.17	33.040	26.54		1447.7							
	STO	00020	- 0.32	33.08	26.59	00.054	1445.5							
	OBS	00020	- 0.70	33.104	26.43		1443.8							
	STO	00030	- 1.27	33.17	26.70	00.048	1441.3							
	OBS	00030	- 1.29	33.172	26.70		1441.3							
	OBS	00041	- 1.42	33.266	26.78		1441.0							
	STO	00050	- 1.40	33.25	26.80	00.074	1441.2							
	OBS	00051	- 1.35	33.259	26.61		1441.3							
	STO	00075	- 0.96	33.46	26.93	00.104	1444.0							
	OBS	00076	- 0.95	33.470	26.93		1444.0							
	OBS	00085	- 0.93	33.540	26.95		1444.4							
	OBS	00085	- 0.22	33.630	27.03		1447.9							
	STO	00130	00.05	33.66	27.04	00.131	1449.3							
	OBS	00130	00.09	33.667	27.05		1449.5							
	OBS	00138	00.58	33.760	27.10		1452.0							
	OBS	00110	00.64	33.760	27.09		1452.3							
	OBS	00112	01.20	33.812	27.10		1454.9							
	OBS	00114	04.54	34.510	27.15		1471.6							
	OBS	00115	06.07	34.508	27.18		1476.7							
	OBS	00121	06.33	34.550	27.18		1477.8							
	STO	00125	06.44	34.56	27.17	00.155	1478.3							
	OBS	00125	06.46	34.557	27.16		1478.4							
	OBS	00144	06.57	34.570	27.14		1475.4							
	STO	00150	06.81	34.65	27.19	00.170	1480.3							
	OBS	00150	06.84	34.660	27.19		1480.4							
	OBS	00154	07.04	34.680	27.18		1481.3							
	OBS	00161	07.01	34.693	27.20		1481.3							
	OBS	00165	06.41	34.560	27.17		1478.9							
	OBS	00171	06.36	34.550	27.17		1478.7							
	OBS	00173	05.99	34.520	27.20		1477.2							
	OBS	00175	05.90	34.540	27.22		1476.9							
	OBS	00178	05.85	34.570	27.25		1476.8							
	OBS	00184	06.18	34.650	27.27		1476.4							
	OBS	00192	06.09	34.640	27.28		1478.1							
	STO	00200	06.18	34.65	27.27	00.222	1478.6							
	OBS	00201	06.19	34.650	27.27		1478.7							
	OBS	00226	06.03	34.710	27.34		1478.5							
	OBS	00234	05.78	34.690	27.36		1477.6							
	OBS	00247	05.86	34.805	27.44		1478.4							
	STO	00250	04.96	34.67	27.44	00.260	1474.5							
	OBS	00255	04.07	34.553	27.45		1470.7							
	OBS	00257	04.06	34.570	27.46		1470.8							
	OBS	00262	03.19	34.460	27.46		1467.0							
	OBS	00277	02.57	34.484	27.50		1466.4							
	STO	00300	02.53	34.47	27.49	00.250	1466.5							
	OBS	00300	02.53	34.473	27.49		1466.5							
	OBS	00325	02.89	34.493	27.51		1466.8							
	OBS	00327	03.15	34.550	27.53		1468.0							
	OBS	00329	03.20	34.560	27.54		1468.3							
	OBS	00331	03.23	34.680	27.59		1470.3							
	OBS	00350	03.94	34.693	27.57		1471.0							
	STO	00400	04.39	34.83	27.63	00.349	1474.9							
	OBS	00401	04.40	34.833	27.63		1474.9							
	OBS	00451	04.51	34.890	27.67		1476.3							
	STO	00500	04.32	34.89	27.69	00.398	1476.3							
	OBS	00500	04.32	34.890	27.69		1476.3							
	OBS	00550	04.22	34.890	27.70		1476.7							
	STO	00600	04.12	34.89	27.71	00.444	1477.1							
	OBS	00601	04.12	34.893	27.71		1477.1							
	OBS	00651	04.11	34.910	27.72		1477.9							
	STO	00700	04.04	34.91	27.73	00.485	1478.7							
	OBS	00700	04.04	34.915	27.73		1478.7							
	OBS	00750	04.06	34.920	27.74		1475.4							
	STO	00800	04.06	34.91	27.73	00.534	1480.2							
	OBS	00801	04.06	34.910	27.73		1480.2							
	OBS	00803	04.06	34.920	27.74		1480.3							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 31 4305	YEAR 1973	BOTOP 0050	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 10	INST STD RECORDER	TEN 50 100
CONSEC 0124	MONTH 05	SHIP EV	WET DULB 06.5	09 1 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 43 20.5N	DAY 23	DATA USE 1	BAROMETR 1019.8	SEA	WIND-FDR	DURATION	2 SQUARE 28
LONG 045 26 W	MOJR 15.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 309	1 SQUARE 35

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	CYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	STD	00000	03.71	32.90	26.17	00.000	1462.8							
	085	00001	03.71	32.900	26.17		1462.8							
	STD	00010	03.70	32.94	26.20	00.018	1463.0							
	085	00011	03.57	32.950	26.21		1462.5							
	085	00013	03.34	32.900	26.20		1461.4							
	085	00015	02.82	32.840	26.20		1459.1							
	085	00017	01.81	32.720	26.18		1454.6							
	085	00019	- 0.13	32.940	26.47		1446.1							
	STD	00020	- 0.42	33.00	26.53	00.035	1444.9							
	085	00020	- 0.64	33.040	26.57		1444.0							
	STD	00030	- 0.98	33.11	26.64	00.050	1442.6							
	085	00030	- 1.00	33.110	26.64		1442.5							
	STD	00050	- 1.30	33.16	26.70	00.077	1441.5							
	085	00051	- 1.31	33.170	26.70		1441.5							
	STD	00075	- 1.41	33.29	26.80	00.110	1441.6							
	085	00076	- 1.42	33.290	26.80		1441.6							
	085	00087	- 1.51	33.322	26.83		1441.4							
	STD	00100	- 1.51	33.32	26.83	00.141	1441.6							
	085	00100	- 1.51	33.320	26.83		1441.6							
	STD	00125	- 1.26	33.44	26.92	00.170	1443.3							
	085	00125	- 1.25	33.440	26.92		1443.4							
	STD	00150	- 0.83	33.51	26.96	00.198	1445.8							
	085	00150	- 0.78	33.530	26.98		1446.1							
	085	00154	- 0.19	33.702	27.05		1445.2							
	085	00159	01.41	33.805	27.08		1456.6							
	085	00163	01.81	33.850	27.05		1458.5							
	085	00167	03.15	34.000	27.10		1464.6							
	085	00175	03.47	34.090	27.14		1460.3							
	085	00177	03.54	34.095	27.13		1466.6							
	085	00178	04.18	34.205	27.16		1469.5							
	085	00180	04.26	34.230	27.17		1469.9							
	085	00188	04.68	34.290	27.17		1471.8							
	085	00192	04.53	34.337	27.16		1473.0							
	085	00194	04.96	34.330	27.17		1473.1							
	STD	00200	05.30	34.35	27.14	00.249	1474.7							
	085	00201	05.31	34.350	27.15		1474.7							
	085	00203	05.27	34.400	27.15		1474.7							
	085	00207	05.77	34.475	27.15		1478.5							
	085	00213	05.47	34.467	27.22		1475.7							
	085	00224	04.44	34.320	27.22		1471.5							
	085	00226	04.30	34.310	27.23		1470.5							
	085	00228	03.59	34.283	27.24		1465.6							
	085	00234	02.97	34.175	27.25		1465.2							
	STD	00250	02.41	34.22	27.33	00.292	1463.1							
	085	00251	02.38	34.220	27.34		1463.0							
	085	00277	02.50	34.348	27.45		1463.3							
	085	00285	02.73	34.507	27.54		1465.5							
	085	00298	03.24	34.650	27.61		1468.1							
	STD	00300	03.31	34.66	27.61	00.324	1468.4							
	085	00300	03.26	34.667	27.61		1468.6							
	085	00350	03.62	34.760	27.64		1471.5							
	STD	00400	03.89	34.83	27.88	00.373	1472.7							
	085	00403	03.69	34.830	27.68		1472.8							
	085	00451	03.92	34.840	27.69		1473.7							
	STD	00500	03.88	34.88	27.72	00.416	1474.4							
	085	00502	03.86	34.880	27.72		1474.5							
	085	00550	03.54	34.505	27.74		1475.5							
	STD	00600	03.42	34.51	27.74	00.460	1476.3							
	085	00601	03.42	34.507	27.74		1476.3							
	085	00645	03.94	34.520	27.75		1477.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOOD STATION DATA

REF ID: 31 8355 YEAR 1973 BOTOP 00190 AIR TEMP 10.0 DIR HGT PER WIND-DIR 09 INST STO RECORDER TEN SQ 1300  
 CONSEC 0129 MONTH 05 SHIP EV WET BULB 09.0 09 2 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 22.5N DAY 25 DATA USE 1 BAROMETR 1019.6 SEA WIND-FDR DURATION 2 SQUARE 28  
 LONG 049 31.5W HOUR 15.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 310 1 SQUARE 39

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SI03	PH
15.1	STO	00000	03.97	32.94	26.18	00.000	1464.0							
	OBS	00003	03.97	32.940	26.18		1464.0							
	STO	00010	03.87	32.94	26.18	00.018	1463.7							
	OBS	00011	03.85	32.940	26.19		1463.6							
	OBS	00013	02.57	32.860	26.24		1458.1							
	OBS	00015	01.90	32.800	26.24		1455.2							
	OBS	00017	01.56	32.840	26.31		1452.7							
	OBS	00019	01.09	32.840	26.33		1451.6							
	STO	00020	00.84	31.04	26.34	00.036	1450.4							
	OBS	00020	00.80	31.020	26.35		1449.4							
	OBS	00022	00.20	32.567	26.48		1447.8							
	STO	00030	- 0.08	32.56	26.49	00.054	1446.6							
	OBS	00030	- 0.05	32.560	26.49		1446.5							
	OBS	00038	- 0.22	32.580	26.51		1446.1							
	STO	00050	- 0.83	33.05	26.62	00.082	1443.6							
	OBS	00051	- 0.88	33.055	26.63		1443.4							
	STO	00075	- 1.28	33.17	26.70	00.117	1442.0							
	OBS	00076	- 1.29	33.170	26.70		1442.0							
	STO	00100	- 1.41	33.25	26.80	00.145	1442.0							
	OBS	00100	- 1.41	33.288	26.80		1442.0							
	STO	00125	- 1.43	33.32	26.82	00.180	1442.4							
	OBS	00125	- 1.43	33.318	26.82		1442.4							
	OBS	00131	- 1.45	33.315	26.82		1442.4							
	STO	00150	- 1.29	33.45	26.93	00.210	1443.6							
	OBS	00150	- 1.27	33.453	26.93		1443.7							
	OBS	00161	- 0.54	33.850	27.06		1447.6							
	OBS	00163	- 0.01	33.860	27.05		1450.1							
	OBS	00175	00.35	33.760	27.11		1452.1							
	OBS	00186	00.86	33.875	27.17		1454.7							

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REF ID: 31 8355 YEAR 1973 BOTOP 00064 AIR TEMP 11.8 DIR HGT PER WIND-DIR 10 INST STO RECORDER TEN SQ 1500  
 CONSEC 0126 MONTH 05 SHIP EV WET BULB 09.2 10 2 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 23 N DAY 25 DATA USE 1 BAROMETR 1019.6 SEA WIND-FDR DURATION 2 SQUARE 28  
 LONG 049 34 W HOUR 15.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 311 1 SQUARE 39

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SI03	PH
15.7	STO	00000	03.51	32.83	26.13	00.000	1461.6							
	OBS	00003	03.51	32.830	26.13		1461.9							
	STO	00010	03.36	32.84	26.15	00.015	1461.5							
	OBS	00011	03.34	32.837	26.15		1461.3							
	OBS	00017	03.13	32.810	26.15		1460.5							
	STO	00020	02.76	32.85	26.22	00.037	1459.0							
	OBS	00020	02.64	32.863	26.23		1458.5							
	OBS	00024	02.11	31.886	26.29		1456.3							
	STO	00030	01.59	31.87	26.33	00.055	1453.1							
	OBS	00030	01.33	32.866	26.33		1452.9							
	OBS	00036	00.75	31.930	26.42		1450.4							
	OBS	00046	00.16	32.575	26.49		1447.8							
	OBS	00040	- 0.21	31.562	26.49		1446.2							
	OBS	00049	- 0.91	33.105	26.64		1443.3							
	STO	00050	- 0.91	33.11	26.64	00.086	1443.3							
	OBS	00051	- 0.91	33.112	26.64		1443.3							
	OBS	00059	- 0.91	33.118	26.65		1443.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 01 0355 YEAR 1973 BOTOP 00105 AIR TEMP 07.8 DIR MGT PER WIND-DIR 09 INST STO RECORDER TEN SQ 1506  
 CONSEC 0127 MONTH 05 SHIP EV WET BULB 07.0 09 1 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 45 19 N DAY 23 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 045 33.0 W HOUR 16.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 312 1 SQUARE 36

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
16.2	STO	00000	03.78	32.87	26.14	00.000	1463.1							
	OBS	00003	03.76	32.670	26.14		1463.1							
	OBS	00006	03.53	32.825	26.13		1462.1							
	STO	00010	03.42	32.825	26.14	00.019	1461.6							
	OBS	00011	03.13	32.825	26.14		1460.4							
	OBS	00013	02.81	32.841	26.20		1459.1							
	OBS	00015	01.91	32.545	26.36		1455.3							
	STO	00020	01.57	32.97	26.40	00.036	1453.9							
	OBS	00023	01.53	32.578	26.41		1453.6							
	STO	00030	00.54	32.98	26.47	00.052	1449.5							
	OBS	00033	00.48	32.575	26.47		1445.4							
	OBS	00034	- 0.04	32.590	26.51		1446.5							
	STO	00050	- 0.51	33.06	26.60	00.083	1445.1							
	OBS	00051	- 0.55	33.090	26.61		1444.5							
	STO	00075	- 1.17	33.20	26.72	00.117	1442.6							
	OBS	00076	- 1.15	33.200	26.72		1442.5							
	STO	00100	- 1.29	33.21	26.73	00.150	1442.5							
	OBS	00100	- 1.29	33.206	26.73		1442.5							
	OBS	00121	- 1.40	33.307	26.82		1442.4							
	STO	00125	- 1.38	33.33	26.83	00.162	1442.6							
	OBS	00125	- 1.35	33.337	26.84		1442.8							
	OBS	00129	- 1.00	33.457	26.52		1444.7							
	STO	00150	- 0.68	33.54	26.58	00.211	1446.6							
	OBS	00153	- 0.66	33.547	26.58		1446.7							
	OBS	00163	00.10	33.686	27.06		1450.6							

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REFID 01 0355 YEAR 1973 BOTOP 00562 AIR TEMP 07.8 DIR MGT PER WIND-DIR 05 INST STO RECORDER TEN SQ 1506  
 CONSEC 0120 MONTH 05 SHIP EV WET BULB 07.6 09 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 43 14.5 N DAY 23 DATA USE 1 BAROMETR 1018.8 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 045 33 W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 313 1 SQUARE 36

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
17.1	STO	00000	04.26	32.88	26.10	00.000	1465.1							
	OBS	00003	04.26	32.885	26.10		1465.2							
	OBS	00009	04.21	32.897	26.12		1465.1							
	STO	00010	04.19	32.88	26.11	00.019	1465.0							
	OBS	00011	04.01	32.860	26.11		1464.2							
	OBS	00015	02.64	32.517	26.28		1458.5							
	STO	00020	01.97	32.98	26.36	00.037	1455.7							
	OBS	00023	01.65	32.966	26.40		1455.2							
	OBS	00024	01.55	32.995	26.44		1453.0							
	OBS	00028	00.86	32.953	26.46		1450.5							
	STO	00030	00.40	33.01	26.51	00.053	1446.6							
	OBS	00033	00.27	33.027	26.52		1446.3							
	OBS	00032	- 0.02	33.100	26.60		1447.1							
	OBS	00036	- 0.19	33.136	26.63		1446.4							
	OBS	00038	- 0.62	33.133	26.65		1444.5							
	OBS	00040	- 0.75	33.130	26.65		1443.7							
	STO	00050	- 1.04	33.19	26.71	00.082	1442.6							
	OBS	00051	- 1.07	33.167	26.72		1442.6							
	OBS	00066	- 1.40	33.180	26.71		1442.7							
	STO	00075	- 1.48	33.31	26.82	00.114	1441.3							
	OBS	00076	- 1.49	33.322	26.85		1441.3							
	OBS	00091	- 1.58	33.343	26.85		1441.1							
	STO	00100	- 1.57	33.34	26.84	00.144	1441.3							
	OBS	00100	- 1.56	33.335	26.84		1441.4							
	STO	00125	- 1.10	33.48	26.93	00.173	1443.9							
	OBS	00125	- 1.15	33.483	26.95		1443.9							
	STO	00150	- 0.69	33.49	26.95	00.201	1445.1							
	OBS	00150	- 0.65	33.490	26.95		1445.1							
	OBS	00163	- 0.82	33.550	26.99		1446.2							
	OBS	00165	- 0.54	33.545	26.98		1447.6							
	OBS	00169	00.00	33.675	27.06		1450.2							
	OBS	00173	00.30	33.666	27.05		1451.7							
	OBS	00175	00.23	33.680	27.05		1451.4							
	OBS	00184	00.66	33.845	27.16		1453.7							
	OBS	00188	01.29	33.890	27.16		1456.7							
	STO	00200	01.30	33.89	27.16	00.252	1456.9							
	OBS	00201	01.31	33.900	27.16		1457.0							
	OBS	00218	01.64	34.125	27.32		1459.1							
	OBS	00226	01.52	34.140	27.34		1458.7							
	STO	00250	01.77	34.20	27.37	00.293	1460.3							
	OBS	00251	01.79	34.204	27.37		1460.4							
	OBS	00276	02.10	34.240	27.38		1462.2							
	STO	00300	02.52	34.45	27.51	00.326	1464.8							
	OBS	00300	02.54	34.460	27.52		1464.6							
	OBS	00327	03.05	34.570	27.56		1467.8							
	OBS	00350	03.33	34.720	27.65		1469.4							
	OBS	00359	03.44	34.715	27.64		1470.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 00443 AIR TEMP 09.2 OIR MGT PER WIND-OIR 09 INST STD RECORDER TEN SJ 1306  
 CONSEC 0125 MONTH 05 SHIP EV WET BULB 08.2 09 1 2 WIND-SPO 13 TRACE OIR 0 5 SQUARE 2  
 LAT 43 10 N DAY 23 DATA USE 1 BAROMETER 1018.5 SEA WIND-FOR DURATION 2 SQUARE 8  
 LONG 045 26.5W HOUR 16.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG OIL 314 1 SQUARE 35

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPT	SNV VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.3	STO	00000	08.18	33.67	26.22	00.000	1481.9							
	085	00001	08.18	33.670	26.22		1481.9							
	STO	00010	08.02	33.68	26.26	00.018	1481.4							
	085	00011	07.59	33.681	26.26		1481.4							
	085	00013	08.04	33.680	26.25		1481.6							
	STO	00020	07.11	33.56	26.25	00.035	1477.5							
	085	00020	06.68	33.525	26.30		1477.0							
	085	00024	05.60	33.533	26.31		1471.7							
	STO	00030	04.68	33.45	26.45	00.052	1468.9							
	085	00030	04.82	33.460	26.50		1468.7							
	085	00034	04.43	33.482	26.56		1467.2							
	085	00038	03.20	33.412	26.62		1461.5							
	085	00040	03.54	33.530	26.69		1463.6							
	085	00041	03.56	33.500	26.71		1463.7							
	085	00042	04.26	33.656	26.71		1466.5							
	085	00047	03.54	33.530	26.69		1463.6							
	STO	00050	01.92	33.41	26.73	00.081	1456.6							
	085	00052	00.68	33.335	26.75		1451.0							
	085	00055	00.46	33.330	26.76		1450.0							
	085	00057	03.04	33.372	26.81		1448.2							
	085	00059	03.24	33.448	26.90		1444.5							
	085	00062	01.18	33.572	26.90		1454.1							
	085	00064	02.43	33.712	26.93		1455.5							
	085	00070	02.05	33.663	26.92		1457.8							
	085	00072	01.57	33.670	26.93		1457.5							
	085	00074	02.52	33.765	26.96		1460.1							
	STO	00075	02.48	33.75	26.95	00.111	1455.9							
	085	00078	02.39	33.720	26.94		1455.5							
	085	00087	01.72	33.601	27.06		1461.3							
	085	00091	03.55	33.957	27.06		1465.1							
	STO	00100	03.87	34.00	27.03	00.138	1466.6							
	085	00100	03.87	34.000	27.03		1466.6							
	085	00102	03.85	33.950	27.02		1466.6							
	085	00104	03.01	33.885	27.02		1462.9							
	STO	00125	02.51	34.00	27.15	00.163	1461.2							
	085	00125	02.50	34.002	27.15		1461.1							
	085	00140	03.28	34.165	27.22		1465.0							
	085	00146	03.79	34.240	27.23		1467.4							
	085	00146	03.92	34.240	27.21		1467.9							
	STO	00150	04.15	34.34	27.27	00.185	1465.2							
	085	00150	04.26	34.367	27.28		1469.6							
	085	00154	04.87	34.458	27.28		1472.3							
	085	00171	05.32	34.515	27.27		1474.5							
	085	00175	02.06	34.117	27.28		1460.2							
	STO	00200	01.82	34.20	27.37	00.224	1459.7							
	085	00205	01.79	34.210	27.38		1459.6							
	085	00217	01.94	34.240	27.35		1460.5							
	085	00220	02.24	34.323	27.43		1462.0							
	085	00228	02.30	34.320	27.43		1462.4							
	STO	00250	02.05	34.36	27.48	00.256	1461.9							
	085	00251	02.08	34.367	27.48		1461.9							
	085	00268	02.57	34.445	27.52		1465.5							
	085	00272	02.84	34.517	27.54		1465.7							
	085	00276	02.92	34.510	27.52		1466.1							
	085	00281	03.03	34.507	27.51		1466.9							
	STO	00300	03.32	34.56	27.53	00.286	1468.3							
	085	00302	03.35	34.576	27.53		1468.7							
	085	00325	03.44	34.700	27.61		1470.3							
	085	00344	04.31	34.730	27.59		1472.2							
	085	00350	04.31	34.730	27.59		1472.3							
	085	00375	04.15	34.850	27.67		1473.5							
	STO	00400	04.17	34.84	27.66	00.342	1473.9							
	085	00431	04.17	34.840	27.66		1474.0							
	085	00426	04.21	34.812	27.72		1474.6							
	085	00441	04.21	34.910	27.71		1474.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8555 YEAR 1973 BOTDP 00825 AIR TEMP 13.2 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN 50 1506  
 CONSEC 0230 MONTH 05 SHIP EV WET BULB 11.0 SEA 22 1 WIND-SPD 13 TRACE DIR 0 5 SQJARE 2  
 LAT +3 03.5N DAY 23 DATA USE 1 BAROMETR 1018.0 WIND-FDR DURATION 2 SQJARE 28  
 LONG 049 25.5W HOUR 19.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 315 1 SQJARE 39

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P04	TOT P	M02	M03	S103	PH
15.3	STD	00000	06.21	33.11	26.06	00.000	1473.4							
	085	00001	06.21	33.110	26.06		1473.5							
	085	00003	06.21	33.090	26.04		1473.5							
	085	00007	06.15	33.053	26.05		1473.2							
	085	00005	05.89	33.260	26.21		1472.5							
	STD	00010	05.94	33.28	26.22	00.015	1472.7							
	085	00011	06.05	33.350	26.27		1473.3							
	085	00013	06.12	33.470	26.35		1473.6							
	085	00015	05.94	33.448	26.36		1473.0							
	085	00017	05.10	33.510	26.51		1465.7							
	STD	00020	04.51	33.54	26.55	00.055	1465.0							
	085	00020	04.66	33.547	26.56		1466.6							
	STD	00030	04.40	33.66	26.70	00.050	1467.2							
	085	00030	04.39	33.670	26.71		1467.2							
	STD	00050	04.54	34.04	26.94	00.074	1470.3							
	085	00051	04.98	34.040	26.94		1470.5							
	085	00057	04.53	34.022	26.97		1468.8							
	085	00060	03.90	34.015	27.04		1466.1							
	085	00064	03.70	34.027	27.07		1465.3							
	085	00066	03.79	34.026	27.06		1465.8							
	085	00070	05.08	34.274	27.11		1471.5							
	085	00072	05.45	34.340	27.12		1473.2							
	STD	00075	05.42	34.35	27.13	00.100	1473.1							
	085	00076	05.41	34.348	27.13		1473.1							
	085	00087	05.53	34.360	27.14		1473.8							
	085	00095	04.28	34.165	27.12		1466.5							
	STD	00100	04.15	34.22	27.17	00.124	1468.1							
	085	00100	04.12	34.230	27.18		1468.0							
	085	00102	04.28	34.267	27.20		1468.7							
	085	00104	04.64	34.525	27.20		1470.5							
	085	00112	04.90	34.342	27.19		1471.6							
	085	00116	04.61	34.300	27.19		1470.4							
	STD	00125	04.76	34.35	27.21	00.146	1471.2							
	085	00125	04.79	34.365	27.22		1471.4							
	085	00131	05.22	34.450	27.27		1473.4							
	STD	00150	05.37	34.57	27.31	00.167	1474.4							
	085	00150	05.37	34.568	27.31		1474.4							
	085	00173	05.42	34.570	27.31		1475.0							
	085	00177	05.15	34.590	27.31		1473.9							
	085	00180	04.96	34.490	27.30		1473.1							
	085	00150	04.06	34.380	27.31		1469.4							
	STD	00200	03.65	34.43	27.35	00.205	1468.1							
	085	00201	03.63	34.434	27.40		1467.9							
	085	00209	03.38	34.430	27.39		1466.5							
	085	00224	03.82	34.520	27.44		1469.2							
	085	00243	04.36	34.610	27.46		1471.9							
	STD	00230	04.24	34.57	27.44	00.240	1471.6							
	085	00251	04.28	34.570	27.44		1471.6							
	085	00255	04.25	34.585	27.45		1471.5							
	085	00276	03.35	34.570	27.53		1468.1							
	085	00289	03.35	34.580	27.54		1468.5							
	085	00293	03.04	34.560	27.55		1467.0							
	STD	00300	03.18	34.58	27.55	00.271	1467.8							
	085	00300	03.20	34.580	27.55		1467.8							
	085	00325	03.66	34.725	27.62		1470.4							
	085	00350	04.15	34.830	27.66		1473.0							
	085	00375	04.38	34.850	27.65		1474.4							
	STD	00400	04.51	34.93	27.70	00.324	1475.5							
	085	00401	04.51	34.930	27.70		1475.5							
	085	00426	04.51	34.910	27.68		1475.9							
	085	00451	04.55	34.920	27.68		1476.5							
	085	00475	04.42	34.930	27.71		1476.4							
	STD	00500	04.40	34.94	27.72	00.366	1476.7							
	085	00500	04.40	34.940	27.72		1476.7							
	085	00525	04.36	34.930	27.71		1476.9							
	085	00550	04.35	34.910	27.70		1477.3							
	085	00576	04.33	34.910	27.70		1477.6							
	STD	00600	04.31	34.91	27.70	00.412	1477.9							
	085	00601	04.31	34.910	27.70		1478.0							
	085	00626	04.31	34.910	27.70		1478.4							
	085	00651	04.26	34.910	27.71		1478.6							
	085	00675	04.19	34.910	27.72		1478.7							
	STD	00700	04.15	34.91	27.72	00.457	1478.5							
	085	00700	04.15	34.910	27.72		1478.9							
	085	00725	04.13	34.940	27.75		1479.3							
	085	00751	04.12	34.940	27.75		1479.7							
	085	00776	04.08	34.940	27.75		1479.9							
	STD	00800	04.08	34.91	27.73	00.503	1480.3							
	085	00803	04.08	34.910	27.73		1480.3							
	085	00820	04.05	34.915	27.73		1480.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

				N O O C S T A T I O N O A T A														
REFID	31	0355	YEAR	1973	BOTOP	01409	AIR TEMP	12.5	OIR HGT	PER	WIND-OIR	13	INST STD	RECORDER	TEN SQ	1306		
CONSEC	0131		MONTH	05	SMIP EV		WET BULB	10.8	10	2	WIND-SPD	14	TRACE	OIR	0	5	SQUARE	
LAT	42	53.5N	DAY	25	OATA USE	1	BAROMETR	1017.3	SEA		WIND-FOR		DURATION		2	SQUARE	28	
LONG	049	22.5W	MOJR	21.1	AREA	05	CLOUD	T/A	CL/TR		WEATHER	X1	ORIG	011	316	1	SQUARE	25
CASNUM/TIME	LVL	TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTM	SNO	VEL	DAYG	P24	TOT P	NO2	NO3	SI03	PH		
		STD	00000	06.16	32.96	25.94	00.000	1473.1										
21.1		OBS	00003	06.18	32.960	25.94		1473.2										
		OBS	00005	06.22	32.950	25.93		1473.3										
		OBS	00009	05.56	32.817	25.95		1465.7										
		STD	00010	05.17	32.87	25.99	00.020	1469.0										
		OBS	00011	04.78	32.970	26.11		1467.6										
		OBS	00013	04.61	32.965	26.15		1466.9										
		OBS	00015	03.78	33.038	26.27		1463.5										
		STD	00020	02.96	33.22	26.49	00.038	1460.4										
		OBS	00023	02.84	33.240	26.52		1455.9										
		STD	00030	02.17	33.28	26.81	00.053	1457.1										
		OBS	00033	02.13	33.310	26.83		1457.0										
		OBS	00032	02.18	33.438	26.73		1457.4										
		OBS	00036	03.11	33.560	26.75		1461.7										
		OBS	00041	02.45	33.550	26.79		1459.1										
		OBS	00043	00.98	33.410	26.79		1452.3										
		OBS	00047	00.18	33.455	26.87		1446.8										
		OBS	00049	00.13	33.505	26.92		1448.6										
		STD	00050	00.16	33.52	26.93	00.079	1448.8										
		OBS	00051	00.23	33.500	26.95		1445.2										
		OBS	00060	00.18	33.643	27.02		1445.2										
		OBS	00062	01.14	33.685	27.00		1453.7										
		OBS	00066	01.26	33.695	27.00		1454.4										
		OBS	00070	01.94	33.820	27.05		1457.5										
		OBS	00072	02.42	33.800	27.06		1455.6										
		STD	00075	02.45	33.87	27.05	00.106	1459.9										
		OBS	00076	02.47	33.863	27.05		1460.0										
		OBS	00081	02.73	33.880	27.04		1461.3										
		OBS	00085	02.51	33.866	27.06		1460.4										
		OBS	00087	02.52	33.890	27.06		1460.5										
		OBS	00095	02.76	33.850	27.04		1461.6										
		OBS	00097	02.13	33.835	27.03		1458.8										
		STD	00100	01.72	33.78	27.04	00.132	1457.0										
		OBS	00100	01.65	33.775	27.04		1456.7										
		OBS	00106	01.79	33.890	27.12		1457.6										
		OBS	00108	01.41	33.650	27.10		1455.8										
		STD	00125	00.90	33.86	27.15	00.156	1453.8										
		OBS	00125	00.88	33.890	27.18		1453.8										
		OBS	00127	00.99	34.013	27.27		1454.5										
		OBS	00131	01.38	34.030	27.26		1456.3										
		STD	00150	01.50	34.13	27.35	00.177	1456.5										
		OBS	00150	01.50	34.137	27.35		1456.5										
		OBS	00161	01.72	34.230	27.40		1458.6										
		OBS	00169	02.40	34.350	27.44		1461.9										
		OBS	00171	02.88	34.370	27.42		1464.1										
		OBS	00178	03.69	34.500	27.44		1467.8										
		STD	00200	03.35	34.50	27.47	00.211	1466.9										
		OBS	00201	03.36	34.500	27.47		1466.9										
		OBS	00211	03.38	34.520	27.49		1467.1										
		OBS	00215	03.69	34.560	27.46		1466.5										
		OBS	00226	03.84	34.575	27.49		1469.3										
		STD	00250	04.04	34.68	27.55	00.241	1470.7										
		OBS	00251	04.05	34.680	27.55		1470.8										
		OBS	00276	04.39	34.725	27.55		1472.7										
		OBS	00285	04.53	34.760	27.58		1472.6										
		OBS	00285	04.53	34.820	27.61		1473.7										
		STD	00300	04.38	34.80	27.61	00.265	1473.1										
		OBS	00300	04.37	34.800	27.61		1473.1										
		OBS	00312	04.83	34.885	27.65		1475.3										
		OBS	00325	04.92	34.930	27.65		1475.9										
		OBS	00350	04.95	34.910	27.63		1476.5										
		OBS	00375	04.54	34.520	27.68		1475.3										
		STD	00400	04.60	34.92	27.68	00.318	1475.8										
		OBS	00401	04.60	34.920	27.68		1475.9										
		OBS	00424	04.46	34.910	27.69		1475.7										
		OBS	00451	04.53	34.930	27.69		1476.4										
		OBS	00475	04.58	34.520	27.68		1477.0										
		STD	00500	04.55	34.92	27.68	00.365	1477.3										
		OBS	00500	04.55	34.520	27.68		1477.3										
		OBS	00525	04.52	34.930	27.70		1477.6										
		OBS	00550	04.54	34.935	27.70		1478.1										
		OBS	00576	04.53	34.530	27.66		1478.5										
		STD	00600	04.55	34.53	27.69	00.413	1479.0										
		OBS	00601	04.55	34.530	27.69		1479.0										
		OBS	00626	04.51	34.930	27.70		1479.2										
		OBS	00651	04.42	34.520	27.70		1479.2										
		OBS	00677	04.37	34.930	27.71		1479.5										
		STD	00700	04.34	34.93	27.72	00.460	1475.7										
		OBS	00700	04.34	34.930	27.72		1479.8										
		OBS	00725	04.31	34.930	27.72		1480.0										
		OBS	00750	04.31	34.930	27.72		1480.4										
		OBS	00776	04.30	34.930	27.72		1480.8										
		STD	00800	04.24	34.93	27.73	00.506	1481.0										
		OBS	00801	04.24	34.930	27.73		1481.0										
		OBS	00826	04.22	34.930	27.73		1481.3										
		OBS	00850	04.15	34.950	27.73		1481.6										
		OBS	00875	04.13	34.917	27.73		1481.8										
		STD	00900	04.10	34.91	27.73	00.552	1481.0										
		OBS	00900	04.10	34.910	27.73		1482.0										
		OBS	00925	04.38	34.910	27.73		1482.4										
		OBS	00951	04.02	34.910	27.73		1482.6										
		OBS	00976	03.96	34.910	27.74		1482.7										
		STD	01000	03.94	34.94	27.77	00.598	1483.1										
		OBS	01001	03.94	34.940	27.77		1483.1										
		OBS	01020	03.92	34.940	27.77		1483.3										

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REF ID: A1 8555 YEAR 1973 BDTCR 02127 AIR TEMP 12.0 DIR MGT PER WIND-DIR 04 INST STO RECORDER TEM SC 1306  
 GENSEL 0132 MONTH 05 SHIP 6V WET BULB 10.0 04 1 2 WIND-SPO 16 TRACE GIR 0 5 SQUARE 2  
 LAT +2 +1 N DAY 13 DATA USE 1 BAROMETR 1017.6 SEA WEATHER 01 DURATION 2 SQUARE 28  
 LONG 049 19 W HOUR 23.0 AREA 05 CLOUD T/A CL/TR WEATHER 01 ORIG 011 317 1 SQUARE 29

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	ORVC	P34	TOT P	NO2	NO3	SIO3	PH
23.0	STO	00000	06.23	32.51	25.90	00.000	1473.2							
	OBS	00000	06.23	32.510	25.90		1473.2							
	STO	00010	05.46	33.07	26.12	00.020	1470.5							
	OBS	00010	05.46	33.070	26.12		1470.5							
	STO	00020	03.52	33.33	26.53	00.037	1462.9							
	OBS	00020	03.52	33.330	26.53		1462.9							
	STO	00030	01.66	33.38	26.72	00.051	1455.0							
	OBS	00030	01.66	33.380	26.72		1455.0							
	STO	00040	00.50	33.47	26.87		1450.1							
	OBS	00040	00.50	33.470	26.87		1450.1							
	STO	00050	01.01	33.53	26.89	00.077	1452.7							
	OBS	00050	01.01	33.530	26.89		1452.7							
	STO	00055	00.56	33.56	26.96		1449.9							
	OBS	00055	00.56	33.560	26.96		1449.9							
	STO	00065	00.46	33.59	26.97		1450.4							
	OBS	00065	00.46	33.590	26.97		1450.4							
	STO	00075	00.22	33.63	27.01		1449.5							
	OBS	00075	00.22	33.630	27.01	00.104	1450.4							
	STO	00075	00.36	33.68	27.06		1450.4							
	OBS	00075	00.36	33.680	27.06		1450.4							
	STO	00085	00.17	33.67	27.05		1449.6							
	OBS	00085	00.17	33.670	27.05		1449.6							
	STO	00100	00.39	33.75	27.10	00.129	1451.0							
	OBS	00100	00.39	33.750	27.10		1451.0							
	STO	00115	01.19	33.83	27.12		1455.0							
	OBS	00115	01.19	33.830	27.12		1455.0							
	STO	00120	01.31	33.88	27.15		1455.6							
	OBS	00120	01.31	33.880	27.15		1455.6							
	STO	00125	01.22	33.86	27.14	00.153	1455.3							
	OBS	00125	01.22	33.865	27.14		1455.3							
	STO	00140	01.51	34.02	27.26		1456.2							
	OBS	00140	01.51	34.020	27.26		1456.2							
	STO	00150	01.42	34.06	27.28	00.175	1456.9							
	OBS	00150	01.42	34.060	27.28		1456.9							
	STO	00180	01.08	34.22	27.44		1456.1							
	OBS	00180	01.08	34.220	27.44		1456.1							
	STO	00200	02.16	34.38	27.48	00.210	1461.4							
	OBS	00200	02.16	34.380	27.48		1461.4							
	STO	00218	02.53	34.40	27.47		1465.3							
	OBS	00218	02.53	34.400	27.47		1465.3							
	STO	00230	02.57	34.56	27.59		1463.9							
	OBS	00230	02.57	34.560	27.59		1463.9							
	STO	00250	03.46	34.65	27.58	00.239	1468.2							
	OBS	00250	03.46	34.650	27.58		1468.2							
	STO	00500	04.66	34.81	27.59	00.266	1474.3							
	OBS	00500	04.66	34.810	27.59		1474.3							
	STO	00514	04.70	34.82	27.59		1474.7							
	OBS	00514	04.70	34.820	27.59		1474.7							
	STO	00532	04.67	34.85	27.62		1474.9							
	OBS	00532	04.67	34.850	27.62		1474.9							
	STO	00605	04.64	34.90	27.64		1476.2							
	OBS	00605	04.64	34.900	27.64		1476.2							
	STO	00400	04.52	34.93	27.70	00.316	1475.5							
	OBS	00400	04.52	34.930	27.70		1475.5							
	STO	00417	05.00	34.98	27.68		1477.9							
	OBS	00417	05.00	34.980	27.68		1477.9							
	STO	00500	04.96	34.99	27.65	00.362	1479.1							
	OBS	00500	04.96	34.990	27.65		1479.1							
	STO	00600	04.73	35.01	27.74	00.407	1479.8							
	OBS	00600	04.73	35.010	27.74		1479.8							
	STO	00700	04.49	34.99	27.75	00.451	1460.4							
	OBS	00700	04.49	34.990	27.75		1460.4							
	STO	00800	04.26	34.97	27.76	00.494	1481.1							
	OBS	00800	04.26	34.970	27.76		1481.1							
	STO	00900	04.21	34.97	27.77	00.538	1482.6							
	OBS	00900	04.21	34.975	27.77		1482.6							
	STO	01000	04.05	34.95	27.77	00.581	1483.6							
	OBS	01000	04.05	34.955	27.77		1483.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 STATION 02897 AIR TEMP 11.7 OIR HGT PER WIND-OIR 11 INST STD RECORDER TEN SQ 1306  
 CONSEC 2133 MONTH 05 SHIP EV WET BULB 10.2 11 0 2 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 42 23 N DAY 24 DATA USE 1 BAROMETR 1016.7 SEA DURATION 2 SQUARE 28  
 LONG 049 11.5W HOUR 02.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 316 1 SQUARE 29

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	DAYG	PJ4	TOT P	MO2	MO3	S103	PH
	STO	00003	06.15	32.78	25.81									
32.4	OBS	00003	06.15	32.783	25.81	03.003	1472.8							
	OBS	00007	06.07	32.764	25.80		1472.5							
	OBS	00009	04.91	32.587	25.80		1467.6							
	STO	00010	04.51	32.64	25.80	00.022	1466.0							
	OBS	00011	03.51	32.764	26.08		1462.0							
	STO	00020	01.88	33.09	26.48	03.040	1455.4							
	OBS	00020	01.78	33.117	26.50		1455.1							
	OBS	00026	01.51	33.208	26.60		1454.1							
	STO	00030	00.55	33.18	26.63	00.055	1449.8							
	OBS	00032	00.10	33.155	26.64		1447.7							
	OBS	00034	- 0.13	33.277	26.74		1446.9							
	OBS	00036	00.95	33.412	26.79		1452.0							
	OBS	00041	- 1.01	33.304	26.80		1442.9							
	OBS	00043	- 1.09	33.330	26.82		1442.6							
	STO	00050	- 0.74	33.36	26.84	00.081	1444.4							
	OBS	00051	- 0.66	33.380	26.85		1444.8							
	OBS	00053	- 0.78	33.407	26.88		1444.4							
	OBS	00055	- 0.50	33.463	26.91		1445.8							
	OBS	00060	- 0.05	33.550	26.96		1447.9							
	OBS	00066	01.52	33.708	26.99		1455.5							
	OBS	00070	01.74	33.749	27.01		1456.6							
	STO	00075	02.74	33.65	27.01	00.110	1461.1							
	OBS	00078	03.15	33.850	27.01		1463.0							
	OBS	00083	03.40	33.937	27.02		1464.3							
	OBS	00091	02.93	33.880	27.02		1462.3							
	STO	00100	02.58	33.81	27.08	00.130	1460.9							
	OBS	00100	02.54	33.823	27.10		1460.8							
	OBS	00102	02.75	33.980	27.12		1461.8							
	OBS	00106	02.31	33.927	27.11		1459.9							
	OBS	00110	02.47	34.000	27.16		1460.8							
	OBS	00112	01.95	33.927	27.14		1456.4							
	OBS	00116	02.03	33.940	27.14		1458.9							
	OBS	00121	02.87	34.053	27.16		1462.8							
	STO	00125	02.80	34.02	27.14	00.160	1462.5							
	OBS	00125	02.79	34.010	27.14		1462.4							
	OBS	00127	02.77	34.030	27.15		1462.4							
	OBS	00131	02.40	34.007	27.17		1460.4							
	OBS	00133	02.25	33.980	27.16		1460.2							
	OBS	00139	01.63	34.030	27.24		1457.6							
	OBS	00140	03.35	34.170	27.21		1460.3							
	OBS	00146	03.68	34.228	27.23		1466.9							
	STO	00150	03.46	34.17	27.20	00.183	1465.9							
	OBS	00150	03.39	34.170	27.21		1465.0							
	OBS	00152	02.93	34.163	27.25		1463.7							
	OBS	00154	02.79	34.125	27.23		1463.0							
	OBS	00159	02.88	34.130	27.22		1463.5							
	OBS	00161	02.30	34.062	27.22		1461.0							
	OBS	00175	02.36	34.160	27.29		1461.6							
	OBS	00177	01.81	34.080	27.27		1459.1							
	OBS	00182	02.73	34.240	27.32		1463.4							
	OBS	00192	03.08	34.302	27.34		1465.2							
	STO	00200	03.04	34.30	27.35	00.224	1465.1							
	OBS	00203	03.02	34.293	27.34		1465.1							
	OBS	00215	02.58	34.235	27.33		1463.3							
	OBS	00217	02.61	34.235	27.33		1463.5							
	OBS	00222	03.69	34.370	27.34		1468.4							
	OBS	00224	03.71	34.375	27.34		1468.5							
	OBS	00232	04.51	34.500	27.36		1472.1							
	STO	00250	04.08	34.49	27.39	00.260	1470.6							
	OBS	00251	04.00	34.485	27.40		1470.3							
	OBS	00253	03.87	34.480	27.41		1469.8							
	OBS	00262	03.17	34.370	27.39		1466.8							
	OBS	00264	03.16	34.380	27.40		1466.8							
	OBS	00270	03.88	34.500	27.42		1470.1							
	OBS	00272	03.79	34.503	27.43		1469.8							
	OBS	00279	04.14	34.580	27.46		1471.5							
	OBS	00281	04.20	34.580	27.45		1472.0							
	OBS	00291	04.26	34.590	27.45		1472.2							
	STO	00300	04.22	34.56	27.45	00.295	1472.2							
	OBS	00308	04.13	34.573	27.45		1471.9							
	OBS	00310	04.00	34.630	27.51		1471.6							
	OBS	00319	03.79	34.590	27.50		1470.7							
	OBS	00323	03.79	34.570	27.49		1470.7							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOM T	SND VEL	DAYG	PC4	TOT P	NO2	NO3	SI03	PH
	OBS	00325	04.56	34.680	27.56		1471.6							
	OBS	00350	04.57	34.700	27.57		1472.1							
	OBS	00362	04.14	34.710	27.56		1473.4							
	OBS	00395	04.01	34.770	27.62		1473.1							
	STO	00400	04.30	34.61	27.63	00.354	1474.5							
	OBS	00401	04.40	34.825	27.63		1474.9							
	OBS	00426	04.58	34.830	27.61		1476.1							
	OBS	00428	04.24	34.810	27.63		1474.7							
	OBS	00451	04.30	34.857	27.66		1475.4							
	OBS	00464	04.19	34.840	27.66		1475.1							
	OBS	00474	04.64	34.915	27.67		1477.2							
	OBS	00475	04.67	34.910	27.66		1477.4							
	OBS	00477	04.67	34.910	27.66		1477.4							
	OBS	00483	04.44	34.885	27.67		1476.5							
	STO	00500	04.50	34.91	27.66	00.404	1477.2							
	OBS	00504	04.56	34.913	27.68		1477.4							
	OBS	00525	04.71	34.920	27.67		1476.4							
	OBS	00550	04.71	34.930	27.67		1476.8							
	OBS	00576	04.83	34.970	27.69		1475.8							
	STO	00600	04.50	34.96	27.65	00.452	1480.4							
	OBS	00601	04.50	34.960	27.69		1480.5							
	OBS	00626	04.76	34.960	27.65		1480.3							
	OBS	00651	04.70	34.950	27.69		1480.4							
	OBS	00675	04.67	34.960	27.70		1480.7							
	STO	00700	04.62	34.95	27.70	00.500	1480.9							
	OBS	00700	04.62	34.950	27.70		1480.9							
	OBS	00725	04.58	34.953	27.71		1481.2							
	OBS	00750	04.52	34.950	27.71		1481.3							
	OBS	00776	04.45	34.940	27.71		1481.5							
	STO	00800	04.40	34.94	27.72	00.548	1481.7							
	OBS	00801	04.40	34.940	27.72		1481.7							
	OBS	00826	04.40	34.940	27.72		1482.1							
	OBS	00850	04.36	34.940	27.72		1482.3							
	OBS	00875	04.33	34.940	27.72		1482.6							
	STO	00900	04.30	34.94	27.72	00.555	1482.9							
	OBS	00900	04.30	34.935	27.72		1482.9							
	OBS	00925	04.30	34.940	27.73		1483.3							
	OBS	00953	04.24	34.930	27.73		1483.5							
	OBS	00976	04.23	34.935	27.73		1483.9							
	STO	01000	04.19	34.93	27.73	00.642	1484.1							
	OBS	01001	04.19	34.930	27.73		1484.1							
	OBS	01016	04.15	34.940	27.74		1484.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOO C S T A T I O N D A T A

REFID 31 #555 YEAR 1973 #D TOP 03171 AIR TEMP 11.5 OIR HGT PER WIND-OIR 09 INST STO RECORDER TEN SQ 1306  
 CONSEC 0134 MOYTH 05 SHIP EV WET BULB 10.5 09 0 2 WIND-SPD 16 TRACE OIR D 5 SQUARE 2  
 LAT 42 33.54 DAY 24 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION DRIG 011 319 2 SQUARE 28  
 LONG 049 03.54 HOUR 05.4 AREA 05 CLOUD T/A CL/TR WEATHER R5 1 SQUARE 29

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	DAYC	PO4	TOT P	NO2	NO3	S103	PH
05.4	STO	03000	38.03	32.43	25.28	00.000	1475.7							
085	03001	0m.03	32.430	25.28			1475.7							
085	03005	07.98	32.436	25.29			1475.7							
STO	00010	07.50	32.37	25.25	00.027		1475.3							
085	00011	07.66	32.360	25.27			1476.4							
085	03013	06.05	32.707	25.76			1472.5							
085	03015	04.43	32.645	26.05			1466.0							
STO	03020	03.48	32.69	26.18	03.050		1462.1							
085	03020	03.29	32.505	26.21			1461.4							
085	03024	02.45	32.575	26.34			1457.9							
085	030.8	02.10	32.556	26.35			1456.4							
STO	00050	01.76	32.54	26.36	00.068		1454.9							
085	03050	01.64	32.536	26.37			1454.5							
085	03032	01.18	32.575	26.43			1452.4							
085	03036	03.91	33.052	26.54			145.4							
085	03040	01.04	33.115	26.55			1452.1							
085	03043	- 0.20	33.127	26.63			1446.5							
085	03045	- 0.42	33.143	26.65			1445.5							
085	03047	- 0.41	33.155	26.69			1445.7							
085	03049	- 0.13	33.195	26.68			1447.0							
STO	03050	- 0.26	33.20	26.68	03.058		1446.4							
085	03053	- 1.03	33.197	26.72			1442.9							
STO	03075	- 0.54	33.34	26.83	00.130		1443.6							
085	03077	- 0.56	33.345	26.83			1443.6							
STO	00100	- 0.95	33.48	26.94	00.160		1444.4							
085	03100	- 0.95	33.485	26.95			1444.5							
085	03114	- 0.50	33.537	26.97			1440.6							
085	03116	- 0.45	33.540	26.97			1447.1							
085	03118	- 0.19	33.550	26.97			1448.4							
085	03121	- 0.37	33.550	26.98			1447.6							
STO	03125	- 0.28	33.55	26.97	00.187		1448.0							
085	03125	- 0.28	33.545	26.97			1448.1							
085	03127	- 0.30	33.520	26.95			1448.0							
085	03126	- 0.54	33.543	26.98			1446.9							
085	03133	- 0.34	33.625	27.03			1448.0							
085	03135	03.07	33.680	27.06			1450.0							
STO	00150	- 0.04	33.68	27.06	00.213		1449.8							
085	03150	- 0.04	33.680	27.06			1449.8							
085	03156	03.17	33.712	27.08			1450.9							
085	03171	03.80	33.900	27.20			1454.2							
085	03173	01.48	33.990	27.22			1457.4							
085	03175	01.98	34.020	27.21			1459.7							
085	03176	02.72	34.144	27.25			1463.2							
085	03182	03.54	34.230	27.24			1466.9							
085	03186	03.75	34.248	27.24			1467.9							
085	03190	04.39	34.330	27.23			1470.7							
085	03194	04.40	34.320	27.23			1470.8							
STO	03200	04.58	34.34	27.22	03.260		1471.7							
085	03203	04.60	34.350	27.23			1471.8							
085	03205	04.58	34.383	27.26			1471.8							
085	03215	05.54	34.580	27.25			1477.8							
085	03218	06.00	34.650	27.30			1478.2							
085	03220	06.78	34.720	27.32			1475.5							
085	03224	06.53	34.665	27.28			1479.7							
085	03232	05.91	34.610	27.28			1478.0							
STO	03250	05.66	34.58	27.29	00.303		1477.3							
085	03251	05.64	34.560	27.29			1477.2							
085	03256	05.53	34.580	27.30			1476.9							
085	03262	04.51	34.477	27.34			1472.6							
085	03268	04.22	34.475	27.37			1471.5							
085	03272	04.23	34.452	27.38			1471.5							
085	03277	04.59	34.510	27.38			1473.2							
085	03281	04.48	34.510	27.37			1472.8							
085	03285	04.10	34.460	27.37			1471.2							
085	03267	03.88	34.480	27.41			1470.4							
STO	03300	04.37	34.56	27.42	00.341		1472.7							
085	03300	04.40	34.570	27.42			1472.9							
085	03310	04.65	34.693	27.47			1475.1							
085	03314	04.67	34.690	27.47			1475.2							
085	03317	05.25	34.731	27.45			1477.1							
085	03327	04.54	34.700	27.47			1477.8							
085	03340	04.90	34.715	27.46			1475.8							
085	03350	03.48	34.510	27.47			1465.8							
085	00354	03.10	34.535	27.53			1468.2							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A														
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SI03	PH
085	0035c	03.21	34.535	27.52			1466.7							
085	00361	03.52	34.580	27.52			1470.2							
085	00371	04.06	34.736	27.57			1472.8							
085	00375	04.15	34.720	27.57			1473.3							
STO	00400	03.88	34.71	27.59		00.403	1472.5							
085	00403	03.84	34.713	27.60			1472.4							
085	00426	04.36	34.840	27.64			1475.2							
085	00445	04.53	34.870	27.65			1476.3							
085	00453	04.76	34.910	27.65			1477.4							
085	00475	04.58	34.910	27.67			1477.0							
STO	00500	04.79	34.92	27.66		00.455	1478.3							
085	00500	04.79	34.925	27.66			1478.3							
085	00534	05.01	34.957	27.66			1479.8							
085	00550	04.53	34.930	27.65			1479.7							
085	00576	05.01	34.950	27.66			1480.5							
STO	00600	05.01	34.96	27.66		00.506	1480.6							
085	00601	05.01	34.960	27.66			1480.6							
085	0062c	04.52	34.950	27.67			1480.6							
085	00651	04.85	34.950	27.67			1481.2							
085	00675	04.80	34.950	27.68			1481.3							
STO	00700	04.78	34.95	27.68		00.556	1481.6							
085	00700	04.78	34.950	27.68			1481.6							
085	00725	04.71	34.948	27.69			1481.7							
085	00750	04.67	34.950	27.65			1482.0							
085	00776	04.62	34.945	27.70			1482.2							
STO	00800	04.60	34.95	27.70		00.606	1482.5							
085	00801	04.60	34.950	27.70			1482.5							
085	00826	04.55	34.940	27.70			1482.7							
085	00850	04.48	34.935	27.70			1482.8							
085	00875	04.49	34.940	27.71			1483.3							
STO	00900	04.43	34.93	27.71		00.655	1483.4							
085	00900	04.43	34.930	27.71			1483.4							
085	00925	04.35	34.930	27.71			1483.7							
085	00951	04.32	34.935	27.72			1483.9							
085	00976	04.30	34.940	27.73			1484.2							
STO	01000	04.26	34.93	27.72		00.704	1484.4							
085	01001	04.26	34.930	27.72			1484.4							
085	0101c	04.23	34.923	27.72			1484.5							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REFID 31 8:55 YEAR 1973 BOTOP 03224 AIR TEMP 16.8 DIR MGT PEK WIND-DIR 14 INST STD RECORDER TEN SW 1506  
 CONSEC 01:55 NGMTM 05 SHIP EV WET BULB 14.0 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT -1 30.5N DAY 24 DATA USE 1 BAROMETR 1017.2 SEA 1 WIND-FOR DURATION 2 SQUARE 06  
 LONG -84 49 W HOUR 05.7 AREA 05 CLOUD T/A CLYTR WEATHER X2 ORIG 011 320 1 SQUARE 16

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	PO4	TOT P.	NO2	NO3	SIO3	PH
	STD	00000	16.15	35.74	26.30	00.000	1511.9							
09.7	085	00001	16.15	35.740	26.30		1511.9							
	STD	00010	16.16	35.74	26.30	00.017	1512.1							
	085	00011	16.16	35.740	26.30		1512.1							
	STD	00020	16.17	35.74	26.30	00.025	1512.3							
	085	00020	16.17	35.745	26.30		1512.3							
	STD	00030	15.01	35.76	26.35	00.052	1511.3							
	065	00030	15.77	35.757	26.40		1511.2							
	085	00036	15.22	35.740	26.51		1505.6							
	085	00036	14.85	35.774	26.62		1508.5							
	085	00043	14.44	35.745	26.69		1507.2							
	STD	00050	14.20	35.71	26.72	00.082	1506.5							
	085	00051	14.15	35.730	26.72		1506.4							
	STD	00075	13.91	35.74	26.80	00.115	1506.0							
	085	00076	13.90	35.742	26.80		1506.0							
	STD	00100	13.75	35.72	26.82	00.147	1505.9							
	085	00102	13.73	35.720	26.82		1505.9							
	STD	00125	13.64	35.71	26.85	00.176	1505.9							
	085	00125	13.63	35.710	26.83		1505.9							
	085	00129	13.56	35.700	26.84		1505.7							
	STD	00150	13.40	35.62	26.85	00.210	1504.8							
	065	00150	13.19	35.620	26.85		1504.7							
	085	00175	12.62	35.530	26.90		1503.1							
	STD	00200	12.38	35.54	26.95	00.270	1502.7							
	085	00201	12.36	35.547	26.96		1502.7							
	085	00211	12.53	35.600	26.97		1503.5							
	085	00226	12.05	35.520	26.99		1502.1							
	085	00239	11.93	35.510	27.02		1501.8							
	STD	00250	11.57	35.40	27.00	00.327	1500.6							
	065	00251	11.55	35.390	27.00		1500.5							
	065	00276	10.94	35.400	27.12		1496.8							
	065	00289	10.67	35.363	27.14		1498.0							
	065	00295	10.38	35.270	27.12		1496.9							
	STD	00300	10.25	35.26	27.12	00.381	1496.7							
	065	00303	10.26	35.260	27.13		1496.7							
	085	00325	09.79	35.267	27.22		1495.9							
	085	00350	09.16	35.200	27.27		1493.3							
	085	00375	08.70	35.160	27.31		1491.5							
	065	00380	06.58	35.160	27.33		1491.6							
	085	00388	08.25	35.065	27.31		1490.3							
	085	00394	08.04	35.060	27.33		1489.6							
	STD	00400	07.43	34.96	27.34	00.473	1487.3							
	085	00401	07.36	34.930	27.33		1487.0							
	085	00403	07.32	34.900	27.32		1486.8							
	065	00428	06.48	34.810	27.36		1483.8							
	085	00432	06.37	34.800	27.37		1483.4							
	085	00443	07.04	34.910	27.36		1486.4							
	085	00453	06.88	34.927	27.40		1485.9							
	065	00472	06.55	34.950	27.44		1485.1							
	085	00477	06.68	34.997	27.45		1486.4							
	065	00481	07.04	35.047	27.47		1487.2							
	085	00493	06.73	35.025	27.50		1486.1							
	STD	00500	06.18	34.92	27.48	00.547	1483.9							
	085	00500	06.17	34.915	27.48		1483.9							
	085	00504	06.21	34.927	27.49		1484.1							
	085	00515	06.43	34.940	27.47		1485.2							
	085	00525	06.05	34.917	27.50		1483.8							
	065	00552	05.93	35.015	27.59		1483.9							
	085	00573	05.75	35.020	27.62		1483.7							
	085	00590	05.21	34.940	27.62		1481.5							
	STD	00600	05.20	34.93	27.62	00.609	1481.6							
	085	00601	05.19	34.930	27.62		1481.6							
	085	00626	04.50	34.915	27.64		1480.8							
	085	00651	04.89	34.920	27.65		1481.2							
	085	00675	04.59	34.930	27.64		1482.0							
	STD	00700	04.54	34.93	27.65	00.663	1482.2							
	085	00700	04.54	34.930	27.65		1482.2							
	085	00725	04.72	34.920	27.67		1481.7							
	085	00750	04.22	34.910	27.71		1480.0							
	085	00763	04.12	34.910	27.72		1479.8							
	085	00776	04.15	34.910	27.72		1480.2							
	STD	00800	04.17	34.92	27.73	00.713	1480.7							
	065	00801	04.17	34.920	27.73		1480.7							
	085	00826	04.26	34.910	27.71		1481.5							
	065	00850	04.20	34.917	27.72		1481.8							
	085	00875	04.35	34.920	27.71		1482.7							
	STD	00900	04.51	34.95	27.72	00.760	1483.8							
	085	00900	04.51	34.955	27.72		1483.8							
	065	00925	04.60	34.940	27.69		1484.6							
	085	00951	04.55	34.940	27.70		1484.6							
	065	00976	04.45	34.940	27.71		1484.8							
	STD	01000	04.20	34.92	27.71	00.809	1484.7							
	085	01001	04.20	34.920	27.71		1484.7							
	085	01016	04.35	34.930	27.71		1485.0							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOOC STATION DATA

REFIL 31 835> YEAR 1973 BOTOP 03725 AIR TEMP 22.4 DIR MGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1307  
 COMSEC 0136 MONTH 05 SHIP EV WET BULB 19.2 11 5 3 WIND-SPO J2 TRACE DIR 0 5 SQUARE 1  
 LAT 41 26 N DAY 24 DATA USE 1 BAROMETR 1016.5 SEA WIND-FOR DURATION 2 SQUARE 00  
 LONG 153 19 W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORIG Q11 521 1 SQUARE 10

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHM	SNO VEL	OAYG	PJ4	TOT P	NO2	NO3	S103	PM
17.1	STO	00300	18.19	35.80	25.86	00.000	1518.0							
	085	00301	18.19	35.80	25.86		1518.0							
	STO	00310	18.00	35.85	25.93	00.021	1517.6							
	085	00311	17.96	35.840	25.94		1517.6							
	085	00312	17.91	35.830	25.95		1517.4							
	STO	00320	17.44	35.72	25.98	00.042	1516.0							
	085	00322	17.47	35.657	26.00		1515.6							
	STO	00330	18.54	35.69	26.08	00.062	1514.7							
	085	00033	18.89	35.690	26.09		1514.6							
	085	00034	18.41	35.490	26.20		1513.2							
	085	00036	18.21	35.665	26.20		1512.9							
	085	00038	15.71	35.430	26.32		1511.0							
	085	00040	15.20	35.502	26.33		1509.3							
	085	00041	14.75	35.380	26.33		1507.5							
	085	00043	14.44	35.550	26.52		1507.2							
	085	00044	14.74	35.652	26.55		1506.2							
	STO	00050	14.47	35.43	26.55	00.096	1507.9							
	085	00051	14.52	35.600	26.56		1507.4							
	085	00055	14.47	35.450	26.61		1507.4							
	STO	00075	14.53	35.77	26.65	00.133	1508.1							
	085	00076	14.53	35.782	26.69		1508.1							
	085	00087	14.41	35.860	26.78		1508.0							
	STO	00100	14.62	35.94	26.80	00.166	1504.0							
	085	00100	14.63	35.940	26.80		1503.0							
	085	00110	14.74	35.938	26.77		1505.5							
	085	00119	14.06	35.750	26.76		1507.2							
	STO	00125	14.01	35.73	26.77	00.199	1507.2							
	085	00133	13.91	35.710	26.77		1506.4							
	STO	00150	13.60	35.60	26.75	00.232	1506.1							
	085	00152	13.57	35.590	26.75		1506.0							
	085	00175	13.44	35.597	26.78		1505.9							
	085	00178	13.43	35.590	26.79		1505.9							
	085	00186	13.89	35.733	26.79		1507.8							
	085	00199	13.91	35.785	26.83		1508.1							
	STO	00200	13.90	35.78	26.83	00.298	1508.1							
	085	00203	13.52	35.700	26.85		1506.8							
	085	00226	13.39	35.700	26.87		1506.8							
	085	00228	13.18	35.610	26.85		1506.0							
	STO	00250	12.65	35.53	26.89	00.361	1504.5							
	085	00251	12.64	35.530	26.89		1504.4							
	085	00276	12.73	35.610	26.94		1505.2							
	STO	00300	12.56	35.61	26.97	00.421	1505.1							
	085	00300	12.54	35.600	26.97		1505.0							
	085	00332	12.50	35.580	26.96		1504.9							
	085	00325	11.84	35.505	27.03		1502.9							
	085	00331	11.73	35.485	27.02		1502.6							
	085	00338	11.90	35.535	27.04		1503.4							
	085	00350	11.50	35.500	27.09		1502.1							
	085	00375	10.70	35.350	27.12		1495.5							
	085	00354	10.11	35.253	27.15		1497.6							
	STO	00400	09.99	35.25	27.17	00.530	1497.2							
	085	00401	09.96	35.250	27.17		1497.2							
	085	00426	09.59	35.245	27.23		1496.2							
	085	00454	08.97	35.170	27.28		1494.2							
	085	00475	08.35	35.120	27.33		1492.2							
	STO	00500	08.03	35.05	27.33	00.622	1491.3							
	085	00502	07.95	35.050	27.33		1491.2							
	085	00527	07.45	35.037	27.40		1489.5							
	085	00550	07.18	35.040	27.45		1488.9							
	085	00576	07.35	35.140	27.54		1488.9							
	STO	00600	06.86	35.13	27.57	00.696	1488.5							
	085	00612	06.45	35.100	27.57		1487.9							
	085	00626	06.36	35.040	27.56		1486.9							
	085	00651	05.77	35.026	27.62		1484.9							
	085	00668	05.56	35.010	27.64		1484.3							
	085	00675	05.03	34.920	27.63		1482.2							
	STO	00700	05.08	34.91	27.62	00.755	1482.8							
	085	00700	05.08	34.910	27.62		1482.8							
	085	00725	04.89	34.912	27.66		1481.6							
	085	00750	04.12	34.840	27.67		1475.5							
	085	00767	04.11	34.825	27.66		1476.7							
	085	00776	03.57	34.848	27.65		1475.3							
	STO	00800	04.08	34.85	27.68	00.806	1480.2							
	085	00801	04.08	34.850	27.68		1480.2							
	085	00826	04.08	34.860	27.69		1480.6							
	085	00850	04.00	34.846	27.69		1480.7							
	085	00860	03.94	34.840	27.65		1480.6							
	085	00875	03.99	34.850	27.69		1481.1							
	STO	00900	04.03	34.90	27.72	00.857	1481.7							
	085	00900	04.03	34.897	27.72		1481.7							
	085	00925	04.06	34.906	27.73		1482.3							
	085	00951	04.05	34.900	27.72		1482.7							
	085	00976	04.08	34.910	27.73		1483.2							
	STO	01000	04.05	34.91	27.73	00.905	1483.5							
	085	01001	04.05	34.905	27.73		1483.5							
	085	01014	04.05	34.910	27.73		1483.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N O A T A

REFID 01 0355 YEAR 1973 BOTDP 03545 AIR TEMP 11.8 OIR MGT PER WIND-DIR 13 INST STC REORDER TEN 50 1507  
 CONSEC 3137 MONTH 05 SHIP EV WET BULB 11.6 08 2 3 WIND-SPD 10 TRACE OIR 0 5 SQUARE 1  
 LAT 42 02 N DAY 24 DATA USE 1 BAROMETER 1016.7 SEA 5EA WIND-FDK DURATION 2 SQUARE 20  
 LONG 353 17.5W HOUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER 84 DRIG 011 322 1 SQUARE 20

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	DAYG	P04	TOT P	M02	M03	5133	PH
21.2	STD	00000	37.93	33.43	25.29	00.000	1479.2							
	085	00001	37.90	33.429	25.29		1475.2							
	085	00007	07.72	32.465	25.35		1478.7							
	STD	00010	08.37	33.19	25.82	00.024	1482.2							
	085	00011	08.82	33.450	25.95		1484.2							
	085	00013	09.50	33.615	25.97		1487.3							
	085	00019	05.87	33.860	26.10		1488.4							
	STD	00020	04.52	33.82	26.13	00.045	1487.4							
	085	00020	05.29	33.800	26.15		1486.6							
	085	00024	05.26	33.567	26.29		1488.8							
	STD	00030	07.62	33.62	26.27	00.063	1482.1							
	085	00030	07.49	33.607	26.26		1475.6							
	085	00032	07.05	33.600	26.33		1477.5							
	085	00034	05.94	33.420	26.33		1473.3							
	085	00036	05.41	33.517	26.48		1471.3							
	085	00038	05.36	33.487	26.46		1471.1							
	085	00040	02.88	33.140	26.44		1460.2							
	085	00043	02.03	33.087	26.46		1456.5							
	085	00047	01.56	33.223	26.60		1454.7							
	STD	00050	01.60	33.21	26.55	00.095	1454.8							
	085	00051	01.62	33.200	26.58		1455.0							
	085	00053	01.47	33.195	26.55		1454.3							
	085	00055	01.06	33.135	26.57		1452.4							
	085	00059	00.23	33.155	26.63		1448.8							
	085	00060	00.02	33.130	26.62		1447.8							
	085	00064	- 0.05	33.520	26.78		1447.6							
	085	00068	01.05	33.530	26.88		1453.1							
	085	00070	01.37	33.535	26.87		1454.6							
	STD	00075	02.35	33.63	26.87	00.129	1455.1							
	085	00078	02.70	33.687	26.89		1460.8							
	085	00079	02.81	33.723	26.91		1461.4							
	085	00081	03.35	33.870	26.97		1463.9							
	085	00085	03.55	33.862	26.95		1464.8							
	085	00087	04.63	34.015	26.96		1465.6							
	STD	00100	05.14	34.14	27.00	00.157	1472.1							
	085	00100	05.16	34.150	27.01		1472.2							
	STD	00125	05.05	34.22	27.07	00.183	1472.4							
	085	00125	05.06	34.218	27.07		1472.3							
	085	00133	04.60	34.160	27.08		1470.4							
	085	00148	04.81	34.335	27.19		1471.8							
	STD	00150	05.05	34.37	27.19	00.207	1472.9							
	085	00152	05.38	34.413	27.19		1474.3							
	085	00175	05.64	34.480	27.21		1475.8							
	STD	00200	05.82	34.55	27.24	00.251	1477.0							
	085	00205	05.80	34.560	27.24		1477.3							
	085	00226	05.68	34.550	27.26		1476.9							
	085	00241	05.23	34.540	27.31		1475.2							
	085	00249	05.37	34.570	27.31		1476.1							
	STD	00250	05.34	34.57	27.31	00.293	1475.9							
	085	00251	05.26	34.565	27.32		1475.7							
	085	00276	04.98	34.565	27.35		1474.9							
	STD	00300	05.04	34.68	27.44	00.330	1475.7							
	085	00302	05.05	34.690	27.45		1475.8							
	085	00327	04.83	34.710	27.49		1475.3							
	085	00352	05.08	34.755	27.49		1476.8							
	085	00375	05.04	34.840	27.57		1477.1							
	STD	00400	04.99	34.83	27.56	00.393	1477.3							
	085	00401	04.99	34.830	27.56		1477.4							
	085	00403	04.95	34.837	27.57		1477.4							
	085	00411	05.19	34.910	27.60		1478.4							
	085	00426	05.27	34.895	27.58		1475.0							
	085	00441	05.38	34.928	27.55		1479.7							
	085	00451	05.24	34.915	27.60		1475.3							
	STD	00500	05.54	35.00	27.63	00.445	1481.4							
	085	00500	05.54	35.000	27.63		1481.5							
	085	00506	05.22	34.940	27.62		1480.2							
	085	00525	04.97	34.900	27.62		1479.4							
	085	00550	04.99	34.930	27.64		1479.9							
	085	00576	04.85	34.907	27.64		1475.8							
	STD	00600	04.78	34.90	27.64	00.502	1479.9							
	085	00601	04.78	34.93 P	27.670									
	085	00626	04.76	34.890	27.64		1480.2							
	085	00651	04.62	34.910	27.67		1480.1							
	085	00677	04.83	34.940	27.67		1481.4							
	STD	00700	04.76	34.93	27.67	00.554	1481.5							
	085	00700	04.76	34.930	27.67		1481.5							
	085	00725	04.74	34.950	27.69		1481.8							
	085	00750	04.69	34.940	27.66		1482.0							
	085	00776	04.71	34.950	27.69		1482.6							
	STD	00800	04.68	34.96	27.73	00.605	1482.9							
	085	00801	04.68	34.960	27.70		1482.9							
	085	00826	04.62	34.940	27.69		1483.3							
	085	00850	04.55	34.950	27.71		1483.1							
	085	00875	04.45	34.927	27.70		1483.1							
	STD	00900	04.31	34.95	27.71	00.653	1482.9							
	085	00900	04.31	34.925	27.71		1482.9							
	085	00925	04.33	34.920	27.71		1483.4							
	085	00951	04.33	34.920	27.71		1483.5							
	085	00976	04.26	34.930	27.72		1484.1							
	STD	01000	04.17	34.91	27.72	00.702	1484.0							
	085	01001	04.17	34.910	27.72		1484.0							
	085	01016	04.15	34.916	27.72		1484.4							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

				NOOC STATION DATA										
REFID	SR	8555	YEAR 1973	BOTOP 02970	AIR TEMP 12.8	DIR MGT PER	WIND-DIR 23	INST \$TO RECORDER	TEN SQ 1307					
CONSEC	0136	MONTH 05	SMIP EV	WET BULB 12.0	DIR MGT PER	WIND-SPD 08	TRACE DIR 0	5 SQUARE 1						
LAT	42 11.5 N	DAY 25	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION	2 SQUARE 20						
LONG	050 19 W	HOOR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 323	1 SQUARE 20						
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PN
00.0	STD	00330	07.36	32.73	25.01	00.000	1477.5							
	085	00331	07.36	32.730	25.61		1477.5							
	STD	00310	07.25	32.77	25.65	00.024	1477.4							
	085	00311	07.13	32.775	25.67		1476.8							
	085	00313	06.65	32.746	25.69		1475.7							
	085	00315	05.65	32.877	25.91		1472.1							
	085	00319	05.67	32.835	25.91		1471.2							
	STD	00320	05.20	32.76	25.93	00.046	1465.2							
	085	00320	04.90	32.782	25.95		1466.0							
	085	00322	04.65	32.851	26.03		1467.1							
	085	00324	04.98	32.825	26.02		1466.6							
	085	00328	04.92	32.772	26.05		1464.0							
	STD	00330	03.77	32.62	26.18	00.066	1463.6							
	085	00330	03.77	32.62	26.18		1463.4							
	085	00030	03.74	32.965	26.22		1463.4							
	085	00047	02.92	33.140	26.43		1460.5							
	STD	00050	03.27	33.24	26.48	00.100	1462.2							
	085	00051	03.44	33.286	26.50		1463.3							
	085	00062	04.12	33.553	26.65		1466.4							
	085	00068	03.96	33.550	26.66		1465.9							
	085	00070	03.24	33.445	26.64		1463.1							
	STD	00075	03.50	33.65	26.78	00.135	1464.2							
	085	00076	03.51	33.672	26.80		1464.2							
	085	00075	03.40	33.668	26.80		1464.0							
	085	00067	04.21	33.878	26.89		1467.7							
	STD	00100	04.65	33.98	26.93	00.166	1469.8							
	085	00100	04.68	33.985	26.93		1470.0							
	085	00110	02.29	33.700	26.93		1459.6							
	085	00112	02.46	33.782	27.01		1454.1							
	085	00114	01.62	33.765	27.02		1457.7							
	085	00123	01.86	33.810	27.05		1458.0							
	STD	00125	01.81	33.79	27.04	00.193	1457.8							
	085	00125	01.75	33.783	27.04		1457.7							
	085	00127	01.77	33.810	27.06		1457.7							
	085	00142	02.54	33.860	27.04		1461.4							
	085	00144	01.64	33.788	27.04		1458.3							
	STD	00150	01.73	33.85	27.10	00.218	1458.0							
	085	00150	01.72	33.857	27.10		1457.9							
	085	00152	01.67	33.876	27.12		1457.8							
	085	00161	01.39	33.883	27.14		1456.7							
	085	00165	01.60	33.880	27.13		1457.7							
	085	00177	01.54	34.010	27.24		1457.8							
	085	00199	01.54	34.030	27.25		1458.2							
	STD	00200	01.52	34.03	27.25	00.263	1458.1							
	085	00201	01.20	34.065	27.30		1456.6							
	085	00205	01.81	34.140	27.32		1459.7							
	085	00226	02.18	34.210	27.35		1461.7							
	085	00243	03.10	34.480	27.48		1466.3							
	STD	00250	03.34	34.52	27.49	00.300	1467.5							
	085	00251	03.40	34.525	27.49		1467.8							
	085	00257	03.67	34.560	27.49		1465.1							
	085	00266	04.25	34.633	27.49		1472.0							
	085	00276	04.55	34.700	27.51		1473.3							
	085	00281	04.60	34.650	27.50		1473.6							
	085	00287	05.01	34.758	27.54		1475.5							
	STD	00300	04.96	34.79	27.54	00.330	1475.5							
	085	00300	04.96	34.750	27.53		1475.5							
	085	00316	04.59	34.835	27.57		1476.0							
	085	00319	05.62	34.920	27.56		1478.7							
	085	00325	05.62	34.930	27.56		1478.8							
	085	00331	05.36	34.910	27.56		1477.8							
	085	00350	05.26	34.895	27.58		1477.7							
	085	00375	05.20	34.840	27.59		1477.9							
	STD	00400	05.11	34.90	27.60	00.387	1477.9							
	085	00401	05.10	34.900	27.61		1477.9							
	085	00428	04.91	34.930	27.65		1477.6							
	085	00451	04.87	34.910	27.64		1477.8							
	085	00475	04.88	34.903	27.63		1478.2							
	STD	00500	04.81	34.90	27.64	00.440	1478.3							
	085	00500	04.81	34.900	27.64		1478.3							
	085	00525	04.69	34.900	27.65		1470.3							
	085	00550	04.78	34.930	27.67		1475.1							
	085	00576	04.67	34.920	27.67		1475.1							
	STD	00600	04.71	34.92	27.67	00.492	1475.6							
	085	00601	04.71	34.920	27.67		1475.6							
	085	00626	04.71	34.935	27.68		1480.1							
	085	00651	04.67	34.940	27.69		1480.3							
	085	00675	04.63	34.937	27.69		1480.6							
	STD	00700	04.62	34.94	27.69	00.541	1480.9							
	085	00700	04.62	34.940	27.69		1480.5							
	085	00725	04.55	34.930	27.69		1481.0							
	085	00750	04.44	34.920	27.70		1481.3							
	085	00776	04.40	34.920	27.70		1481.2							
	STD	00800	04.31	34.92	27.71	00.585	1481.2							
	085	00801	04.30	34.920	27.71		1481.2							
	085	00826	04.22	34.915	27.72		1481.3							
	085	00850	04.21	34.910	27.71		1481.7							
	085	00875	04.21	34.915	27.72		1482.1							
	STD	00900	04.21	34.92	27.72	00.637	1482.5							
	085	00900	04.21	34.920	27.72		1482.5							
	085	00925	04.22	34.927	27.73		1483.0							
	085	00951	04.17	34.910	27.72		1483.2							
	085	00976	04.17	34.920	27.73		1483.6							
	STD	01000	04.11	34.91	27.72	00.684	1483.7							
	085	01001	04.11	34.910	27.72		1483.6							
	085	01016	04.12	34.915	27.73		1484.1							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N D O C S T A T I O N D A T A

REFID 34 #355	YEAR 1973	BDTOP 02563	AIR TEMP 08.9	DIR HGT PER	WIND-JIR 18	INST STO RECORDER	TEN Su 1507
CONSEL 0135	MUNTM 05	SHIP EV	WET BULB 08.2	19 0 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 1
LAT +2 36 N	DAY 25	DATA USE 1	BAROMETR 1016.8	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 17 W	MOUR 02.1	AREA 05	CLOUD T/A	CL/7R	WEATHER 14	DRIG 011 324	1 SQUARE 20

CASSTNUN/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	DTYG	PD4	TOT P	MO2	MO3	SID2	PH
	STO	00000		32.97										
02.1	OBS	00001	00.73 P	32.970	26.450									
	STO	00010		32.98										
	OBS	00011	00.66 P	32.980	26.470									
	OBS	00013	00.47	32.978	25.92		1474.5							
	OBS	00015	00.04	32.947	25.95		1472.8							
	OBS	00017	05.77	33.075	26.08		1471.9							
	STO	00020	03.73	33.05	26.32		1463.5							
	OBS	00023	03.34	33.052	26.36		1461.8							
	OBS	00022	02.89	33.152	26.48		1460.0							
	OBS	00024	02.84	33.170	26.46		1459.8							
	OBS	00028	02.47	33.110	26.45		1458.2							
	STO	00030	01.90	33.05	26.44		1455.6							
	OBS	00030	01.70	33.037	26.45		1454.7							
	OBS	00032	00.58	33.030	26.46		1451.5							
	OBS	00034	00.71	33.192	26.63		1450.6							
	OBS	00038	00.87	33.315	26.72		1451.5							
	OBS	00041	00.70	33.325	26.74		1450.8							
	OBS	00045	01.51	33.480	26.81		1454.8							
	OBS	00047	01.64	33.520	26.84		1455.4							
	OBS	00045	02.02	33.535	26.82		1457.2							
	STO	00050	02.00	33.54	26.82		1457.4							
	OBS	00051	02.18	33.537	26.81		1457.5							
	OBS	00053	00.18	33.380	26.81		1448.7							
	OBS	00055	00.18	33.413	26.84		1448.8							
	OBS	00057	00.50	33.475	26.87		1450.7							
	OBS	00055	00.55	33.460	26.85		1450.8							
	OBS	00060	00.20	33.470	26.86		1449.5							
	OBS	00062	00.49	33.460	26.86		1450.4							
	OBS	00070	- 0.26	33.473	26.91		1447.1							
	OBS	00072	- 0.22	33.465	26.90		1447.3							
	STO	00075	00.69	33.41	26.97		1451.8							
	OBS	00076	00.91	33.640	26.98		1452.8							
	OBS	00075	00.59	33.630	26.97		1453.0							
	OBS	00061	01.25	33.650	27.00		1454.5							
	OBS	00085	02.83	33.890	27.04		1461.8							
	OBS	00087	02.40	33.820	27.02		1459.8							
	OBS	00057	02.09	33.890	27.10		1458.7							
	STO	00100	02.44	33.92	27.10		1460.3							
	OBS	00100	02.59	33.950	27.11		1461.1							
	OBS	00102	02.99	34.020	27.13		1462.9							
	OBS	00104	03.07	34.022	27.12		1463.3							
	OBS	00108	02.50	33.960	27.15		1460.0							
	OBS	00110	02.27	33.980	27.16		1460.0							
	OBS	00123	02.91	34.060	27.18		1463.0							
	STO	00125	00.13	34.11	27.18		1464.0							
	OBS	00127	00.50	34.150	27.18		1465.7							
	OBS	00140	00.00	34.270	27.21		1469.0							
	STO	00150	04.55	34.35	27.23		1470.8							
	OBS	00150	04.56	34.350	27.25		1470.6							
	OBS	00154	04.60	34.350	27.23		1471.0							
	OBS	00159	04.01	34.440	27.36		1468.8							
	OBS	00161	04.25	34.450	27.37		1470.0							
	OBS	00169	05.62	34.680	27.57		1475.9							
	OBS	00175	06.00	34.710	27.54		1477.6							
	OBS	00194	05.90	34.705	27.35		1477.5							
	OBS	00198	06.24	34.760	27.35		1475.0							
	STO	00200	06.20	34.74	27.35		1478.8							
	OBS	00207	06.03	34.702	27.33		1478.2							
	OBS	00226	05.53	34.707	27.40		1476.5							
	OBS	00241	05.50	34.715	27.41		1476.7							
	STO	00250	05.66	34.82	27.47		1477.6							
	OBS	00251	05.68	34.820	27.47		1477.7							
	OBS	00257	05.57	34.755	27.47		1477.3							
	OBS	00262	05.16	34.720	27.46		1475.6							
	OBS	00276	05.20	34.806	27.52		1476.1							
	OBS	00285	05.45	34.837	27.51		1477.4							
	STO	00300	05.78	34.90	27.52		1475.0							
	OBS	00302	05.82	34.907	27.52		1479.2							
	OBS	00325	05.44	34.910	27.57		1478.0							
	OBS	00337	05.04	34.850	27.57		1476.9							
	OBS	00375	05.00	34.900	27.62		1477.1							
	STO	00400	04.98	34.91	27.63		1477.4							
	OBS	00401	04.98	34.910	27.63		1477.4							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A														
CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	DAYG	P34	TOT P	NO2	NO3	SIO3	PH
08S	00426		04.50	34.900	27.62		1477.7							
08S	00453		05.01	34.907	27.62		1476.4							
08S	00475		04.75	34.920	27.66		1477.9							
STO	00500		04.82	34.91	27.65		1478.4							
08S	00500		04.82	34.910	27.65		1478.4							
08S	00525		04.82	34.922	27.66		1478.8							
08S	00550		04.85	34.910	27.67		1478.5							
08S	00576		04.53	34.900	27.67		1478.4							
STO	00600		04.40	34.90	27.68		1478.6							
08S	00601		04.40	34.900	27.68		1478.6							
08S	00626		04.51	34.910	27.68		1475.2							
08S	00651		04.46	34.905	27.68		1475.4							
08S	00677		04.25	34.900	27.69		1475.4							
STO	00700		04.11	34.90	27.69		1475.6							
08S	00700		04.12	34.900	27.69		1475.6							
08S	00725		04.21	34.910	27.70		1480.0							
08S	00750		04.20	34.920	27.71		1480.5							
08S	00776		04.39	34.920	27.70		1481.2							
STO	00800		04.35	34.92	27.70		1481.0							
08S	00805		04.38	34.920	27.70		1481.6							
08S	00828		04.20	34.925	27.71		1481.7							
08S	00850		04.29	34.928	27.72		1482.0							
08S	00875		04.24	34.920	27.72		1482.2							
STO	00900		04.28	34.93	27.72		1482.8							
08S	00900		04.28	34.930	27.72		1482.8							
08S	00925		04.24	34.930	27.73		1483.1							
08S	00951		04.22	34.930	27.73		1483.4							
08S	00976		04.25	34.920	27.72		1484.0							
STO	01000		04.21	34.92	27.72		1484.2							
08S	01001		04.21	34.920	27.72		1484.2							
08S	01018		04.24	34.920	27.72		1484.6							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

MOO C S T A T I O N D A T A

REF ID: A1 8350 YEAR 1973 BOTDP 01507 AIR TEMP 06.0 DIR HGT PER WIND-DIR 18 INST STO RECORDER TEN SQ 1307  
 CONSIC 0140 MDYTH 05 SHIP EV WET BULB 07.8 WIND-SPD 08 TRACE DIR 0 5 SQUARE 1  
 LAT +2 45 N DAY 25 OATA USE 1 BARDMETR 1016.0 SEA WIND-FDR DURATION 2 SQUARE 20  
 LONW 050 20 W HGUR 04.1 AREA 05 CLOUD T/A CL/TR WEATHER 14 ORIG 01 325 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOP7M	SNO VEL	DRYG	P34	TDT P	NO2	NO3	S103	PM
04.1	STS	00000	06.57	32.82	25.78	00.000	1474.5							
	STS	00003	06.57	32.817	25.78		1474.5							
	STS	00007	06.63	32.653	25.80		1474.9							
	STO	00010	06.22	32.85	25.88	00.022	1472.3							
	STS	00011	05.90	32.907	25.94		1472.1							
	STS	00013	05.37	32.527	26.01		1470.0							
	STS	00015	04.12	32.902	26.13		1464.8							
	STS	00019	03.26	33.187	26.44		1461.6							
	STO	00020	03.21	33.17	26.43	00.040	1461.4							
	STS	00020	03.10	33.170	26.44		1460.9							
	STS	00022	02.65	33.210	26.51		1459.0							
	STS	00024	02.70	33.328	26.60		1455.4							
	STS	00028	01.26	33.258	26.65		1453.1							
	STO	00030	01.35	33.31	26.69	00.055	1453.6							
	STS	00030	01.38	33.320	26.69		1453.7							
	STS	00032	01.48	33.322	26.69		1454.2							
	STS	00036	00.27	33.212	26.77		1448.6							
	STS	00038	- 0.28	33.247	26.73		1448.2							
	STS	00043	- 0.87	33.310	26.80		1443.6							
	STS	00045	- 0.80	33.360	26.84		1444.1							
	STS	00049	- 0.45	33.424	26.88		1445.8							
	STO	00050	- 0.17	33.45	26.85	00.081	1447.2							
	STS	00051	00.48	33.513	26.90		1450.3							
	STS	00055	01.35	33.641	26.95		1454.6							
	STS	00057	01.45	33.650	26.95		1455.0							
	STS	00060	01.15	33.673	26.95		1453.7							
	STS	00064	01.81	33.750	27.01		1456.6							
	STS	00070	00.60	33.720	27.08		1451.4							
	STO	00075	00.82	33.84	27.08	00.108	1457.1							
	STS	00076	02.06	33.860	27.08		1458.2							
	STS	00083	02.55	34.030	27.13		1462.8							
	STS	00085	03.10	34.055	27.14		1463.3							
	STO	00100	03.34	34.11	27.17	00.132	1464.5							
	STS	00100	03.38	34.120	27.17		1464.7							
	STS	00102	03.45	34.140	27.18		1465.1							
	STS	00106	03.83	34.215	27.20		1466.8							
	STS	00110	04.47	34.325	27.22		1469.7							
	STO	00125	04.56	34.33	27.22	00.154	1470.3							
	STS	00125	04.56	34.330	27.22		1470.4							
	STS	00146	04.43	34.355	27.25		1470.2							
	STO	00150	04.51	34.35	27.24	00.176	1470.6							
	STS	00158	04.58	34.353	27.23		1471.0							
	STS	00159	04.51	34.365	27.25		1470.8							
	STS	00165	04.65	34.525	27.33		1472.6							
	STS	00171	04.76	34.500	27.33		1472.2							
	STS	00175	04.52	34.560	27.36		1473.0							
	STS	00190	05.12	34.570	27.34		1474.1							
	STS	00196	05.64	34.700	27.38		1476.5							
	STO	00200	05.67	34.70	27.38	00.216	1476.6							
	STS	00201	05.68	34.695	27.37		1476.7							
	STS	00203	05.53	34.660	27.39		1475.3							
	STS	00211	05.12	34.660	27.41		1474.5							
	STS	00217	05.51	34.712	27.41		1476.3							
	STS	00226	05.25	34.650	27.42		1475.4							
	STS	00232	04.56	34.695	27.46		1474.3							
	STS	00237	05.57	34.830	27.49		1477.0							
	STS	00247	05.40	34.785	27.48		1476.4							
	STO	00250	05.21	34.76	27.50	00.250	1475.7							
	STS	00255	05.05	34.770	27.50		1475.2							
	STS	00257	05.14	34.815	27.53		1475.6							
	STS	00284	05.35	34.835	27.52		1476.7							
	STS	00276	05.23	34.845	27.55		1476.3							
	STO	00300	05.17	34.84	27.55	00.280	1476.4							
	STS	00300	05.17	34.840	27.55		1476.4							
	STS	00325	05.14	34.900	27.60		1476.8							
	STS	00350	05.05	34.900	27.61		1476.9							
	STS	00355	05.03	34.900	27.61		1476.9							
	STS	00363	04.76	34.850	27.61		1475.8							
	STS	00365	04.62	34.835	27.61		1475.3							
	STS	00376	04.16	34.640	27.66		1473.5							
	STO	00400	04.17	34.85	27.67	00.333	1473.9							
	STS	00401	04.17	34.850	27.67		1474.0							
	STS	00426	04.28	34.850	27.66		1474.9							
	STS	00451	04.08	34.855	27.68		1474.4							

TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

M O O C S T A T I O N D A T A														
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
085	00475	04.15	34.900	27.71			1475.2							
ST0	00500	04.17	34.91	27.72		00.378	1475.7							
085	00500	04.17	34.910	27.72			1475.7							
085	00525	04.17	34.920	27.73			1476.1							
085	00552	04.19	34.900	27.71			1476.6							
085	00576	04.14	34.910	27.72			1476.8							
ST0	00600	04.17	34.91	27.72		00.423	1477.3							
085	00601	04.17	34.92 P	27.730										
085	00626	04.28	34.900	27.70 *			1478.2							
085	00651	04.15	34.890	27.70			1478.1							
085	00675	04.13	34.898	27.71			1478.4							
ST0	00700	04.21	34.91	27.71		00.468	1479.2							
085	00700	04.21	34.910	27.71			1479.2							
085	00725	04.13	34.890	27.71			1479.2							
085	00750	04.15	34.900	27.71			1479.7							
085	00776	04.13	34.900	27.71			1480.1							
ST0	00800	04.14	34.91	27.72		00.514	1480.5							
085	00801	04.14	34.910	27.72			1480.6							
085	00826	04.14	34.903	27.72			1481.0							
085	00850	04.06	34.900	27.72			1481.0							
085	00875	04.13	34.910	27.72			1481.8							
ST0	00900	04.06	34.90	27.72		00.561	1481.9							
085	00900	04.06	34.900	27.72			1481.9							
085	00925	04.04	34.900	27.72			1482.2							
085	00951	04.01	34.900	27.73			1482.5							
085	00976	03.57	34.900	27.73			1482.8							
ST0	01000	03.45	34.89	27.73		00.608	1483.1							
085	01001	03.45	34.893	27.73			1483.1							
085	01016	03.42	34.927	27.76			1483.2							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

NOOC STATION DATA

REF ID 51 8355 YEAR 1973 BOTDP 0303 AIR TEMP 11.5 DIR HGT PER WIND-DIR 17 INST STO RECORDER TEN SG 1307  
 CONSEC 0141 MONTH 05 SHIP EV MET BULB 10.5 00 0 X WIND-SPO 08 TRACE DIR 0 5 SQUARE 1  
 LAT 42 53.5N DAY 25 DATA USE 1 BAROMETR 1015.5 SEA WIND-FDR DURATION 2 SQUARE 20  
 LONG 050 19.5W HOUR 06.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 326 1 SQUARE 20

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO Vel	DAYC	P04	TOT P	M02	M03	S103	PH
	STO	00000	07.21	32.54	25.79	00.000	1477.2							
06.7	085	00001	07.21	32.540	25.79		1477.2							
	STO	00010	07.21	32.54	25.79	00.022	1477.3							
	085	00011	07.21	32.546	25.80		1477.4							
	085	00013	01.20	32.549	25.80		1477.4							
	STO	00020	05.67	32.81	25.86	00.044	1471.2							
	085	00020	05.12	32.787	25.53		1468.9							
	085	00022	03.68	33.096	26.33		1463.3							
	085	00024	03.26	33.170	26.43		1461.6							
	STO	00030	02.53	33.18	26.46	00.062	1460.3							
	085	00030	02.50	33.187	26.47		1460.2							
	085	00034	02.67	33.320	26.60		1455.5							
	085	00040	02.66	33.350	26.61		1455.5							
	STO	00050	02.29	33.31	26.62	00.092	1458.1							
	085	00051	02.27	33.310	26.62		1456.0							
	085	00060	02.30	33.483	26.76		1458.5							
	085	00064	02.09	33.550	26.83		1457.7							
	085	00066	01.75	33.540	26.84		1456.3							
	085	00074	02.04	33.650	26.91		1457.8							
	STO	00075	02.22	33.69	26.93	00.125	1458.7							
	085	00078	02.73	33.760	26.94		1461.0							
	085	00079	02.50	33.752	26.92		1461.8							
	085	00067	01.72	33.650	26.93		1456.6							
	085	00091	00.53	33.605	27.02		1453.2							
	085	00097	01.04	33.675	27.00		1453.8							
	STO	00100	01.35	33.77	27.05	00.152	1455.3							
	085	00100	01.42	33.750	27.07		1455.7							
	085	00112	01.46	33.610	27.08		1456.1							
	085	00114	01.68	33.620	27.07		1457.1							
	STO	00125	01.56	33.88	27.13	00.176	1456.8							
	085	00125	01.55	33.600	27.14		1456.6							
	085	00133	02.11	34.010	27.15		1455.6							
	085	00135	03.57	34.223	27.19		1466.0							
	085	00146	04.21	34.210	27.16	*	1469.1							
	STO	00150	03.98	34.23	27.18	00.199	1468.2							
	085	00150	03.97	34.202	27.18		1468.1							
	085	00156	04.06	34.210	27.17		1468.7							
	085	00158	04.62	34.350	27.25		1470.3							
	085	00163	04.80	34.360	27.21	*	1472.0							
	085	00167	04.45	34.320	27.22		1470.7							
	085	00171	04.40	34.340	27.24		1470.5							
	085	00178	02.99	34.120	27.21	*	1464.3							
	085	00158	02.81	34.210	27.25		1464.0							
	STO	00200	03.15	34.25	27.30	00.242	1465.5							
	085	00201	03.27	34.270	27.30		1466.1							
	085	00205	02.95	34.230	27.30		1464.7							
	085	00207	03.42	34.352	27.35		1466.9							
	085	00213	03.80	34.433	27.38		1468.8							
	085	00217	04.17	34.500	27.39		1470.5							
	085	00224	04.75	34.620	27.42		1473.2							
	085	00226	04.79	34.625	27.42		1473.4							
	085	00234	04.58	34.670	27.48		1472.7							
	STO	00250	04.76	34.71	27.49	00.276	1473.7							
	085	00251	04.76	34.710	27.49		1473.6							
	085	00276	04.58	34.655	27.50		1473.4							
	STO	00300	04.73	34.84	27.60	00.307	1474.6							
	085	00303	04.73	34.840	27.60		1474.6							
	085	00325	04.83	34.840	27.59		1475.5							
	085	00352	04.53	34.830	27.62		1474.6							
	085	00361	04.55	34.850	27.63		1474.9							
	085	00365	04.27	34.810	27.63		1473.8							
	085	00375	04.19	34.830	27.65		1473.6							
	STO	00400	04.21	34.85	27.65	00.358	1474.1							
	085	00401	04.21	34.850	27.65		1474.1							
	085	00426	04.15	34.840	27.66		1474.3							
	085	00451	04.13	34.850	27.67		1474.6							
	085	00477	04.13	34.904	27.72		1475.1							
	STO	00500	04.19	34.93	27.73	00.404	1475.8							
	085	00500	04.19	34.928	27.73		1475.8							
	085	00527	04.15	34.900	27.71		1476.0							
	085	00550	04.12	34.910	27.72		1476.3							
	085	00576	04.11	34.920	27.73		1476.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 8355 YEAR 1973 BOTOP DJ168 AIR TEMP 11.3 OIR MGT PER WIND-OIR 18 INST STO RECORDER TEN SG 1307  
CONSEC 0142 MONTH 05 SHIP EV WET BULB 10.5 18 1 2 WIND-SPO 06 TRACE DIR 0 5 SQUARE 1  
LAT 42 55 N DAY 25 DATA USE 1 BAROMETR 1015.3 SEA CL/7R WIND-FDR DURATION 2 SQUARE 20  
LONG 050 20.5W HOUR 07.7 AREA 05 CLOUD T/A WEATHER 16 ORIG 011 327 1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOP TH	SNJ VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
07.7	STO	00000	07.10	32.77	25.68	00.000	1476.5							
	085	00001	07.10	32.773	25.68		1476.6							
	085	00005	06.87	32.770	25.70		1475.8							
	STO	00010	06.68	32.73	25.70	00.023	1475.0							
	085	00015	05.26	32.625	25.79		1469.1							
	085	00017	03.51	32.810	26.13		1461.2							
	STO	00020	02.18	32.86	26.27	00.045	1456.4							
	085	00020	01.83	32.880	26.31		1455.0							
	085	00024	00.41	33.015	26.51		1448.8							
	085	00026	00.00	32.987	26.50		1447.2							
	085	00028	- 0.54	33.050	26.61		1444.6							
	STO	00030	- 0.64	33.11	26.63	00.059	1444.2							
	085	00030	- 0.68	33.120	26.64		1444.0							
	STO	00050	- 1.27	33.15	26.71	00.087	1441.7							
	085	00051	- 1.30	33.192	26.72		1441.6							
	STO	00075	- 1.45	33.28	26.80	00.119	1441.4							
	085	00076	- 1.45	33.327	26.83		1441.5							
	085	00078	- 1.45	33.416	26.90		1441.6							
	085	00083	- 1.05	33.510	26.97		1443.7							
	085	00085	- 0.55	33.561	26.99		1446.2							
	085	00085	00.38	33.625	27.00		1450.6							
	085	00057	00.75	33.660	27.01		1452.4							
	STO	00100	00.56	33.63	26.99	00.148	1451.6							
	085	00100	00.51	33.622	26.99		1451.4							
	085	00102	00.41	33.655	27.02		1451.0							
	085	00104	00.85	33.682	27.02		1453.1							
	085	00106	00.89	33.680	27.01		1453.3							
	085	00116	02.45	33.955	27.12		1460.7							
	085	00115	02.65	33.955	27.10		1461.6							
	STO	00125	03.08	34.01	27.11	00.174	1463.6							
	085	00125	03.12	34.010	27.11		1463.8							
	STO	00150	03.27	34.02	27.10	00.198	1464.9							
	085	00150	03.27	34.017	27.10		1464.9							
	085	00173	03.09	34.027	27.12		1464.5							
	085	00175	02.70	33.970	27.11		1462.8							
	085	00177	02.44	33.987	27.15		1461.7							

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REFID 31 8355 YEAR 1973 BOTOP 00J88 AIR TEMP 11.3 OIR MGT PER WIND-OIR 16 INST STO RECORDER TEN SG 1307  
CONSEC 0143 MONTH 05 SHIP EV WET BULB 10.5 18 1 2 WIND-SPO 06 TRACE DIR 0 5 SQUARE 1  
LAT 43 00 N DAY 25 DATA USE 1 BAROMETR 1015.3 SEA CL/7R WIND-FDR DURATION 2 SQUARE 20  
LONG 050 20.5W HOUR 08.6 AREA 05 CLOUD T/A WEATHER 16 ORIG 011 328 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOP TH	SNJ VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
08.6	STO	00000	05.92	32.85	25.87	00.000	1471.9							
	085	00001	05.52	32.829	25.87		1471.9							
	085	00003	05.75	32.860	25.92		1471.3							
	085	00005	05.01	32.890	26.03		1468.3							
	085	00007	05.16	33.030	26.12		1469.2							
	085	00009	04.23	32.927	26.14		1465.2							
	STO	00010	04.08	32.91	26.14	00.020	1464.0							
	085	00011	02.73	32.888	26.16		1463.1							
	085	00017	03.15	32.975	26.28		1463.8							
	085	00019	01.54	32.837	26.27		1459.3							
	STO	00020	01.57	32.91	26.35	00.038	1453.6							
	085	00020	01.26	32.964	26.41		1452.5							
	STO	00030	- 0.33	33.09	26.55	00.054	1447.0							
	085	00030	- 0.09	33.100	26.60		1446.7							
	085	00038	- 0.78	33.200	26.71		1443.8							
	085	00040	- 0.80	33.190	26.70		1443.7							
	STO	00050	- 1.22	33.28	26.79	00.084	1442.1							
	085	00051	- 1.26	33.290	26.80		1441.9							
	STO	00075	- 1.23	33.29	26.79	00.112	1442.5							
	085	00076	- 1.22	33.287	26.79		1442.5							
	085	00079	- 1.20	33.290	26.80		1442.7							

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TABLE II. Observed oceanographic data occupied by USCGC EVERGREEN,  
8-28 May 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8355	YEAR 1973	BOATP 00075	AIR TEMP 07.8	DIR MGT PER	WIND-DIR 10	INST STD RECORDER	TEN SW 1307
CONSEC 0144	MONTH 05	SHIP EV	WET BULB 07.5	10 0 2	WIND-SPD 06	TRACE CIR 0	5 SQUARE 1
LAT 43 05 N	DAY 25	DATA USE 1	BAROMETR 1014.5	SEA	WIND-FDR	DURATION	2 SQUARE 20
LONG 050 21.5W	HOOR 05.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 929	1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNJ VEL	DAYG	PD4	TOT P	NO2	NO3	SI03	PH
	STD	00000	09.51	32.98	25.57	00.000	1469.6							
09.5	08S	00001	09.51	32.980	25.57		1469.7							
	08S	00003	09.35	32.953	25.64		1469.1							
	08S	00007	04.35	32.827	25.89		1465.3							
	08S	00009	04.01	32.790	26.05		1469.1							
	STD	00010	03.56	32.75	26.06	00.022	1469.0							
	06S	00011	03.62	32.611	26.06		1463.8							
	06S	00013	03.50	32.845	26.11		1463.6							
	06S	00017	03.31	32.833	26.15		1461.3							
	STD	00020	03.38	32.84	26.15	00.041	1461.6							
	08S	00020	03.39	32.840	26.15		1461.7							
	STD	00030	03.11	32.85	26.18	00.060	1460.6							
	06S	00030	03.04	32.850	26.19		1460.4							
	06S	00032	02.74	32.844	26.21		1459.1							
	08S	00034	02.03	32.876	26.29		1456.0							
	08S	00036	01.34	32.948	26.40		1455.1							
	08S	00040	00.73	32.950	26.47		1450.5							
	08S	00045	- 0.06	33.106	26.60		1447.1							
	STD	00050	- 0.48	33.16	26.67	00.092	1445.4							
	06S	00051	- 0.38	33.178	26.68		1444.9							
	08S	00064	- 0.69	33.287	26.78		1444.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 6355 YEAR 1973 BOTOP 00302 AIR TEMP 08.8 OIR HGT PER WIND-OIR 07 INST STO RECORDER TEN SG 1306  
 CONSEC 0146 MONTH 06 SHIP EV WET GULB 07.0 22 3 4 WIND-SPD 13 TRACE OIR 0 S SQUARE 2  
 LAT 43 49.5N DAY 17 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 048 52 W HOUR 20.1 AREA 05 CLOUD T/A CL/T/A WEATHER X2 ORIG 011 333 1 SQUARE 36

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	DAYC	PJ4	TOT P	NO2	NO3	SI03	PH
20.1	ST0	00000	05.29	32.73	25.86	00.000	1469.2							
	08S	00001	05.29	32.726	25.86		1469.2							
	08S	00003	05.22	32.727	25.87		1469.0							
	08S	00005	04.65	32.703	25.92		1466.6							
	ST0	00010	04.58	32.72	25.94	00.021	1466.4							
	08S	00011	04.56	32.730	25.95		1466.3							
	ST0	00020	04.50	32.75	25.97	00.042	1466.2							
	08S	00020	04.49	32.750	25.97		1466.2							
	08S	00028	04.64	33.150	26.27		1467.5							
	ST0	00030	04.53	33.14	26.28	00.061	1467.1							
	08S	00030	04.52	33.137	26.27		1467.0							
	08S	00032	04.62	33.185	26.30		1467.5							
	08S	00036	04.50	33.154	26.34		1466.3							
	08S	00040	01.80	33.015	26.42		1455.3							
	08S	00041	03.98	33.053	26.51		1451.7							
	08S	00043	00.55	33.070	26.54		1450.0							
	08S	00045	00.56	33.320	26.74		1450.3							
	08S	00047	01.79	33.425	26.75		1456.0							
	08S	00049	01.93	33.450	26.76		1456.6							
	ST0	00050	01.82	33.43	26.75	00.091	1456.2							
	08S	00057	00.75	33.340	26.75		1451.3							
	08S	00060	00.52	33.390	26.80		1450.4							
	08S	00064	00.46	33.460	26.86		1450.3							
	ST0	00075	00.67	33.51	26.89	00.122	1451.5							
	08S	00076	00.69	33.517	26.89		1451.4							
	08S	00085	00.77	33.515	26.89		1452.1							
	08S	00091	01.22	33.644	26.97		1454.4							
	08S	00092	01.29	33.650	26.96		1454.8							
	ST0	00100	02.10	33.76	26.99	00.150	1456.6							
	08S	00104	02.01	33.790	27.00		1455.7							
	08S	00108	02.24	33.785	27.00		1455.7							
	08S	00114	01.11	33.775	27.08		1454.5							
	08S	00118	00.69	33.777	27.05		1453.6							
	ST0	00125	01.64	33.85	27.10	00.176	1457.2							
	08S	00127	01.51	33.860	27.09		1458.4							
	08S	00129	01.72	33.863	27.10		1457.6							
	08S	00133	00.84	33.845	27.15		1453.7							
	08S	00137	00.73	33.840	27.15		1455.3							
	08S	00135	01.19	33.930	27.20		1455.5							
	08S	00146	02.45	34.105	27.24		1461.6							
	ST0	00150	02.52	34.10	27.24	00.195	1461.8							
	08S	00150	02.52	34.105	27.24		1461.8							
	08S	00156	02.56	34.125	27.25		1462.2							
	08S	00161	03.35	34.210	27.24		1465.7							
	08S	00163	03.04	34.182	27.25		1464.4							
	08S	00175	02.88	34.190	27.27		1463.5							
	08S	00177	02.88	34.192	27.27		1463.5							
	08S	00178	03.21	34.307	27.33		1465.5							
	08S	00180	03.26	34.350	27.36		1465.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N O A T A

REFID 31 8005	YEAR 1973	CCTOP 01424	AIR TEMP 08.5	OIR HGT PER	WIND-DIR 16	INST STO RECORDER	TEM SG 1306
CONSEC 0145	MCNTM 36	SHIP EV	WET BULB 08.2	23 2 3	WIND-SPO 18	TRACE OIR 0	5 SQUARE 2
LAT 43 47 N	DAY 17	DATA USE 1	BAROMETR 1021.1	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 048 45.50	HOOR 21.3	AREA 05	CLOUD T/A	CL/7R	WEATHER 42	ORIG 011 334	1 SQUARE 38

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SNO VEL	ORYG	PJA	TOT P	MO2	MO3	SIO3	PM
21.0	STO	00000	08.70	33.50	25.85	00.000	1485.7							
	085	00004	08.70	33.304	25.85		1485.7							
	085	00005	08.70	33.303	25.85		1483.7							
	085	00007	08.34	33.205	25.84		1482.0							
	STO	00010	08.06	33.25	25.91	00.021	1481.0							
	085	00013	07.70	33.277	25.98		1480.1							
	STO	00020	07.59	33.27	25.99	00.042	1479.4							
	085	00020	07.56	33.225	25.97		1475.3							
	085	00024	05.33	32.552	26.04		1470.0							
	085	00026	03.63	33.217	26.41		1464.2							
	STO	00030	02.47	33.09	26.43	00.060	1458.2							
	085	00030	02.21	33.082	26.44		1457.5							
	085	00036	01.35	32.150	26.64		1453.6							
	085	00041	02.46	33.527	26.78		1455.0							
	085	00045	01.41	33.416	26.78		1453.3							
	085	00045	- 0.26	33.306	26.81		1446.6							
	STO	00050	- 0.32	33.30	26.83	00.088	1446.4							
	085	00051	- 0.47	33.430	26.88		1445.8							
	085	00057	- 0.95	33.462	26.93		1443.5							
	085	00060	- 1.05	33.480	26.94		1443.3							
	085	00070	- 0.81	33.560	27.00		1444.7							
	STO	00075	- 0.42	33.61	27.03	00.117	1446.7							
	085	00076	- 0.35	33.620	27.03		1447.0							
	085	00075	- 0.17	33.658	27.04		1447.5							
	085	00087	02.58	33.858	27.06		1460.7							
	085	00091	02.60	33.930	27.06		1460.5							
	085	00095	32.41	33.983	27.10		1462.4							
	085	00097	32.56	33.980	27.10		1462.6							
	STO	00100	03.38	34.07	27.13	00.142	1464.6							
	085	00102	03.72	34.140	27.15		1466.2							
	085	00110	04.29	34.207	27.15		1466.8							
	085	00118	04.55	34.150	27.11		1470.0							
	STO	00125	04.45	34.21	27.13	00.165	1469.9							
	085	00127	04.45	34.214	27.14		1469.8							
	STO	00150	03.76	34.20	27.20	00.185	1467.2							
	085	00150	03.75	34.232	27.20		1467.2							
	085	00165	03.57	34.157	27.21		1466.6							
	085	00167	02.55	34.337	27.29		1468.5							
	085	00171	04.05	34.340	27.28		1469.0							
	085	00175	04.67	34.423	27.28		1471.8							
	085	00176	04.87	34.483	27.30		1472.7							
	085	00184	05.46	34.553	27.25		1475.3							
	STO	00200	05.48	34.55	27.27	00.232	1475.6							
	085	00201	05.48	34.530	27.27		1475.7							
	085	00226	04.85	34.550	27.36		1473.5							
	085	00241	04.12	34.450	27.39		1470.7							
	085	00245	03.84	34.463	27.40		1469.5							
	STO	00250	03.85	34.48	27.40	00.270	1465.8							
	085	00253	03.92	34.487	27.41		1470.0							
	085	00276	03.94	34.550	27.46		1470.5							
	STO	00300	03.96	34.64	27.52	00.305	1471.1							
	085	00300	03.96	34.640	27.53		1471.2							
	085	00321	03.98	34.650	27.56		1471.7							
	085	00335	03.94	34.697	27.57		1471.7							
	085	00342	04.30	34.737	27.57		1473.4							
	085	00350	04.41	34.782	27.55		1474.0							
	085	00367	04.27	34.755	27.61		1474.2							
	085	00376	04.07	34.782	27.63		1473.1							
	085	00376	04.10	34.780	27.62		1473.2							
	085	00392	02.51	34.750	27.62		1472.6							
	STO	00400	02.56	34.78	27.64	00.358	1473.0							
	085	00401	03.57	34.790	27.64		1473.1							
	085	00453	03.57	34.820	27.67		1474.0							
	STO	00500	04.13	34.50	27.71	00.405	1475.5							
	085	00500	04.13	34.900	27.71		1475.5							
	085	00550	04.13	34.882	27.70		1476.3							
	STO	00600	04.11	34.89	27.71	00.450	1477.1							
	085	00601	04.11	34.890	27.71		1477.1							
	085	00651	04.02	34.800	27.71		1477.5							
	STO	00700	03.57	34.88	27.72	00.495	1478.1							
	085	00700	03.57	34.880	27.72		1478.1							
	085	00750	03.98	34.883	27.72		1479.0							
	STO	00800	03.96	34.85	27.72	00.541	1475.8							
	085	00801	03.96	34.887	27.72		1479.8							
	085	00850	03.52	34.890	27.75		1480.4							
	STO	00900	03.52	34.88	27.72	00.587	1481.2							
	085	00900	03.52	34.883	27.72		1481.3							
	085	00951	03.87	34.880	27.73		1481.9							
	STO	01000	03.86	34.87	27.72	00.634	1482.7							
	085	01010	03.86	34.873	27.72		1482.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8555 YEAR 1973 BOTOP 02661 ATR TEMP 11.0 OIA HGT PER WIND-OIR 17 INST STO RECORDER TEM SO 1536  
 CONSEC 0150 MONTH 06 SHIP EV MET 6ULB 06.0 WIND-SPO 20 TRACE DIA 0 5 SQUARE 2  
 LAT 43 50 N DAY 17 DATA USE 1 BAROMETR 1018.8 SEA ORG 011 335 2 SQUARE 28  
 LONG 048 39 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER A2

CASSTN/JM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	STO	00000	06.35	33.01	25.96	00.000	1474.0							
	OBS	00011	06.39	33.110	25.96		1474.0							
	STO	00010	05.95	33.32	26.01	00.020	1472.6							
	OBS	00010	05.63	33.020	26.01		1472.6							
	STO	00020	04.99	33.32	26.13	00.040	1468.7							
	OBS	00020	04.99	33.320	26.13		1468.7							
	STO	00030	- 0.21	33.37	26.58	00.057	1466.1							
	OBS	00030	- 0.21	33.370	26.58		1466.1							
	STO	00050	- 1.51	33.25	26.77	00.084	1440.7							
	OBS	00050	- 1.51	33.250	26.77		1440.7							
	STO	00075	- 0.01	33.39	26.83	00.115	1448.2							
	OBS	00075	- 0.01	33.390	26.83		1448.2							
	STO	00100	02.29	33.82	27.03	00.144	1459.6							
	OBS	00100	02.29	33.820	27.03		1459.6							
	STO	00125	03.55	33.95	27.05	00.170	1465.8							
	OBS	00125	03.55	33.950	27.05		1465.8							
	STO	00150	04.14	34.16	27.15	00.195	1468.8							
	OBS	00150	04.14	34.160	27.15		1468.8							
	STO	00200	06.01	34.64	27.29	00.239	1477.9							
	OBS	00200	06.01	34.640	27.29		1477.9							
	STO	00210	04.70	34.450	27.30		1472.5							
	OBS	00210	04.70	34.450	27.30		1472.5							
	STO	00225	04.55	34.560	27.35		1473.9							
	OBS	00225	04.55	34.560	27.35	00.278	1470.9							
	STO	00250	04.16	34.48	27.38		1470.9							
	OBS	00250	04.16	34.480	27.38		1470.9							
	STO	00270	05.01	34.630	27.40		1475.0							
	OBS	00270	05.01	34.630	27.40		1475.0							
	STO	00285	03.44	34.440	27.42		1468.4							
	OBS	00285	03.44	34.440	27.42	00.313	1471.7							
	STO	00300	04.10	34.55	27.47		1471.7							
	OBS	00300	04.10	34.550	27.47		1471.7							
	STO	00320	05.47	34.510	27.47		1465.2							
	OBS	00320	05.47	34.510	27.47		1465.2							
	STO	00333	03.82	34.640	27.54		1471.1							
	OBS	00333	03.82	34.640	27.54		1471.1							
	STO	00360	03.46	34.610	27.55		1470.0							
	OBS	00360	03.46	34.610	27.55		1470.0							
	STO	00400	04.04	34.77	27.62	00.371	1473.3							
	OBS	00400	04.04	34.770	27.62		1473.3							
	STO	00470	04.25	34.840	27.65		1475.4							
	OBS	00470	04.25	34.840	27.65	00.422	1475.3							
	STO	00500	04.10	34.810	27.65		1475.3							
	OBS	00500	04.10	34.810	27.65	00.472	1476.8							
	STO	00600	04.06	34.840	27.67		1476.8							
	OBS	00600	04.06	34.840	27.67	00.520	1478.5							
	STO	00700	04.06	34.860	27.69		1478.5							
	OBS	00700	04.06	34.860	27.69	00.568	1479.9							
	STO	00800	03.55	34.87	27.71		1479.9							
	OBS	00800	03.55	34.870	27.71	00.615	1481.2							
	STO	00900	03.51	34.87	27.71		1481.2							
	OBS	00900	03.51	34.870	27.71	00.663	1482.7							
	STO	01000	03.67	34.87	27.72		1482.7							
	OBS	01000	03.67	34.870	27.72	00.712	1484.1							
	STO	01100	03.31	34.850	27.71		1484.1							
	OBS	01100	03.31	34.850	27.71	00.761	1485.5							
	STO	01200	03.76	34.850	27.71		1485.5							
	OBS	01200	03.76	34.850	27.71	00.811	1487.5							
	STO	01300	03.81	34.87	27.72		1487.5							
	OBS	01300	03.81	34.870	27.72		1487.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8-55 YEAR 1973 BOTOP 02990 AIR TEMP 10.5 DIR MGT PER WIND-DIR 12 INST STD RECORDER TEM SQ 1306  
 CONSEC 0154 MONTH 06 SHIP EV WET 6ULB 06.5 12 1 2 WIND-SPO 22 TRACE DIR 0 5 SQUARE 2  
 LAT 43 52.5N DAY 16 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 048 24 W HOUR 02.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 336 1 SQUARE 36

CASHTUN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	P4
	STO	00000	09.11	33.66	26.08	00.000	1485.4							
02.3	0BS	00003	09.11	33.664	26.08		1465.5							
	STO	00010	09.11	33.66	26.08	00.019	1485.5							
	0BS	00011	09.10	33.667	26.08		1485.5							
	STO	00020	09.01	33.70	26.12	00.039	1485.4							
	0BS	00020	08.98	33.710	26.13		1485.3							
	0BS	00022	08.91	33.747	26.17		1485.1							
	0BS	00026	07.51	33.645	26.30		1475.7							
	0BS	00028	05.85	33.513	26.41		1473.1							
	STO	00030	05.38	33.62	26.56	00.056	1471.2							
	0BS	00030	05.28	33.640	26.59		1470.9							
	0BS	00032	05.30	33.670	26.61		1471.0							
	0BS	00034	04.74	33.693	26.69		1468.8							
	0BS	00036	03.63	33.745	26.85		1464.2							
	0BS	00041	05.94	34.200	26.95		1474.5							
	STO	00050	05.92	34.20	26.95	00.082	1474.5							
	0BS	00051	05.91	34.202	26.96		1474.5							
	0BS	00057	05.88	34.253	27.00		1474.5							
	0BS	00066	05.99	34.310	27.03		1475.2							
	STO	00075	05.33	34.23	27.05	00.109	1472.6							
	0BS	00081	05.08	34.200	27.05		1471.6							
	0BS	00093	05.25	34.203	27.04		1472.3							
	STO	00100	05.17	34.18	27.03	00.135	1472.3							
	0BS	00104	04.98	34.164	27.04		1471.5							
	0BS	00112	04.44	34.140	27.08		1471.5							
	0BS	00119	04.11	34.140	27.08		1469.4							
	0BS	00121	04.59	34.184	27.10		1469.4							
	STO	00125	05.27	34.25	27.10	00.160	1473.2							
	0BS	00127	05.20	34.344	27.11		1474.7							
	0BS	00135	05.59	34.335	27.10		1474.6							
	0BS	00139	05.79	34.370	27.10		1475.7							
	STO	00150	05.45	34.41	27.15	00.184	1476.1							
	0BS	00150	05.83	34.407	27.13		1476.1							
	0BS	00158	04.12	34.330	27.15		1473.2							
	0BS	00175	05.16	34.340	27.16		1473.7							
	STO	00200	05.25	34.43	27.22	00.231	1474.5							
	0BS	00209	05.26	34.470	27.25		1474.8							
	0BS	00213	04.90	34.450	27.27		1473.4							
	0BS	00226	04.98	34.550	27.34		1474.1							
	0BS	00230	05.06	34.545	27.33		1474.4							
	0BS	00237	04.72	34.515	27.34		1473.1							
	0BS	00239	04.76	34.510	27.34		1475.3							
	STO	00250	04.84	34.57	27.38	00.271	1473.9							
	0BS	00253	04.86	34.600	27.40		1474.1							
	0BS	00258	05.21	34.650	27.39		1475.7							
	0BS	00276	05.02	34.660	27.43		1475.2							
	0BS	00287	05.17	34.717	27.45		1476.1							
	0BS	00295	05.62	34.807	27.47		1478.1							
	STO	00300	05.71	34.82	27.47	00.306	1476.6							
	0BS	00300	05.72	34.820	27.47		1478.7							
	0BS	00312	05.51	34.790	27.47		1478.0							
	0BS	00317	05.71	34.825	27.47		1478.9							
	0BS	00325	05.59	34.820	27.49		1478.4							
	0BS	00333	05.21	34.787	27.50		1477.1							
	0BS	00350	05.02	34.755	27.53		1476.6							
	0BS	00352	05.06	34.810	27.54		1476.8							
	0BS	00386	05.55	34.853	27.55		1479.5							
	0BS	00392	05.30	34.880	27.57		1478.5							
	STO	00400	05.18	34.86	27.58	00.368	1478.2							
	0BS	00401	05.16	34.880	27.58		1476.1							
	0BS	00411	05.03	34.857	27.56		1477.7							
	0BS	00424	04.67	34.820	27.59		1476.4							
	0BS	00451	04.60	34.822	27.60		1476.6							
	STO	00500	04.56	34.87	27.65	00.422	1477.3							
	0BS	00506	04.55	34.880	27.65		1477.4							
	0BS	00550	04.85	34.900	27.63		1475.5							
	STO	00600	04.72	34.90	27.65	00.475	1479.6							
	0BS	00605	04.71	34.900	27.65		1479.7							
	0BS	00652	04.62	34.910	27.67		1480.1							
	STO	00700	04.55	34.90	27.67	00.524	1480.6							
	0BS	00704	04.53	34.900	27.67		1480.6							
	0BS	00750	04.21	34.900	27.71		1480.0							
	STO	00800	04.12	34.90	27.72	00.575	1480.5							
	0BS	00803	04.12	34.900	27.72		1480.5							
	0BS	00850	04.10	34.900	27.72		1481.2							
	STO	00900	04.06	34.90	27.72	00.620	1481.9							
	0BS	00900	04.06	34.900	27.72		1481.9							
	0BS	00951	04.05	34.900	27.72		1482.7							
	STO	01000	04.03	34.90	27.75	00.667	1483.4							
	0BS	01051	04.01	34.900	27.73		1483.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 03102 AIR TEMP 12.0 OIR HGT PER WIND-OIR 16 INST STD RECORDER TEN SW 150c  
 CONSEC 0452 MONTH 06 SHIP EV WET 8UL8 11.0 16 1 2 WIND-SPO 24 TRACE OIR 0 5 SQUARE 2  
 LAT 45 44.5N DAY 18 DATA USE 1 BAROMETER 1011.5 SEA WIND-FDR DURATION 2 SQUARE 28  
 LONG 048 13 W MOJR 04.5 AREA 05 CLOUD T/A CL/TR WEATHER AC WIND-ORIG 11 337 1 SQUARE 36

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DTMPTM	SNQ VEL	DTYG	P04	TOT P Z	NO2	NO3	S103	PH
04.5	STS	00000	10.10	34.11	26.26	00.000	1489.6							
	0BS	00001	10.10	34.110	26.26		1489.6							
	STS	00010	10.12	34.13	26.27	00.018	1489.9							
	0BS	00011	10.12	34.130	26.27		1489.9							
	STS	00020	10.12	34.13	26.27	00.035	1492.0							
	0BS	00020	10.12	34.125	26.27		1450.0							
	STS	00050	09.50	34.11	26.30	00.053	1489.4							
	0BS	00050	09.50	34.102	26.31		1488.8							
	0BS	00032	09.07	34.047	26.38		1480.3							
	0BS	00034	08.45	34.110	26.50		1484.8							
	0BS	00043	08.37	34.103	26.53		1463.9							
	STS	00050	09.49	34.05	26.43	00.083	1474.2							
	0BS	00053	04.89	33.975	26.40		1470.1							
	0BS	00057	04.01	33.660	26.52		1466.3							
	0BS	00062	04.68	34.125	27.02		1470.4							
	0BS	00074	04.44	34.120	27.06		1468.7							
	STS	00075	04.01	34.14	27.06	00.111	1469.5							
	0BS	00078	04.55	34.180	27.05		1471.0							
	0BS	00079	04.53	34.160	27.04		1470.9							
	0BS	00051	04.00	34.120	27.05		1469.7							
	0BS	00095	04.54	34.120	27.06		1469.6							
	STS	00100	04.00	34.15	27.06	00.136	1470.1							
	0BS	00102	04.51	34.155	27.07		1471.3							
	0BS	00104	05.01	34.205	27.07		1471.7							
	0BS	00116	04.49	34.200	27.12		1469.7							
	0BS	00118	04.72	34.240	27.13		1470.8							
	STS	00125	04.35	34.21	27.14	00.161	1469.3							
	0BS	00127	04.22	34.200	27.15		1468.8							
	0BS	00137	05.55	34.430	27.18		1474.8							
	0BS	00144	05.81	34.468	27.18		1476.0							
	STS	00150	05.63	34.47	27.20	00.184	1475.4							
	0BS	00165	05.59	34.473	27.21		1475.4							
	0BS	00178	06.12	34.550	27.20		1477.9							
	0BS	00190	05.69	34.540	27.21		1477.6							
	0BS	00198	05.41	34.473	27.23		1475.2							
	STS	00200	05.41	34.48	27.23	00.228	1475.3							
	0BS	00201	05.41	34.480	27.24		1475.3							
	0BS	00203	05.41	34.457	27.25		1475.4							
	0BS	00213	05.66	34.550	27.26		1478.6							
	0BS	00215	05.65	34.555	27.26		1478.8							
	0BS	00228	05.37	34.540	27.29		1475.7							
	0BS	00237	05.35	34.550	27.30		1475.7							
	0BS	00245	05.75	34.660	27.34		1477.7							
	STS	00250	05.64	34.66	27.35	00.265	1477.3							
	0BS	00251	05.57	34.650	27.35		1477.0							
	0BS	00258	04.75	34.530	27.35		1473.6							
	0BS	00276	04.73	34.550	27.37		1473.8							
	0BS	00277	04.78	34.560	27.37		1474.1							
	STS	00300	05.18	34.67	27.41	00.306	1476.2							
	0BS	00300	05.18	34.670	27.42		1476.2							
	0BS	00319	04.66	34.490	27.46		1475.7							
	0BS	00325	05.30	34.750	27.49		1477.3							
	0BS	00329	05.42	34.860	27.49		1480.0							
	0BS	00350	05.96	34.890	27.49		1480.5							
	STS	00400	05.43	34.88	27.55	00.371	1479.2							
	0BS	00431	05.42	34.860	27.55		1479.2							
	0BS	00453	05.20	34.855	27.56		1479.1							
	STS	00500	05.08	34.90	27.60	00.425	1479.4							
	0BS	00506	05.06	34.900	27.61		1479.5							
	0BS	00550	05.17	34.930	27.62		1480.7							
	STS	00600	04.74	34.90	27.65	00.483	1479.7							
	0BS	00601	04.73	34.857	27.65		1479.7							
	0BS	00672	04.62	34.910	27.67		1480.4							
	STS	00700	04.53	34.91	27.68	00.534	1480.5							
	0BS	00700	04.53	34.910	27.66		1480.5							
	0BS	00750	04.51	34.910	27.68		1481.3							
	STS	00800	04.49	34.91	27.66	00.584	1482.0							
	0BS	00801	04.45	34.910	27.68		1482.0							
	0BS	00852	04.40	34.900	27.69		1482.5							
	STS	00900	04.30	34.90	27.70	00.634	1482.9							
	0BS	00903	04.30	34.900	27.70		1482.9							
	0BS	00953	04.23	34.898	27.70		1483.5							
	STS	01000	04.19	34.90	27.71	00.684	1484.1							
	0BS	01001	04.19	34.900	27.71		1484.1							
	STS	01100	04.01	34.91	27.73	00.733	1485.0							
	0BS	01102	04.01	34.910	27.74		1485.0							
	STS	01200	03.85	34.90	27.74	00.781	1486.2							
	0BS	01201	03.85	34.900	27.74		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REF ID 31 8355 YEAR 1973 BOTOP 05085 AIR TEMP 12.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN 50 1306  
 COINSEC 0155 MCNTH 06 SHIP EV WET BULB 12.3 06 3 2 WIND-SPD 31 TRACE DIR 0 5 SQUARE 2  
 LAT 43 49 N JAY 18 DATA USE 1 BAROMETR 1017.8 SEA CL/TR WIND-FJR DURATION 2 SQUARE 28  
 LONG 048 06.5W HOUR 06.6 AREA 05 DRIG 011 338 WEATHER A6 1 SQUARE 56

CASSTNUM/IME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNPPTH	SNQ VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.13	34.31	26.18	00.000	1485.6							
06.6	OBS	00001	10.13	34.310	26.18		1485.6							
	STD	00010	10.12	34.31	26.18	00.018	1485.7							
	OBS	00011	10.12	34.310	26.18		1485.7							
	STD	00020	10.11	34.31	26.18	00.037	1489.9							
	OBS	00020	10.05	34.005	26.18		1485.8							
	OBS	00026	05.65	33.545	26.20		1488.4							
	STD	00030	05.23	34.34	26.35	00.050	1486.8							
	OBS	00040	05.00	34.086	26.41		1486.3							
	OBS	00032	06.59	34.360	26.70		1484.9							
	OBS	00034	08.76	34.577	26.85		1485.8							
	OBS	00038	05.54	34.405	26.91		1453.7							
	STD	00050	05.58	34.65	26.91	00.080	1469.5							
	OBS	00051	05.53	34.630	26.52		1485.3							
	OBS	00057	05.20	34.825	26.55		1488.5							
	OBS	00062	09.52	34.858	26.97		1489.5							
	STD	00075	08.35	34.66	26.57	00.112	1485.0							
	OBS	00079	07.61	34.520	26.58		1482.1							
	OBS	00065	06.51	34.390	26.57		1475.3							
	OBS	00053	06.26	34.355	27.03		1476.9							
	STD	00100	05.57	34.34	27.06	00.138	1475.7							
	OBS	00100	05.54	34.340	27.06		1475.6							
	STD	00125	05.68	34.33	27.08	00.164	1475.0							
	OBS	00125	05.68	34.330	27.08		1475.0							
	STD	00150	05.65	34.45	27.18	00.188	1475.5							
	OBS	00150	05.65	34.450	27.18		1475.6							
	OBS	00165	06.05	34.550	27.21		1477.5							
	OBS	00173	05.84	34.520	27.22		1476.6							
	OBS	00175	05.55	34.557	27.23		1477.2							
	STD	00200	05.85	34.54	27.22	00.230	1477.3							
	OBS	00201	05.89	34.540	27.22		1477.3							
	OBS	00205	05.91	34.540	27.22		1477.5							
	OBS	00207	05.51	34.530	27.26		1475.5							
	OBS	00222	05.71	34.590	27.29		1477.0							
	OBS	00237	06.25	34.650	27.30		1479.5							
	OBS	00245	05.98	34.692	27.33		1478.7							
	STD	00250	05.53	34.65	27.34	00.274	1478.5							
	OBS	00255	05.68	34.670	27.35		1477.5							
	OBS	00277	05.81	34.663	27.35		1478.5							
	OBS	00295	05.50	34.763	27.40		1479.2							
	OBS	00258	05.53	34.687	27.39		1477.7							
	STD	00300	05.50	34.68	27.38	00.312	1477.6							
	OBS	00300	05.48	34.670	27.38		1477.5							
	OBS	00327	05.66	34.830	27.48		1478.9							
	OBS	00333	06.07	34.890	27.48		1480.7							
	OBS	00350	05.87	34.873	27.45		1480.1							
	STD	00400	05.20	34.83	27.54	00.380	1478.2							
	OBS	00401	05.19	34.830	27.54		1478.2							
	OBS	00451	05.32	34.890	27.57		1475.6							
	STD	00500	05.12	34.90	27.60	00.438	1475.6							
	OBS	00500	05.12	34.900	27.60		1475.6							
	OBS	00550	05.01	34.510	27.62		1480.0							
	STD	00600	04.87	34.50	27.63	00.493	1480.3							
	OBS	00605	04.85	34.503	27.64		1480.3							
	STD	00700	04.61	34.51	27.67	00.545	1480.8							
	OBS	00711	04.58	34.510	27.67		1480.9							
	OBS	00750	04.49	34.500	27.68		1481.2							
	STD	00800	04.47	34.50	27.68	00.590	1481.5							
	OBS	00803	04.46	34.502	27.68		1481.9							
	OBS	00818	04.42	34.500	27.68		1482.0							
	OBS	00820	04.23	34.895	27.70		1481.2							
	OBS	00875	04.42	34.510	27.69		1483.0							
	STD	00900	04.40	34.51	27.69	00.640	1463.3							
	OBS	00904	04.39	34.510	27.69		1483.3							
	OBS	00951	04.26	34.500	27.70		1483.6							
	STD	01000	04.13	34.88	27.70	00.697	1483.8							
	OBS	01001	04.13	34.880	27.70		1483.8							
	STD	01100	04.01	34.50	27.73	00.740	1485.0							
	OBS	01100	04.01	34.505	27.73		1485.0							
	OBS	01123	03.90	34.507	27.74		1484.5							
	STD	01200	03.50	34.90	27.74	00.754	1486.2							
	OBS	01201	03.90	34.500	27.74		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOODC STATION DATA

REFID 01 WJSD YEAR 1973 BDTOP 04073 AIR TEMP 14.0 DIR HGT PER WIND-DIR 17 INST STO RECODER TEN SQ 1300  
 CONSEC 0154 NCMIM 06 SHIP EV WET BULB 13.0 WIND-SPD 30 TRACE DIR 0 5 SQUARE 2  
 LAT 43 50.5N DAY 18 DATA USE 1 BAROMETR 1002.5 SEA CL/TR WIND-FDR DURATION 2 SQUARE 20  
 LONG 047 55 W HOUR 11.1 AREA 05 CLOUD T/A WEATHER X6 DRIG 011 335 1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.1	STD	00000	07.95	33.02	26.22	00.000	1480.5							
	G65	00005	07.95	33.020	26.22		1481.0							
	STD	00010	07.91	33.02	26.23	00.018	1481.0							
	O85	00011	07.91	33.020	26.23		1481.0							
	O85	00017	07.93	33.028	26.23		1481.1							
	STD	00020	07.94	33.03	26.25	00.036	1479.7							
	O85	00020	07.43	33.038	26.31		1479.3							
	O85	00024	07.50	33.060	26.39		1477.7							
	STD	00030	07.70	33.05	26.42	00.053	1480.7							
	O85	00030	07.75	33.043	26.42		1481.0							
	O85	00036	06.07	33.577	26.46		1482.5							
	O85	00036	05.44	34.300	26.52		1486.1							
	O85	00041	10.39	34.820	26.76		1492.3							
	O85	00043	10.15	34.500	26.87		1451.5							
	O85	00047	09.47	34.890	26.97		1465.1							
	STD	00050	05.51	34.50	26.98	00.080	1485.3							
	O85	00051	05.52	34.505	26.98		1484.4							
	O85	00053	05.52	34.402	26.98		1484.4							
	O85	00055	05.19	34.830	26.97		1486.1							
	O85	00057	06.47	34.890	27.06		1487.4							
	O85	00062	06.65	34.800	27.04		1487.2							
	STD	00075	07.74	34.52	27.03	00.107	1482.7							
	O85	00083	07.55	34.550	27.03		1481.4							
	O85	00095	07.52	34.550	27.04		1481.3							
	STD	00100	06.98	34.56	27.10	00.132	1480.0							
	O85	00106	06.53	34.585	27.12		1480.0							
	O85	00114	07.47	34.680	27.12		1482.3							
	STD	00125	07.74	34.74	27.13	00.157	1483.7							
	O85	00125	07.75	34.745	27.13		1483.7							
	O85	00149	07.78	34.757	27.14		1483.5							
	STD	00150	07.54	34.72	27.14	00.181	1483.2							
	O85	00158	07.47	34.700	27.14		1483.1							
	O85	00175	07.38	34.670	27.13		1483.0							
	O85	00184	07.61	34.747	27.15		1484.1							
	O85	00194	07.56	34.650	27.14		1483.2							
	STD	00200	07.50	34.65	27.15	00.229	1483.1							
	O85	00203	07.27	34.685	27.15		1483.0							
	O85	00226	07.35	34.680	27.14		1483.7							
	O85	00237	07.59	34.820	27.21		1485.0							
	STD	00250	07.68	34.85	27.23	00.275	1485.8							
	O85	00257	07.71	34.870	27.24		1485.9							
	O85	00277	07.70	34.900	27.26		1486.2							
	O85	00287	07.73	34.900	27.28		1486.5							
	O85	00285	07.61	34.890	27.27		1486.0							
	O85	00293	07.71	34.895	27.25		1486.5							
	STD	00300	07.57	34.87	27.25	00.319	1486.0							
	O85	00306	07.20	34.810	27.26		1484.6							
	O85	00316	06.26	34.682	27.25		1483.5							
	O85	00327	05.72	34.655	27.34		1478.5							
	O85	00331	05.87	34.670	27.33		1479.6							
	O85	00338	05.75	34.675	27.35		1479.1							
	O85	00346	06.10	34.750	27.36		1480.8							
	O85	00348	06.14	34.820	27.41		1481.1							
	O85	00352	06.40	34.855	27.41		1482.3							
	O85	00365	06.73	34.930	27.42		1484.0							
	O85	00373	06.55	34.885	27.41		1483.3							
	O85	00382	05.32	34.690	27.41		1478.2							
	O85	00390	05.08	34.600	27.46		1475.9							
	STD	00400	05.70	34.81	27.46	00.397	1480.2							
	O85	00401	05.70	34.815	27.47		1480.2							
	O85	00430	04.80	34.680	27.47		1476.8							
	O85	00452	04.65	34.675	27.48		1476.2							
	O85	00434	04.65	34.670	27.47		1476.4							
	O85	00441	05.03	34.800	27.55		1478.2							
	O85	00445	05.02	34.806	27.54		1478.2							
	O85	00462	05.10	34.830	27.54		1475.4							
	STD	00500	05.28	34.88	27.57	00.461	1480.3							
	O85	00504	05.33	34.853	27.57		1480.5							
	O85	00515	05.53	34.900	27.55		1481.0							
	O85	00534	04.55	34.820	27.56		1475.5							
	O85	00555	04.71	34.820	27.55		1476.7							
	O85	00561	04.99	34.890	27.61		1480.1							
	O85	00592	04.98	34.990	27.69		1480.7							
	STD	00600	05.11	35.00	27.69	00.515	1484.3							
	O85	00605	05.17	35.010	27.68		1481.7							
	O85	00628	05.26	35.010	27.67		1482.5							
	STD	00700	04.74	34.91	27.66	00.565	1481.4							
	O85	00705	04.71	34.910	27.66		1481.3							
	O85	00788	04.55	34.500	27.67		1482.0							
	STD	00800	04.55	34.91	27.67	00.617	1482.2							
	O85	00805	04.55	34.910	27.68		1482.3							
	O85	00856	04.36	34.902	27.69		1482.4							
	STD	00900	04.32	34.90	27.65	00.666	1482.5							
	O85	00900	04.52	34.900	27.65		1482.5							
	O85	00951	04.24	34.900	27.70		1483.5							
	STD	01000	04.15	34.88	27.70	00.718	1483.9							
	O85	01003	04.15	34.880	27.70		1483.5							
	STD	01100	04.12	34.88	27.70	00.765	1485.4							
	O85	01100	04.12	34.883	27.70		1485.4							
	STD	01200	03.57	34.90	27.73	00.815	1486.5							
	O85	01203	03.56	34.900	27.73		1486.5							
	O85	01218	03.92	34.900	27.74		1486.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N O A T A

REFID 31 8555 YEA4 1973 8JTOP 05630 AIR TEMP 13.0 OIR MGT PER WIND-OIR 24 INST STO RECOROER TEM SO 1306  
CONSEC 0155 MONTH 06 SHIP EV WET BULB 12.4 19 7 5 WIND-SPO 30 TRACE OIR 0 5 SQUARE 2  
LAT 43 45.5N DAY 18 DATA USE 1 BARDMETR 1002.8 SEA CL/TR WIND-FOR DURATION 2 SQUARE 26  
LONG 147 53 W HOUR 13.0 AREA 05 CLOUD T/A WEATHER A6 ORIG 011 340 1 SQUARE 37

CASSTN/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNQ VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.0	STO	00000	09.36	33.97	26.27	00.000	1486.7							
	085	00001	09.36	33.970	26.27		1486.7							
	STO	00010	09.39	33.97	26.27	00.018	1487.0							
	085	00013	09.41	33.970	26.27		1487.1							
	085	00017	09.44	33.965	26.26		1487.3							
	STO	00020	09.41	33.97	26.27	00.035	1487.2							
	085	00020	09.40	33.970	26.27		1487.2							
	STO	00030	09.39	33.98	26.28	00.053	1487.3							
	085	00030	09.38	33.987	26.28		1487.3							
	085	00036	09.27	34.073	26.37		1487.1							
	085	00040	08.75	34.110	26.56		1485.4							
	085	00041	07.73	34.306	26.75		1481.7							
	085	00049	09.97	34.827	26.84		1490.9							
	STO	00050	09.90	34.81	26.64	00.083	1490.6							
	085	00051	09.70	34.750	26.83		1485.8							
	085	00053	09.43	34.685	26.82		1488.8							
	085	00060	08.51	34.577	26.92		1484.6							
	085	00068	08.03	34.590	26.97		1483.6							
	085	00072	08.71	34.853	27.05		1486.6							
	STO	00075	08.75	34.83	27.04	00.111	1486.8							
	085	00076	08.76	34.820	27.04		1486.8							
	085	00083	07.97	34.690	27.06		1483.8							
	085	00099	07.76	34.674	27.07		1483.2							
	STO	00100	07.68	34.65	27.07	00.137	1482.9							
	085	00110	07.23	34.590	27.08		1481.2							
	085	00112	07.23	34.613	27.10		1481.3							
	085	00118	08.86	34.533	27.09		1475.8							
	STO	00125	08.86	34.54	27.10	00.162	1475.9							
	085	00131	08.86	34.550	27.10		1480.1							
	085	00135	07.53	34.697	27.13		1482.9							
	STO	00150	07.50	34.67	27.11	00.167	1483.0							
	085	00152	07.50	34.670	27.11		1483.1							
	085	00154	07.43	34.670	27.12		1482.8							
	085	00161	06.32	34.865	27.16		1486.6							
	085	00178	08.48	34.910	27.15		1487.6							
	085	00188	08.30	34.900	27.17		1487.0							
	085	00198	08.68	34.595	27.17		1480.4							
	085	00199	08.68	34.650	27.21		1480.5							
	STO	00200	08.63	34.65	27.21	00.234	1480.4							
	085	00203	08.33	34.585	27.20		1475.2							
	085	00207	08.48	34.617	27.21		1475.6							
	085	00220	08.00	34.548	27.22		1478.1							
	085	00232	08.02	34.560	27.22		1478.4							
	085	00236	08.11	34.570	27.22		1478.8							
	STO	00250	08.01	34.57	27.23	00.278	1478.7							
	085	00253	09.94	34.560	27.23		1478.6							
	085	00258	35.91	34.540	27.22		1478.4							
	085	00262	08.40	34.683	27.27		1480.6							
	085	00264	08.43	34.680	27.27		1480.7							
	085	00270	09.61	34.540	27.26		1477.3							
	085	00274	09.40	34.550	27.29		1476.6							
	085	00276	09.41	34.550	27.29		1476.6							
	085	00277	09.65	34.605	27.31		1477.7							
	085	00283	08.22	34.707	27.31		1480.2							
	085	00289	08.72	34.648	27.36		1482.5							
	085	00297	07.53	35.003	27.37		1486.0							
	STO	00300	07.69	35.03	27.36	00.320	1486.7							
	085	00300	07.72	35.030	27.36		1486.8							
	085	00314	07.45	35.010	27.38		1486.0							
	085	00327	07.65	35.040	27.38		1487.0							
	085	00344	09.86	34.740	27.39		1479.8							
	085	00354	09.62	34.700	27.38		1476.0							
	085	00361	09.37	34.670	27.39		1476.0							
	085	00373	09.35	34.692	27.41		1478.2							
	STO	00400	09.26	34.75	27.50	00.391	1478.4							
	085	00403	09.25	34.800	27.51		1478.4							
	085	00411	04.96	34.780	27.53		1477.3							
	085	00420	09.30	34.830	27.53		1478.9							
	085	00493	09.29	34.890	27.58		1475.5							
	085	00464	09.35	34.900	27.58		1480.0							
	STO	00500	09.26	34.88	27.57	00.453	1480.2							
	085	00500	09.26	34.880	27.57		1480.2							
	085	00595	09.41	34.980	27.63		1482.5							
	STO	00600	09.41	34.98	27.63	00.510	1482.6							
	085	00607	09.37	34.900	27.61		1482.5							
	STO	00700	04.97	34.94	27.65	00.564	1482.4							
	085	00700	04.97	34.940	27.65		1482.4							
	085	00750	04.91	34.950	27.67		1483.0							
	085	00799	04.83	34.950	27.68		1483.4							
	STO	00800	04.83	34.95	27.68	00.616	1483.5							
	085	00875	04.65	34.900	27.66		1483.9							
	STO	00900	04.60	34.94	27.69	00.668	1484.2							
	085	00900	04.60	34.940	27.69		1484.2							
	085	00944	04.44	34.930	27.70		1484.5							
	STO	01000	04.43	34.92	27.71	00.716	1485.1							
	085	01001	04.43	34.930	27.71		1485.1							
	STO	01100	04.22	34.91	27.71	00.769	1485.6							
	085	01100	04.22	34.910	27.71		1485.6							
	STO	01200	04.03	34.88	27.71	00.819	1486.7							
	085	01201	04.03	34.880	27.71		1486.7							
	085	01212	03.99	34.860	27.71		1486.8							
	085	01214	03.99	34.880	27.71		1486.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D D C S T A T I O N D A T A														
REFUG 51 #355	YEAR 1973	BOIOP 03804	AIR TEMP 13.0	DIR MGT PER	WIND-DIR 17	INST STD RECORDER	TEN SG 130e							
CONSEC 0150	MONTH 06	SHIP EV	NET BULB 12.2	19 4 2	WIND-SPO 24	TRACE DIR 0	5 SQUARE 2							
LAT 43 47.5N	DAY 18	DATA USE 1	BAROMETR 1002.9	SEA	WIND-FOR 26	DURATION	2 SQUARE 26							
LONG 147 43 W	MOJR 15.0	AREA 05	CLOUD T/A	CL/TR	WEATHER	DRIG 011 341	1 SQUARE 57							
CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	UTYG	P04	TOT P	NO2	NO3	SIO2	PH
15.0	STO	00000	10.83	33.97	26.02	00.000	1492.1							
	OBS	00005	10.83	33.968	26.02		1492.2							
	STO	00010	10.83	33.97	26.02	00.020	1492.2							
	OBS	00011	10.83	33.970	26.02		1492.2							
	STO	00020	10.76	33.94	26.01	00.040	1492.1							
	OBS	00023	10.72	33.935	26.02		1492.0							
	OBS	00022	10.62	33.970	26.06		1491.7							
	OBS	00024	10.15	33.863	26.06		1489.5							
	OBS	00026	09.47	33.750	26.09		1487.3							
	OBS	00028	05.11	33.385	26.41		1469.8							
	STO	00030	04.49	33.33	26.43	00.058	1467.1							
	OBS	00030	04.39	33.310	26.43		1466.7							
	OBS	00032	04.64	33.643	26.68		1468.2							
	OBS	00034	04.72	33.648	26.66		1468.6							
	OBS	00038	05.03	33.832	26.77		1470.2							
	OBS	00043	05.27	33.853	26.76		1471.3							
	OBS	00045	04.95	33.833	26.78		1470.0							
	OBS	00049	04.15	33.770	26.82		1466.6							
	STO	00050	04.07	33.77	26.83	00.087	1466.3							
	OBS	00051	03.66	33.766	26.86		1465.6							
	OBS	00055	03.56	33.850	26.94		1464.4							
	OBS	00059	03.76	33.860	26.93		1465.3							
	OBS	00060	03.33	33.647	26.96		1463.5							
	OBS	00066	02.41	33.546	27.03		1464.0							
	OBS	00070	02.65	33.540	27.02		1466.0							
	OBS	00074	04.00	34.022	27.03		1466.8							
	STO	00075	04.17	34.05	27.03	00.115	1467.5							
	OBS	00078	04.63	34.125	27.05		1469.6							
	OBS	00085	04.67	34.132	27.06		1470.1							
	OBS	00087	04.56	34.200	27.11		1469.7							
	STO	00100	04.78	34.20	27.05	00.140	1470.7							
	OBS	00100	04.83	34.204	27.09		1470.9							
	OBS	00114	04.94	34.205	27.07		1471.6							
	OBS	00116	04.89	34.254	27.12		1471.5							
	OBS	00121	05.40	34.347	27.13		1473.8							
	STO	00125	05.43	34.34	27.12	00.165	1473.9							
	OBS	00125	05.44	34.340	27.12		1474.0							
	OBS	00129	05.57	34.450	27.19		1474.7							
	OBS	00146	05.73	34.475	27.19		1475.7							
	STO	00150	05.64	34.50	27.19	00.186	1476.6							
	OBS	00150	05.66	34.505	27.19		1476.7							
	OBS	00171	06.87	34.677	27.20		1480.9							
	OBS	00177	06.91	34.670	27.19		1481.2							
	OBS	00178	06.91	34.670	27.19		1481.2							
	OBS	00184	06.76	34.635	27.19		1480.7							
	OBS	00186	06.14	34.530	27.18		1478.1							
	STO	00200	05.80	34.54	27.24	00.235	1477.0							
	OBS	00203	05.75	34.550	27.25		1476.8							
	OBS	00217	05.77	34.600	27.29		1477.2							
	OBS	00220	06.05	34.670	27.31		1478.5							
	OBS	00222	06.08	34.690	27.32		1478.6							
	OBS	00232	06.59	34.620	27.35		1481.0							
	OBS	00234	06.62	34.808	27.34		1481.1							
	OBS	00243	05.83	34.675	27.34		1478.0							
	OBS	00245	05.84	34.670	27.33		1478.0							
	OBS	00249	06.11	34.717	27.34		1476.2							
	OBS	00253	06.13	34.72	27.34	00.274	1479.2							
	STO	00258	05.66	34.693	27.34		1476.8							
	OBS	00276	05.72	34.685	27.36		1478.1							
	OBS	00281	05.78	34.670	27.34		1478.4							
	OBS	00287	05.03	34.550	27.34		1475.3							
	OBS	00291	04.99	34.595	27.38		1475.2							
	STO	00300	05.52	34.69	27.39	00.312	1477.6							
	OBS	00300	05.53	34.690	27.39		1477.7							
	OBS	00316	04.65	34.550	27.38		1474.2							
	OBS	00342	04.87	34.670	27.45		1475.7							
	OBS	00346	04.56	34.650	27.47		1474.4							
	OBS	00352	04.87	34.700	27.47		1475.9							
	STO	00400	05.57	34.90	27.55	00.379	1476.8							
	OBS	00401	05.58	34.900	27.55		1476.9							
	OBS	00445	05.48	34.880	27.54		1480.1							
	OBS	00456	06.07	35.020	27.58		1482.9							
	OBS	00485	05.64	34.990	27.61		1481.6							
	OBS	00487	05.56	35.000	27.63		1481.4							
	OBS	00496	05.26	34.945	27.62		1480.2							
	STO	00500	05.24	34.94	27.62	00.436	1480.1							
	OBS	00502	05.22	34.940	27.62		1480.1							
	OBS	00503	05.33	35.030	27.68		1481.5							
	STO	00600	05.26	35.02	27.68	00.486	1482.0							
	OBS	00601	05.26	35.020	27.68		1482.0							
	OBS	00618	05.19	35.010	27.68		1482.0							
	STO	00700	04.64	34.92	27.68	00.538	1481.0							
	OBS	00700	04.64	34.923	27.68		1481.0							
	OBS	00717	04.55	34.910	27.68		1480.9							
	OBS	00750	04.46	34.910	27.65		1481.0							
	STO	00800	04.39	34.90	27.69	00.588	1481.6							
	OBS	00873	04.28	34.890	27.65		1482.3							
	STO	00900	04.10	34.87	27.65	00.636	1482.0							
	OBS	00904	04.06	34.870	27.70		1482.0							
	OBS	00951	04.08	34.910	27.73		1482.8							
	STO	01000	04.06	34.88	27.71	00.688	1483.5							
	OBS	01001	04.06	34.880	27.71		1483.5							
	STO	01100	03.97	34.90	27.73	00.736	1484.8							
	OBS	01100	03.97	34.900	27.73		1484.8							
	STO	01200	03.68	34.90	27.74	00.784	1486.1							
	OBS	01212	03.87	34.900	27.74		1486.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO L S T A T I O N   D A T A														
REFIC 31 035>	YEAR 1973	#OTOP 03731	AIR TEMP 14.0	DIR MGT PER	WIND-DIR 21	INST STO RECORDER	TEN SQ 1506							
CONSEC 0157	MONTH 06	SHIP EV	WET BULB 13.8	33 5 2	WIND-SPD 24	TRACE OIR 0	5 SQUARE 2							
LAT 43 57 N	DAY 16	DATA USE 1	BARDMETR 1003.8	SEA	WIND-FOR	DURATION	2 SQUARE 26							
LONG 047 43 W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG OII 342	1 SQUARE 37							
LASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN/DPTH	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.1	STG	00000	05.55	34.20	26.50	00.000	1485.2							
	085	00001	05.95	34.200	26.36		1485.2							
	STO	00010	09.95	34.21	26.36	00.017	1485.4							
	085	00011	05.95	34.207	26.36		1485.4							
	085	00013	09.90	34.190	26.36		1485.2							
	STG	00020	09.90	34.20	26.37	00.034	1485.3							
	085	00020	09.50	34.210	26.37		1485.4							
	STO	00050	09.90	34.32	26.46	00.050	1485.6							
	085	00050	05.50	34.320	26.46		1485.7							
	085	00043	05.85	34.346	26.49		1485.7							
	085	00047	09.52	34.295	26.50		1488.5							
	085	00049	08.52	34.325	26.63		1488.4							
	STO	00050	08.54	34.42	26.69	00.075	1486.7							
	085	00051	09.15	34.630	26.62		1407.6							
	085	00057	09.32	34.850	26.57		1486.6							
	085	00062	07.07	34.558	27.00		1482.1							
	085	00066	07.06	34.477	27.02		1475.7							
	085	00068	05.84	34.310	27.05		1474.6							
	085	00074	02.48	34.280	27.07		1473.2							
	STO	00075	05.55	34.50	27.06	00.109	1475.6							
	085	00076	05.62	34.320	27.08		1473.9							
	085	00081	05.64	34.315	27.08		1474.1							
	085	00087	05.39	34.290	27.09		1473.1							
	085	00099	06.28	34.440	27.10		1477.1							
	STO	00100	06.19	34.42	27.09	00.134	1476.7							
	085	00106	05.72	34.340	27.09		1474.8							
	STO	00125	05.54	34.34	27.11	00.159	1474.4							
	085	00125	05.53	34.350	27.12		1474.4							
	085	00131	05.56	34.455	27.15		1476.4							
	085	00140	05.98	34.450	27.14		1476.6							
	STO	00150	06.58	34.56	27.15	00.183	1479.3							
	085	00161	07.08	34.657	27.16		1481.6							
	085	00186	07.11	34.660	27.16		1482.1							
	STO	00200	07.14	34.66	27.17	00.230	1482.5							
	085	00201	07.18	34.690	27.17		1482.7							
	085	00211	07.50	34.800	27.21		1484.2							
	085	00243	04.69	34.340	27.21		1472.9							
	STO	00250	05.15	34.46	27.25	00.275	1475.0							
	085	00255	05.29	34.500	27.27		1475.7							
	085	00264	05.02	34.445	27.25		1474.7							
	085	00274	05.51	34.550	27.28		1477.0							
	085	00277	05.62	34.550	27.27		1477.5							
	085	00283	06.10	34.615	27.26		1479.6							
	085	00293	06.27	34.730	27.30		1480.6							
	STO	00300	06.11	34.67	27.30	00.317	1480.0							
	085	00300	06.09	34.665	27.30		1479.9							
	085	00317	07.41	34.500	27.30		1485.7							
	085	00321	07.45	34.900	27.30		1486.0							
	085	00325	06.56	34.645	27.32		1486.0							
	085	00342	05.65	34.651	27.35		1478.8							
	085	00346	05.85	34.670	27.35		1475.7							
	085	00350	05.62	34.670	27.37		1478.9							
	085	00367	05.49	34.690	27.39		1478.6							
	085	00382	05.75	34.745	27.40		1480.0							
	085	00394	05.57	34.770	27.45		1475.5							
	085	00399	05.88	34.840	27.46		1481.0							
	STO	00400	05.88	34.84	27.46	00.393	1480.9							
	085	00405	05.80	34.810	27.45		1480.7							
	085	00420	05.71	34.830	27.48		1480.6							
	085	00424	05.37	34.825	27.51		1475.3							
	085	00453	05.10	34.810	27.53		1478.6							
	085	00485	04.98	34.830	27.56		1478.8							
	085	00493	04.67	34.860	27.62		1477.6							
	085	00496	04.69	34.860	27.61		1476.6							
	STO	00500	04.90	34.88	27.61	00.454	1476.7							
	085	00500	04.90	34.880	27.61		1476.7							
	085	00550	05.01	34.880	27.60		1480.0							
	STO	00600	04.90	34.90	27.63	00.509	1480.4							
	085	00601	04.90	34.896	27.63		1480.4							
	085	00614	05.09	34.910	27.62		1481.2							
	085	00651	04.74	34.510	27.66		1480.6							
	STO	00700	04.52	34.89	27.67	00.561	1480.4							
	085	00732	04.51	34.894	27.67		1480.4							
	085	00750	04.37	34.870	27.66		1480.6							
	STO	00800	04.21	34.51	27.71	00.610	1480.6							
	085	00801	04.21	34.510	27.71		1480.9							
	085	00850	04.17	34.500	27.71		1481.5							
	STO	00900	04.15	34.89	27.71	00.656	1482.2							
	085	00906	04.15	34.890	27.70		1482.3							
	085	00953	04.13	34.870	27.69		1483.0							
	STO	01000	04.10	34.87	27.69	00.708	1483.7							
	085	01001	04.10	34.870	27.69		1483.7							
	STO	01100	02.96	34.90	27.73	00.757	1484.8							
	085	01100	03.96	34.900	27.73		1484.6							
	STO	01200	03.53	34.90	27.74	00.805	1486.3							
	085	01201	03.93	34.902	27.74		1486.3							
	085	01208	03.52	34.910	27.74		1486.4							
	085	01216	03.93	34.903	27.74		1486.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO C S T A T I O N O A T A

REFID 51 4255 YEAR 1973 BOTOP 03493 AIR TEMP 13.8 DIR MGT PER WIND-DIR 14 INST STO RECORDER TEN SQ 1304  
 CONSEC 0150 NGNTH 06 SHIP EV MET BULB 11.8 24 5 2 WIND-SPO 24 TRACE DIR 0 5 SQUARE 2  
 LAT 44 04.5N DAY 1A DATA USE 1 BAROMETR 1003.9 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 147 43 W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 363 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SI03	PH
19.2	STO	0000	10.64	34.52	26.33	00.000	1491.8							
	OBS	0005	10.64	34.520	26.33		1491.9							
	STO	0010	10.64	34.33	26.34	00.017	1492.0							
	OBS	0011	10.64	34.330	26.34		1492.0							
	OBS	0015	10.79	34.812	26.89		1493.3							
	STO	0020	10.80	34.87	26.75	00.032	1493.4							
	OBS	0020	10.81	34.900	26.75		1493.5							
	OBS	0022	10.81	34.897	26.75		1493.5							
	STO	0030	10.91	35.10	26.89	00.045	1494.3							
	OBS	0032	10.92	35.150	26.93		1494.4							
	OBS	0049	10.56	35.160	27.00		1493.4							
	STO	0050	10.55	35.16	27.00	00.067	1493.4							
	STO	0075	10.15	34.99	26.93	00.095	1492.2							
	STO	00100	09.76	34.90	26.94	00.124	1451.0							
	OBS	00112	09.56	34.840	26.96		1490.5							
	OBS	00114	09.44	34.850	26.98		1490.1							
	OBS	00116	08.56	34.819	27.00		1488.2							
	OBS	00121	08.16	34.885	27.02		1485.1							
	STO	00125	07.88	34.67	27.05	00.151	1484.1							
	OBS	00125	07.84	34.670	27.06		1483.9							
	OBS	00133	07.69	34.650	27.10		1483.5							
	OBS	00146	06.57	34.499	27.10		1474.1							
	STO	00150	06.40	34.46	27.11	00.176	1476.4							
	OBS	00150	06.38	34.475	27.11		1478.4							
	OBS	00177	06.29	34.465	27.11		1478.4							
	OBS	00188	06.30	34.450	27.15		1478.7							
	OBS	00196	06.77	34.590	27.15		1480.8							
	STO	00200	06.57	34.65	27.15	00.225	1481.7							
	OBS	00205	07.19	34.675	27.16		1482.7							
	OBS	00226	07.18	34.650	27.14		1483.0							
	STO	00250	07.14	34.70	27.18	00.272	1483.3							
	OBS	00251	07.14	34.700	27.18		1483.3							
	OBS	00276	07.70	34.820	27.20		1486.1							
	OBS	00281	07.82	34.870	27.22		1486.7							
	OBS	00297	07.48	34.825	27.23		1485.6							
	OBS	00298	07.50	34.823	27.25		1485.7							
	STO	00300	07.53	34.83	27.23	00.318	1485.8							
	OBS	00308	07.71	34.930	27.26		1486.7							
	OBS	00327	07.55	34.905	27.28		1486.6							
	OBS	00333	07.29	34.900	27.32		1485.5							
	OBS	00350	07.30	34.880	27.30		1485.8							
	STO	00400	06.54	34.85	27.42	00.400	1483.7							
	OBS	00401	06.52	34.850	27.42		1485.6							
	OBS	00424	06.25	34.683	27.45		1482.9							
	OBS	00432	05.96	34.500	27.50		1481.9							
	OBS	00434	05.96	34.900	27.50		1481.9							
	OBS	00453	05.63	34.880	27.53		1480.9							
	STO	00500	05.10	34.88	27.59	00.465	1479.5							
	OBS	00504	05.07	34.880	27.59		1479.4							
	OBS	00555	05.01	34.890	27.61		1480.1							
	OBS	00563	05.01	34.890	27.61		1480.2							
	OBS	00584	04.24	34.750	27.62		1477.2							
	OBS	00590	03.57	34.794	27.65		1476.2							
	STO	00600	03.92	34.79	27.65	00.515	1476.1							
	OBS	00601	03.91	34.785	27.65		1476.1							
	OBS	00633	05.90	34.790	27.65		1476.1							
	OBS	00651	04.10	34.820	27.65		1477.6							
	STO	00700	04.32	34.88	27.68	00.565	1479.6							
	OBS	00702	04.35	34.880	27.67		1479.8							
	OBS	00721	04.65	34.850	27.65		1481.3							
	OBS	00761	04.60	34.610	27.67		1481.8							
	STO	00800	04.54	34.90	27.67	00.620	1482.2							
	OBS	00801	04.53	34.900	27.67		1482.2							
	OBS	00803	04.51	34.505	27.68		1482.1							
	OBS	00629	04.83 P	34.900	27.64 QM									
	OBS	00879	04.67	34.900	27.66		1484.1							
	STO	00900	04.62	34.50	27.66	00.673	1484.2							
	OBS	00900	04.62	35.01 P	27.75 Q									
	OBS	00955	04.57	34.510	27.70 Q		1484.6							
	STO	01000	04.26	34.51	27.69	00.725	1484.6							
	OBS	01001	04.25	34.500	27.69		1484.8							
	STO	01100	04.12	34.55	27.71	00.776	1485.4							
	OBS	01100	04.12	34.050	27.71		1485.4							
	STO	01200	04.00	34.88	27.71	00.827	1486.6							
	OBS	01201	04.00	34.860	27.71		1486.6							
	OBS	01214	03.97	34.875	27.71		1486.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REF ID: 31 0355 YEAR: 1973 BOTOP: 03548 AIR TEMP: 12.1 DIR MGT PER: WIND-DIR: 24 INST STD RECORDER: TEN SQ 1306  
 CONSEC: 0156 MONTH: 06 SHIP EV: WET BULB: 09.9 07 4 2 WIND-SPD: 22 TRACE DIR: D 5 SQUARE 2  
 LAT: 44 13 N DAY: 18 DATA USE: 1 SEA: WEATHER: WIND-FOR: DURATION: 2 SQUARE 46  
 LONG: 047 42.5W HOUR: 23.0 AREA: 05 CLOUD: T/A CL/TR: WEATHER: X2 ORIG: 011 344 1 SQUARE 47

CASSTN/M/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SPD VEL	OXYG	PD4	TOT P	MG2	NO3	SID3	PH
23.0	STO	00000	08.72	33.65	26.13	00.000	1483.9							
	OBS	00001	08.72	33.650	26.13		1483.9							
	STO	00010	08.75	33.71	26.17	00.015	1484.2							
	OBS	00011	08.75	33.727	26.18		1484.3							
	OBS	00013	08.74	33.755	26.21		1484.3							
	OBS	00015	09.49	34.345	26.55		1487.9							
	OBS	00016	10.80	35.027	26.85		1493.6							
	STO	00020	10.87	35.07	26.87	00.034	1493.5							
	OBS	00022	10.97	35.154	26.92		1494.4							
	STO	00030	10.61	35.15	26.98	00.045	1493.3							
	OBS	00030	10.59	35.150	26.98		1493.2							
	STO	00050	11.31	35.09	26.98	00.067	1492.3							
	OBS	00051	10.26	35.077	26.59		1492.3							
	OBS	00055	05.89	35.012	27.00		1491.0							
	OBS	00060	05.83	35.015	27.01		1490.8							
	OBS	00062	05.46	34.922	27.00		1489.3							
	OBS	00068	05.24	34.895	27.02		1488.6							
	OBS	00070	08.23	34.705	27.03		1484.6							
	OBS	00072	08.14	34.757	27.08		1484.3							
	OBS	00074	07.67	34.620	27.08		1482.4							
	STO	00075	07.62	34.65	27.07	00.094	1482.2							
	OBS	00076	07.47	34.620	27.07		1481.7							
	OBS	00081	07.41	34.620	27.08		1481.5							
	OBS	00085	07.17	34.570	27.08		1480.6							
	OBS	00091	07.42	34.680	27.13		1481.8							
	STO	00100	07.63	34.65	27.10	00.115	1482.8							
	OBS	00103	07.65	34.650	27.10		1482.8							
	STO	00125	07.57	34.69	27.11	00.143	1482.9							
	OBS	00125	07.56	34.685	27.12		1482.5							
	OBS	00135	07.41	34.665	27.12		1482.5							
	OBS	00144	06.50	34.547	27.10		1480.4							
	STO	00150	06.91	34.54	27.09	00.168	1480.6							
	OBS	00150	06.51	34.540	27.09		1480.6							
	OBS	00154	06.91	34.530	27.08		1480.6							
	OBS	00155	06.35	34.513	27.14		1478.6							
	OBS	00169	06.41	34.527	27.15		1478.9							
	OBS	00171	06.10	34.470	27.14		1477.6							
	OBS	00175	06.08	34.482	27.15		1477.6							
	OBS	00176	06.08	34.467	27.16		1477.7							
	OBS	00184	05.71	34.430	27.16		1476.2							
	STO	00200	05.72	34.43	27.16	00.217	1476.5							
	OBS	00201	05.73	34.434	27.16		1476.6							
	OBS	00226	06.23	34.540	27.18		1475.1							
	OBS	00239	07.03	34.687	27.19		1482.7							
	STO	00250	07.04	34.69	27.19	00.263	1482.5							
	OBS	00251	07.04	34.685	27.19		1482.9							
	OBS	00272	07.75	34.875	27.23		1486.3							
	OBS	00281	06.05	35.000	27.28		1487.5							
	OBS	00285	07.95	34.550	27.29		1487.5							
	OBS	00297	07.44	34.885	27.29		1485.5							
	STO	00300	07.22	34.83	27.28	00.308	1484.6							
	OBS	00300	07.16	34.820	27.28		1484.4							
	OBS	00300	06.43	34.820	27.38		1482.3							
	OBS	00352	06.25	34.825	27.40		1481.8							
	OBS	00357	05.79	34.775	27.42		1475.8							
	OBS	00394	05.83	34.870	27.45		1480.8							
	OBS	00397	05.55	34.820	27.48		1475.7							
	STO	00400	05.54	34.83	27.49	00.383	1479.6							
	OBS	00401	05.50	34.830	27.50		1479.4							
	OBS	00451	05.44	34.850	27.56		1480.1							
	STO	00500	05.05	34.89	27.61	00.443	1479.2							
	OBS	00503	05.03	34.893	27.61		1475.2							
	OBS	00555	05.08	34.910	27.62		1480.4							
	STO	00600	04.89	34.98	27.69	00.495	1480.4							
	OBS	00603	04.88	34.960	27.69		1480.4							
	OBS	00651	04.71	34.945	27.69		1480.5							
	STO	00700	04.73	34.92	27.67	00.545	1481.3							
	OBS	00700	04.73	34.99 P	27.720									
	OBS	00753	04.49	34.98 P	27.720									
	STO	00800	04.42	34.50	27.68	00.596	1481.7							
	OBS	00801	04.42	34.500	27.68		1481.7							
	OBS	00885	04.37	34.500	27.69		1482.5							
	STO	00900	04.30	34.91	27.70	00.646	1482.9							
	OBS	00900	04.30	34.506	27.70		1482.9							
	OBS	00951	04.21	34.895	27.70		1483.3							
	STO	01000	04.12	34.88	27.70	00.696	1483.8							
	OBS	01001	04.12	34.880	27.70		1483.8							
	STO	01100	03.94	34.90	27.73	00.744	1484.7							
	OBS	01100	03.54	34.900	27.73		1484.7							
	STO	01200	03.93	34.50	27.74	00.792	1486.3							
	OBS	01201	03.52	34.505	27.74		1486.3							
	OBS	01204	03.50	34.900	27.74		1486.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

REFID 31 8255		YEAR 1973	BOTOP 03564		N O D C S T A T I O N D A T A						INST STO RECORDER		TEN SQ 1536		
CONSEC 0163		MOYTH 06	SHIP EV		AIR TEMP 08.0	DIR MGT PER	WIND-DIR 05	TRACE DIR 0		5 SQUARE 2					
LAT 27.5N		DAY 15	DATA USE 1		WET 6UL6 37.0	5 5 2	WIND-SPD 43	DURATION		2 SQUARE 46					
LONG 147 35.5W		MOJR 01.5	AREA 05		BAROMETR 1004.5	SEA	WIND-FOR	ORIG 011 345		1 SQUARE 47					
CSTANUM/TIME		LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNJ VEL	DAYG	PO4	TOT P.	NO2	NO3	S103	PH
01.5	ST0	00000	06.22	33.65	26.21	00.000	1482.0								
	065	00005	06.22	33.653	26.21		1482.1								
	085	00007	06.23	33.640	26.19		1482.2								
	ST0	00010	06.24	33.64	26.19	00.018	1482.2								
	085	00011	06.24	33.650	26.20		1482.3								
	ST0	00020	06.25	33.82	26.33	00.036	1482.7								
	085	00022	06.25	33.855	26.30		1482.8								
	085	00024	06.25	33.870	26.37		1482.6								
	085	00026	06.25	34.502	26.68		1482.1								
	ST0	00030	06.28	34.65	26.79	00.051	1482.1								
	085	00030	06.28	34.660	26.80		1482.4								
	085	00036	06.30	34.655	26.65		1482.9								
	085	00038	06.19	34.500	26.87		1482.6								
	ST0	00050	06.64	34.47	27.07	00.074	1477.8								
	085	00051	06.55	34.470	27.08		1477.4								
	085	00062	06.55	34.511	27.12		1477.7								
	085	00064	06.76	34.547	27.11		1478.7								
	085	00072	07.19	34.645	27.13		1480.5								
	ST0	00075	07.25	34.65	27.13	00.058	1480.8								
	085	00076	07.27	34.655	27.13		1480.9								
	085	00081	07.24	34.645	27.13		1480.9								
	085	00085	06.64	34.547	27.13		1478.4								
	085	00087	06.90	34.617	27.15		1479.7								
	085	00095	07.36	34.675	27.14		1481.7								
	ST0	00100	07.30	34.665	27.14	00.122	1481.7								
	085	00100	07.30	34.650	27.14		1481.7								
	085	00116	07.32	34.640	27.15		1483.6								
	ST0	00125	07.21	34.67	27.15	00.146	1481.5								
	085	00125	07.22	34.670	27.15		1481.5								
	085	00135	07.22	34.660	27.14		1481.7								
	085	00140	06.94	34.630	27.16		1480.6								
	ST0	00150	07.19	34.67	27.15	00.165	1481.8								
	085	00150	07.20	34.670	27.15		1481.9								
	085	00175	07.28	34.670	27.14		1482.6								
	ST0	00200	07.52	34.74	27.19	00.216	1483.2								
	085	00203	07.39	34.762	27.20		1485.6								
	085	00220	07.52	34.507	27.23		1486.1								
	085	00224	07.58	34.810	27.24		1484.0								
	085	00228	07.41	34.830	27.25		1484.2								
	085	00230	07.35	34.810	27.25		1484.1								
	085	00236	07.65	34.850	27.26		1485.2								
	085	00239	07.56	34.830	27.25		1484.2								
	085	00245	07.26	34.824	27.26		1483.5								
	ST0	00250	06.79	34.82	27.32	00.255	1482.1								
	085	00255	06.73	34.810	27.33		1481.9								
	085	00257	06.84	34.830	27.33		1482.4								
	085	00276	06.67	34.625	27.35		1482.1								
	085	00289	06.53	34.820	27.36		1481.7								
	ST0	00300	05.23	34.61	27.36	00.298	1476.4								
	085	00304	04.90	34.560	27.36		1475.0								
	085	00325	05.50	34.770	27.45		1478.2								
	085	00350	06.00	34.666	27.47		1480.4								
	085	00352	06.45	34.557	27.48		1482.6								
	085	00355	06.12	34.583	27.47		1481.3								
	085	00365	05.75	34.830	27.47		1479.8								
	085	00382	05.52	34.800	27.56		1478.6								
	085	00397	05.07	34.820	27.55		1477.6								
	ST0	00400	05.11	34.84	27.56	00.366	1477.8								
	085	00405	05.23	34.880	27.57		1478.5								
	085	00411	05.37	34.500	27.57		1475.2								
	085	00418	04.98	34.780	27.57		1475.9								
	085	00451	04.67	34.825	27.60		1476.8								
	085	00485	04.87	34.860	27.62		1478.2								
	085	00489	04.82	34.880	27.62		1478.2								
	085	00491	04.57	34.858	27.63		1477.1								
	085	00494	04.60	34.880	27.65		1477.4								
	ST0	00500	04.64	34.85	27.65	00.420	1477.6								
	085	00503	04.64	34.886	27.65		1477.6								
	085	00506	04.44	34.870	27.66		1477.6								
	085	00514	04.57	34.85 P	27.680		1476.9								
	085	00531	04.50	34.878	27.66		1477.5								
	085	00550	04.74	34.88 P	27.630P		1477.5								
	ST0	00600	04.63	34.51	27.67	00.471	1475.3								
	085	00601	04.63	34.610	27.67		1479.3								
	085	00656	04.55	34.910	27.68		1475.9								
	085	00666	04.55	34.910	27.68		1475.5								
	085	00675	04.51	33.660	26.69		1478.4								
	085	00681	04.49	34.910	27.68		1480.0								
	ST0	00700	04.45	34.51	27.68	00.521	1480.3								
	085	00715	04.45	34.910	27.68		1480.6								
	085	00751	04.42	34.507	27.69		1480.5								
	ST0	00800	04.41	34.50	27.68	00.571	1481.7								
	085	00809	04.40	34.500	27.65		1481.8								
	085	00850	04.29	34.502	27.70		1482.0								
	ST0	00900	04.24	34.50	27.70	00.620	1482.6								
	085	00900	04.24	34.500	27.70		1482.6								
	085	00951	04.12	34.686	27.70		1482.0								
	ST0	01000	04.13	34.65	27.71	00.670	1483.8								
	085	01001	04.13	34.850	27.71		1483.8								
	ST0	01100	03.97	34.85	27.72	00.715	1484.8								
	085	01130	03.97	34.850	27.72		1484.8								
	085	01176	03.90	34.510	27.75		1485.6								
	ST0	01200	03.91	34.51	27.75	00.767	1486.3								
	085	01201	03.91	34.510	27.75		1486.3								
	085	01216	03.93	34.67 P	27.710P		1486.3								

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I D N D A T A

REFID 31 8355 YEAR 1973 BOTOP 03471 AIR TEMP 07.6 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306  
 CONSEC 0161 MONTH 06 SHIP EV WET BULB 05.5 26 4 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 44 33 N DAY 19 DATA USE 1 BAROMETR 1011.2 SEA ORURATION 2 SQUARE 46  
 LONG 047 41.5W MOJR 10.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER A2 ORIG 011 346 1 SQUARE 47

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	03.39	32.81	26.13	00.000	1461.3							
10.3	OBS	00000	03.39	32.808	26.13		1461.3							
	STD	00010	02.23	32.90	26.30	00.018	1456.6							
	STD	00020	01.32	33.00	26.44	00.035	1452.8							
	STD	00030	00.67	33.10	26.56	00.050	1450.2							
10.3	OBS	00035	00.44	32.155	26.62		1445.3							
	STD	00050	00.42	33.33	26.76	00.076	1445.7							
10.3	OBS	00065	00.41	33.463	26.87		1450.1							
	STD	00075	00.20	33.51	26.91	00.108	1449.4							
	STD	00100	- 0.17	33.61	27.02	00.136	1448.2							
10.3	OBS	00100	- 0.17	33.611	27.02		1448.2							
	STD	00125	- 0.07	33.68	27.07	00.162	1445.2							
	STD	00150	00.05	33.75	27.12	00.186	1450.2							
10.3	OBS	00195	00.27	33.875	27.21		1452.2							
10.3	OBS	00655	04.22	34.928	27.73		1478.5							
	STD	00700	04.20	34.93	27.73		1479.1							
	STD	00800	04.14	34.93	27.74		1480.6							
	STD	00900	04.05	34.93	27.74		1482.0							
	STD	01000	04.03	34.93	27.75		1483.5							
10.3	OBS	01045	04.01	34.932	27.75		1484.1							

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REFID 31 8355 YEAR 1973 BOTOP 03365 AIR TEMP 09.2 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 130A  
 CONSEC 0162 MONTH 06 SHIP EV WET BULB 07.2 34 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 44 41 N DAY 19 DATA USE 1 BAROMETR 1014.2 SEA ORURATION 2 SQUARE 46  
 LONG 047 42.5W MOJR 14.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER A2 ORIG 011 347 1 SQUARE 47

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	05.04	32.90	26.03	00.000	1468.4							
14.2	OBS	00000	05.04	32.905	26.03		1468.4							
	STD	00010	04.86	32.93	26.07	00.020	1467.9							
	STD	00020	04.69	32.96	26.12	00.035	1467.3							
	STD	00030	04.51	32.98	26.15	00.058	1466.8							
14.2	OBS	00034	04.44	32.995	26.17		1466.6							
	STD	00050	01.57	33.31	26.86	00.090	1454.9							
14.2	OBS	00063	00.16	33.515	26.93		1449.0							
	STD	00075	00.20	33.63	27.01	00.121	1449.6							
14.2	OBS	00097	00.36	33.822	27.10		1450.9							
	STD	00100	00.40	33.84	27.17	00.145	1451.2							
	STD	00125	00.81	34.01	27.28	00.166	1453.6							
	STD	00150	01.29	34.17	27.38	00.185	1456.4							
14.2	OBS	00150	02.21	34.410	27.50		1461.5							
	STD	00200	01.58	34.48	27.53	00.218	1463.4							
	STD	00250	04.00	34.75	27.61	00.245	1470.6							
14.2	OBS	00253	04.06	34.764	27.61		1471.0							
	STD	00300	04.29	34.84	27.65	00.270	1472.8							
14.2	OBS	00380	04.46	34.927	27.70		1474.9							
	STD	00400	04.40	34.93	27.71	00.316	1475.0							
	STD	00500	04.18	34.92	27.72	00.359	1475.7							
14.2	OBS	00506	04.17	34.917	27.72		1475.8							
	STD	00600	04.17	34.94	27.74	00.402	1477.4							
14.2	OBS	00636	04.14	34.943	27.75		1477.9							
	STD	00700	04.00	34.93	27.75	00.445	1478.3							
14.2	OBS	00761	03.91	34.927	27.76		1479.0							
	STD	00800	03.92	34.93	27.76	00.487	1479.6							
	STD	00900	03.93	34.94	27.77	00.525	1481.4							
	STD	01000	03.95	34.95	27.77	00.572	1483.1							
14.2	OBS	01007	03.95	34.946	27.77		1483.2							
	STD	01100	03.91	34.94	27.77	00.615	1484.6							
	STD	01200	03.83	34.94	27.78	00.659	1486.0							
14.2	OBS	01246	03.78	34.942	27.78		1486.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 0355	YEAR 1973	BOTOP 01622	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN 50 1306
CONSEC 0165	MONTH 06	SHIP EV	WET BULB 07.1	12 6 2	WIND-SPO 20	TRACE DIR	5 SQUARE 2
L&T 44 50.3N	DAY 19	DATA USE 1	BAROMETR 1017.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 347 44 W	MOJR 18.2	AREA 05	CLOUD T/A 6/3	CL/TR	WEATHER X2	ORIG 011 348	1 SQUARE 47

CASSTNOM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SHO VEL	OAYG	P04	TOT P	NO2	NO3	SIO3	PH
	STO	00000	05.98	32.99	25.99	00.000	1472.3							
18.2	OBS	00000	05.98	32.988	25.99		1472.3							
	STO	00010	05.94	32.95	25.99	00.020	1472.3							
	STO	00020	05.90	32.98	25.99	00.041	1472.3							
18.2	OBS	00028	05.87	32.980	26.00		1472.3							
	STO	00030	05.14	33.02	26.12	00.060	1469.5							
	STO	00050	00.44	33.43	26.84	00.091	1450.0							
18.2	OBS	00051	00.33	33.449	26.86		1449.5							
	STO	00075	01.71	33.85	27.10	00.119	1456.6							
18.2	OBS	00079	01.94	33.886	27.11		1457.8							
	STO	00100	00.45	33.89	27.21	00.142	1451.4							
18.2	OBS	00103	00.31	33.889	27.22		1450.9							
	STO	00125	00.50	33.99	27.28	00.163	1452.2							
	STO	00150	00.72	34.12	27.38	00.182	1455.8							
18.2	OBS	00154	00.76	34.146	27.40		1454.1							
	STO	00200	03.24	34.47	27.46	00.215	1466.2							
18.2	OBS	00205	03.45	34.504	27.47		1467.2							
	STO	00250	04.35	34.73	27.56	00.246	1472.1							
	STO	00300	04.84	34.88	27.62	00.273	1475.1							
18.2	OBS	00307	04.66	34.897	27.63		1475.4							
	STO	00400	04.02	34.86	27.69	00.321	1473.3							
18.2	OBS	00410	03.98	34.854	27.69		1473.3							
	STO	00500	04.08	34.90	27.72	00.365	1475.3							
18.2	OBS	00512	04.08	34.908	27.73		1475.5							
	STO	00600	04.04	34.91	27.74	00.406	1476.8							
18.2	OBS	00615	04.03	34.916	27.74		1477.0							
	STO	00700	04.03	34.93	27.75	00.450	1478.5							
	STO	00800	04.04	34.94	27.76	00.493	1480.2							
18.2	OBS	00824	04.04	34.942	27.76		1480.2							
	STO	00900	02.93	34.94	27.76	00.536	1481.3							
	STO	01000	03.80	34.92	27.77	00.579	1482.5							
18.2	OBS	01028	03.77	34.930	27.78		1482.8							
18.2	OBS	01040	02.56	34.946	27.81		1490.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOCC STATION DATA

REF ID: 81 8355 YEAR: 1973 BOTOP: 03078 AIR TEMP: 06.2 OIR HGT PER: WIND-OIR: 29 INST STO RECORDER: TEN SQ: 1306  
 CONSEC: 0164 MONTH: J6 SHIP EV: MET OULB: 06.1 J5 3 2 WIND-SPD: 18 TRACE OIR: 5 SQUARE: 2  
 LAT: 34 50.54 DAY: 19 DATA USE: 1 BAROMETR: 1019.2 SEA: WIND-FOR: 18 WIND-FOR: 18 DURATION: 2 SQUARE: 46  
 LONG: 127 55.54 HOUR: 22.5 AREA: 05 CLOUD T/A: CL77R WEATHER: K2 ORIG OII: 345 1 SQUARE: 47

CASINJM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND YEL	OXYG	PO4	TOT P.	NO2	NO3	SI03	PH
22.5	STO	00000	04.87	32.82	25.99	00.000	1467.6							
	OBS	00003	04.87	32.822	25.99		1467.6							
	STO	00010	04.87	32.82	25.98	00.020	1467.7							
	OBS	00011	04.87	32.816	25.98		1467.7							
	STO	00020	04.85	32.82	25.99	00.041	1467.6							
	OBS	00022	04.84	32.825	25.99		1467.8							
	OBS	00026	04.29	32.779	26.02		1465.5							
	STO	00030	03.55	32.81	26.11	00.060	1462.5							
	OBS	00030	03.26	32.813	26.14		1461.3							
	OBS	00034	- 0.54	32.824	26.40		1444.3							
	OBS	00038	- 1.34	33.084	26.63		1441.0							
	OBS	00041	- 1.44	33.153	26.69		1440.7							
	STO	00050	- 1.20	33.30	26.80	00.092	1442.2							
	OBS	00053	- 1.05	33.323	26.82		1443.0							
	OBS	00057	- 0.84	33.328	26.81		1444.0							
	OBS	00060	- 0.67	33.345	26.83		1444.0							
	OBS	00064	- 0.56	33.397	26.86		1445.5							
	STO	00075	- 0.43	33.48	26.92	00.122	1446.4							
	OBS	00076	- 0.42	33.495	26.93		1446.5							
	OBS	00079	- 0.85	33.550	26.99		1444.7							
	OBS	00087	- 0.75	33.569	27.01		1445.3							
	OBS	00091	- 0.02	33.710	27.09		1448.9							
	STO	00100	00.22	33.80	27.15	00.146	1450.3							
	OBS	00102	00.50	33.817	27.16		1450.7							
	OBS	00106	00.20	33.825	27.17		1450.3							
	OBS	00110	00.51	33.895	27.22		1451.0							
	OBS	00114	00.69	33.910	27.21		1452.8							
	OBS	00118	00.75	33.910	27.21		1452.1							
	OBS	00121	01.10	34.011	27.27		1454.9							
	STO	00125	01.16	34.07	27.31	00.169	1455.3							
	OBS	00125	01.12	34.085	27.34		1455.0							
	OBS	00125	01.56	34.175	27.33		1456.1							
	OBS	00133	02.03	34.175	27.33		1456.5							
	OBS	00137	01.37	34.153	27.36		1456.6							
	OBS	00144	01.86	34.180	27.35		1456.9							
	STO	00150	01.98	34.22	27.37	00.187	1456.6							
	OBS	00152	02.01	34.257	27.38		1459.8							
	OBS	00171	01.55	34.250	27.43		1458.1							
	OBS	00175	01.60	34.230	27.41		1458.3							
	STO	00200	02.18	34.42	27.51	00.220	1461.5							
	OBS	00201	02.22	34.431	27.52		1461.8							
	OBS	00226	02.88	34.570	27.57		1465.3							
	OBS	00235	04.13	34.740	27.59		1471.0							
	STO	00250	04.15	34.73	27.58	00.245	1471.2							
	OBS	00251	04.15	34.730	27.58		1471.3							
	OBS	00255	04.16	34.810	27.64		1471.5							
	OBS	00277	04.50	34.854	27.67		1473.4							
	OBS	00281	04.65	34.920	27.67		1474.1							
	OBS	00286	04.48	34.875	27.66		1473.5							
	STO	00300	04.55	34.67	27.64	00.274	1473.6							
	OBS	00300	04.56	34.870	27.64		1474.0							
	OBS	00350	04.74	34.900	27.67		1475.5							
	STO	00400	04.63	34.52	27.67	00.323	1476.0							
	OBS	00403	04.62	34.916	27.67		1476.0							
	OBS	00453	04.44	34.520	27.70		1476.1							
	STO	00500	04.14	34.54	27.75	00.367	1475.6							
	OBS	00502	04.13	34.540	27.75		1475.6							
	OBS	00552	04.15	34.920	27.73		1476.5							
	STO	00600	04.14	34.52	27.73	00.409	1477.3							
	OBS	00601	04.14	34.924	27.73		1477.3							
	OBS	00651	04.01	34.913	27.74		1477.5							
	STO	00700	03.93	34.54	27.77	00.451	1478.0							
	OBS	00700	03.93	34.942	27.77		1478.1							
	OBS	00750	03.91	34.526	27.76		1478.8							
	STO	00800	03.95	34.53	27.75	00.493	1475.9							
	OBS	00803	03.95	34.932	27.75		1480.0							
	OBS	00852	03.93	34.527	27.76		1480.6							
	STO	00900	03.86	34.92	27.76	00.536	1481.1							
	OBS	00902	03.86	34.522	27.76		1481.1							
	OBS	00951	03.86	34.930	27.77		1481.9							
	STO	01000	03.79	34.92	27.77	00.579	1482.4							
	OBS	01001	03.79	34.920	27.77		1482.4							
	STO	01100	03.73	34.92	27.77	00.622	1483.8							
	OBS	01100	03.73	34.920	27.77		1483.8							
	STO	01200	03.74	34.53	27.76	00.666	1485.6							
	OBS	01203	03.74	34.927	27.76		1485.6							
	STO	01300	03.70	34.54	27.79	00.709	1487.1							
	OBS	01302	03.70	34.540	27.75		1487.1							
	STO	01400	03.65	34.94	27.80	00.753	1488.6							
	OBS	01401	03.65	34.940	27.80		1488.6							
	STO	01500	03.59	34.94	27.80	00.796	1490.0							
	OBS	01500	03.59	34.940	27.80		1490.0							
	OBS	01602	03.54	34.940	27.81		1491.5							
	OBS	01701	03.45	34.940	27.82		1492.8							
	STO	01750	03.40	34.94	27.82	00.904	1493.4							
	OBS	01800	03.36	34.940	27.82		1494.1							
	OBS	01903	03.30	34.940	27.83		1495.6							
	STO	02000	03.23	34.94	27.84	01.011	1496.9							
	OBS	02002	03.23	34.940	27.84		1497.0							
	OBS	02101	03.16	34.940	27.84		1496.4							
	OBS	02200	03.09	34.940	27.85		1499.8							
	OBS	02303	03.02	34.930	27.85		1501.2							
	OBS	02402	02.93	34.930	27.86		1502.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 0055 YEAR 1973 80TOP J2019 AIR TEMP 05.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SJ 1306  
 CONSEC 0105 MONTH 06 SHIP EV WET BULB 34.7 33 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 49 50 N DAY 20 DATA USE 1 BARMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 15 W HOUR 01.7 AREA 05 CLOUD 7/A GL/TR WEATHER XJ ORIG 011 350 1 SQUARE 48

CAST./UN/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	QYN/DPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
01.7	STO	00030	04.51	32.67	26.06	00.000	1466.1							
	085	00033	04.51	32.870	26.06		1466.2							
	STO	00010	04.50	32.87	26.07	00.020	1466.3							
	085	00011	04.50	32.870	26.07		1466.3							
	STO	00020	04.51	32.87	26.06	00.039	1466.5							
	085	00022	04.51	32.870	26.06		1466.5							
	085	00026	04.49	32.870	26.07		1466.5							
	STO	00030	04.50	32.87	26.06	00.056	1466.5							
	085	00030	04.51	32.870	26.06		1466.6							
	085	00034	03.38	32.666	26.17		1461.9							
	085	00038	01.92	32.900	26.22		1455.7							
	085	00041	00.01	33.210	26.68		1447.5							
	085	00045	- 0.54	33.330	26.80		1445.2							
	STO	00050	- 0.55	33.44	26.89	00.089	1445.4							
	085	00053	- 0.55	33.510	26.95		1445.6							
	085	00068	- 0.01	33.710	27.09		1448.6							
	STO	00075	00.03	33.77	27.13	00.115	1449.0							
	085	00076	00.04	33.780	27.14		1449.0							
	STO	00100	00.44	34.01	27.30	00.137	1451.6							
	085	00102	00.58	34.020	27.31		1452.3							
	085	00110	01.07	34.040	27.29		1454.6							
	085	00116	02.06	34.180	27.33		1459.4							
	085	00121	01.39	34.160	27.37		1456.4							
	STO	00125	01.30	34.16	27.37	00.155	1456.1							
	085	00125	01.29	34.164	27.38		1456.0							
	085	00140	01.85	34.255	27.41		1458.9							
	085	00144	02.24	34.365	27.47		1460.8							
	085	00148	03.22	34.520	27.50		1465.3							
	STO	00150	03.42	34.53	27.50	00.174	1466.2							
	085	00152	03.68	34.555	27.49		1467.4							
	085	00156	04.02	34.582	27.47		1468.9							
	085	00167	03.79	34.590	27.50		1468.2							
	085	00175	03.38	34.587	27.54		1466.6							
	085	00178	03.56	34.615	27.55		1467.4							
	085	00184	04.01	34.660	27.55		1465.5							
	STO	00200	04.25	34.72	27.56	00.201	1470.8							
	085	00201	04.27	34.718	27.56		1470.9							
	085	00205	04.25	34.722	27.56		1470.9							
	085	00213	03.64	34.652	27.57		1468.4							
	085	00224	03.27	34.590	27.55		1466.9							
	085	00228	03.25	34.598	27.56		1466.9							
	085	00239	03.52	34.748	27.66		1468.4							
	085	00243	04.11	34.830	27.66		1471.1							
	085	00247	04.37	34.860	27.66		1472.3							
	STO	00250	04.34	34.86	27.66	00.227	1472.2							
	085	00266	04.06	34.833	27.67		1471.3							
	085	00274	03.89	34.800	27.66		1470.6							
	085	00277	04.20	34.870	27.68		1472.1							
	085	00289	04.29	34.870	27.67		1472.7							
	STO	00300	04.58	34.93	27.69	00.250	1474.1							
	085	00300	04.59	34.932	27.69		1474.2							
	085	00306	04.01	34.530	27.69		1474.4							
	085	00316	04.41	34.915	27.70		1475.7							
	085	00350	04.27	34.895	27.70		1475.6							
	STO	00400	04.48	34.93	27.70	00.294	1475.4							
	085	00403	04.49	34.935	27.70		1475.5							
	085	00453	04.56	34.930	27.69		1476.6							
	STO	00500	04.58	34.92	27.70	00.339	1476.6							
	085	00506	04.37	34.916	27.70		1476.6							
	085	00552	04.56	34.920	27.71		1477.4							
	STO	00600	04.27	34.93	27.72	00.385	1477.8							
	085	00601	04.27	34.927	27.72		1477.8							
	085	00651	04.34	34.938	27.72		1478.9							
	STO	00700	04.20	34.95	27.75	00.428	1475.2							
	085	00703	04.20	34.950	27.75		1479.2							
	085	00753	02.88	34.920	27.76		1478.7							
	STO	00800	03.81	34.94	27.78	00.470	1475.2							
	085	00803	03.81	34.945	27.78		1475.3							
	085	00860	03.80	34.937	27.78		1480.2							
	STO	00900	03.77	34.91	27.76	00.511	1480.7							
	085	00902	03.77	34.910	27.76		1480.7							
	085	00951	03.72	34.915	27.77		1481.3							
	STO	01000	03.77	34.92	27.77	00.554	1482.3							
	085	01001	03.77	34.920	27.77		1482.4							
	STO	01100	03.67	34.92	27.78	00.597	1483.6							
	085	01100	03.67	34.920	27.78		1483.6							
	STO	01200	03.67	34.92	27.78	00.640	1485.3							
	085	01200	03.67	34.92	27.78		1485.3							
	085	01203	03.67	34.920	27.78		1485.3							
	085	01256	03.67	34.920	27.78		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFIG 21 8:55 YEAR 1973 BOTOP 01888 AIR TEMP 05.0 DIR MGT PER #WIND-OIR 25 INST STD RECORDER TEN SQ 1504  
 CONSEC 0160 MOYIM 02 SHIP EV WET BULB 04.7 33 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 40 48 N DAY 20 DATA USE 1 BAROMETR 1022.4 SEA #WIND-FDR DURATION ORIG 011 351 2 SQUARE 48  
 LONG 148 30 W HOUR 04.3 AREA 05 CLOUD T/A CL/TR WEATHER RJ ORIG 011 351 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DRYG	P34	TOT P	NO2	NO3	S103	P4
04.3	STD	0000J	03.97	33.40	26.54	00.000	1464.6							
	DBS	00000	03.97	33.400	26.54		1464.6							
	STD	00010	02.14	33.55	26.82	00.014	1457.1							
	DBS	00010	02.14	33.550	26.82		1457.1							
	STD	00020	01.79	33.59	26.88	00.026	1455.7							
	DBS	00020	01.79	33.590	26.88		1455.7							
	STD	00030	03.85	33.71	27.04	00.037	1451.5							
	DBS	00030	03.85	33.710	27.04		1451.5							
	STD	00045	00.36	33.850	27.18		1450.1							
	DBS	00045	00.36	33.850	27.18		1450.1							
	STD	00050	03.44	33.88	27.20	00.056	1450.6							
	DBS	00050	03.44	33.880	27.20		1450.6							
	STD	00075	01.07	34.18	27.40	00.075	1454.2							
	DBS	00075	01.07	34.180	27.40		1454.2							
	STD	00100	01.62	34.25	27.45	00.092	1457.3							
	DBS	00100	01.62	34.250	27.45		1457.3							
	STD	00125	02.07	34.46	27.56	00.107	1459.9							
	DBS	00125	02.07	34.460	27.56		1459.9							
	STD	00150	02.36	34.51	27.57	00.120	1461.6							
	DBS	00150	02.36	34.510	27.57		1461.6							
	STD	00200	02.65	34.66	27.67	00.145	1463.9							
	DBS	00200	02.65	34.660	27.67		1463.9							
	STD	00250	03.44	34.79	27.70	00.167	1468.3							
	DBS	00250	03.44	34.790	27.70		1468.3							
	STD	00300	04.22	34.89	27.70	00.186	1472.6							
	DBS	00300	04.22	34.890	27.70		1472.6							
	STD	00350	04.35	34.940	27.72		1473.8							
	DBS	00350	04.35	34.940	27.72		1473.8							
	STD	00400	04.24	34.900	27.70		1473.2							
	DBS	00400	04.24	34.900	27.70		1473.2							
	STD	00450	04.31	34.950	27.72		1474.0							
	DBS	00450	04.31	34.950	27.72		1474.0							
	STD	00500	04.15	34.92	27.72	00.231	1474.1							
	DBS	00500	04.15	34.920	27.72		1474.1							
	STD	00530	04.30	34.91	27.74	00.273	1475.0							
	DBS	00530	04.30	34.910	27.74		1475.0							
	STD	00600	03.97	34.92	27.75	00.315	1476.5							
	DBS	00600	03.97	34.920	27.75		1476.5							
	STD	00630	03.82	34.91	27.75	00.357	1477.5							
	DBS	00630	03.82	34.910	27.75		1477.5							
	STD	00700	03.82	34.910	27.75		1477.5							
	DBS	00700	03.82	34.910	27.75		1477.5							
	STD	00800	03.80	34.91	27.76	00.395	1479.1							
	DBS	00800	03.80	34.910	27.76		1479.1							
	STD	00900	03.82	34.930	27.77	00.441	1480.9							
	DBS	00900	03.82	34.930	27.77		1480.9							
	STD	01000	03.77	34.93	27.78	00.483	1482.4							
	DBS	01000	03.77	34.930	27.78		1482.4							
	STD	01100	03.74	34.93	27.78	00.524	1482.9							
	DBS	01100	03.74	34.930	27.78		1482.9							
	STD	01200	03.72	34.94	27.79	00.568	1485.5							
	DBS	01200	03.72	34.940	27.79		1485.5							
	STD	01250	03.71	34.940	27.79		1486.3							
	DBS	01250	03.71	34.940	27.79		1486.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 01415 AIA TEMP 04.5 OIR HGT PER WIND-OIR 31 INST STO RECORDER TEN SQ 1506  
 CGNSEC 0267 MONTH 06 SHIP EV WET BULB 04.3 35 2 3 WIND-SPD 12 TRACE OIR 0 5 SQUARE 2  
 LAT 44 48.5N DAY 20 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 048 44.5W MOJA 06.3 AREA 05 CLOUD TRA CL/TR WEATHER XJ DRIG 011 352 1 SQUARE 48

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OATG	P34	TOT P	NO2	NO3	SIO3	PH
06.3	STO	00003	02.45	32.65	26.08	00.000	1457.0							
	OBS	00003	02.45	32.650	26.08		1457.1							
	STO	00010	02.44	32.66	26.09	00.019	1457.2							
	OBS	00011	02.43	32.660	26.09		1457.1							
	STO	00020	02.21	32.66	26.11	00.039	1456.3							
	OBS	00022	02.14	32.660	26.11		1456.1							
	STO	00030	01.52	32.68	26.15	00.058	1455.2							
	OBS	00024	01.81	32.730	26.15		1454.5							
	OBS	00045	01.58	32.964	26.40		1454.4							
	OBS	00045	01.24	33.058	26.49		1453.0							
	STO	00050	01.08	33.06	26.50	00.092	1452.3							
	OBS	00053	00.41	33.052	26.58		1448.0							
	OBS	00057	- 0.86	33.200	26.71		1443.8							
	OBS	00066	- 1.11	33.337	26.83		1443.0							
	STO	00075	- 1.11	33.35	26.84	00.126	1443.1							
	OBS	00076	- 1.10	33.349	26.84		1443.2							
	OBS	00095	- 0.78	33.505	26.96		1445.2							
	STO	00100	- 0.54	33.53	26.97	00.155	1446.4							
	OBS	00102	- 0.44	33.559	26.99		1447.0							
	OBS	00110	- 0.36	33.680	27.08		1447.6							
	OBS	00114	00.05	33.807	27.16		1449.9							
	STO	00125	00.25	33.87	27.20	00.180	1450.5							
	OBS	00125	00.26	33.870	27.20		1451.0							
	OBS	00140	00.67	34.023	27.30		1453.2							
	OBS	00144	00.62	34.070	27.33		1454.1							
	OBS	00148	01.07	34.121	27.36		1455.4							
	STO	00150	01.12	34.14	27.37	00.200	1455.6							
	OBS	00152	01.15	34.170	27.35		1456.0							
	OBS	00175	01.46	34.248	27.43		1457.6							
	OBS	00175	01.80	34.300	27.45		1459.8							
	STO	00190	02.05	34.35	27.50	00.233	1461.1							
	OBS	00191	02.25	34.402	27.50		1462.2							
	OBS	00228	02.64	34.525	27.56		1464.5							
	OBS	00236	04.13	34.740	27.59		1470.9							
	OBS	00247	04.42	34.740	27.56		1472.3							
	STO	00253	04.44	34.74	27.56	00.262	1472.3							
	OBS	00266	04.23	34.720	27.56		1471.8							
	OBS	00277	04.00	34.710	27.58		1471.3							
	STO	00300	04.06	34.72	27.58	00.250	1471.7							
	OBS	00300	04.06	34.720	27.58		1471.7							
	OBS	00354	03.52	34.733	27.64		1470.3							
	STO	00400	03.56	34.86	27.70	00.335	1473.1							
	OBS	00403	03.58	34.870	27.71		1473.2							
	OBS	00453	04.08	34.860	27.69		1474.5							
	STO	00500	04.14	34.52	27.73	00.385	1475.6							
	OBS	00502	04.14	34.520	27.73		1475.6							
	OBS	00552	04.16	34.940	27.74		1476.6							
	STO	00600	04.04	34.93	27.75	00.425	1476.8							
	OBS	00601	04.04	34.530	27.75		1476.9							
	OBS	00651	03.95	34.540	27.76		1477.9							
	STO	00700	03.95	34.94	27.77	00.466	1478.1							
	OBS	00700	03.95	34.940	27.77		1478.1							
	OBS	00750	03.91	34.540	27.77		1478.8							
	STO	00800	03.68	34.94	27.77	00.507	1475.5							
	OBS	00803	03.88	34.540	27.77		1475.5							
	OBS	00852	03.81	34.930	27.77		1480.1							
	STO	00900	03.70	34.93	27.78	00.546	1480.4							
	OBS	00902	03.70	34.530	27.78		1480.4							
	OBS	00951	03.70	34.940	27.79		1481.3							
	STO	01000	03.67	34.94	27.79	00.568	1481.9							
	OBS	01001	03.67	34.540	27.79		1482.0							
	STO	01100	03.67	34.54	27.79	00.629	1483.6							
	OBS	01100	03.67	34.540	27.79		1483.6							
	STO	01200	03.68	34.94	27.79	00.671	1485.3							
	OBS	01203	03.68	34.940	27.79		1485.4							
	OBS	01225	03.68	34.945	27.80		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355	YEAR 1973	BOTOP	AIR TEMP 04.7	DIR HGT PER	WIND-DIR 26	INST STO RECORDER	TEN SQ 1506
CONSEC 0168	MONTH 06	SHIP EV	WET BULB 04.7	32 3 3	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 44 50 N	DAY 20	DATA USE 1	BAROMETR 1024.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 045 01 W	MOJA 05-1	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG 011 353	1 SQUARE 49

CASNUM/TIME	LVLTYP	LEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PC4	TGT P	NO2	NO3	SI03	PH
39.1	STO	00000	03.13	32.51	25.91	00.000	1455.6							
	OBS	00003	03.13	32.513	25.91		1455.6							
	OBS	00007	03.09	32.524	25.93		1455.6							
	STO	00010	02.93	32.54	25.95	00.021	1459.1							
	OBS	00011	02.84	32.547	25.97		1458.8							
	OBS	00014	02.36	32.632	26.07		1456.9							
	STO	00020	02.35	32.63	26.08	00.044	1456.5							
	OBS	00022	02.32	32.637	26.06		1456.8							
	OBS	00026	02.28	32.634	26.08		1456.7							
	STO	00030	01.61	32.60	26.10	00.060	1455.7							
	OBS	00030	01.53	32.593	26.10		1453.2							
	OBS	00034	00.64	32.774	26.30		1445.7							
	OBS	00036	00.31	32.617	26.35		1446.3							
	OBS	00041	- 0.30	32.856	26.42		1445.6							
	OBS	00045	- 0.47	32.850	26.41		1444.5							
	OBS	00049	- 0.92	32.922	26.45		1443.0							
	STO	00050	- 0.96	32.63	26.50	00.065	1442.8							
	OBS	00053	- 1.18	32.983	26.55		1441.5							
	OBS	00064	- 1.65	33.117	26.67		1440.0							
	STO	00075	- 1.55	33.13	26.66	00.131	1440.5							
	OBS	00076	- 1.59	33.131	26.68		1440.5							
	STO	00100	- 1.53	33.16	26.70	00.165	1441.1							
	OBS	00102	- 1.55	33.163	26.70		1441.2							
	STO	00125	- 1.52	33.21	26.74	00.156	1441.8							
	OBS	00125	- 1.52	33.211	26.74		1441.8							
	STO	00150	- 1.41	33.23	26.76	00.231	1442.8							
	OBS	00152	- 1.40	33.240	26.76		1442.8							
	OBS	00174	- 1.35	33.308	26.61		1443.5							
	STO	00200	- 0.65	33.70	27.12	00.287	1446.5							
	OBS	00200	- 0.65	33.700	27.12		1446.9							
	OBS	00225	- 0.65	33.920	27.26		1451.3							
	STO	00250	00.90	34.10	27.35	00.329	1456.3							
	OBS	00250	00.60	34.100	27.35		1456.3							
	OBS	00275	01.35	34.270	27.46		1458.5							
	STO	00300	01.75	34.45	27.57	00.361	1461.4							
	OBS	00300	01.75	34.450	27.57		1461.4							
	OBS	00350	03.44	34.700	27.57		1472.2							
	STO	00400	03.67	34.75	27.61	00.414	1473.0							
	OBS	00400	03.67	34.750	27.61		1473.0							
	OBS	00450	03.65	34.750	27.61		1473.7							
	STO	00500	03.66	34.82	27.67	00.464	1474.6							
	OBS	00500	03.66	34.820	27.67		1474.8							
	OBS	00550	03.96	34.860	27.70		1475.7							
	STO	00600	03.56	34.62	27.75	00.505	1476.6							
	OBS	00600	03.58	34.920	27.75		1476.6							
	OBS	00650	03.58	34.940	27.76		1477.4							
	STO	00700	03.58	34.64	27.76	00.554	1478.3							
	OBS	00700	03.58	34.940	27.76		1478.3							
	OBS	00750	03.96	34.940	27.76		1479.0							
	STO	00800	03.89	34.94	27.77	00.592	1479.5							
	OBS	00800	03.89	34.940	27.77		1479.5							
	OBS	00850	03.82	34.930	27.77		1480.1							
	STO	00900	03.75	34.93	27.78	00.633	1480.6							
	OBS	00900	03.75	34.930	27.78		1480.6							
	OBS	00950	03.70	34.940	27.79		1481.2							
	STO	01000	03.67	34.94	27.79	00.674	1481.5							
	OBS	01000	03.67	34.940	27.79		1481.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOOG STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 00058 AIR TEMP 05.2 DIR HGT PER WIND-OIR 25 INST STD RECORDER TEN SW 1306  
 CONSEC 0170 MONTH 06 SHIP EV WET BULB 08.2 06 2 2 WIND-SPO 14 TRACE OIR 0 5 SQUARE 2  
 LAT 44 35 N DAY 20 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 045 15 W HOUR 14.5 CLOUD 7/A CL/TR WEATHER X1 ORIG 011 355 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.7	STO	00000	04.29	32.45	25.76	00.000	1464.7							
	OBS	00000	04.29	32.455	25.76		1464.7							
	OBS	00005	03.09	32.545	25.94		1455.8							
	STO	00010	03.00	32.55	25.95	00.022	1459.4							
	OBS	00010	03.00	32.550	25.95		1459.4							
	STO	00020	02.19	33.13	26.48	00.040	1456.9							
	OBS	00020	02.19	33.125	26.48		1456.9							
	STO	00030	- 0.36	32.54	26.48	00.055	1445.3							
	OBS	00030	- 0.36	32.540	26.48		1445.3							
	OBS	00041	- 0.42	32.950	26.49		1445.2							
	STO	00050	- 1.34	33.11	26.65	00.085	1441.3							
	OBS	00050	- 1.34	33.110	26.65		1441.3							
	OBS	00060	- 1.33	33.135	26.67		1441.5							
	STO	00075	- 1.40	33.15	26.69	00.119	1441.5							
	OBS	00080	- 1.45	33.160	26.70		1441.4							
	STO	00100	- 1.52	33.17	26.71	00.155	1441.3							
	OBS	00100	- 1.52	33.170	26.71		1441.3							
	STO	00125	- 1.52	33.18	26.72	00.186	1441.7							
	OBS	00125	- 1.52	33.180	26.72		1441.7							
	STO	00150	- 1.50	33.22	26.75	00.219	1442.3							
	OBS	00150	- 1.50	33.220	26.75		1442.3							
	OBS	00175	- 1.33	33.300	26.81		1443.6							
	OBS	00179	- 1.35	33.350	26.85		1443.7							
	STO	00200	- 0.85	33.70	27.12	00.275	1446.6							
	OBS	00200	- 0.85	33.700	27.12		1446.9							
	OBS	00225	- 0.05	33.920	27.26		1451.3							
	STO	00250	00.90	34.10	27.35	00.317	1456.3							
	OBS	00250	00.90	34.100	27.35		1456.3							
	OBS	00275	01.35	34.270	27.46		1458.9							
	STO	00300	01.75	34.45	27.57	00.349	1461.4							
	OBS	00300	01.75	34.450	27.57		1461.4							
	OBS	00350	03.59	34.700	27.57		1472.2							
	STO	00400	03.97	34.75	27.61	00.402	1473.0							
	OBS	00400	03.97	34.750	27.61		1473.0							
	OBS	00450	03.95	34.750	27.61		1473.7							
	STO	00500	03.98	34.82	27.67	00.453	1474.8							
	OBS	00500	03.98	34.820	27.67		1474.8							
	OBS	00550	03.98	34.860	27.70		1475.7							
	STO	00600	03.98	34.92	27.75	00.498	1476.6							
	OBS	00600	03.98	34.920	27.75		1476.6							
	OBS	00650	03.98	34.940	27.76		1477.4							
	STO	00700	03.98	34.94	27.76	00.539	1478.3							
	OBS	00700	03.98	34.940	27.76		1478.3							
	OBS	00750	03.96	34.940	27.76		1479.0							
	STO	00800	03.89	34.94	27.77	00.580	1479.5							
	OBS	00800	03.89	34.940	27.77		1479.5							
	OBS	00850	03.62	34.930	27.77		1480.1							
	STO	00900	03.75	34.93	27.78	00.622	1480.6							
	OBS	00900	03.75	34.930	27.78		1480.6							
	OBS	00950	03.70	34.940	27.79		1481.2							
	STO	01000	03.67	34.94	27.79	00.662	1481.9							
	OBS	01000	03.67	34.940	27.79		1481.9							

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REFID 31 8355 YEAR 1973 BOTOP 00058 AIR TEMP 05.8 DIR HGT PER WIND-OIR 24 INST STD RECORDER TEN SW 1306  
 CONSEC 0170 MONTH 06 SHIP EV WET BULB 08.2 06 2 2 WIND-SPO 14 TRACE OIR 0 5 SQUARE 2  
 LAT 44 35 N DAY 20 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 045 15 W HOUR 14.5 CLOUD 7/A CL/TR WEATHER X1 ORIG 011 355 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.5	STO	00000	03.75	32.52	25.86	00.000	1462.6							
	OBS	00000	03.75	32.520	25.86		1462.7							
	STO	00010	03.44	32.53	25.89	00.021	1461.5							
	OBS	00011	03.44	32.525	25.90		1461.3							
	STO	00020	03.40	32.54	25.91	00.042	1461.3							
	OBS	00022	03.34	32.538	25.92		1461.1							
	OBS	00020	03.23	32.541	25.93		1460.7							
	STO	00030	02.90	32.61	26.01	00.063	1459.4							
	OBS	00030	02.87	32.619	26.02		1459.3							
	OBS	00034	02.76	32.670	26.07		1459.0							
	OBS	00038	01.68	32.837	26.29		1454.5							
	OBS	00041	- 0.04	33.138	26.63		1447.2							
	OBS	00049	- 0.17	33.216	26.70		1446.8							
	STO	00050	- 0.17	33.21	26.70	00.057	1446.8							
	OBS	00053	- 0.18	33.210	26.69		1446.9							
	OBS	00057	- 0.17	33.210	26.69		1447.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8355	YEAR 1973	BOTOP 00286	AIR TEMP	OIR HGT PER	WIND-OIR 22	INST SIO RECORDER	TEN SQ 1306
CGASEC 0171	MONTH 06	SHIP EV	WET BULB	22 2 2	WIND-SPD 14	TRACE OIR 0	5 SQUARE 2
LAT 44 55 N	DAY 20	DATA USE 1	BAROMETR 1024.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 02 W	MOJA 15.9	AREA 05	CLOUD T/A	CL/TK	WEATHER X0	ORIG 011 356	1 SQUARE 45

CASSTNUM/TIME	LVL TYP	CEPIM	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
15.5	STD	00000	02.40	32.65	26.08	00.000	1426.8							
	065	00005	02.40	32.647	26.08		1426.9							
	STD	00010	02.1A	32.62	26.08	00.015	1426.0							
	085	0001A	02.13	32.615	26.08		1425.8							
	085	00015	02.00	32.642	26.11		1425.3							
	085	00019	01.65	32.624	26.12		1425.8							
	STD	00020	01.25	32.64	26.16	00.038	1425.0							
	085	00022	00.26	32.704	26.26		1447.7							
	STD	00030	- 1.28	32.99	26.55	00.055	1441.0							
	065	00030	- 1.35	33.002	26.57		1440.7							
	065	00041	- 1.64	33.135	26.68		1429.7							
	STD	00050	- 1.58	33.18	26.72	00.063	1440.2							
	085	00053	- 1.56	33.201	26.73		1440.4							
	STD	00075	- 1.41	33.26	26.79	00.116	1441.6							
	065	00076	- 1.40	33.260	26.74		1441.6							
	STD	00100	- 1.12	33.41	26.89	00.146	1443.5							
	065	00102	- 1.05	33.417	26.90		1443.7							
	STD	00125	- 0.68	33.45	26.95	00.175	1445.2							
	065	00125	- 0.88	33.453	26.95		1445.2							
	STD	00150	- 0.78	33.54	26.98	00.202	1446.1							
	085	00152	- 0.75	33.552	26.99		1446.3							
	085	00175	- 0.29	33.732	27.12		1445.1							
	085	00182	00.31	33.896	27.22		1452.2							
	STD	00200	00.30	33.91	27.23	00.250	1452.4							
	085	00201	00.30	33.908	27.23		1452.5							
	085	00228	00.28	33.902	27.23		1452.8							
	STD	00250	01.25	34.16	27.31	00.285	1457.9							
	085	00251	01.30	34.177	27.35		1458.2							
	045	00262	01.75	34.360	27.50		1460.6							
	085	00266	02.21	34.440	27.53		1462.8							
085	00277	02.61	34.558	27.55		1464.9								
085	00285	02.75	34.579	27.59		1465.7								

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N Q D C S T A T I O N D A T A

REFID 31 4555 YEAR 1973 BQTOP J1823 AIR TEMP 08.7 DIR HGT PER WIND-DIA 24 INST STD RECORDER TEN SD 1504  
 CONSEC 0172 MONTH 06 SHIP EV WET BULB 07.8 01 2 2 WIND-SPD 15 TRACE OTR 5 SQUARE 2  
 LAT 4 34.5N DAY 20 DATA USE 1 BAROMETR i024.9 SEA DURATION 2 SQUARE 48  
 LONG 048 47 W HOUR 17.1 AREA 05 CLOUD 7/A CL/TR WEATHER X1 ORIG D11 357 1 SQUARE 48

CASSTN/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP7M	SNJ VEL	OKYG	PO4	TOT P	NO2	NO3	STO3	PH
17.1	STD	00000	02.64	32.85	26.23	00.000	1458.1							
	OBS	00033	02.64	32.855	26.23		1458.2							
	STD	00010	02.61	32.86	26.24	00.018	1458.2							
	OBS	00011	02.60	32.866	26.24		1458.2							
	STD	00020	02.53	32.87	26.24	00.036	1458.3							
	OBS	00022	02.51	32.865	26.25		1458.0							
	STD	00030	02.45	32.86	26.24	00.054	1457.8							
	OBS	00030	02.44	32.856	26.25		1457.8							
	OBS	00034	02.33	32.871	26.27		1457.4							
	OBS	00038	01.27	33.141	26.56		1453.1							
	OBS	00045	01.09	33.376	26.76		1452.7							
	OBS	00049	00.18	33.382	26.81		1448.7							
	STD	00050	00.17	33.39	26.82	00.064	1448.7							
	OBS	00053	00.10	33.438	26.86		1448.5							
	STD	00075	- 0.30	33.55	26.97	00.115	1447.1							
	OBS	00076	- 0.33	33.553	26.98		1447.0							
	OBS	00079	- 0.44	33.553	26.98		1446.6							
	OBS	00095	- 0.26	33.730	27.12		1447.9							
	STD	00100	00.08	33.79	27.15	00.136	1449.6							
	OBS	00102	00.30	33.835	27.17		1450.7							
	OBS	00110	00.99	33.995	27.26		1454.2							
	STD	00125	01.11	34.06	27.31	00.156	1455.1							
	OBS	00125	01.15	34.073	27.31		1455.3							
	OBS	00129	01.47	34.165	27.36		1456.9							
	OBS	00140	01.69	34.175	27.36		1458.1							
	OBS	00144	01.83	34.263	27.42		1456.8							
	OBS	00148	02.09	34.345	27.46		1460.2							
	STD	00150	02.14	34.35	27.46	00.177	1460.4							
	OBS	00151	02.21	34.353	27.46		1460.8							
	OBS	00159	02.47	34.430	27.47		1462.1							
	OBS	00175	03.14	34.515	27.51		1465.4							
	STD	00200	03.36	34.58	27.54	00.207	1466.9							
	OBS	00201	03.40	34.584	27.54		1467.1							
	OBS	00205	03.46	34.590	27.53		1467.5							
	OBS	00228	03.53	34.700	27.62		1468.2							
	OBS	00232	03.70	34.720	27.62		1469.0							
	OBS	00236	04.28	34.837	27.65		1471.7							
	STD	00250	04.57	34.89	27.65	00.234	1473.2							
	OBS	00251	04.59	34.888	27.65		1473.3							
	OBS	00277	04.44	34.855	27.65		1473.1							
	STD	00300	04.39	34.86	27.65	00.258	1473.3							
	OBS	00300	04.39	34.860	27.65		1473.3							
	OBS	00350	04.06	34.865	27.69		1472.7							
	STD	00400	04.06	34.87	27.70	00.304	1473.5							
	OBS	00403	04.07	34.877	27.70		1473.6							
	OBS	00453	04.29	34.938	27.73		1475.5							
	STD	00500	04.21	34.93	27.73	00.347	1475.9							
	OBS	00502	04.23	34.934	27.73		1475.9							
	OBS	00552	04.03	34.933	27.75		1476.0							
	STD	00600	04.02	34.94	27.76	00.388	1476.8							
	OBS	00601	04.02	34.940	27.76		1476.8							
	OBS	00651	03.93	34.940	27.77		1477.2							
	STD	00700	03.90	34.94	27.77	00.429	1477.9							
	OBS	00700	03.90	34.940	27.77		1477.9							
	OBS	00750	03.84	34.940	27.78		1478.5							
	STD	00800	03.78	34.94	27.78	00.469	1479.1							
	OBS	00800	03.78	34.940	27.78		1479.1							
	OBS	00852	03.76	34.940	27.76		1479.9							
	STD	00900	03.74	34.94	27.79	00.509	1480.6							
	OBS	00902	03.74	34.940	27.79		1480.6							
	OBS	00951	03.73	34.940	27.79		1481.4							
	STD	01000	03.71	34.94	27.79	00.550	1482.1							
	OBS	01001	03.71	34.936	27.79		1482.1							
	STD	01100	03.72	34.94	27.79	00.591	1483.8							
	OBS	01100	03.72	34.940	27.79		1483.8							
	STD	01200	03.68	34.94	27.79	00.633	1485.3							
	OBS	01200	03.68	34.940	27.79		1485.4							
	OBS	01225	03.68	34.941	27.79		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8333 YEAR 1973 BOTOP 02725 AIR TEMP 07.0 DIR MGT PER WIND-OIR 26 INST STO RECORDER TEM SO 1306  
 COMSEC 0173 MONTH 06 SHIP EV MET BULB 06.3 27 2 4 WIND-SPO 13 TRACE OIR 0 5 SQUARE 2  
 LAT 44 32.7N DAY 20 DATA USE 1 BARDMETR 1023.1 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 46  
 LONG 148 30 W HOUR 19:5 AREA 05 CLOUD T/A CL/TR WEATHER A1 GRID O11 358 1 SQUARE 48

CASSTN/M/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.5	STO	00000	05.34	32.87	25.97	00.000	1465.6							
	085	00000	05.34	32.870	25.97		1469.6							
	085	00007	05.28	32.860	25.97		1465.4							
	STO	00010	04.87	32.83	25.55	00.020	1467.7							
	085	00011	04.69	32.824	26.01		1467.0							
	085	00015	04.43	32.863	26.07		1466.0							
	STO	00020	04.40	32.86	26.07	00.040	1466.0							
	085	00022	04.36	32.866	26.07		1466.0							
	STO	00030	04.30	33.00	26.19	00.059	1465.9							
	085	00030	04.28	33.313	26.20		1465.5							
	STO	00050	02.32	33.60	26.85	00.090	1466.6							
	085	00055	02.07	33.675	26.93		1457.6							
	STO	00075	01.06	33.99	27.25	00.115	1453.9							
	085	00076	01.04	34.305	27.27		1453.9							
	STO	00100	01.46	34.23	27.42	00.134	1456.4							
	085	00102	01.52	34.252	27.43		1456.8							
	STO	00125	02.14	34.38	27.68	00.150	1460.2							
	085	00125	02.16	34.380	27.68		1460.2							
	STO	00150	02.63	34.56	27.59	00.164	1464.5							
	085	00152	02.93	34.550	27.55		1464.5							
	085	00159	03.29	34.562	27.55		1465.9							
	085	00175	03.25	34.650	27.60		1466.1							
	085	00194	03.41	34.730	27.65		1467.2							
	085	00196	03.68	34.763	27.67		1468.5							
	STO	00200	03.63	34.60	27.67	00.166	1465.2							
	085	00200	04.37	34.665	27.66		1471.7							
	085	00226	04.54	34.400	27.64		1472.6							
	STO	00250	04.49	34.53	27.70	00.211	1472.4							
	085	00251	04.49	34.525	27.70		1472.4							
	085	00277	04.47	34.525	27.70		1473.5							
	STO	00300	04.37	34.92	27.71	00.232	1473.3							
	085	00300	04.37	34.924	27.71		1473.3							
	085	00350	04.25	34.548	27.74		1473.6							
	STO	00400	04.18	34.92	27.73	00.275	1474.1							
	085	00405	04.18	34.920	27.73		1474.2							
	085	00453	04.15	34.915	27.72		1474.8							
	STO	00500	04.33	34.95	27.76	00.316	1475.1							
	085	00502	04.02	34.946	27.76		1475.2							
	085	00552	03.93	34.540	27.77		1475.6							
	STO	00600	03.90	34.54	27.77	00.355	1476.3							
	085	00601	03.50	34.940	27.77		1476.3							
	085	00651	03.81	34.530	27.77		1476.7							
	STO	00700	03.75	34.94	27.78	00.394	1477.5							
	085	00700	03.79	34.540	27.78		1477.5							
	085	00750	03.75	34.940	27.79		1476.1							
	STO	00800	03.74	34.94	27.79	00.434	1478.6							
	085	00805	03.74	34.540	27.75		1475.0							
	085	00852	03.72	34.540	27.75		1479.7							
	STO	00900	03.71	34.94	27.79	00.473	1480.4							
	085	00900	03.71	34.940	27.79		1480.5							
	085	00951	03.70	34.942	27.75		1481.3							
	STO	01000	03.69	34.95	27.80	00.515	1482.0							
	085	01001	03.69	34.550	27.80		1482.1							
	STO	01100	03.66	34.94	27.80	00.555	1482.0							
	085	01100	03.66	34.51 P	27.770*									
	STO	01200	03.70	34.95	27.79	00.595	1485.4							
	085	01205	03.70	34.953	27.79		1485.5							
	085	01225	03.72	34.540	27.79		1485.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

U S C G C S T A T I O N O A T A

REFID 31 8555	YEAR 1973	BOATOP 01423	AIR TEMP 08.1	DIR MGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0174	MONTH 06	SHIP EV	WET BULB 07.0	32 2 7	WIND-SPO 08	TRACE DIR 0	5 SQUARE 2
LAT 35 N	DAY 20	DATA USE 1	BAROMETR 1025.3	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 148 23.5W	MOJR 21.9	AREA 05	CLOUD T/A	CL/TR	WEATHER A3	ORIG 011 359	1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STD	00000	05.01	32.85	25.96	00.000	1470.7							
21.5	OBS	00000	05.01	32.850	25.96		1470.7							
	STD	00010	05.31	32.82	25.94	00.021	1469.5							
	OBS	00010	05.31	32.820	25.94		1469.5							
	STD	00020	04.59	32.85	26.03	00.041	1468.5							
	OBS	00020	04.59	32.850	26.03		1468.5							
	STD	00030	04.59	32.88	26.06	00.061	1467.0							
	OBS	00030	04.59	32.880	26.06		1467.0							
	OBS	00040	04.22	33.150	26.32		1466.0							
	STD	00050	01.49	33.05	26.95	00.092	1455.0							
	OBS	00050	01.49	33.050	26.95		1455.0							
	OBS	00070	00.35	33.850	27.21		1450.5							
	STD	00075	02.36	33.97	27.28	00.115	1450.7							
	OBS	00075	02.36	33.970	27.28		1450.7							
	STD	00100	01.04	34.15	27.38	00.134	1454.5							
	OBS	00100	01.04	34.150	27.38		1454.5							
	STD	00125	02.07	34.37	27.46	00.151	1459.8							
	OBS	00125	02.07	34.370	27.46		1459.8							
	STD	00150	02.64	34.49	27.53	00.166	1462.8							
	OBS	00150	02.64	34.490	27.53		1462.8							
	OBS	00170	02.36	34.490	27.56		1461.5							
	OBS	00185	02.37	34.530	27.59		1462.3							
	STD	00200	02.56	34.56	27.61	00.195	1463.4							
	OBS	00200	02.56	34.560	27.61		1463.4							
	STD	00250	03.49	34.78	27.68	00.216	1468.5							
	OBS	00250	03.49	34.780	27.68		1468.5							
	OBS	00270	04.07	34.850	27.68		1471.4							
	OBS	00290	04.11	34.860	27.68		1471.9							
	STD	00300	04.16	34.85	27.70	00.238	1472.3							
	OBS	00300	04.16	34.850	27.70		1472.3							
	OBS	00350	04.35	34.910	27.70		1474.0							
	OBS	00380	04.26	34.910	27.71		1474.1							
	STD	00400	04.30	34.93	27.72	00.281	1474.6							
	OBS	00400	04.30	34.930	27.72		1474.6							
	OBS	00440	04.21	34.930	27.75		1474.9							
	OBS	00450	04.30	34.950	27.74		1476.1							
	STD	00500	04.27	34.95	27.74	00.323	1476.2							
	OBS	00500	04.27	34.950	27.74		1476.2							
	OBS	00510	04.22	34.950	27.74		1476.1							
	STD	00600	04.17	34.95	27.75	00.365	1477.4							
	OBS	00600	04.17	34.950	27.75		1477.4							
	STD	00700	04.03	34.94	27.76	00.407	1478.5							
	OBS	00700	04.03	34.940	27.76		1478.5							
	OBS	00713	03.57	34.940	27.76		1478.4							
	OBS	00785	03.96	34.930	27.76		1475.6							
	STD	00800	03.85	34.92	27.76	00.449	1475.3							
	OBS	00800	03.85	34.920	27.76		1475.3							
	OBS	00820	03.78	34.920	27.77		1475.4							
	STD	00900	03.79	34.92	27.77	00.491	1480.8							
	OBS	00900	03.79	34.920	27.77		1480.8							
	OBS	00920	03.74	34.920	27.77		1480.5							
	OBS	00945	03.74	34.940	27.79		1481.3							
	STD	01000	03.66	34.95	27.78	00.553	1482.8							
	OBS	01000	03.66	34.950	27.78		1482.8							
	STD	01100	03.84	34.95	27.78	00.575	1484.3							
	OBS	01100	03.84	34.950	27.78		1484.3							
	STD	01200	03.76	34.95	27.79	00.618	1485.7							
	OBS	01200	03.76	34.950	27.79		1485.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 01 0255 YEAR 1973 BJTOP 00230 AIR TEMP 06.2 DIR MGT PER WIND-DIR 26 INST STO RECORDER TEN SG 1306  
 CONSEC 0175 MONTH 06 SHIP EV WET 05.5 03 2 6 WIND-SPD 10 TRACE DIR 5 SJWAKE 2  
 LAT 44 37 N OAT 21 DATA USE 1 BAROMETER 1025.4 SEA WIND-FOR DURATION 2 SJWAKE 48  
 LONG 048 11 W HOJR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER XJ ORIG 011 360 1 SJWAKE 48

CAS/NO/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OAYG	PD4	TOT P.	MD2	NO3	SI03	PH
00.1	STO	00000	05.47	32.88	25.95	00.000	1470.1							
	OBS	00005	05.47	32.880	25.95		1470.2							
	STO	00010	05.47	32.88	25.95	00.021	1470.3							
	OBS	00011	05.47	32.855	25.95		1470.3							
	OBS	00015	05.40	32.844	25.95		1470.0							
	STO	00020	05.05	32.84	25.98	00.041	1468.9							
	OBS	00022	04.96	32.845	26.00		1468.5							
	STO	00030	04.82	32.83	26.00	00.061	1467.5							
	OBS	00030	04.77	32.824	26.00		1467.7							
	OBS	00034	04.20	32.756	26.04		1465.3							
	OBS	00038	02.15	32.794	26.14		1460.9							
	OBS	00041	01.16	32.130	26.26		1454.7							
	OBS	00044	00.36	32.347	26.78		1444.6							
	STO	00050	00.35	32.35	26.78	00.054	1444.4							
	OBS	00051	00.00	32.255	26.75		1440.8							
	STO	00075	-0.16	32.45	27.04	00.125	1447.5							
	OBS	00076	-0.00	32.448	27.05		1447.8							
	OBS	00079	-0.54	33.645	27.05		1447.2							
	OBS	00087	00.20	33.747	27.11		1445.5							
	OBS	00095	00.34	33.878	27.20		1450.5							
	OBS	00099	00.81	33.855	27.19		1453.1							
	STO	00100	00.77	33.90	27.20	00.147	1452.9							
	OBS	00102	00.87	33.901	27.20		1452.5							
	STO	00125	00.66	34.03	27.31	00.168	1453.0							
	OBS	00125	00.66	34.030	27.31		1453.0							
	OBS	00140	01.33	34.127	27.34		1450.4							
	OBS	00144	00.98	34.112	27.35		1454.9							
	STO	00150	01.06	34.15	27.38	00.186	1455.4							
	OBS	00152	01.10	34.170	27.39		1455.6							
	OBS	00175	01.54	34.387	27.31		1460.0							
	OBS	00178	02.12	34.418	27.52		1460.5							
	OBS	00186	02.85	34.357	27.57		1464.4							
	OBS	00190	02.83	34.358	27.57		1464.4							
	OBS	00194	03.43	34.688	27.62		1467.3							
	STO	00200	03.50	34.70	27.62	00.216	1467.6							
	OBS	00204	03.50	34.716	27.63		1467.5							
	OBS	00228	03.80	34.722	27.61		1465.4							
	OBS	00247	04.14	34.806	27.64		1471.3							
	STO	00250	04.12	34.82	27.65	00.244	1471.2							
	OBS	00251	04.11	34.850	27.66		1471.2							
	OBS	00277	04.50	34.920	27.69		1475.4							
	STO	00300	04.38	34.92	27.71	00.263	1473.3							
	OBS	00300	04.38	34.923	27.71		1473.3							
	OBS	00308	04.36	34.917	27.70		1473.4							
	OBS	00315	04.24	34.910	27.71		1473.0							
	OBS	00350	04.35	34.920	27.71		1474.0							
	STO	00400	04.35	34.94	27.72	00.306	1474.8							
	OBS	00403	04.35	34.938	27.72		1474.9							
	OBS	00453	04.19	34.925	27.73		1475.0							
	STO	00500	04.11	34.95	27.74	00.348	1475.5							
	OBS	00502	04.11	34.928	27.74		1475.5							
	OBS	00552	04.10	34.925	27.74		1476.3							
	STO	00600	04.14	34.92	27.73	00.351	1477.2							
	OBS	00601	04.14	34.924	27.73		1477.3							
	OBS	00651	04.04	34.944	27.76		1477.7							
	STO	00700	04.10	34.92	27.74	00.434	1478.7							
	OBS	00700	04.10	34.922	27.74		1478.7							
	OBS	00750	04.02	34.920	27.74		1479.2							
	STO	00800	03.43	34.91	27.74	00.478	1479.7							
	OBS	00804	03.43	34.94 P	27.77 Q									
	OBS	00852	03.95	34.910	27.74		1480.6							
	STO	00900	03.95	34.92	27.75	00.522	1481.4							
	OBS	00902	03.65	34.917	27.75		1481.5							
	OBS	00931	03.92	34.920	27.75		1482.2							
	STO	01000	03.52	34.92	27.76	00.567	1483.0							
	OBS	01001	03.52	34.925	27.76		1483.0							
	STO	01100	03.84	34.92	27.76	00.611	1484.3							
	OBS	01100	03.84	34.920	27.76		1484.3							
	STO	01200	03.79	34.92	27.77	00.656	1483.8							
	OBS	01203	03.75	34.920	27.77		1483.8							
	OBS	01241	03.75	34.920	27.77		1486.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N D A T A

REFID 81 0355 YEAR 1973 BOTDP 03401 AIR TEMP 06.0 OIR HGT PER WIND-OIR 24 INST STO RECORDER TEN 50 1006  
 CONSEC 0176 MONTH 06 SHIP EV WET BULB 06.0 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 44 25.5N DAY 21 DATA USE 1 BAROMETER 1025.4 SEA WIND-FOR DJRATION 2 SQUARE 46  
 LONG 047 58.5W HOUR 02.4 AREA 05 CLOUD 7/A CL/TR WEATHER A4 ORIG 011 361 1 SQUARE 47

CASSTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOP7M	SNO VEL	OXYG	P34	TOT P	N02	N03	SIG3	P4
02.4	STO	00000	05.84	32.86	25.91	00.000	1471.6							
	OBS	00005	05.84	32.860	25.91		1471.7							
	STO	00010	06.74	32.77	25.96	00.021	1467.1							
	OBS	00011	04.58	32.766	25.97		1468.5							
	OBS	00015	04.30	32.800	26.03		1465.4							
	STO	00020	04.10	32.83	26.07	00.041	1465.0							
	OBS	00022	04.06	32.848	26.09		1464.6							
	STO	00030	03.73	32.87	26.14	00.060	1463.3							
	OBS	00030	03.69	32.875	26.15		1463.2							
	OBS	00034	03.36	32.902	26.20		1461.9							
	OBS	00049	01.02	33.349	26.74		1452.4							
	STO	00050	01.00	33.35	26.74	00.092	1452.4							
	OBS	00053	00.84	33.344	26.75		1451.7							
	STO	00075	- 0.32	33.44	26.91	00.123	1447.0							
	OBS	00076	- 0.33	33.487	26.92		1446.9							
	OBS	00087	- 0.19	33.608	27.01		1447.9							
	OBS	00091	00.30	33.743	27.10		1450.4							
	OBS	00095	00.47	33.793	27.13		1451.3							
	STO	00100	00.38	33.80	27.14	00.149	1451.0							
	OBS	00102	00.32	33.608	27.15		1450.8							
	OBS	00110	00.66	33.886	27.19		1452.6							
	STO	00125	00.76	33.89	27.19	00.172	1453.4							
	OBS	00125	00.76	33.890	27.19		1453.4							
	OBS	00140	01.00	33.990	27.26		1454.8							
	OBS	00148	01.42	34.124	27.34		1456.9							
	STO	00150	01.47	34.13	27.34	00.192	1457.2							
	OBS	00152	01.54	34.143	27.34		1457.6							
	OBS	00175	02.08	34.375	27.49		1460.6							
	STO	00200	02.65	34.52	27.55	00.225	1463.7							
	OBS	00201	02.69	34.530	27.56		1464.0							
	OBS	00228	03.25	34.700	27.64		1467.0							
	STO	00250	03.78	34.82	27.69	00.250	1469.8							
	OBS	00251	03.80	34.822	27.69		1469.9							
	OBS	00277	03.92	34.860	27.70		1470.9							
	STO	00300	03.95	34.85	27.70	00.272	1471.4							
	OBS	00300	03.95	34.652	27.70		1471.4							
	OBS	00350	04.14	34.938	27.74		1473.1							
	STO	00400	04.12	34.92	27.73	00.314	1473.9							
	OBS	00403	04.12	34.923	27.73		1473.9							
	OBS	00453	04.08	34.937	27.75		1474.5							
	STO	00500	04.01	34.91	27.74	00.356	1475.0							
	OBS	00502	04.01	34.910	27.74		1475.1							
	OBS	00552	04.01	34.932	27.75		1475.9							
	STO	00600	04.03	34.93	27.75	00.397	1476.8							
	OBS	00601	04.03	34.930	27.75		1476.8							
	OBS	00651	03.88	34.918	27.76		1477.0							
	STO	00700	03.95	34.94	27.77	00.439	1478.1							
	OBS	00700	03.95	34.940	27.77		1478.1							
	OBS	00750	03.98	34.934	27.76		1479.1							
	STO	00800	03.98	34.92	27.75	00.481	1479.9							
	OBS	00809	03.98	34.920	27.75		1479.9							
	OBS	00852	03.92	34.910	27.74		1480.5							
	STO	00900	03.81	34.93	27.77	00.524	1483.9							
	OBS	00902	03.81	34.930	27.77		1480.9							
	OBS	00951	03.76	34.930	27.78		1481.5							
	STO	01000	03.78	34.94	27.78	00.565	1482.4							
	OBS	01001	03.78	34.940	27.78		1482.4							
	STO	01100	03.76	34.94	27.79	00.607	1484.0							
	OBS	01100	03.76	34.942	27.79		1484.0							
	STO	01200	03.73	34.94	27.79	00.650	1485.5							
	OBS	01203	03.73	34.937	27.79		1485.6							
	OBS	01237	03.72	34.936	27.77		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D L S T A T I O N O A T A

REFID 31 8555	YEAR 1973	BOTOP 0344	AIR TEMP 04.9	DIR HGT PEK	WIND-DIR 32	INST STO RECDROER	TEN SW 1336
CONSLL 0177	MONTH 06	SHIP EV	WET BULD 04.9		WIND-SPO 13	TRACE DIR 0	5 SQUARE 2
LAT 44 21 N	DAY 21	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 56.54	HOOR 05.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 562	1 SQUARE 47

CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OAYG	PC4	TOT P	NO2	NO3	SD3	PH
05.2	ST0	00000	06.06	33.09	26.06	00.000	1472.8							
	OBS	00003	06.06	33.094	26.06		1472.9							
	ST0	00010	06.17	33.12	26.07	00.020	1473.4							
	OBS	00011	06.16	33.127	26.07		1473.5							
	OBS	00015	06.19	33.130	26.07		1473.6							
	OBS	00019	07.18	33.780	26.46		1478.5							
	ST0	00023	07.71	34.05	26.55	00.037	1480.9							
	OBS	00022	06.80	34.607	26.85		1480.0							
	OBS	00026	09.60	34.858	26.93		1485.2							
	ST0	00030	04.63	34.88	26.54	00.049	1485.4							
	OBS	00030	05.63	34.884	26.54		1485.4							
	OBS	00038	04.72	34.933	26.57		1485.9							
	OBS	00041	10.00	35.036	27.00		1491.1							
	OBS	00046	05.59	35.033	27.00		1491.2							
	ST0	00050	10.00	35.04	27.00	00.072	1491.4							
	OBS	00053	10.19	35.066	27.01		1492.1							
	OBS	00060	05.74	35.032	27.04		1490.5							
	OBS	00064	10.51	35.215	27.05		1493.6							
	OBS	00066	10.51	35.205	27.04		1493.6							
	ST0	00075	08.98	34.69	27.05	00.090	1487.7							
	OBS	00076	08.79	34.851	27.05		1487.0							
	OBS	00095	08.38	34.860	27.10		1486.5							
	OBS	00099	07.84	34.713	27.09		1483.6							
	ST0	00100	07.80	34.72	27.10	00.123	1483.6							
	OBS	00102	07.83	34.727	27.11		1483.6							
	OBS	00110	07.57	34.743	27.10		1484.3							
	OBS	00118	08.68	34.953	27.15		1467.4							
	ST0	00125	08.78	34.94	27.13	00.146	1487.8							
	OBS	00125	08.76	34.939	27.13		1467.9							
	OBS	00137	08.61	34.940	27.15		1467.4							
	OBS	00148	06.91	35.003	27.15		1488.0							
	ST0	00150	08.82	34.98	27.15	00.172	1488.4							
	OBS	00152	08.69	34.940	27.14		1488.0							
	OBS	00163	08.43	34.883	27.14		1487.1							
	OBS	00171	07.84	34.840	27.19		1464.9							
	OBS	00176	07.01	34.680	27.14		1461.6							
	OBS	00182	06.96	34.670	27.19		1461.5							
	ST0	00200	06.23	34.93	27.17	00.219	1478.6							
	OBS	00201	06.13	34.924	27.18		1478.3							
	OBS	00209	05.69	34.950	27.24		1476.6							
	OBS	00213	06.04	34.985	27.24		1478.2							
	OBS	00228	05.75	34.957	27.26		1477.2							
	OBS	00236	05.69	34.950	27.24		1477.1							
	ST0	00250	06.10	34.99	27.24	00.264	1479.2							
	OBS	00258	05.86	34.974	27.25		1478.3							
	OBS	00277	04.92	34.930	27.33		1474.6							
	OBS	00285	04.77	34.910	27.33		1474.1							
	ST0	00300	04.90	34.96	27.36	00.305	1475.0							
	OBS	00304	04.94	34.970	27.36		1475.2							
	OBS	00306	04.86	34.970	27.37		1475.0							
	OBS	00309	03.49	34.916	27.48		1465.6							
	OBS	00357	03.34	34.495	27.47		1469.3							
	OBS	00365	02.53	34.422	27.45		1465.8							
	OBS	00376	03.39	34.537	27.50		1469.9							
	OBS	00384	03.22	34.510	27.50		1464.2							
	OBS	00392	03.35	34.560	27.52		1470.0							
	ST0	00400	03.16	34.53	27.52	00.373	1469.2							
	OBS	00407	03.00	34.520	27.52		1468.7							
	OBS	00411	02.63	34.520	27.53		1468.4							
	OBS	00415	03.24	34.590	27.56		1469.9							
	OBS	00453	03.26	34.695	27.64		1470.9							
	ST0	00500	03.90	34.84	27.69	00.427	1474.4							
	OBS	00502	03.92	34.840	27.69		1474.6							
	OBS	00552	04.16	34.855	27.68		1476.4							
	ST0	00600	04.14	34.91	27.72	00.472	1477.2							
	OBS	00601	04.14	34.910	27.72		1477.2							
	OBS	00651	04.27	34.930	27.72		1478.6							
	ST0	00700	04.24	34.94	27.73	00.516	1479.3							
	OBS	00700	04.24	34.938	27.73		1479.3							
	OBS	00750	04.31	34.930	27.72		1480.4							
	ST0	00800	04.15	34.93	27.74	00.561	1480.8							
	OBS	00803	04.16	34.935	27.74		1480.8							
	OBS	00852	04.06	34.930	27.75		1481.1							
	ST0	00900	04.02	34.94	27.76	00.606	1481.7							
	OBS	00902	04.02	34.940	27.76		1481.8							
	OBS	00951	04.06	34.947	27.76		1482.8							
	ST0	01000	04.00	34.93	27.75	00.650	1483.3							
	OBS	01001	04.00	34.933	27.75		1483.3							
	ST0	01100	03.87	34.92	27.76	00.695	1484.4							
	OBS	01100	03.87	34.920	27.76		1484.4							
	ST0	01200	03.91	34.95	27.78	00.740	1486.3							
	OBS	01203	03.91	34.950	27.78		1486.4							
	OBS	01233	03.89	34.940	27.77		1486.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 01 8353 YEAR 1973 BOTOP 03407 AIR TEMP 03.5 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SW 1306  
 CONSEC 0178 MONTH 06 SHIP EV MET BULB 03.2 06 2 7 WIND-SPO 07 TRACE DIR 0 S SQUARE 2  
 LAT 44 21 N DAY 21 DATA USE 1 BARMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 048 10.5W HOUR 07.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 363 1 SQUARE 48

CASSTNM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P.	NO2	NO3	S103	PH
07.4	STD	00000	03.03	32.67	25.97	00.000	1463.0							
	0BS	00003	03.03	32.670	25.97		1463.1							
	0BS	00007	04.64	32.810	26.00		1466.7							
	STD	00010	04.02	32.84	26.01	00.020	1466.7							
	0BS	00011	04.02	32.810	26.01		1466.6							
	0BS	00015	04.53	32.800	26.01		1466.4							
	0BS	00019	04.28	32.800	26.00		1465.4							
	STD	00020	04.27	32.83	26.06	00.040	1465.4							
	0BS	00022	04.25	32.840	26.07		1465.4							
	0BS	00026	03.88	32.910	26.10		1464.0							
	STD	00030	02.68	32.67	26.24	00.059	1456.7							
	0BS	00030	02.51	32.670	26.25		1456.1							
	0BS	00034	01.01	32.950	26.45		1451.7							
	0BS	00041	- 0.33	33.130	26.63		1445.9							
	0BS	00049	- 0.38	33.130	26.65		1445.0							
	0BS	00049	- 0.81	33.160	26.68		1443.8							
	STD	00050	- 0.85	33.19	26.70	00.090	1444.6							
	0BS	00053	00.05	33.340	26.79		1448.1							
	0BS	00072	- 0.96	33.350	26.84		1443.7							
	STD	00075	- 0.89	33.43	26.90	00.121	1444.2							
	0BS	00076	- 0.86	33.460	26.92		1444.4							
	0BS	00091	- 0.70	33.520	26.95		1447.8							
	STD	00100	- 0.28	33.54	26.97	00.150	1447.7							
	0BS	00102	- 0.31	33.550	26.97		1447.5							
	0BS	00106	- 0.41	33.560	26.98		1447.2							
	0BS	00110	- 0.30	33.620	27.03		1447.8							
	0BS	00118	00.73	33.680	27.02		1452.7							
	0BS	00121	00.69	33.700	27.04		1452.6							
	STD	00125	00.18	33.68	27.06	00.176	1450.3							
	0BS	00125	00.10	33.680	27.06		1450.0							
	0BS	00148	00.66	33.630	27.15		1453.1							
	STD	00150	00.67	33.64	27.15	00.200	1453.2							
	0BS	00152	00.67	33.640	27.16		1453.2							
	0BS	00156	00.65	33.840	27.16		1453.2							
	0BS	00163	00.31	33.900	27.22		1451.9							
	0BS	00175	00.56	34.010	27.30		1453.4							
	STD	00200	00.98	34.13	27.37	00.242	1455.4							
	0BS	00201	01.03	34.140	27.37		1456.1							
	0BS	00220	01.65	34.240	27.41		1459.3							
	0BS	00228	02.84	34.380	27.43		1464.8							
	0BS	00239	02.84	34.360	27.41		1465.0							
	0BS	00247	04.69	34.240	27.41		1459.9							
	STD	00250	01.63	34.27	27.44	00.276	1459.8							
	0BS	00251	01.61	34.260	27.45		1459.7							
	0BS	00278	01.95	34.360	27.49		1461.7							
	STD	00300	02.46	34.55	27.60	00.306	1464.6							
	0BS	00300	02.50	34.560	27.60		1464.8							
	0BS	00304	02.69	34.590	27.61		1465.7							
	0BS	00316	03.19	34.650	27.61		1468.2							
	0BS	00350	03.34	34.710	27.64		1469.4							
	0BS	00365	03.48	34.730	27.65		1470.3							
	0BS	00388	04.21	34.850	27.67		1473.5							
	STD	00400	04.22	34.86	27.67	00.355	1474.2							
	0BS	00403	04.23	34.860	27.67		1474.3							
	0BS	00453	04.42	34.920	27.70		1476.0							
	STD	00500	04.26	34.91	27.71	00.401	1476.1							
	0BS	00510	04.24	34.910	27.71		1476.2							
	0BS	00552	04.19	34.920	27.72		1476.6							
	STD	00600	04.11	34.91	27.72	00.445	1477.1							
	0BS	00601	04.11	34.910	27.72		1477.1							
	0BS	00651	04.05	34.920	27.74		1477.7							
	STD	00700	04.07	34.92	27.74	00.489	1478.3							
	0BS	00700	04.03	34.920	27.74		1478.3							
	0BS	00750	03.63	34.910	27.74		1478.8							
	STD	00800	03.88	34.91	27.75	00.532	1479.5							
	0BS	00835	02.88	34.910	27.75		1479.5							
	STD	00900	02.79	34.91	27.75	00.575	1480.7							
	STD	01000	03.74	34.90	27.76	00.619	1482.2							
	0BS	01001	03.74	34.900	27.76		1482.2							
	STD	01100	03.75	34.90	27.76	00.664	1483.8							
	0BS	01100	03.75	34.900	27.76		1483.8							
	STD	01200	03.77	34.93	27.78	00.708	1485.7							
	0BS	01203	03.77	34.930	27.78		1485.7							
	0BS	01233	03.77	34.930	27.78		1486.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOODC STATION DATA

REFID 51 8353 YEAR 1973 BOTOP 03149 AIR TEMP 04.5 OIR HGT PER WIND-DIR 00 INST STD RECORDER TEN 56 130A  
 CONSEC 0175 MONTH 06 SHIP EV WET BULB 04.3 35 2 0 WIND-SPD 00 TRACE OIR 0 5 SQUARE 2  
 LAT 44 20 N DAY 21 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOA DURATION 2 SQUARE 48  
 LONG 048 23.5W HOUR 09.7 AREA 05 CLOUD T/A CL/TR WEATHER X8 ORIG 011 364 1 SQUARE 48

CASTNUM/TIME	LVL/TYPE	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DRG	PO4	TOT F	NO2	NO3	SIO3	PH
09.7	STO	00000	04.01	32.87	26.12	00.000	1464.0							
	OBS	00003	04.01	32.875	26.12		1464.1							
	STO	00010	03.96	32.86	26.11	00.019	1463.9							
	OBS	00011	03.88	32.852	26.11		1463.6							
	OBS	00015	03.56	32.862	26.15		1462.4							
	STO	00020	03.48	32.87	26.16	00.038	1462.1							
	OBS	00022	03.39	32.867	26.17		1461.8							
	STO	00030	02.98	32.90	26.24	00.056	1460.2							
	OBS	00030	02.96	32.908	26.24		1460.1							
	OBS	00034	02.80	32.960	26.30		1459.5							
	OBS	00038	02.31	32.911	26.30		1457.4							
	OBS	00041	01.51	32.881	26.33		1455.9							
	OBS	00045	- 0.92	32.983	26.54		1443.0							
	OBS	00049	- 1.40	33.127	26.67		1441.0							
	STO	00050	- 1.41	33.14	26.68	00.086	1441.0							
	OBS	00053	- 1.45	33.183	26.72		1440.9							
	OBS	00072	- 1.33	33.239	26.76		1441.9							
	STO	00075	- 1.19	33.30	26.81	00.121	1442.6							
	OBS	00076	- 1.14	33.329	26.83		1442.9							
	STO	00100	- 0.33	33.54	26.57	00.150	1447.4							
	OBS	00102	- 0.22	33.554	26.57		1448.0							
	OBS	00110	00.10	33.567	26.57		1445.6							
	STO	00125	00.00	33.60	27.16	00.175	1445.7							
	OBS	00125	00.00	33.804	27.16		1445.7							
	OBS	00148	00.35	33.940	27.25		1451.5							
	STO	00150	00.46	33.98	27.28	00.196	1452.4							
	OBS	00152	00.61	34.030	27.31		1453.2							
	OBS	00175	01.38	34.215	27.41		1457.5							
	OBS	00182	02.65	34.387	27.43		1464.1							
	OBS	00186	02.92	34.500	27.43		1464.5							
	OBS	00194	02.71	34.370	27.43		1463.7							
	STO	00200	02.79	34.38	27.45	00.233	1464.2							
	OBS	00201	02.81	34.380	27.45		1464.3							
	OBS	00228	02.66	34.457	27.54		1464.1							
	OBS	00236	02.73	34.500	27.53		1464.6							
	OBS	00259	03.33	34.584	27.54		1467.4							
	STO	00250	03.36	34.57	27.53	00.265	1467.7							
	OBS	00251	03.36	34.563	27.52		1467.7							
	OBS	00255	03.27	34.580	27.55		1467.4							
	OBS	00262	03.52	34.704	27.62		1466.8							
	OBS	00277	03.47	34.683	27.61		1468.8							
	STO	00300	03.83	34.73	27.61	00.293	1470.7							
	OBS	00300	03.84	34.730	27.61		1470.8							
	OBS	00327	04.04	34.830	27.67		1472.2							
	OBS	00342	04.66	34.925	27.67		1475.1							
	OBS	00350	04.65	34.926	27.68		1475.2							
	STO	00400	04.71	34.92	27.67	00.342	1476.3							
	OBS	00403	04.71	34.920	27.67		1476.4							
	OBS	00453	04.70	34.942	27.65		1477.2							
	STO	00500	04.84	34.94	27.69	00.390	1477.7							
	OBS	00535	04.59	34.945	27.70		1478.0							
	OBS	00552	04.44	34.927	27.70		1477.7							
	STO	00600	04.31	34.92	27.71	00.436	1477.9							
	OBS	00601	04.30	34.922	27.71		1477.9							
	OBS	00651	04.06	34.920	27.74		1477.7							
	STO	00700	04.06	34.94	27.75	00.480	1478.6							
	OBS	00700	04.06	34.937	27.75		1478.6							
	OBS	00750	04.01	34.920	27.74		1479.2							
	STO	00800	03.92	34.92	27.75	00.522	1479.7							
	OBS	00805	03.92	34.920	27.75		1479.7							
	OBS	00852	03.66	34.920	27.76		1480.3							
	STO	00900	03.87	34.93	27.77	00.565	1481.1							
	OBS	00902	03.87	34.930	27.77		1481.1							
	OBS	00951	03.82	34.920	27.76		1481.7							
	STO	01000	03.77	34.94	27.78	00.607	1482.4							
	OBS	01001	03.77	34.940	27.78		1482.4							
	STO	01100	03.85	34.94	27.77	00.650	1484.5							
	OBS	01100	03.85	34.91 P	27.750									
	STO	01200	03.75	34.94	27.78	00.693	1485.6							
	OBS	01203	03.75	34.937	27.78		1485.7							
	OBS	01233	03.75	34.940	27.79		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8005 YEAR 1973 BOTOP 02705 AIR TEMP 09.5 DIR HGT PER WIND-DIR 04 INST STO RECORDER TEN SQ 1306  
 GCNSEC 0130 MONTH 06 SHIP EV NET BULB 08.0 WIND-SPD 02 TRACE DIR 0 SQUARE 2  
 LAT 44 20 N DAY 21 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 37 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 365 1 SQUARE 48

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYG	PD4	TOT P.	NO2	NO3	S103	PH
11.8	085	00011	03.04	32.510	25.92		1455.6							
	STO	00020	02.85	32.51	25.94		1455.1							
	085	00022	02.85	32.524	25.95		1455.0							
	STO	00030	02.77	32.57	25.99		1458.8							
	085	00030	02.76	32.571	25.99		1458.8							
	085	00041	02.54	32.625	26.05		1458.1							
	085	00045	01.90	32.587	26.07		1455.3							
	STO	00050	00.67	32.67	26.22		1449.9							
	085	00053	- 0.18	32.795	26.36		1446.3							
	085	00057	- 1.05	33.002	26.56		1442.6							
	STO	00075	- 1.34	33.20	26.73		1441.8							
	085	00076	- 1.35	33.210	26.74		1441.8							
	STO	00100	- 1.32	33.31	26.82		1442.5							
	085	00102	- 1.30	33.328	26.83		1442.6							
	STO	00125	- 1.02	33.48	26.95		1444.5							
	085	00125	- 1.00	33.490	26.95		1444.6							
	085	00148	00.02	33.770	27.13		1450.1							
	STO	00150	00.04	33.78	27.14		1450.3							
	085	00152	00.06	33.755	27.15		1450.5							
	085	00175	00.59	33.967	27.28		1453.5							
	STO	00200	01.33	34.22	27.42		1457.5							
	085	00201	01.58	34.234	27.43		1457.8							
	085	00228	02.08	34.375	27.49		1461.5							
	STO	00250	02.57	34.56	27.59		1466.3							
	085	00251	02.60	34.563	27.59		1466.4							
	085	00277	03.01	34.580	27.57		1466.7							
	STO	00300	03.14	34.69	27.65		1467.7							
	085	00300	03.15	34.697	27.65		1467.8							
	085	00350	03.69	34.822	27.70		1471.1							
	STO	00400	03.66	34.83	27.71		1471.8							
	085	00403	03.66	34.830	27.71		1471.8							
	085	00453	03.78	34.870	27.73		1473.2							
	STO	00500	03.96	34.87	27.71		1474.8							
	085	00502	03.97	34.875	27.71		1474.8							
	085	00555	04.08	34.915	27.73		1476.2							
	STO	00600	04.14	34.92	27.73		1477.2							
	085	00601	04.14	34.920	27.73		1477.3							
	085	00651	04.10	34.920	27.73		1477.9							
	STO	00700	04.04	34.92	27.74		1476.5							
	085	00700	04.04	34.920	27.74		1476.5							
	085	00750	03.97	34.920	27.75		1475.0							
	STO	00800	03.87	34.91	27.75		1475.4							
	085	00803	03.87	34.910	27.75		1475.5							
	085	00852	03.83	34.942	27.76		1480.2							
	STO	00900	03.79	34.94	27.78		1480.8							
	085	00902	03.79	34.940	27.78		1480.8							
	085	00951	03.80	34.925	27.77		1481.7							
	STO	01000	03.75	34.92	27.77		1482.3							
	085	01001	03.75	34.920	27.77		1482.3							
	085	01035	03.78	34.920	27.77		1483.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 51 8355 YEAR 1973 BOTOP 01400 AIR TEMP 05.2 DIR MGT PER WIND-DIR 00 INST STO RECORDER TEN SQ 1306  
 CONSEC 0184 MONTH 06 SHIP EV WET BULB 08.3 35 0 8 WIND-SPD 00 TRACE DIR 0 5 SQUARE 2  
 LAT 44 19.5N DAY 21 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 53 W HOUR 14.0 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORIG 011 300 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
14.0	STO	00000	02.94	32.58	25.98	00.000	1455.1							
	OBS	00005	02.94	32.577	25.98		1459.1							
	STO	00010	02.65	32.59	26.00	00.020	1458.9							
	OBS	00011	02.83	32.595	26.01		1458.8							
	STO	00020	02.75	32.63	26.04	00.040	1458.6							
	OBS	00022	02.67	32.635	26.05		1456.3							
	OBS	00026	02.55	32.614	26.04		1457.6							
	STO	00030	02.07	32.65	26.09	00.060	1459.8							
	OBS	00030	02.00	32.633	26.10		1455.5							
	OBS	00034	01.46	32.708	26.20		1453.3							
	OBS	00038	00.70	32.767	26.29		1450.0							
	OBS	00045	- 0.17	32.653	26.40		1446.5							
	OBS	00049	- 1.00	32.564	26.54		1442.7							
	STO	00050	- 1.01	32.95	26.54	00.094	1442.6							
	OBS	00053	- 1.08	33.010	26.57		1442.4							
	OBS	00064	- 1.48	33.163	26.70		1440.9							
	STO	00075	- 1.40	33.21	26.73	00.129	1441.5							
	OBS	00076	- 1.59	33.212	26.74		1441.6							
	STO	00100	- 1.25	33.31	26.82	00.161	1442.1							
	OBS	00102	- 1.31	33.341	26.84		1442.6							
	OBS	00110	- 1.01	33.435	26.91		1444.3							
	OBS	00114	- 0.60	33.467	26.93		1446.3							
	STO	00125	- 0.28	33.51	26.94	00.190	1448.0							
	OBS	00125	- 0.28	33.512	26.94		1448.0							
	OBS	00133	- 0.56	33.550	26.97		1447.6							
	OBS	00137	- 0.17	33.552	26.97		1448.8							
	OBS	00140	00.21	33.675	27.05		1450.7							
	STO	00150	00.53	33.72	27.07	00.217	1452.4							
	OBS	00152	00.58	33.732	27.07		1452.7							
	OBS	00175	00.37	33.914	27.23		1452.4							
	STO	00200	01.12	34.14	27.37	00.260	1456.5							
	OBS	00201	01.18	34.161	27.38		1456.8							
	OBS	00228	02.06	34.385	27.50		1461.4							
	STO	00250	02.46	34.54	27.59	00.291	1463.8							
	OBS	00251	02.48	34.545	27.59		1463.9							
	OBS	00277	02.83	34.595	27.60		1465.9							
	STO	00300	03.08	34.70	27.66	00.316	1467.5							
	OBS	00300	03.05	34.700	27.66		1467.5							
	OBS	00350	03.54	34.730	27.64		1470.3							
	STO	00400	03.81	34.86	27.72	00.360	1472.5							
	OBS	00403	03.83	34.867	27.72		1472.6							
	OBS	00453	03.55	34.870	27.71		1474.1							
	STO	00500	04.02	34.92	27.74	00.402	1475.1							
	OBS	00502	04.02	34.920	27.74		1475.1							
	OBS	00552	04.01	34.920	27.74		1475.9							
	STO	00600	04.01	34.93	27.75	00.444	1476.7							
	OBS	00605	04.01	34.930	27.75		1476.8							
	OBS	00651	04.00	34.935	27.76		1477.5							
	STO	00700	03.95	34.94	27.77	00.485	1478.1							
	OBS	00700	03.95	34.940	27.77		1478.1							
	OBS	00750	03.86	34.940	27.77		1478.7							
	STO	00800	03.83	34.94	27.78	00.526	1479.3							
	OBS	00803	03.83	34.940	27.78		1479.3							
	OBS	00852	03.81	34.940	27.78		1480.1							
	STO	00900	03.77	34.94	27.78	00.566	1480.7							
	OBS	00902	03.77	34.940	27.78		1480.7							
	OBS	00951	03.76	34.940	27.78		1481.5							
	STO	01000	03.76	34.94	27.78	00.607	1482.3							
	OBS	01001	03.76	34.940	27.78		1482.3							
	STO	01100	03.73	34.94	27.79	00.649	1483.9							
	OBS	01103	03.73	34.940	27.79		1483.9							
	STO	01200	03.71	34.94	27.75	00.691	1485.5							
	OBS	01203	03.71	34.940	27.75		1485.5							
	OBS	01224	03.70	34.940	27.79		1485.4							

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REFID 51 8355 YEAR 1973 BOTOP 00050 AIR TEMP 12.2 DIR MGT PER WIND-DIR 00 INST STO RECORDER TEN SQ 1306  
 CONSEC 0184 MONTH 06 SHIP EV WET BULB 10.0 00 0 X WIND-SPD 00 TRACE DIR 0 5 SQUARE 2  
 LAT 44 18.5N DAY 21 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 049 02 W HOUR 16.1 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORIG 011 367 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
16.1	STO	00000	04.24	32.50	25.80	00.000	1464.5							
	OBS	00000	04.24	32.500	25.80		1464.5							
	STO	00010	03.83	32.59	25.91	00.022	1465.1							
	OBS	00010	03.83	32.590	25.91		1465.1							
	STO	00020	01.67	32.72	26.19	00.041	1454.0							
	OBS	00020	01.67	32.720	26.19		1454.0							
	STO	00030	00.16	32.73	26.25	00.059	1447.4							
	OBS	00030	00.16	32.730	26.25		1447.4							
	OBS	00040	- 1.16	33.180	26.71		1441.5							
	STO	00050	- 1.16	33.19	26.72	00.090	1442.2							
	OBS	00054	- 1.15	33.200	26.72		1442.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 00057 AIR TEMP 11.8 DIR MGT PER WIND-DIR 20 INST STO RECORDER TEN SQ 1306  
CONSEC 0163 MONTH 06 SHIP EV WET BULB 10.0 03 3 2 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
LAT 44 21.2N DAY 21 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 045 15.5W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG 011 368 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	DAYG	PO4	TOT P-	NO2	NO3	SIO3	PH
	STO	00000	04.81	32.52	25.76	00.000	1466.9							
17.0	OBS	00003	04.81	32.522	25.76		1467.0							
	OBS	00007	04.68	32.505	25.76		1466.5							
	STO	00010	04.56	32.51	25.79	00.022	1465.2							
	OBS	00011	04.23	32.506	25.81		1464.7							
	OBS	00015	34.07	32.510	25.82		1464.1							
	OBS	00019	02.48	32.477	25.85		1461.6							
	STO	00020	02.27	32.50	25.89	00.044	1460.7							
	OBS	00022	02.75	32.570	25.69		1458.6							
	OBS	00026	02.16	32.632	26.09		1456.2							
	STO	00030	03.76	32.64	26.19	00.064	1450.0							
	OBS	00030	00.55	32.644	26.20		1449.2							
	OBS	00034	- 0.43	32.886	26.44		1444.9							
	OBS	00045	- 3.46	32.867	26.43		1445.0							
	OBS	00049	- 0.45	32.891	26.45		1445.1							

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REFID 31 8355 YEAR 1973 BOTOP 00274 AIR TEMP 08.8 DIR MGT PER WIND-DIR 17 INST STO RECORDER TEN SQ 1306  
CONSEC 0184 MONTH 06 SHIP EV WET BULB 08.5 00 0 0 WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
LAT 44 04.5N DAY 22 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 045 14 W HOUR 02.2 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG 011 369 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	DAYG	PO4	TOT P-	NO2	NO3	SIO3	PH
	STO	00000	04.50	32.45	25.72	00.000	1467.3							
02.2	OBS	00003	04.50	32.450	25.72		1467.3							
	OBS	00007	04.67	32.504	25.76		1466.4							
	STO	00010	04.29	32.50	25.75	00.022	1464.9							
	OBS	00011	04.00	32.498	25.82		1463.7							
	OBS	00015	02.93	32.556	26.00		1459.3							
	OBS	00019	02.29	32.662	26.10		1456.7							
	STO	00020	01.91	32.70	26.16	00.044	1450.1							
	OBS	00022	01.07	32.753	26.29		1451.5							
	OBS	00026	00.44	32.850	26.37		1448.6							
	STO	00030	00.05	32.91	26.44	00.064	1447.1							
	OBS	00030	00.00	32.917	26.45		1446.5							
	OBS	00034	- 0.39	32.960	26.52		1443.3							
	STO	00050	- 3.64	33.09	26.61	00.090	1444.5							
	OBS	00053	- 0.69	33.107	26.63		1444.4							
	STO	00075	- 3.92	33.18	26.70	00.125	1443.7							
	OBS	00076	- 0.93	33.187	26.70		1443.7							
	OBS	00067	- 1.02	33.204	26.72		1443.5							
	STO	00100	- 0.59	33.32	26.82	00.157	1444.0							
	OBS	00102	- 0.58	33.341	26.83		1444.1							
	STO	00125	- 3.80	33.35	26.83	00.188	1445.4							
	OBS	00145	- 0.75	33.350	26.83		1445.4							
	STO	00150	- 0.51	33.46	26.91	00.216	1447.3							
	OBS	00152	- 3.47	33.477	26.92		1447.5							
	OBS	00175	00.13	33.758	27.12		1451.1							
	OBS	00176	00.55	33.813	27.15		1452.4							
	OBS	00190	03.60	33.840	27.16		1453.6							
	OBS	00194	00.92	33.887	27.18		1455.1							
	OBS	00198	00.56	33.880	27.17		1455.4							
	STO	00200	04.01	33.90	27.19	00.265	1455.6							
	OBS	00217	01.98	34.251	27.40		1460.7							
	OBS	00220	02.34	34.363	27.46		1462.5							
	OBS	00228	02.46	34.377	27.48		1463.2							
	STO	00250	04.75	34.50	27.53	00.306	1465.1							
	OBS	00251	02.61	34.515	27.54		1465.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D D C S T A T I O N D A T A

REFID 31 8555 YEAR 1973 BOTOP 03237 AIR TEMP 07.8 OIR MGT PEK WIND-DIR 17 INST STO RECORDER TEN SQ 1306  
 CONSEC 0185 MDNTH 06 SHIP EV MET BULB 07.2 00 0 X WIND-SPO 08 TRACE DIR 5 SQUARE 2  
 LAT 44 35 N DAY 22 DATA USE 1 BAROMETR 1029.2 SEA CL/TR WIND-FDR DURATION 2 SQUARE 48  
 LONG 049 00 W MDUR 03.7 AREA 05 CLOUD T/A WEATHER XJ ORIG 011 370 1 SQUARE 49

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	DRYG	P34	TOT P.	NO2	NO3	SIO3	PH
33.7	STO	00033	03.93	32.53	25.85	00.000	1463.2							
	OBS	00033	03.93	32.527	25.85		1463.3							
	OBS	00037	03.39	32.532	25.91		1461.1							
	STO	00010	03.23	32.55	25.94	00.021	1460.3							
	OBS	00011	03.13	32.566	25.96		1459.9							
	OBS	00015	02.53	32.597	26.00		1455.2							
	OBS	00019	02.45	32.545	26.00		1457.4							
	STO	00023	02.32	32.58	26.03	00.041	1456.7							
	OBS	00022	01.88	32.653	26.13		1454.9							
	STO	00030	01.08	32.72	26.25	00.063	1451.5							
	OBS	00033	00.95	32.724	26.24		1451.1							
	OBS	00038	- 0.52	32.886	26.46		1442.7							
	OBS	00041	- 1.44	33.333	26.57		1440.5							
	OBS	00045	- 1.54	33.000	26.57		1440.2							
	STO	00053	- 1.12	33.31	26.57	00.053	1442.1							
	OBS	00057	00.58	33.117	26.58		1450.3							
	OBS	00063	- 1.75	33.125	26.68		1439.5							
	OBS	00064	- 1.53	33.144	26.69		1440.7							
	STO	00075	- 1.62	33.16	26.71	00.128	1440.4							
	OBS	00076	- 1.63	33.166	26.71		1440.4							
	STO	00100	- 1.52	33.21	26.74	00.161	1441.4							
	OBS	00102	- 1.48	33.219	26.75		1441.0							
	STO	00125	- 1.31	33.38	26.87	00.193	1444.4							
	OBS	00125	- 1.00	33.388	26.87		1444.5							
	STO	00153	- 0.75	33.52	26.97	00.221	1446.1							
	OBS	00152	- 0.76	33.527	26.97		1446.2							
	OBS	00175	- 0.46	33.543	26.97		1448.3							
	STO	00200	- 0.36	33.78	27.15	00.271	1450.6							
	OBS	00201	- 0.02	33.757	27.16		1450.9							
	OBS	00228	00.67	33.970	27.26		1454.7							
	OBS	00232	00.81	34.028	27.30		1455.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOGDC STATION DATA

REFID 31 8355 YEAR 1973 HJTOP 01c28 AIR TEMP 07.0 DIR MGT PER WIND-DIR 17 INST STO RECORDER TEM SC 1306  
 CONSEC 018c MONTH 06 SHIP EV WET BULB 06.5 00 0 X WIND-SPO 08 TRACE DIR 0 5 SQUARE 2  
 LAT 44 26 N DAY 22 DATA USE 1 BAROMETER 1026.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 47.5W HOUR 05.2 AREA 05 CLOUD T/A CL/TR WEATHER XJ ORIG\_011 371 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNDPTH	SND VEL	OAYG	P04	TOT P.	NO2	NO3	S103	PH
05.2	STO	00000	03.86	32.52	25.85	00.000	1462.9							
	OBS	00003	03.86	32.518	25.85		1463.0							
	OBS	00007	03.12	32.551	25.95		1459.9							
	STO	00010	02.96	32.57	25.98	00.021	1459.3							
	OBS	00011	02.84	32.582	25.95		1458.8							
	STO	00020	01.85	32.65	26.13	00.041	1454.7							
	OBS	00021	01.35	32.673	26.18		1452.6							
	OBS	00026	00.54	32.654	26.24		1449.0							
	STO	00030	- 3.44	32.84	26.41	00.058	1444.8							
	OBS	00030	- 0.56	32.861	26.43		1444.2							
	OBS	00034	- 1.30	32.587	26.55		1441.0							
	OBS	00045	- 1.65	33.107	26.66		1435.7							
	STO	00050	- 1.65	33.13	26.67	00.088	1435.8							
	OBS	00052	- 1.65	33.138	26.68		1435.5							
	STO	00075	- 1.56	33.15	26.73	00.122	1440.8							
	OBS	00076	- 1.55	33.155	26.73		1440.8							
	STO	00100	- 1.54	33.32	26.83	00.154	1442.4							
	OBS	00102	- 1.21	33.340	26.84		1442.6							
	STO	00125	- 1.04	33.47	26.94	00.183	1444.4							
	OBS	00125	- 1.03	33.476	26.94		1444.5							
	STO	00150	- 0.76	33.52	26.97	00.211	1446.1							
	OBS	00152	- 0.73	33.540	26.98		1446.4							
	OBS	00171	- 0.21	33.800	27.17		1445.5							
	OBS	00175	00.38	33.860	27.22		1451.0							
	OBS	00176	00.28	33.970	27.28		1452.1							
	OBS	00186	00.98	34.110	27.35		1458.6							
	STO	00200	01.82	34.22	27.38	00.256	1459.7							
	OBS	00201	01.51	34.230	27.38		1460.1							
	OBS	00228	02.64	34.360	27.45		1463.9							
	OBS	00245	02.75	34.370	27.43		1464.7							
	OBS	00247	01.98	34.290	27.43		1461.3							
	STO	00250	01.98	34.33	27.46	00.290	1461.4							
	OBS	00251	01.58	34.352	27.48		1461.4							
	OBS	00281	02.57	34.500	27.55		1464.7							
	OBS	00293	02.87	34.570	27.58		1466.3							
	STO	00300	03.33	34.70	27.64	00.318	1466.6							
	OBS	00300	03.56	34.710	27.64		1468.7							
	OBS	00304	03.43	34.723	27.65		1469.1							
	OBS	00312	03.13	34.650	27.65		1467.9							
	OBS	00338	03.79	34.830	27.65		1471.3							
	OBS	00350	03.84	34.810	27.67		1471.7							
	STO	00400	03.77	34.82	27.69	00.365	1472.3							
	OBS	00403	03.77	34.820	27.69		1472.5							
	OBS	00453	04.38	34.850	27.68		1474.5							
	STO	00500	04.15	34.91	27.72	00.409	1475.6							
	OBS	00502	04.15	34.912	27.72		1475.7							
	OBS	00552	04.03	34.920	27.74		1476.0							
	STO	00600	03.99	34.93	27.75	00.452	1476.6							
	OBS	00601	03.99	34.926	27.75		1476.6							
	OBS	00651	03.97	34.930	27.76		1477.4							
	STO	00700	03.97	34.93	27.76	00.453	1478.2							
	OBS	00700	03.97	34.930	27.76		1478.2							
	OBS	00750	03.94	34.930	27.76		1478.9							
	STO	00800	03.94	34.93	27.76	00.536	1475.7							
	OBS	00803	03.94	34.930	27.76		1475.8							
	OBS	00852	03.92	34.930	27.76		1480.5							
	STO	00900	03.90	34.93	27.76	00.578	1481.2							
	OBS	00902	03.90	34.930	27.76		1481.3							
	OBS	00951	03.88	34.930	27.76		1482.0							
	STO	01000	03.88	34.94	27.77	00.621	1482.8							
	OBS	01001	03.88	34.937	27.77		1482.8							
	STO	01100	03.86	34.93	27.77	00.665	1484.4							
	OBS	01100	03.86	34.930	27.77		1484.4							
	STO	01200	03.84	34.93	27.77	00.710	1486.0							
	OBS	01203	03.84	34.930	27.77		1486.0							
	OBS	01237	03.86	34.930	27.77		1486.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 11 0255 YEAR 1973 BOTOP 02907 AIR TEMP 05.9 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1336  
 CONSEC 0167 NGNTH 36 SHIP EV WET BULB 05.6 DD J X WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 44 06 N OAY 22 DATA USE 1 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 36 W HOUR 07.1 AREA 05 CLOUD T/A CL/T/R WEATHER X7 DRIG 01 372 1 SQUARE 48

CASSTNUN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P.	NO2	NO3	S103	PH
07.1	STO	00000	05.01	32.78	25.54	00.000	1468.1							
	OBS	00005	05.01	32.775	25.94		1468.2							
	OBS	00010	04.96	32.783	25.95		1468.0							
	STO	00015	04.84	32.78	25.54	00.021	1467.5							
	OBS	00011	04.71	32.745	25.94		1467.0							
	OBS	00015	05.16	32.642	26.01		1460.4							
	STO	00020	05.11	32.65	26.05	00.041	1460.3							
	OBS	00022	02.58	32.734	26.10		1455.6							
	OBS	00026	02.14	32.625	26.08		1456.1							
	STO	00030	02.06	32.72	26.17	00.060	1455.5							
	OBS	00030	02.04	32.737	26.18		1455.8							
	OBS	00038	01.64	32.845	26.30		1454.3							
	OBS	00049	02.02	33.061	26.44		1456.5							
	STO	00050	01.56	33.06	26.45	00.095	1456.3							
	OBS	00053	01.62	33.081	26.49		1454.8							
	OBS	00068	00.53	33.312	26.74		1453.5							
	STO	00075	00.47	33.33	26.76	00.131	1450.3							
	OBS	00076	00.45	33.334	26.76		1450.3							
	OBS	00095	0.34	33.467	26.89		1448.5							
	STO	00100	00.02	33.51	26.93	00.161	1449.0							
	OBS	00102	00.05	33.535	26.94		1445.2							
	STO	00125	00.23	33.60	26.99	00.185	1450.5							
	OBS	00125	00.23	33.607	26.99		1450.5							
	OBS	00144	00.21	33.682	27.05		1450.8							
	STO	00150	00.24	33.73	27.09	00.214	1451.1							
	OBS	00152	00.26	33.746	27.10		1451.2							
	OBS	00175	00.81	33.885	27.18		1454.3							
	STO	00200	01.74	34.20	27.38	00.257	1455.3							
	OBS	00201	01.80	34.220	27.38		1455.6							
	OBS	00228	02.52	34.350	27.43		1463.4							
	OBS	00243	02.34	34.353	27.45		1462.5							
	STO	00250	02.44	34.37	27.45	00.291	1463.5							
	OBS	00255	02.45	34.377	27.46		1463.6							
	OBS	00258	02.41	34.363	27.45		1463.4							
	OBS	00262	02.17	34.375	27.48		1462.5							
	OBS	00277	02.31	34.450	27.56		1463.5							
	STO	00300	02.64	34.55	27.58	00.321	1465.4							
	OBS	00300	02.66	34.557	27.58		1465.5							
	OBS	00304	02.75	34.580	27.59		1466.0							
	OBS	00312	03.24	34.705	27.65		1468.4							
	OBS	00323	03.55	34.713	27.63		1465.9							
	OBS	00335	04.21	34.853	27.67		1473.1							
	OBS	00350	04.24	34.840	27.66		1473.4							
	OBS	00373	04.21	34.850	27.67		1473.7							
	OBS	00384	04.51	34.913	27.65		1475.2							
	STO	00400	04.55	34.91	27.67	00.371	1475.8							
	OBS	00403	04.61	34.910	27.67		1475.5							
	OBS	00455	04.64	34.923	27.68		1476.9							
	STO	00500	04.27	34.92	27.72	00.417	1476.1							
	OBS	00502	04.26	34.925	27.72		1476.1							
	OBS	00552	04.14	34.935	27.74		1476.5							
	STO	00600	04.09	34.92	27.74	00.460	1477.0							
	OBS	00605	04.08	34.920	27.74		1477.1							
	OBS	00651	04.04	34.937	27.75		1477.7							
	STO	00700	03.59	34.93	27.75	00.503	1478.3							
	OBS	00700	03.59	34.930	27.75		1478.3							
	OBS	00750	03.98	34.920	27.75		1475.1							
	STO	00800	03.99	34.91	27.74	00.546	1475.9							
	OBS	00803	03.99	34.910	27.74		1480.0							
	OBS	00852	03.52	34.910	27.74		1480.5							
	STO	00900	03.86	34.91	27.75	00.550	1481.0							
	OBS	00932	03.86	34.910	27.75		1481.1							
	OBS	00951	03.64	34.910	27.75		1481.8							
	STO	01000	03.79	34.93	27.77	00.634	1482.4							
	OBS	01001	03.79	34.928	27.77		1482.5							
	STO	01100	03.76	34.92	27.77	00.677	1484.0							
	OBS	01100	03.76	34.916	27.77		1484.0							
	STO	01200	03.83	34.92	27.76	00.722	1485.9							
	OBS	01203	03.83	34.922	27.76		1486.0							
	OBS	01237	03.85	34.930	27.77		1486.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOO C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 03252 AIR TEMP 06.8 OIR HGT PEP WIND-DIP 17 INST STD RECORDER TEN SQ 1306  
 CONSEC 0160 MCNTH 06 SHIP EV WET BULB 06.8 00 0 X WIND-SPD 07 TRACE OIR 0 5 SQUARE 2  
 LAT 05.5N DAY 22 DATA USE 1 BAROMETR 1000.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 22 W MOJR 05.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 573 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	Ph
05.2	STD	00000	04.96	32.77	25.94	00.000	1467.9							
085	00005	04.96	32.770	25.94			1467.9							
085	00010	04.30	32.67	25.93	00.021		1465.1							
085	00011	04.13	32.646	25.93			1466.4							
085	00015	03.64	32.714	26.03			1462.5							
085	00016	01.07	32.690	26.21			1451.3							
STD	00020	00.50	31.75	26.29	00.040		1446.8							
085	00022	- 0.71	32.085	26.45			1443.4							
STD	00030	- 1.11	32.99	26.55	00.056		1441.6							
085	00050	- 1.13	32.955	26.56			1441.8							
085	00045	- 1.42	33.181	26.71			1441.0							
STD	00053	- 1.41	33.20	26.73	00.084		1441.0							
085	00053	- 1.33	33.284	26.80			1441.5							
085	00060	- 1.13	33.295	26.80			1442.7							
085	00064	00.30	33.450	26.80			1445.6							
085	00066	- 0.02	33.405	26.84			1448.1							
085	00072	- 0.53	33.366	26.84			1445.8							
STD	00075	- 0.36	33.42	26.87	00.116		1446.7							
085	00075	00.02	33.457	26.91			1448.6							
085	00067	00.79	33.548	26.91			1452.3							
085	00065	- 0.03	33.550	26.96			1448.7							
STD	00100	00.06	33.56	26.96	00.144		1445.2							
085	00102	00.11	33.560	26.96			1445.5							
085	00106	- 0.55	33.543	26.98			1446.5							
085	00110	- 0.62	33.606	27.03			1446.3							
STD	00125	00.24	33.75	27.14	00.170		1450.8							
085	00125	00.27	33.752	27.14			1450.9							
085	00137	00.86	33.900	27.19			1453.9							
085	00140	00.91	33.880	27.17			1454.2							
085	00148	00.60	33.938	27.24			1453.0							
STD	00150	01.03	33.98	27.25	00.192		1455.0							
085	00152	01.47	34.020	27.25			1457.1							
085	00156	01.63	34.027	27.24			1457.9							
085	00159	02.52	34.150	27.26			1462.0							
085	00178	03.23	34.268	27.30			1465.5							
085	00182	03.64	34.330	27.31			1467.4							
085	00186	05.73	34.337	27.31			1467.9							
085	00190	03.46	34.320	27.32			1466.5							
STD	00200	03.52	34.35	27.34	00.232		1467.3							
085	00201	03.53	34.353	27.34			1467.3							
085	00205	03.43	34.333	27.33			1467.0							
085	00217	03.55	34.360	27.34			1467.7							
085	00226	03.60	34.390	27.36			1468.1							
085	00235	03.65	34.506	27.45			1468.8							
085	00247	04.00	34.560	27.46			1470.3							
STD	00250	04.41	34.62	27.47	00.267		1472.2							
085	00255	05.02	34.720	27.47			1474.5							
085	00270	05.03	34.717	27.47			1475.2							
085	00277	04.77	34.700	27.49			1474.2							
085	00285	04.00	34.580	27.47			1471.1							
STD	00300	03.94	34.58	27.48	00.295		1471.0							
085	00300	03.93	34.577	27.48			1470.9							
085	00308	03.73	34.563	27.48			1470.2							
085	00350	03.44	34.673	27.60			1465.8							
085	00357	03.84	34.700	27.61			1470.8							
085	00361	04.04	34.744	27.60			1472.6							
085	00365	04.72	34.512	27.66			1475.8							
085	00380	04.83	34.525	27.66			1474.5							
085	00388	04.23	34.820	27.64			1474.0							
STD	00400	04.15	34.85	27.66	00.356		1473.9							
085	00403	04.13	34.837	27.66			1473.8							
085	00407	04.22	34.845	27.66			1474.3							
085	00415	04.02	34.810	27.65			1473.5							
085	00456	03.40	34.720	27.65			1471.5							
085	00464	03.44	34.730	27.65			1471.8							
085	00475	03.61	34.845	27.69			1474.2							
085	00454	03.95	34.845	27.69			1474.5							
085	00496	03.67	34.810	27.69			1473.4							
STD	00500	03.65	34.83	27.70	00.402		1473.6							
085	00502	03.73	34.860	27.72			1473.8							
085	00506	04.10	34.910	27.73			1475.5							
085	00521	04.13	34.913	27.72			1475.9							
085	00552	04.37	34.930	27.71			1477.4							
STD	00600	04.17	34.92	27.73	00.447		1477.4							
085	00604	04.17	34.920	27.73			1477.4							
085	00651	04.07	34.917	27.73			1477.6							
STD	00700	04.00	34.91	27.74	00.491		1478.3							
085	00700	04.00	34.910	27.74			1478.3							
085	00750	03.96	34.910	27.74			1475.0							
STD	00800	03.84	34.94	27.78	00.533		1475.3							
085	00803	03.63	34.940	27.78			1475.3							
085	00857	03.79	34.930	27.77			1460.0							
STD	00900	03.76	34.93	27.78	00.574		1480.6							
085	00902	03.76	34.930	27.78			1480.7							
085	00951	03.76	34.922	27.77			1481.5							
STD	01000	03.74	34.91	27.76	00.616		1482.2							
085	01001	03.74	34.910	27.76			1482.2							
STD	01100	03.70	34.94	27.79	00.656		1483.7							
085	01100	03.70	34.940	27.79			1483.7							
STD	01200	03.69	34.91	27.77	00.702		1485.3							
085	01203	03.69	34.910	27.77			1485.4							
085	01233	03.69	34.910	27.77			1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 6555 YEAR 1973 BOTOP 04953 AIR TEMP 08.8 DIR MUT PER WIND-DIR 19 INST STO RECORDER TEN SQ 130c  
 COMSEC J169 MONTH 06 SHIP EV WET DULB 06.8 00 D A WIND-SPD 09 TRACE DIR 0 5 SQUARE 2  
 LAT 44 05.5N DAY 22 DATA USE 1 BAROMETER 1030.0 SEA WIND-FOR WIND-DURATION 2 SQUARE 48  
 LONG 048 08 0 HOUR 11.5 AREA 05 CLOUD T/A CL/T/A WEATHER A4 ORIG 011 374 1 SQUARE 46

CASRN/M/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PC4	TUT P	NO2	NO3	S103	PH
11.5	STO	00003	09.74	33.67	25.98	00.000	1487.7							
	OBS	00007	09.74	33.670	25.98		1487.9							
	STO	00010	09.71	33.67	25.98	00.020	1487.8							
	OBS	00015	09.65	33.730	26.04		1487.7							
	OBS	00019	09.35	33.820	26.16		1486.8							
	STO	00020	09.35	33.84	26.17	00.040	1486.8							
	OBS	00022	09.35	33.890	26.21		1486.9							
	STO	00030	09.85	34.03	26.24	00.058	1485.1							
	OBS	00030	09.87	34.030	26.24		1489.2							
	OBS	00034	09.94	34.040	26.23		1485.5							
	OBS	00036	09.58	33.970	26.24		1488.2							
	OBS	00041	09.09	34.200	26.50		1486.7							
	OBS	00045	09.20	34.420	26.65		1487.4							
	OBS	00049	09.64	34.770	26.85		1489.6							
	STO	00053	09.72	34.63	26.86	00.086	1485.9							
	OBS	00053	10.06	34.920	26.90		1491.4							
	OBS	00060	09.83	34.890	26.91		1490.6							
	OBS	00072	08.34	34.550	26.92		1484.9							
	STO	00075	07.85	34.51	26.93	00.118	1482.9							
	OBS	00076	07.68	34.480	26.93		1482.3							
	OBS	00083	07.05	34.460	27.01		1479.9							
	OBS	00087	06.55	34.430	27.05		1478.1							
	OBS	00095	07.22	34.600	27.09		1480.9							
	OBS	00095	07.68	34.710	27.11		1482.9							
	STO	00100	07.69	34.71	27.11	00.144	1483.0							
	OBS	00102	07.72	34.710	27.11		1483.2							
	OBS	00110	07.76	34.720	27.11		1483.4							
	STO	00125	08.34	34.91	27.17	00.168	1486.1							
	OBS	00125	08.36	34.920	27.18		1486.3							
	OBS	00133	08.06	34.850	27.17		1485.1							
	OBS	00140	08.50	34.920	27.15		1487.0							
	OBS	00144	08.58	34.910	27.17		1486.6							
	STO	00150	08.64	35.02	27.21	00.191	1487.8							
	OBS	00192	08.72	35.055	27.23		1488.2							
	OBS	00195	08.86	35.070	27.22		1488.9							
	OBS	00175	08.61	35.058	27.25		1488.2							
	OBS	00186	08.34	35.022	27.26		1487.3							
	OBS	00198	06.88	34.755	27.26		1481.5							
	STO	00200	06.61	34.73	27.26	00.234	1481.2							
	OBS	00231	06.74	34.720	27.25		1481.0							
	OBS	00213	06.56	34.690	27.28		1475.6							
	OBS	00220	06.03	34.655	27.30		1476.4							
	OBS	00220	06.18	34.710	27.32		1475.2							
	OBS	00228	06.18	34.632	27.31		1477.7							
	OBS	00232	05.82	34.645	27.35		1476.9							
	OBS	00243	05.58	34.715	27.38		1477.8							
	OBS	00247	05.77	34.715	27.38		1477.8							
	STO	00250	05.70	34.71	27.38	00.274	1477.6							
	OBS	00251	05.67	34.705	27.39		1477.5							
	OBS	00277	05.07	34.715	27.46		1475.5							
	OBS	00265	05.32	34.755	27.46		1476.7							
	OBS	00289	05.69	34.658	27.50		1478.4							
	STO	00300	05.78	34.86	27.49	00.309	1478.9							
	OBS	00300	05.79	34.858	27.49		1475.0							
	OBS	00319	05.30	34.830	27.53		1477.3							
	OBS	00323	05.35	34.840	27.53		1477.5							
	OBS	00350	05.07	34.842	27.56		1476.9							
	STO	00400	05.30	34.92	27.60	00.369	1476.7							
	OBS	00405	05.30	34.920	27.60		1478.8							
	OBS	00453	05.12	34.928	27.63		1478.9							
	STO	00500	04.66	34.91	27.64	00.422	1478.6							
	OBS	00502	04.64	34.912	27.65		1478.5							
	OBS	00555	04.35	34.910	27.70		1477.4							
	STO	00600	04.03	34.86	27.69	00.471	1476.7							
	OBS	00601	04.02	34.860	27.69		1476.7							
	OBS	00651	04.01	34.910	27.74		1477.5							
	STO	00700	04.03	34.92	27.74	00.516	1478.4							
	OBS	00700	04.02	34.920	27.74		1476.4							
	OBS	00750	04.10	34.910	27.73		1475.5							
	STO	00800	04.00	34.91	27.74	00.560	1480.0							
	OBS	00810	04.00	34.910	27.74		1480.1							
	OBS	00852	04.04	34.920	27.74		1481.0							
	STO	00900	04.11	34.93	27.74	00.605	1482.1							
	OBS	00902	04.11	34.930	27.74		1482.1							
	OBS	00951	04.03	34.930	27.75		1482.6							
	STO	01000	03.98	34.93	27.75	00.651	1483.2							
	OBS	01001	03.98	34.925	27.75		1483.2							
	STO	01100	03.92	34.93	27.76	00.696	1484.7							
	OBS	01100	03.92	34.930	27.76		1484.7							
	STO	01200	03.86	34.93	27.76	00.741	1486.1							
	OBS	01203	03.86	34.927	27.76		1486.1							
	OBS	01237	03.84	34.930	27.77		1486.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOOC STATION DATA

REFID 51 4555 YE42 1673 03TOP 05556 AIR TEMP 10.7 OIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SD 1366  
 CONSEC 0193 MCNTM 06 SHIP EV MET BULB 10.4 25 0 0 WIND-SPO 06 TRACE OIR 0 5 SQUARE 2  
 LAT 03.54 DAY 22 DATA USE 1 BAROMETR 1030.9 SEA CL/TR WIND-FOR OURATION 2 SQUARE 46  
 LONG 047 57.34 HOUR 13.7 AREA 05 CLOUD T/A WEATHER 14 ORIG 011 375 1 SQUARE 40

CACNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTIC	SND VEL	DAYG	PO4	TOT P.	NO2	NO3	SID3	PH
13.7	STO	00000	11.05	34.22	26.18	00.000	1492.2							
	DBS	00003	11.05	34.216	26.18		1493.2							
	STD	00010	10.12	34.29	26.35	00.017	1490.1							
	DBS	00011	09.56	34.250	26.42		1490.3							
	DBS	00013	09.64	34.280	26.47		1490.4							
	STO	00020	09.64	34.34	26.52	00.030	1490.6							
	DBS	00022	09.64	34.367	26.54		1490.6							
	STO	00030	09.63	34.37	26.54	00.040	1490.7							
	DBS	00030	09.63	34.367	26.54		1490.7							
	DBS	00034	09.96	34.230	26.54		1490.1							
	STO	00050	07.81	34.47	26.51	00.075	1485.5							
	DBS	00053	07.62	34.485	26.95		1481.7							
	DBS	00064	07.10	34.436	26.98		1475.8							
	DBS	00068	06.73	34.356	27.00		1476.3							
	DBS	00072	06.58	34.366	27.01		1477.8							
	STO	00073	06.70	34.50	27.05	00.102	1478.5							
	DBS	00076	06.77	34.534	27.10		1478.8							
	DBS	00075	07.06	34.590	27.11		1480.1							
	DBS	00083	07.09	34.625	27.13		1480.3							
	DBS	00087	07.03	34.770	27.14		1482.3							
	STO	00100	08.15	34.85	27.15	00.126	1485.0							
	DBS	00102	08.22	34.862	27.15		1485.3							
	DBS	00118	08.48	34.923	27.16		1486.6							
	STO	00123	08.04	34.82	27.15	00.150	1486.9							
	DBS	00128	08.00	34.817	27.15		1486.7							
	DBS	00140	07.21	34.655	27.15		1481.7							
	DBS	00148	06.81	34.550	27.14		1480.2							
	STO	00150	06.79	34.58	27.14	00.174	1480.1							
	DBS	00132	06.77	34.570	27.13		1480.1							
	DBS	00175	06.66	34.676	27.23		1480.2							
	DBS	00182	06.67	34.672	27.23		1480.3							
	DBS	00190	08.17	34.960	27.24		1486.6							
	STO	00200	08.06	34.93	27.23	00.220	1486.4							
	DBS	00201	08.04	34.930	27.23		1486.3							
	DBS	00213	07.89	34.925	27.25		1485.9							
	DBS	00217	07.64	34.878	27.25		1484.9							
	DBS	00224	06.16	34.627	27.26		1478.9							
	DBS	00228	06.11	34.695	27.32		1478.9							
	DBS	00239	06.24	34.715	27.32		1475.6							
	DBS	00247	05.89	34.680	27.34		1478.3							
	STO	00250	05.86	34.70	27.35	00.261	1478.3							
	DBS	00251	05.88	34.700	27.35		1478.3							
	DBS	00235	05.91	34.700	27.35		1478.5							
	DBS	00270	04.44	34.520	27.38		1472.5							
	DBS	00274	04.59	34.520	27.36		1473.2							
	DBS	00277	04.54	34.570	27.41		1473.0							
	DBS	00257	05.06	34.743	27.45		1477.0							
	STO	00300	05.70	34.80	27.45	00.298	1478.5							
	DBS	00304	05.59	34.850	27.46		1479.8							
	DBS	00312	05.60	34.830	27.46		1475.4							
	DBS	00323	05.30	34.773	27.46		1477.3							
	DBS	00331	05.50	34.850	27.52		1478.2							
	DBS	00350	05.00	34.640	27.57		1476.6							
	DBS	00373	04.56	34.850	27.56		1476.8							
	STO	00400	05.01	34.85	27.57	00.360	1477.4							
	DBS	00405	05.02	34.850	27.58		1477.5							
	DBS	00445	05.16	34.520	27.61		1478.9							
	DBS	00453	05.46	34.970	27.62		1480.3							
	STO	00500	05.35	34.57	27.63	00.415	1480.7							
	STO	00600	05.12	34.58	27.67		1480.7							
	STO	00700	04.85	34.95	27.70	00.517	1482.1							
	DBS	00700	04.89	34.990	27.70		1482.1							
	DBS	00700	04.89	34.940	27.69		1481.5							
	STO	00700	04.86	34.94	27.70	00.566	1482.4							
	STO	00800	04.44	34.54	27.71	00.614	1483.5							
	DBS	00951	04.57	34.940	27.72		1484.1							
	STO	01000	04.19	34.53	27.73	00.662	1484.1							
	DBS	01001	04.19	34.534	27.74		1484.1							
	STO	01100	04.03	34.91	27.74	00.710	1485.0							
	DBS	01100	04.00	34.910	27.74		1485.0							
	STO	01200	03.92	34.92	27.75	00.757	1486.3							
	DBS	01203	03.92	34.920	27.75		1486.4							
	DBS	01225	03.60	34.910	27.75		1486.6							
	DBS	01229	03.91	34.910	27.75		1486.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO C S T A T I O N D A T A

REFID 31 6555 YEAR 1973 BOTOP JJ787 AIR TEMP 11.7 OIR HGT PER WIND-OIR 20 INST STD RECORDER TEN SQ 1306  
 CDASEC 019. MCNTH 06 SHIP EV WET 6ULB 11.7 00 0 X WIND-SPO 10 TRACE OIR D 5 SQUARE 2  
 LAT 43 50.1M OAY 26 DATA USE 1 BAROMETR 1034.3 SEA CL/TR WIND-FOR DURATION 2 SQUARE 28  
 LONG 045 15 W HOUR 12.2 AREA 05 CLOUD T/A WEATHER X4 OAIG 011 376 1 SQUARE 39

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	P4
12.2	STD	00000	04.61	32.49	25.75	00.000	1400.0							
	OBS	00003	04.61	32.487	25.75		1400.1							
	OBS	00007	03.59	32.454	25.86		1401.9							
	STD	00010	05.33	32.51	25.89	00.022	1400.8							
	OBS	00011	03.21	32.511	25.91		1400.3							
	OBS	00015	02.80	32.517	25.94		1459.0							
	STD	00020	02.70	32.54	25.97	00.043	1456.6							
	OBS	00022	02.49	32.550	26.03		1457.5							
	OBS	00026	02.25	32.636	26.09		1456.6							
	STD	00030	01.80	32.64	26.12	00.062	1455.0							
	OBS	00030	01.82	32.640	26.12		1454.7							
	STD	00050	- 0.61	32.55	26.50	00.097	1444.5							
	OBS	00053	- 0.66	32.487	26.54		1443.4							
	STD	00075	- 1.36	33.18	26.71	00.133	1441.7							
	OBS	00076	- 1.37	33.180	26.71		1441.6							
	OBS	00091	- 1.46	33.200	26.73		1441.5							
	STD	00100	- 1.43	33.21	26.72	00.166	1441.8							
	OBS	00106	- 1.40	33.225	26.75		1442.1							
	STD	00115	- 1.24	33.34	26.84	00.198	1443.3							
	OBS	00125	- 1.23	33.344	26.84		1443.4							
	STD	00150	- 1.00	33.43	26.90	00.227	1443.0							
	OBS	00152	- 0.99	33.438	26.91		1443.0							
	OBS	00175	- 0.58	33.477	26.94		1445.5							
	STD	00200	- 0.75	33.55	26.95	00.283	1447.1							
	OBS	00201	- 0.74	33.555	26.99		1447.2							
	OBS	00205	- 0.73	33.577	27.01		1447.3							
	OBS	00205	- 0.45	33.670	27.08		1448.8							
	OBS	00220	- 0.20	33.697	27.09		1450.3							
	STD	00250	00.35	33.88	27.15	00.332	1453.4							
	OBS	00251	00.35	33.874	27.20		1453.7							
	OBS	00262	00.83	34.020	27.25		1456.0							
	OBS	00266	01.76	34.213	27.38		1460.5							
	OBS	00270	02.13	34.250	27.37		1462.2							
	OBS	00277	02.48	34.304	27.45		1464.1							
	OBS	00285	02.70	34.443	27.45		1465.3							
	STD	00300	03.24	34.56	27.54	00.368	1468.0							
	OBS	00300	03.26	34.570	27.54		1468.1							
	OBS	00350	03.61	34.700	27.61		1470.6							
	STD	00400	03.68	34.71	27.61	00.423	1471.7							
	OBS	00403	03.69	34.715	27.61		1471.8							
	OBS	00453	03.89	34.848	27.70		1473.7							
	STD	00500	03.91	34.84	27.69	00.475	1474.5							
	OBS	00502	03.91	34.840	27.69		1474.5							
	OBS	00552	03.90	34.857	27.70		1475.6							
	STD	00600	03.97	34.89	27.72	00.518	1476.5							
	OBS	00601	03.57	34.850	27.72		1476.5							
	OBS	00651	04.00	34.910	27.74		1477.5							
	STD	00700	04.00	34.92	27.74	00.561	1478.3							
	OBS	00700	04.00	34.920	27.74		1478.3							
	OBS	00750	03.98	34.930	27.75		1479.1							
	OBS	00757	03.98	34.930	27.75		1479.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 0555	YEAR 1973	BOTDF 00237	AIR TEMP 12.3	OIR HGT PER	*IND-OIR 24	INST STO RECORDER	TEN SQ 1306
CONSEC 0162	MONTH 06	SHIP EV	WET BULB 12.3	00 0 A	#IND-SPO 10	TRACE DIR 0	5 SQUARE 2
LAT +3 45.7N	DAY 26	DATA USE 1	BAROMETR 1034.5	SEA	*IND-FDR	DURATION	2 SQUARE 28
LONG 049 07.7e	NOJ 1972	AREA 05	CLDUD T/A	CL/TR	WEATHER A4	ORIG 011 377	1 SQUARE 35

CASHTM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	ORYG	PJ4	TOT P	NO2	NO3	SIO3	PH
1972	STD	00000	07.53	32.54	25.43	00.000	1477.9							
	OB5	00005	07.53	32.540	25.43		1478.0							
	OB5	00007	05.67	32.280	25.47		1470.3							
	STD	00010	04.74	32.43	25.65	00.024	1466.7							
	OB5	00011	04.30	32.500	25.75		1464.9							
	OB5	00015	05.19	32.600	25.58		1460.5							
	STD	00020	03.11	32.61	25.55	00.046	1460.1							
	OB5	00022	02.56	32.620	26.01		1459.6							
	OB5	00026	02.56	32.620	26.01		1455.0							
	STD	00030	02.55	32.61	26.04	00.06c	1457.5							
	OB5	00030	02.51	32.610	26.04		1457.7							
	OB5	00034	02.37	32.650	26.05		1457.2							
	OB5	00038	01.43	32.650	26.15		1453.1							
	OB5	00041	00.29	32.650	26.36		1446.3							
	OB5	00045	- 0.20	32.530	26.47		1444.2							
	STD	00050	- 0.64	33.00	26.54	00.101	1444.4							
	OB5	00053	- 0.92	33.050	26.55		1445.2							
	STD	00075	- 1.39	33.19	26.72	00.136	1441.6							
	OB5	00076	- 1.39	33.200	26.75		1441.6							
	OB5	00081	- 1.15	33.380	26.87		1445.0							
	STD	00100	00.24	33.51	26.91	00.167	1453.0							
	OB5	00102	00.74	33.560	26.93		1452.4							
	OB5	00116	03.74	33.900	26.96		1466.2							
	STD	00125	02.59	33.76	26.95	00.155	1461.2							
	OB5	00125	02.52	33.750	26.95		1460.9							
	OB5	00129	02.15	33.720	26.95		1455.5							
	OB5	00137	01.18	33.870	27.08		1455.8							
	OB5	00140	01.34	33.780	27.06		1456.0							
	OB5	00144	01.30	33.820	27.10		1455.9							
	STD	00150	02.12	33.93	27.13	00.221	1455.8							
	OB5	00156	02.70	34.001	27.14		1462.5							
	OB5	00159	02.87	34.020	27.14		1463.3							
	OB5	00167	03.70	34.217	27.22		1467.3							
	OB5	00171	03.85	34.254	27.23		1468.2							
	OB5	00178	04.36	34.313	27.22		1470.4							
	OB5	00190	01.51	33.981	27.21		1457.8							
	STD	00200	01.40	33.99	27.23	00.26c	1457.5							
	OB5	00201	01.38	34.027	27.26		1457.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REF ID: 31 6355 YEAR: 1973 BODYP QUES5 AIR TEMP 12.3 DIR HGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1306  
 CONSEC 0153 MONTH 06 SHIP EV WET BULB 11.9 00 0 X WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 49.7N DAY 26 DATA USE 1 BAROMETR 1034.0 SEA ORIG 011 378 DURATION 2 SQUARE 28  
 LONG 046 00 W HGUR 15.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 378 1 SQUARE 39

CASNUM/TIME	LVL TYP	CEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	S103	PN
15.2	STO	00000	06.90	32.55	25.53	00.000	1475.4							
	OBS	00033	06.90	32.550	25.53		1475.5							
	OBS	00037	06.85	32.575	25.79		1467.5							
	STO	00010	04.44	32.61	25.87	00.023	1465.7							
	OBS	00011	04.22	32.625	25.50		1466.8							
	STO	00020	03.76	32.63	25.55	00.044	1463.0							
	OBS	00022	05.61	32.640	25.57		1462.4							
	STO	00030	03.23	32.65	26.04	00.064	1461.0							
	OBS	00033	03.18	32.654	26.05		1460.8							
	OBS	00034	02.67	32.778	26.16		1458.7							
	OBS	00038	01.88	32.934	26.35		1455.5							
	OBS	00041	00.60	32.931	26.42		1450.8							
	OBS	00045	- 0.06	32.932	26.46		1446.5							
	OBS	00045	- 0.14	33.213	26.69		1447.0							
	STO	00050	- 0.07	33.22	26.65	00.098	1447.3							
	OBS	00053	00.25	33.250	26.70		1448.9							
	OBS	00057	00.35	33.322	26.76		1449.5							
	OBS	00064	- 0.05	33.311	26.77		1447.6							
	OBS	00068	- 0.46	33.334	26.80		1446.0							
	OBS	00072	- 0.09	33.451	26.88		1447.9							
	STO	00075	- 0.24	33.43	26.87	00.125	1447.3							
	OBS	00076	- 0.25	33.426	26.87		1447.3							
	OBS	00087	- 0.63	33.480	26.93		1445.7							
	OBS	00091	00.02	33.552	26.96		1448.9							
	OBS	00095	00.44	33.625	27.00		1451.0							
	OBS	00095	01.11	33.680	26.99		1454.6							
	STO	00100	01.21	33.67	26.99	00.158	1454.6							
	OBS	00102	01.20	33.655	26.98		1454.6							
	OBS	00114	00.85	33.674	27.01		1453.4							
	STO	00125	01.08	33.77	27.08	00.184	1454.5							
	OBS	00125	01.09	33.778	27.08		1454.6							
	OBS	00144	01.64	33.647	27.18		1457.6							
	STO	00150	02.39	34.08	27.23	00.207	1461.2							
	OBS	00152	02.58	34.120	27.24		1462.1							
	OBS	00156	01.73	34.150	27.25		1462.9							
	OBS	00175	01.44	34.110	27.24		1461.9							
	OBS	00190	01.76	34.220	27.31		1463.6							
	OBS	00194	01.53	34.360	27.30		1465.1							
	STO	00200	04.01	34.37	27.31	00.248	1469.3							
	OBS	00201	04.01	34.375	27.31		1469.4							
	OBS	00213	04.01	34.470	27.39		1465.7							
	OBS	00217	04.67	34.575	27.40		1472.7							
	OBS	00224	04.59	34.590	27.42		1472.5							
	OBS	00224	04.11	34.510	27.41		1470.4							
	OBS	00236	04.05	34.517	27.41		1470.5							
	STO	00250	03.75	34.50	27.44	00.285	1465.3							
	OBS	00251	03.72	34.503	27.44		1465.1							
	OBS	00255	03.76	34.510	27.44		1465.4							
	OBS	00258	04.31	34.570	27.43		1471.8							
	OBS	00266	04.01	34.537	27.44		1470.7							
	OBS	00270	03.65	34.470	27.42		1465.1							
	OBS	00293	04.48	34.670	27.49		1473.2							
	STO	00300	04.28	34.63	27.48	00.318	1472.5							
	OBS	00312	04.01	34.585	27.48		1471.5							
	OBS	00350	03.75	34.700	27.60		1471.2							
	OBS	00357	03.52	34.700	27.62		1470.3							
	OBS	00376	03.75	34.720	27.61		1471.8							
	OBS	00380	04.05	34.845	27.68		1473.3							
	STO	00400	04.25	34.84	27.66	00.374	1474.3							
	OBS	00403	04.27	34.842	27.65		1474.4							
	OBS	00453	04.25	34.912	27.71		1475.3							
	STO	00500	04.12	34.91	27.72	00.420	1475.5							
	OBS	00502	04.12	34.910	27.72		1475.5							
	OBS	00552	04.05	34.910	27.73		1476.2							
	STO	00600	04.08	34.91	27.73	00.463	1477.0							
	OBS	00601	04.08	34.910	27.73		1477.0							
	OBS	00651	04.03	34.922	27.74		1477.6							
	OBS	00654	04.03	34.915	27.74		1477.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOJC STATION DATA

REF ID: 51 5555 YEAR: 1973 TOTOP: 0254 AIR TEMP: 12.5 DIR: MUF PER WIND-DIR: 15 INST: STO RECORDER TEN SQ: 206  
 COMSEC: 3.94 MONTH: 06 SHIP EV: WET: 0JLB 12.5 WIND-SPO: 08 TRACE DIR: 0 5 SQUARE: 2  
 LAT: +3 49.54 DAY: 20 DATA USE: 1 BAROMETR: 1033.7 SEA WIND-FOR: DURATION: 2 SQUARE: 28  
 LONG: 048 44.1W HOUR: 17.1 AREA: 05 CLOUD: T/A CL/TR: WEATHER: 44 ORIG: 011 375 1 SQUARE: 58

STATION/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DATE	PO4	TOT P	NO2	NO3	SIG3	PH
17.1	STD	00000	03.10	32.85	25.63	00.000	1480.6							
	065	00003	08.10	32.894	25.63		1480.6							
	085	00007	07.70	32.990	25.76		1479.3							
	STD	00010	06.65	32.92	25.85	00.023	1475.1							
	065	00011	06.41	32.900	25.89		1475.3							
	085	00015	06.15	32.966	25.95		1473.3							
	STD	00020	05.94	32.93	25.94	00.044	1472.4							
	085	00022	05.24	32.841	25.96		1469.5							
	STD	00030	02.65	32.84	26.22	00.063	1458.7							
	065	00030	02.42	32.840	26.23		1457.7							
	085	00034	00.45	32.738	26.28		1448.7							
	065	00038	- 0.05	33.006	26.56		1442.1							
	085	00043	- 1.40	33.134	26.68		1440.7							
	STD	00050	- 1.42	33.15	26.69	00.095	1440.9							
	065	00053	- 1.35	33.160	26.70		1441.1							
	085	00060	- 0.72	33.355	26.83		1444.7							
	085	00064	- 0.22	33.490	26.92		1447.3							
	085	00068	0.00	33.757	27.06		1455.5							
	085	00072	03.01	33.535	27.06		1462.4							
	STD	00075	03.40	34.00	27.07	00.125	1464.5							
	085	00076	03.58	34.020	27.07		1465.0							
	085	00083	03.27	33.993	27.08		1463.8							
	085	00087	04.53	34.235	27.14		1469.5							
	STD	00100	06.22	34.47	27.13	00.145	1476.5							
	085	00102	06.42	34.459	27.12		1477.8							
	085	00114	06.54	34.500	27.11		1478.5							
	STD	00125	06.29	34.50	27.14	00.175	1477.0							
	085	00125	06.26	34.505	27.15		1477.6							
	085	00140	06.37	34.503	27.13		1476.2							
	085	00144	06.14	34.460	27.13		1477.5							
	STD	00150	05.68	34.48	27.17	00.196	1476.8							
	085	00152	05.66	34.457	27.18		1476.8							
	085	00156	05.68	34.532	27.21		1476.9							
	085	00159	06.20	34.570	27.21		1477.9							
	085	00182	06.12	34.557	27.21		1478.0							
	085	00194	05.61	34.500	27.23		1476.0							
	STD	00200	04.91	34.39	27.22	00.242	1473.1							
	085	00201	04.57	34.360	27.24		1471.7							
	085	00205	03.66	34.320	27.30		1467.9							
	085	00220	04.51	34.570	27.41		1472.0							
	085	00224	04.70	34.580	27.40		1472.9							
	085	00228	03.12	34.665	27.42		1474.8							
	STD	00250	03.36	34.71	27.42	00.281	1476.2							
	085	00251	03.37	34.713	27.43		1476.3							
	085	00258	03.29	34.690	27.42		1476.0							
	085	00277	03.04 P	34.718	27.470									
	085	00285	03.24 P	34.75 P	27.470									
	085	00293	04.48	34.590	27.45 *		1473.1							
	085	00297	04.28	34.49 P	27.370 *									
	STD	00300	03.78	34.55	27.48	00.315	1470.5							
	085	00300	03.65	34.48 P	27.430 *									
	085	00304	03.45	34.40 P	27.360 *									
	085	00308	03.20	34.523	27.51		1467.9							
	085	00335	03.84 P	34.535	27.45 *									
	085	00338	03.22	34.45 P	27.450									
	085	00342	02.98	34.500	27.51		1467.5							
	085	00350	03.02	34.563	27.56		1467.5							
	085	00373	03.35	34.623	27.57		1465.7							
	STD	00400	03.97	34.74	27.61	00.373	1473.0							
	085	00403	04.05	34.745	27.60		1473.4							
	085	00418	03.78	34.713	27.60		1472.4							
	085	00453	04.03	34.840	27.68		1474.2							
	STD	00500	04.03	34.86	27.69	00.423	1475.0							
	085	00502	04.03	34.860	27.69		1475.1							
	085	00552	04.10	34.860	27.69		1476.2							
	085	00563	04.02	34.857	27.65		1476.0							
	085	00567	03.55 P	34.860	27.740									
	085	00571	04.06	34.860	27.65 *		1476.3							
	STD	00600	04.03	34.89	27.72	00.466	1476.7							
	085	00601	04.03	34.890	27.72		1476.8							
	085	00635	03.67	34.910	27.75		1476.7							
	085	00639	03.49 P	34.510	27.790									
	085	00643	03.53 P	34.520	27.750									
	085	00647	03.32 P	34.910	27.800									

TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A														
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SWD VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
OBS		00651	03.36 P	34.915	27.800									
OBS		00658	04.01	34.920	27.74 *		1477.7							
OBS		00666	04.03	34.950	27.75		1477.9							
OBS		00670	03.67 P	34.927	27.780									
OBS		00677	03.58	34.920	27.75 *		1477.9							
OBS		00681	03.64 P	34.920	27.780									
OBS		00685	04.08	34.935	27.75 *		1478.5							
STO		00700	04.05	34.93	27.75	00.512	1478.5							
OBS		00700	03.73 P	34.950	27.780									
JBS		00704	03.53 P	34.910	27.780									
OBS		00708	04.02	34.910	27.73 *		1478.5							
OBS		00711	03.55 P	34.910	27.800									
OBS		00715	04.06	34.910	27.73 *		1478.9							
OBS		00719	03.62 P	34.925	27.790									
OBS		00723	04.04	34.950	27.75 *		1478.9							
OBS		00727	03.42 P	34.950	27.810									
OBS		00751	04.00	34.915	27.74 *		1478.8							
OBS		00734	03.96	34.920	27.75		1478.7							
OBS		00756	03.26 P	34.917	27.810									
OBS		00746	03.53	34.950	27.76 *		1478.8							
OBS		00750	03.52	34.925	27.76		1478.8							
OBS		00755	03.64	34.954	27.77		1475.2							
OBS		00756	03.46 P	34.952	27.810									
STC		00800	03.86	34.93	27.77 *	00.554	1475.4							
OBS		00803	03.55 P	34.937	27.760									
OBS		00822	03.75 P	34.953	27.780									
OBS		00826	03.55	34.920	27.75 *		1480.2							
OBS		00852	03.52	34.940	27.77		1480.5							
STO		00900	03.65	34.94	27.77	00.555	1481.2							
JBS		00904	03.89	34.935	27.77		1481.2							
OBS		00951	03.80	34.930	27.77		1481.8							
OBS		00955	03.76	34.930	27.77		1481.6							
OBS		00955	03.54 P	34.930	27.800									
OBS		00965	03.83	34.950	27.77 *		1482.0							
STO		01000	03.86	34.92	27.76	00.635	1482.7							
JBS		01001	03.86	34.917	27.76		1482.7							
OBS		01012	03.86	34.910	27.75		1482.5							
OBS		01024	03.86	34.910	27.75		1482.1							
STO		01100	03.88	34.92	27.75	00.684	1484.5							
OBS		01100	03.68	34.917	27.75		1484.5							
STO		01200	03.63	34.92	27.76	00.729	1485.9							
OBS		01205	03.83	34.915	27.76		1486.0							
JBS		01225	03.80	34.914	27.76		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 33249 AIR TEMP 13.2 OIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1306  
 CONSEC 3155 MONTH 06 SHIP EV WET BULB 13.2 00 0 0 WIND-SPO 10 TRACE OIR 0 5 SQUARE 2  
 LAT 43 50.5N DAY 26 DATA USE 1 BAROMETR 1034.0 SEA WIND-FDR DURATION 2 SQUARE 28  
 LONG 046 24.8W HOUR 19.5 AREA 05 CLOUD T/A CL/TR WEATHER 44 ORIG-011 380 1 SQUARE 38

CASNUM/TIME	LVL/TYP	DEP/TH	TEMP	SAL	SIGMA-T	DYNOP/TH	SND VEL	OXYG	PC4	TOT P	MO2	MO3	S103	PH
19.5	STO	00000	10.82	33.33	25.53	00.000	1494.2							
	OBS	00003	10.82	33.331	25.53		1491.3							
	OBS	00007	09.66	33.367	25.75		1487.2							
	STO	00010	09.65	33.56	25.90	00.023	1487.6							
	OBS	00011	09.65	33.657	25.98		1487.7							
	OBS	00015	09.58	33.857	26.15		1487.6							
	OBS	00019	11.15	34.280	26.20		1454.0							
	STO	00020	11.34	34.32	26.20	00.043	1494.7							
	OBS	00022	11.66	34.420	26.22		1495.5							
	OBS	00026	11.82	34.542	26.29		1496.7							
	STO	00033	11.65	34.50	26.25	00.060	1458.1							
	OBS	00033	11.57	34.490	26.25		1495.8							
	OBS	00041	05.76	33.574	26.48		1472.5							
	OBS	00045	04.51	33.650	26.71		1468.0							
	OBS	00049	04.62	33.961	26.89		1465.7							
	STO	00050	05.10	34.01	26.90	00.090	1470.9							
	OBS	00057	06.81	34.350	26.95		1478.4							
	OBS	00063	05.97	34.253	26.97		1474.9							
	OBS	00068	05.26	34.167	27.01		1472.1							
	OBS	00072	05.32	34.166	27.00		1472.4							
	STO	00075	05.17	34.17	27.02	00.117	1471.5							
	OBS	00076	05.13	34.168	27.02		1471.7							
	OBS	00099	06.17	34.440	27.11		1476.6							
	STO	00100	06.25	34.48	27.11	00.143	1477.2							
	OBS	00102	06.56	34.530	27.11		1478.3							
	OBS	00114	06.82	34.562	27.12		1475.6							
	STO	00125	06.25	34.48	27.12	00.167	1477.4							
	OBS	00125	06.23	34.460	27.12		1477.3							
	OBS	00148	05.81	34.455	27.20		1476.1							
	STO	00150	05.97	34.53	27.21	00.191	1476.8							
	OBS	00152	08.20	34.580	27.22		1477.6							
	OBS	00167	07.56	34.824	27.22		1483.8							
	OBS	00175	06.97	34.725	27.23		1481.4							
	OBS	00182	07.06	34.723	27.21		1481.9							
	OBS	00198	06.89	34.700	27.22		1481.5							
	STO	00200	06.42	34.62	27.22	00.235	1475.5							
	OBS	00231	06.11	34.573	27.22		1478.3							
	OBS	00206	05.97	34.580	27.25		1477.8							
	OBS	00228	05.18	34.512	27.29		1474.5							
	OBS	00235	05.17	34.554	27.32		1475.1							
	OBS	00245	04.92	34.495	27.31		1474.0							
	STO	00250	04.93	34.56	27.36	00.276	1474.2							
	OBS	00251	04.93	34.574	27.37		1474.3							
	OBS	00277	05.33	34.720	27.44		1476.6							
	STO	00300	05.03	34.68	27.44	00.312	1475.7							
	OBS	00303	05.02	34.675	27.44		1475.6							
	OBS	00312	04.83	34.657	27.48		1475.0							
	OBS	00316	05.04	34.718	27.47		1476.0							
	OBS	00350	05.10	34.800	27.53		1476.9							
	OBS	00357	04.99	34.780	27.52		1476.6							
	OBS	00365	05.23	34.677	27.57		1477.8							
	OBS	00373	05.27	34.864	27.56		1478.1							
	OBS	00380	04.88	34.815	27.56		1476.5							
	OBS	00384	04.78	34.820	27.58		1476.2							
	OBS	00392	05.11	34.930	27.63		1477.8							
	OBS	00395	05.01	34.925	27.64		1477.5							
	STO	00400	05.11	34.93	27.63	00.373	1477.9							
	OBS	00403	05.18	34.930	27.62		1476.5							
	OBS	00453	05.18	34.910	27.60		1475.1							
	STO	00500	04.95	34.93	27.65	00.425	1479.0							
	OBS	00502	04.94	34.930	27.65		1475.0							
	OBS	00548	04.72	34.920	27.67		1478.8							
	OBS	00552	04.56	34.912	27.68		1478.2							
	STO	00600	04.60	34.93	27.69	00.474	1475.2							
	OBS	00601	04.60	34.930	27.69		1479.2							
	OBS	00651	04.56	34.930	27.69		1475.8							
	OBS	00664	04.37	34.920	27.70		1475.3							
	OBS	00681	04.33	34.910	27.70		1475.4							
	STO	00700	04.25	34.91	27.71	00.522	1479.3							
	OBS	00709	04.23	34.910	27.71		1479.3							
	OBS	00753	04.33	34.920	27.71		1480.5							
	OBS	00776	04.21	34.910	27.71		1480.4							
	STO	00800	04.31	34.92	27.71	00.569	1481.3							
	OBS	00803	04.32	34.926	27.71		1481.4							
	OBS	00852	04.20	34.930	27.72		1481.9							
	STO	00900	04.20	34.91	27.72	00.617	1482.5							
	OBS	00902	04.17	34.910	27.72		1482.4							
	OBS	00913	03.99	34.917	27.74		1481.8							
	OBS	00917	04.17	34.920	27.73		1482.0							
	OBS	00951	04.18	34.920	27.73		1483.1							
	OBS	00970	03.99	34.910	27.74		1482.8							
	STO	01000	04.06	34.91	27.73	00.664	1482.5							
	OBS	01001	04.06	34.910	27.73		1483.6							
	STO	01100	03.89	34.93	27.76	00.710	1480.5							
	OBS	01100	03.89	34.930	27.76		1484.5							
	OBS	01145	03.77	34.928	27.77		1484.8							
	STO	01200	03.81	34.93	27.77	00.754	1485.9							
	OBS	01200	03.81	34.930	27.77		1485.9							
	OBS	01225	03.75	34.930	27.77		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 3133 YEAR 1973 BOTOP 0332 AIR TEMP 14.5 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SJ 336  
 CONSEL 0.40 MNTH 06 SHIP EV WET BULB 14.5 DIR 0 0 X WIND-SPD 08 TRACE DIR 0 5 SQUARE 2  
 LAT 43 48.4N DAY 26 DATA USE 1 BAROMETR 1053.4 SEA WIND-FOR URATION 2 SQUARE 28  
 LONG 048 04.2W HOUR 21.5 AREA 05 CLDWD T/A CL/TR WEATHER 46 ORIG 011 301 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
21.5	STD	00030	13.04	33.83	25.22	00.030	1501.3							
	OBS	00033	13.04	33.832	25.22		1501.4							
	OBS	00037	12.84	34.355	26.01		1495.3							
	STD	00010	12.31	34.33	26.03	00.024	1497.9							
	OBS	00011	12.13	34.316	26.05		1497.2							
	OBS	00015	11.68	34.368	26.18		1495.8							
	STD	00020	11.50	34.37	26.21	00.043	1495.3							
	OBS	00022	11.36	34.368	26.24		1494.8							
	STD	00050	10.86	34.33	26.30	00.061	1493.1							
	OBS	00030	10.83	34.324	26.30		1493.0							
	OBS	00034	10.61	34.262	26.29		1492.2							
	OBS	00038	10.03	34.142	26.30		1490.0							
	OBS	00041	08.93	33.537	26.32		1485.8							
	OBS	00045	07.64	33.514	26.50		1480.9							
	OBS	00049	06.67	33.571	26.67		1477.2							
	STD	00050	06.84	33.95	26.69	00.052	1477.4							
	OBS	00053	06.42	34.033	26.78		1476.4							
	OBS	00057	05.28	33.859	26.79		1471.6							
	OBS	00060	06.11	34.230	26.94		1475.7							
	OBS	00072	05.53	34.240	26.98		1475.0							
	STD	00075	05.12	34.13	26.99	00.122	1471.6							
	OBS	00076	04.80	34.085	26.99		1470.5							
	OBS	00087	04.48	34.057	27.01		1469.0							
	OBS	00095	05.45	34.250	27.05		1473.4							
	STD	00100	05.31	34.26	27.07	00.148	1472.9							
	OBS	00102	05.23	34.258	27.08		1472.7							
	OBS	00106	03.54	34.350	27.12		1474.1							
	OBS	00110	06.11	34.473	27.14		1476.6							
	OBS	00114	06.23	34.520	27.17		1477.2							
	OBS	00118	06.57	34.582	27.17		1478.7							
	OBS	00121	07.17	34.710	27.19		1481.5							
	STD	00125	07.26	34.73	27.19	00.172	1482.8							
	OBS	00125	07.29	34.730	27.19		1481.9							
	OBS	00133	07.83	34.825	27.18		1484.2							
	OBS	00137	07.79	34.810	27.18		1484.1							
	OBS	00144	07.28	34.735	27.17		1482.1							
	OBS	00148	07.18	34.720	27.19		1481.8							
	STD	00150	07.33	34.77	27.21	00.195	1482.5							
	OBS	00152	07.52	34.835	27.24		1483.4							
	OBS	00175	07.44	34.820	27.24		1483.4							
	OBS	00178	06.74	34.730	27.24		1480.6							
	OBS	00186	06.57	34.690	27.25		1480.0							
	OBS	00190	05.88	34.580	27.26		1477.3							
	STD	00200	05.88	34.58	27.26	00.238	1477.3							
	OBS	00201	05.86	34.585	27.26		1477.3							
	OBS	00209	05.61	34.550	27.27		1476.3							
	OBS	00228	05.76	34.685	27.36		1477.4							
	STD	00250	05.63	34.72	27.37	00.278	1476.1							
	OBS	00251	05.83	34.718	27.37		1478.2							
	OBS	00266	05.43	34.670	27.38		1476.7							
	OBS	00274	05.76	34.737	27.37		1478.2							
	OBS	00277	05.74	34.700	27.37		1476.2							
	STD	00300	05.61	34.71	27.39	00.315	1478.0							
	OBS	00300	05.60	34.706	27.39		1478.0							
	OBS	00350	04.57	34.703	27.46		1476.3							
	OBS	00373	05.43	34.877	27.55		1476.7							
	OBS	00382	05.50	34.920	27.57		1475.4							
	STD	00400	05.27	34.86	27.55	00.362	1478.5							
	OBS	00403	05.21	34.850	27.55		1478.3							
	OBS	00415	05.16	34.870	27.57		1478.3							
	OBS	00434	05.40	34.915	27.58		1479.7							
	OBS	00445	05.39	34.933	27.64		1475.9							
	OBS	00449	05.65	35.057	27.66		1481.1							
	OBS	00453	05.67	35.307	27.67		1481.3							
	STD	00500	05.46	35.06	27.65	00.436	1481.2							
	OBS	00502	05.45	35.055	27.65		1481.2							
	OBS	00552	05.19	35.046	27.71		1481.0							
	STD	00600	05.09	35.05	27.73	00.482	1481.4							
	OBS	00601	05.06	35.033	27.73		1481.3							
	OBS	00616	04.91	35.020	27.72		1480.8							
	OBS	00651	04.90	35.056	27.75		1481.4							
	STD	00700	04.63	35.06	27.76	00.527	1482.2							
	OBS	00700	04.84	35.060	27.76		1482.2							
	OBS	00700	04.76	35.050	27.76		1482.6							
	OBS	00757	04.75	35.044	27.76		1482.6							
	OBS	00761	04.54	35.015	27.76		1481.7							
	STD	00800	04.54	35.02	27.77	00.570	1482.4							
	OBS	00803	04.54	35.025	27.77		1482.4							
	OBS	00850	04.44	35.017	27.77		1482.9							
	OBS	00879	04.14	34.970	27.77		1481.5							
	STD	00900	04.12	34.96	27.76	00.612	1482.2							
	OBS	00913	04.27 P	35.31 P	27.750									
	OBS	00928	04.34 P	35.01 P	27.760									
	STD	01000	04.03	34.94	27.76	00.656	1483.4							
	OBS	01016	04.01	34.940	27.76		1483.0							
	OBS	01020	04.02	34.940	27.76		1483.8							
	STD	01100	03.55	34.94	27.76	00.701	1484.8							
	OBS	01100	03.55	34.938	27.76		1484.8							
	STD	01200	03.88	34.93	27.77	00.746	1486.2							
	OBS	01203	03.88	34.933	27.77		1486.2							
	OBS	01229	03.85	34.940	27.76		1486.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 8055	YEAR 1973	BOTOP 03090	AIR TEMP 14.9	DIR MGT PER	WIND-DIR 22	INST STO RECORDER	TEM SJ 130E
CONSEC 0197	MONTH 06	SHIP EV	WET 8ULB 14.9	00 0 X	WIND-SPD 06	TRACE DIR 0	5 SQUARE 2
LAT 43 44.5N	DAY 27	DATA USE 1	BAROMETR 1054.0	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 047 45.W	MOJR 00.0	AREA 05	CLOUD 7/A	CL/TR	WEATHER X4	DRIG 011 362	1 SQUARE 57

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PN
00.0	STO	00300	14.22	34.02	25.40	00.000	1533.7							
	OBS	00303	14.22	34.017	25.40		1503.7							
	OBS	00307	14.17	34.010	25.41		1503.6							
	STO	00310	13.23	33.92	25.53	00.025	1500.4							
	OBS	00011	12.82	33.860	25.57		1499.0							
	OBS	00015	12.24	34.311	26.03		1457.7							
	OBS	00019	12.20	34.299	26.10		1457.8							
	STO	00020	12.16	34.29	26.10	00.047	1457.6							
	OBS	00022	12.02	34.386	26.13		1457.1							
	OBS	00026	11.47	34.445	26.18		1457.1							
	STO	00030	11.73	34.44	26.22	00.066	1456.3							
	OBS	00030	11.72	34.435	26.22		1456.3							
	OBS	00034	11.79	34.522	26.28		1496.7							
	OBS	00041	10.82	34.535	26.31		1455.2							
	OBS	00045	10.83	34.570	26.34		1493.3							
	OBS	00049	07.83	33.817	26.39		1481.5							
	STO	00050	07.72	33.92	26.49	00.100	1481.3							
	OBS	00053	07.47	34.400	26.90		1481.0							
	OBS	00057	08.15	34.510	26.89		1483.8							
	OBS	00060	09.27	34.740	26.89		1488.4							
	OBS	00068	08.91	34.710	26.93		1487.1							
	STO	00075	07.98	34.52	26.92	00.134	1483.5							
	OBS	00076	07.89	34.507	26.92		1483.1							
	OBS	00085	07.80	34.500	26.93		1482.5							
	OBS	00087	07.28	34.505	27.01		1480.9							
	OBS	00099	07.32	34.570	27.06		1481.3							
	STO	00100	07.46	34.61	27.07	00.161	1482.0							
	OBS	00102	07.83	34.700	27.08		1463.6							
	STO	00125	07.74	34.69	27.09	00.186	1463.6							
	OBS	00125	07.74	34.690	27.09		1483.6							
	OBS	00144	07.62	34.696	27.11		1483.4							
	STO	00150	06.88	34.85	27.10	00.211	1480.5							
	OBS	00152	06.87	34.507	27.10		1475.6							
	OBS	00159	06.43	34.480	27.11		1478.7							
	OBS	00163	06.67	34.513	27.10		1475.8							
	OBS	00173	06.21	34.527	27.17		1478.2							
	OBS	00178	06.27	34.535	27.17		1476.5							
	OBS	00182	05.85	34.485	27.19		1476.8							
	STO	00200	05.64	34.50	27.22	00.258	1476.3							
	OBS	00201	05.63	34.502	27.23		1476.2							
	OBS	00243	05.77	34.573	27.27		1477.6							
	STO	00250	05.65	34.63	27.32	00.300	1477.4							
	OBS	00251	05.67	34.638	27.33		1477.4							
	OBS	00258	06.30	34.720	27.31		1480.2							
	OBS	00274	06.28	34.735	27.33		1480.4							
	OBS	00277	06.16	34.717	27.33		1479.9							
	STO	00300	05.96	34.70	27.34	00.340	1479.5							
	OBS	00300	05.65	34.655	27.35		1479.0							
	OBS	00304	05.23	34.650	27.39		1476.5							
	OBS	00312	05.30	34.680	27.41		1477.0							
	OBS	00319	04.97	34.665	27.43		1475.7							
	OBS	00327	05.60	34.752	27.43		1478.5							
	OBS	00335	05.97	34.806	27.42		1460.2							
	OBS	00346	05.66	34.616	27.47		1475.2							
	OBS	00357	05.14	34.720	27.46		1477.1							
	STO	00400	05.70	34.92	27.55	00.405	1480.3							
	OBS	00403	05.73	34.926	27.55		1480.5							
	OBS	00426	05.84	34.930	27.54		1481.4							
	OBS	00434	05.42	34.917	27.58		1475.8							
	OBS	00456	05.16	34.877	27.58		1479.0							
	STO	00500	05.12	34.85	27.60	00.467	1479.6							
	OBS	00586	05.03	34.930	27.64		1480.7							
	STO	00600	05.07	34.96	27.65	00.521	1481.1							
	OBS	00631	05.07	34.960	27.66		1481.2							
	STO	00700	04.77	34.96	27.69	00.571	1481.6							
	OBS	00700	04.77	34.960	27.69		1481.6							
	OBS	00727	04.71	34.930	27.67		1481.7							
	OBS	00750	04.51	34.940	27.70		1481.3							
	STO	00800	04.31	34.91	27.70	00.620	1481.2							
	OBS	00803	04.30	34.910	27.71		1481.3							
	OBS	00852	04.25	34.910	27.71		1481.9							
	STO	00900	04.18	34.91	27.72	00.668	1482.4							
	OBS	00902	04.17	34.910	27.72		1482.4							
	OBS	00951	04.03	34.930	27.75		1482.6							
	STO	01000	04.02	34.93	27.75	00.715	1483.4							
	OBS	01001	04.02	34.927	27.75		1483.4							
	STO	01100	03.97	34.92	27.75	00.760	1484.9							
	OBS	01104	03.97	34.922	27.75		1484.9							
	STO	01200	03.87	34.93	27.77	00.806	1486.2							
	OBS	01203	03.87	34.930	27.77		1486.2							
	OBS	01237	03.83	34.930	27.77		1486.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOCL STATION DATA

REFUG 31 #335	YEAR 1973	80TOP 03000	AIR TEMP 14.5	DIR MGT PER	WIND-DIR 24	INST S70 RECORDER	TEN SQ 1306
CONSEC 0158	MONTH 06	SHIP EV	MET BULB 14.8	00 J A	WIND-SPO 08	TRACE DIA 0	5 SQUARE 2
LAT 43 41.1N	DAY 27	DATA USE 1	BAROMETER 1033.9	SEA	WIND-FQR	QUARTION	2 SQUARE 26
LONG 047 28.0W	HOOR 02.2	AREA 05	CLOUD T/A	CL/7R	WEATHER X4	DRIG .011 303	1 SQUARE 37

CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
02.2	ST0	00000	13.05	32.80	24.70	00.000	1496.3							
	085	00003	13.05	32.803	24.70		1498.4							
	065	00007	14.57	32.540	25.09		1455.5							
	ST0	00010	11.88	35.29	25.31	00.030	1455.1							
	085	00011	12.10	33.440	25.38		1456.0							
	065	00015	12.81	33.473	25.42		1458.8							
	085	00019	12.82	35.073	25.42		1458.9							
	ST0	00020	12.84	35.05	25.43	00.056	1498.3							
	085	00022	11.70	33.604	25.58		1455.0							
	085	00026	09.42	33.704	26.10		1487.1							
	ST0	00030	08.38	33.80	26.25	00.077	1463.3							
	085	00033	08.30	33.813	26.32		1483.0							
	085	00034	08.22	34.000	26.48		1483.0							
	085	00036	07.51	33.553	26.54		1480.5							
	065	00041	07.83	34.500	26.93		1482.3							
	085	00045	11.80	35.373	26.54		1498.0							
	ST0	00050	11.81	35.37	26.93	00.106	1456.1							
	085	00053	11.82	35.370	26.93		1498.2							
	085	00060	11.14	35.200	26.92		1495.7							
	085	00064	11.11	35.192	26.92		1495.7							
	085	00072	10.51	35.007	26.95		1492.5							
	ST0	00075	09.78	34.94	26.96	00.135	1450.7							
	085	00076	09.59	34.857	26.96		1450.0							
	085	00079	09.44	34.865	26.96		1489.5							
	065	00083	09.08	34.850	26.95		1488.2							
	085	00087	08.36	34.885	26.95		1485.3							
	085	00091	08.29	34.899	27.01		1485.1							
	085	00095	08.11	34.840	27.04		1476.2							
	ST0	00100	08.12	34.84	27.04	00.162	1476.3							
	085	00102	08.12	34.843	27.04		1476.4							
	ST0	00125	08.56	34.45	27.10	00.187	1478.7							
	085	00125	08.58	34.498	27.10		1478.8							
	085	00137	08.96	34.605	27.13		1400.6							
	ST0	00150	07.15	34.65	27.14	00.211	1401.6							
	085	00156	07.40	34.667	27.15		1482.1							
	085	00175	07.59	34.715	27.13		1483.8							
	065	00182	07.42	34.713	27.15		1483.3							
	065	00196	08.73	34.585	27.15		1480.7							
	ST0	00200	08.71	34.58	27.15	00.259	1480.6							
	085	00201	08.65	34.576	27.15		1480.6							
	065	00220	08.26	34.583	27.21		1475.2							
	065	00232	07.70	34.910	27.26		1480.7							
	ST0	00236	07.88	34.940	27.26		1486.3							
	ST0	00250	07.87	34.82	27.20	00.306	1485.5							
	085	00256	07.11	34.757	27.23		1483.4							
	085	00262	08.77	34.734	27.26		1482.1							
	065	00277	08.45	34.708	27.28		1481.1							
	ST0	00300	08.35	34.84	27.40	00.347	1481.2							
	085	00300	08.35	34.848	27.41		1481.2							
	085	00361	08.46	34.920	27.45		1482.8							
	085	00365	08.43	34.910	27.45		1482.7							
	085	00369	05.83	34.833	27.46		1480.2							
	085	00384	05.79	34.870	27.50		1480.4							
	ST0	00400	05.76	34.93	27.55	00.414	1480.6							
	085	00405	05.75	34.930	27.55		1480.6							
	085	00437	05.77	34.925	27.54		1480.8							
	085	00411	05.54	34.880	27.54		1479.8							
	065	00441	05.77	34.925	27.54		1481.3							
	085	00445	05.97	34.940	27.53		1482.3							
	085	00456	05.97	34.910	27.51		1482.4							
	ST0	00500	05.55	34.93	27.58	00.473	1481.4							
	085	00502	05.53	34.935	27.58		1481.4							
	ST0	00600	05.37	34.99	27.64	00.529	1482.4							
	085	00601	05.37	34.990	27.64		1482.4							
	ST0	00700	05.00	34.92	27.63	00.585	1482.4							
	085	00708	04.96	34.910	27.63		1482.4							
	085	00757	04.85	34.940	27.68		1482.2							
	ST0	00800	04.60	34.94	27.70	00.636	1482.5							
	085	00803	04.59	34.940	27.70		1482.5							
	085	00852	04.44	34.933	27.71		1482.7							
	ST0	00900	04.40	34.94	27.72	00.685	1483.3							
	085	00902	04.40	34.940	27.72		1483.4							
	085	00951	04.27	34.927	27.72		1483.6							
	ST0	01000	04.24	34.92	27.72	00.733	1484.3							
	085	01001	04.24	34.920	27.72		1484.3							
	ST0	01100	04.16	34.93	27.73	00.782	1485.7							
	085	01100	04.16	34.928	27.73		1485.7							
	085	01195	03.93	34.930	27.76		1486.3							
	085	01199	04.11	34.960	27.76		1487.1							
	ST0	01200	04.10	34.96	27.76	00.825	1487.1							
	085	01203	04.08	34.935	27.75		1487.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 0355 YEAR 1973 8JTOP 04530 AIR TEMP 14.0 OIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SJ 1306  
 CONSEC 0199 MONTM 06 SHIP EV WET BULB 14.0 QD 0 X WIND-SPD 06 TRACE OIR 0 5 SQUARE 2  
 LAT 43 55.5N DAY 27 DATA USE 1 BAROMETER 1033.3 SEA WIND-FOR DURATION 2 SQUARE 2  
 LONG 047 26.7W HOUR 04.3 AREA 05 CLOUD 1/A CL/TR WEATHER X4 DRID 011 384 1 SQUARE 37

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	SIG3	PH
	STD	00000	10.02	33.00	25.27	00.000	1490.8							
04.3	085	00003	10.82	32.597	25.27		1490.9							
	STD	00010	10.08	32.86	25.25	00.027	1488.1							
	085	00011	05.60	32.650	25.35		1487.1							
	085	00015	06.82	32.867	25.50		1483.5							
	085	00019	05.02	32.520	25.51		1484.4							
	STD	00020	06.91	32.57	25.56	00.053	1484.1							
	085	00024	08.55	33.020	25.65		1483.0							
	085	00026	05.03	32.503	26.03		1488.8							
	STD	00030	03.50	33.09	26.30	00.073	1484.4							
	085	00030	03.80	33.117	26.33		1484.0							
	085	00036	04.13	33.395	26.52		1485.9							
	085	00041	04.86	33.608	26.61		1485.3							
	085	00045	05.16	33.834	26.76		1470.9							
	085	00049	07.50	34.453	26.94		1481.1							
	STD	00050	07.60	34.47	26.94	00.102	1481.5							
	085	00053	06.08	34.575	26.95		1483.6							
	085	00057	06.26	34.652	27.01		1484.5							
	085	00060	06.97	34.865	27.04		1487.4							
	085	00064	05.23	34.915	27.05		1488.5							
	STD	00075	05.23	34.51	27.03	00.130	1488.7							
	085	00076	05.23	34.506	27.03		1488.7							
	085	00079	05.22	34.521	27.04		1488.7							
	085	00085	08.24	34.715	27.04		1485.0							
	STD	00100	06.35	34.75	27.08	00.155	1485.6							
	085	00102	06.36	34.808	27.05		1485.8							
	085	00110	06.34	34.770	27.06		1485.7							
	STD	00125	07.74	34.72	27.11	00.180	1483.6							
	085	00129	07.73	34.715	27.11		1482.6							
	STD	00130	07.52	34.85	27.17	00.204	1488.9							
	085	00152	07.94	34.827	27.17		1485.0							
	085	00155	07.40	34.823	27.17		1484.9							
	085	00176	07.51	34.777	27.19		1483.7							
	STD	00200	07.65	34.84	27.22	00.250	1484.7							
	085	00228	07.85	34.920	27.25		1486.0							
	085	00232	07.42	34.833	27.25		1484.3							
	085	00236	07.01	34.777	27.26		1482.7							
	STD	00250	06.77	34.81	27.32	00.292	1482.0							
	085	00255	06.71	34.825	27.34		1481.9							
	STD	00300	07.13	34.51	27.35	00.322	1484.4							
	085	00306	07.21	34.524	27.35		1484.8							
	085	00312	06.56	34.510	27.37		1483.9							
	085	00316	06.53	34.510	27.38		1483.8							
	085	00342	06.02	34.840	27.44		1480.6							
	085	00365	06.02	34.922	27.43		1483.5							
	085	00369	06.23	34.935	27.49		1482.0							
	085	00388	05.75	34.920	27.54		1480.4							
	STD	00400	05.81	34.92	27.54	00.402	1480.8							
	085	00403	05.83	34.925	27.54		1480.9							
	085	00453	05.21	34.510	27.600									
	STD	00500	05.61	34.93	27.57	00.462	1481.6							
	085	00502	05.60	34.930	27.57		1481.6							
	STD	00600	05.11	34.56	27.65	00.518	1481.3							
	085	00601	05.11	34.960	27.65		1481.3							
	STD	00700	04.08	34.54	27.64	00.572	1482.8							
	085	00700	05.06	35.96	28.45									
	085	00784	04.57	34.930	27.69		1482.1							
	085	00791	04.51	34.937	27.70		1482.0							
	STD	00800	04.51	34.54	27.70	00.623	1482.1							
	085	00803	04.51	34.940	27.70		1482.2							
	STD	00900	04.43	34.93	27.71	00.672	1483.4							
	085	00932	04.40	34.930	27.71		1483.5							
	085	00951	04.28	34.930	27.72		1483.7							
	STD	01000	04.26	34.93	27.73	00.721	1484.5							
	085	01001	04.28	34.935	27.73		1484.5							
	STD	01100	04.08	34.91	27.73	00.765	1485.3							
	085	01100	04.08	34.912	27.73		1485.3							
	STD	01200	04.05	34.92	27.74	00.817	1486.9							
	085	01203	04.05	34.920	27.74		1486.9							
	085	01229	04.02	34.920	27.74		1487.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8055 YEAR 1973 010P 03004 AIR TEMP 13.5 OIR MGT PER #140-OIR 25 INST STD RECORDER TEN 59 1306  
 CONSEC 0200 MONTH 06 SHIP EV WET BULR 13.5 00 0 X #140-SPO 08 TRACE OIR 0 5 SQUARE 2  
 LAT 4 05.6N DAY 27 DATA USE 1 8ARDMETR 1022.8 SEA WIND-FQR DURATION 2 SQUARE 46  
 LONG 147 26.4W HOUR 06.3 AREA 05 CLOUD 1/A CL/YA WEATHER X4 ORIG 011 385 1 SQUARE 47

CASINUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.3	STO	00000	12.53	33.09	24.95	00.000	1458.3							
	OBS	00003	12.53	33.095	24.95		1456.3							
	OBS	00007	12.54	33.100	24.96		1458.4							
	STO	00010	11.86	33.07	25.14	00.025	1494.8							
	OBS	00011	11.49	33.056	25.20		1493.4							
	OBS	00015	11.21	33.197	25.36		1492.7							
	OBS	00019	11.13	33.199	25.37		1492.5							
	STO	00020	11.04	33.23	25.41	00.056	1492.2							
	OBS	00022	10.29	33.337	25.63		1469.7							
	OBS	00026	08.14	33.541	26.13		1482.0							
	STO	00030	05.84	33.19	26.16	00.075	1472.5							
	OBS	00030	05.61	33.158	26.17		1471.6							
	OBS	00034	04.71	33.125	26.25		1467.9							
	OBS	00041	04.06	33.445	26.50		1468.3							
	OBS	00045	05.00	33.643	26.62		1470.0							
	OBS	00049	06.05	33.570	26.75		1474.7							
	STO	00050	06.17	34.02	26.78	00.110	1475.3							
	OBS	00053	06.87	34.281	26.89		1478.5							
	OBS	00057	07.55	34.433	26.92		1481.4							
	OBS	00068	07.58	34.475	26.94		1481.7							
	OBS	00072	07.11	34.402	26.95		1479.9							
	STO	00075	07.14	34.47	27.01	00.140	1480.1							
	OBS	00078	07.15	34.500	27.03		1480.2							
	OBS	00079	07.62	34.581	27.02		1482.2							
	OBS	00083	07.87	34.643	27.05		1483.3							
	OBS	00091	09.16	34.586	27.10		1486.8							
	STO	00100	09.30	35.06	27.15	00.165	1485.5							
	OBS	00102	09.32	35.063	27.15		1465.7							
	OBS	00106	09.32	35.061	27.13		1485.7							
	OBS	00114	08.58	34.897	27.12		1486.9							
	OBS	00118	08.56	34.890	27.12		1486.8							
	STO	00125	08.23	34.82	27.12	00.185	1485.6							
	OBS	00125	08.23	34.820	27.12		1485.6							
	OBS	00148	07.85	34.820	27.14		1484.6							
	STO	00150	07.85	34.84	27.18	00.213	1484.6							
	OBS	00152	07.85	34.820	27.18		1484.6							
	OBS	00159	07.67	34.646	27.19		1484.8							
	OBS	00167	08.31	34.520	27.18		1486.7							
	STO	00200	06.29	34.51	27.18	00.260	1467.2							
	STO	00250	07.66	34.66	27.25	00.305	1465.6							
	OBS	00265	06.25	34.660	27.38		1462.2							
	STO	00300	06.29	34.85	27.42	00.344	1481.0							
	OBS	00300	06.27	34.852	27.42		1480.9							
	OBS	00316	06.15	34.862	27.45		1480.7							
	OBS	00350	06.43	34.502	27.44		1482.4							
	OBS	00380	05.90	34.510	27.52		1480.8							
	OBS	00392	04.97	34.842	27.57		1477.1							
	OBS	00395	05.00	34.840	27.57		1477.3							
	STO	00400	05.10	34.86	27.57	00.405	1477.8							
	OBS	00415	05.42	34.910	27.58		1475.4							
	STO	00500	05.43	34.97	27.62	00.465	1481.0							
	OBS	00502	05.43	34.970	27.62		1481.0							
	OBS	00521	05.21	34.930	27.62		1480.4							
	OBS	00557	05.23	34.580	27.65		1481.8							
	STO	00600	05.22	34.98	27.65	00.518	1481.8							
	OBS	00670	04.69	34.530	27.68		1480.7							
	OBS	00673	04.64	34.933	27.68		1480.6							
	STO	00700	04.59	34.53	27.69	00.565	1480.8							
	STO	00800	04.42	34.53	27.71	00.618	1481.7							
	OBS	00814	04.39	34.930	27.71		1481.9							
	OBS	00852	04.11	34.527	27.74		1481.3							
	STO	00900	03.98	34.92	27.75	00.664	1481.6							
	OBS	00932	03.98	34.54 P	27.76G									
	OBS	00951	04.12	34.918	27.73 *		1483.0							
	STO	01000	04.01	34.91	27.74	00.709	1483.3							
	OBS	01001	04.01	34.910	27.74		1483.4							
	STO	01100	03.92	34.93	27.76	00.755	1484.7							
	OBS	01100	03.92	34.535	27.76		1484.7							
	STO	01200	03.82	34.93	27.77	00.795	1485.9							
	OBS	01205	03.81	34.934	27.77		1485.9							
	OBS	01206	03.79	34.525	27.77		1485.9							
	OBS	01218	03.80	34.523	27.77		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8335 YEAR 1573 801DP 03740 AIR TEMP 13.2 DIR HGT PER #IND-DIR 25 INST STD RECORDER TEM SW LOG6  
 COMSEC 0201 MONTH 06 SHIP EV WET BULB 13.2 00 0 A WIND-SPD 08 TRACE DIR 0 5 SQUARE 2  
 LAT 44 18.4N DAY 27 DATA USE 1 BAROMETER 1032.2 SEA DURAT IDN 2 SQUARE 46  
 LONG 767 28.0W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER 44 DRIG 011 38c 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEP TH	TEMP	SAL	SIGMA-T	OYNDP/T	SNO VEL	OXYG	P34	TOT P	MO2	NO3	SI03	PH
08.1	STO	00000	13.08	33.63	25.31	00.000	1499.4							
	08S	00003	13.08	33.600	25.31		1499.5							
	STO	00010	11.18	33.70	25.75	00.025	1493.1							
	08S	00011	10.87	33.726	25.83		1492.1							
	08S	00015	10.23	33.816	26.01		1490.0							
	08S	00019	09.56	33.854	26.12		1489.1							
	STO	00020	08.87	33.50	26.30	00.045	1485.1							
	08S	00022	06.63	33.912	26.64		1476.4							
	STO	00030	06.50	34.00	26.72	00.060	1476.3							
	08S	00030	06.38	34.002	26.74		1475.0							
	08S	00034	04.95	33.817	26.77		1465.8							
	08S	00038	05.77	34.020	26.83		1473.5							
	08S	00041	08.56	34.550	26.89		1485.2							
	STO	00050	08.50	34.63	26.93	00.085	1485.2							
	08S	00053	08.48	34.656	26.95		1485.2							
	08S	00057	08.57	34.655	26.97		1485.6							
	08S	00064	06.24	34.616	26.96		1484.4							
	08S	00072	08.23	34.654	27.32		1484.6							
	STO	00075	07.65	34.56	27.30	00.113	1482.2							
	08S	00079	06.94	34.445	27.01		1475.4							
	08S	00083	06.68	34.480	27.07		1478.5							
	08S	00085	07.49	34.638	27.05		1482.0							
	08S	00089	07.10	34.575	27.09		1480.5							
	STO	00100	07.49	34.67	27.11	00.136	1482.2							
	08S	00102	08.18	34.840	27.14		1485.1							
	08S	00106	08.15	34.830	27.13		1485.2							
	08S	00110	07.57	34.708	27.13		1482.7							
	STO	00123	06.03	34.82	27.16	00.162	1484.7							
	08S	00125	08.01	34.827	27.16		1484.8							
	08S	00133	08.18	34.858	27.16		1485.6							
	08S	00137	07.88	34.825	27.17		1484.5							
	08S	00144	08.08	34.860	27.17		1483.4							
	08S	00148	08.05	34.846	27.17		1485.4							
	STO	00150	07.65	34.78	27.17	00.186	1483.5							
	08S	00152	07.29	34.704	27.17		1482.3							
	08S	00159	07.16	34.735	27.18		1481.9							
	08S	00175	07.40	34.520	27.26		1484.5							
	08S	00178	07.54	34.935	27.31		1484.1							
	08S	00182	07.50	34.510	27.30		1483.9							
	08S	00194	06.06	34.733	27.33		1476.1							
	08S	00198	06.62	34.750	27.24		1483.5							
	STO	00200	06.65	34.75	27.30	00.230	1460.0							
	08S	00213	06.78	34.785	27.30		1481.4							
	08S	00228	06.87	34.830	27.32		1482.1							
	08S	00232	06.57	34.766	27.32		1480.9							
	08S	00239	06.95	34.850	27.33		1482.6							
	08S	00243	06.39	34.780	27.35		1480.4							
	STO	00250	06.64	34.87	27.38	00.269	1481.6							
	08S	00251	06.69	34.870	27.38		1481.8							
	08S	00255	06.36	34.850	27.41		1480.5							
	08S	00258	06.80	34.922	27.41		1482.4							
	08S	00262	06.78	34.930	27.41		1482.4							
	08S	00274	06.27	34.827	27.40		1480.4							
	08S	00281	05.89	34.813	27.44		1479.0							
	08S	00285	05.89	34.827	27.45		1479.1							
	08S	00285	05.18	34.750	27.46		1476.2							
	08S	00293	05.64	34.757	27.46		1478.2							
	STO	00300	05.68	34.79	27.45	00.304	1478.4							
	08S	00304	05.70	34.753	27.45		1478.6							
	08S	00312	05.74	34.812	27.46		1478.9							
	08S	00319	06.03	34.880	27.48		1480.3							
	08S	00323	06.36	34.913	27.46		1481.7							
	08S	00350	05.74	34.840	27.48		1479.6							
	08S	00357	05.33	34.840	27.53		1478.1							
	08S	00373	05.78	34.530	27.55		1480.2							
	08S	00376	05.58	34.520	27.56		1476.5							
	08S	00395	05.70	34.913	27.54		1480.3							
	STO	00400	05.66	34.91	27.55	00.368	1480.2							
	08S	00403	05.27	34.910	27.59		1478.6							
	08S	00445	05.73	35.053	27.65		1481.4							
	08S	00453	05.70	35.050	27.65		1481.4							
	STO	00500	05.75	35.05	27.65	00.425	1482.4							
	08S	00502	05.75	35.050	27.64		1482.4							
	08S	00533	04.59	34.953	27.64		1479.7							
	08S	00552	06.83	34.933	27.66		1479.3							
	STO	00600	06.73	34.94	27.68	00.475	1479.7							
	08S	00601	06.73	34.940	27.68		1479.7							
	STO	00700	04.77	34.97	27.70	00.524	1481.6							
	08S	00700	04.77	34.570	27.70		1481.6							
	STO	00800	04.40	34.56	27.73	00.571	1481.7							
	08S	00852	04.26	34.940	27.73		1462.0							
	STO	00900	04.17	34.52	27.73	00.618	1482.3							
	08S	00902	04.16	34.520	27.73		1482.3							
	08S	00951	03.52	34.530	27.76		1481.2							
	STO	01000	03.57	34.51	27.74	00.664	1483.2							
	08S	01001	03.57	34.510	27.74		1483.2							
	08S	01039	03.96	34.910	27.74		1483.8							
	08S	01047	03.75	34.510	27.76		1483.0							
	08S	01050	03.89	34.510	27.75		1483.7							
	STO	01100	03.85	34.53	27.77	00.710	1484.4							
	08S	01100	03.85	34.530	27.77		1484.4							
	STO	01200	03.79	34.51	27.76	00.754	1485.4							
	08S	01203	03.79	34.510	27.76		1485.8							
	08S	01216	03.80	34.910	27.76		1466.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8555 YEAR 1973 BOTOP 35055 AIR TEMP 10.8 OIR HGT PER WIND-OIR 27 INST STO RECORDER TEN SQ 1306  
 CONSEC 0202 MONTH 06 SHIP EV WET BULB 10.8 27 1 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 44 24.84 DAY 27 DATA USE 1 BARCHMET 1332.3 SEA QUARTION 2 SQUARE 40  
 LONG 147 27.94 HOUR 13.5 AREA 35 CLOUD T/A CL/TR WEATHER X4 ORIG OII 387 1 SQUARE 47

CASSTN/JM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OKYC	P04	TOT P	NO2	NO3	SIG3	PM
10.5	STO	00033	11.43	33.10	25.24	03.000	1493.1							
	OBS	00033	11.43	33.104	25.24		1493.2							
	OBS	00037	10.78	33.777	25.88		1491.8							
	STO	00033	10.52	33.84	25.98	00.024	1491.0							
	OBS	00011	10.32	33.872	26.04		1490.3							
	OBS	00015	05.60	33.927	26.20		1487.8							
	STL	00020	07.93	33.80	26.36	00.042	1481.4							
	OBS	00022	07.26	33.757	26.43		1478.8							
	OBS	00026	06.73	33.730	26.48		1476.6							
	STO	00030	05.76	33.82	26.67	00.056	1473.0							
	OBS	00030	05.66	33.837	26.73		1472.7							
	OBS	00034	05.60	33.958	26.80		1472.6							
	OBS	00038	05.70	34.022	26.84		1473.2							
	OBS	00041	06.00	34.181	26.93		1474.7							
	OBS	00045	05.98	34.173	26.92		1474.7							
	STO	00050	05.73	34.16	26.94	00.083	1473.7							
	OBS	00053	05.55	34.157	26.96		1473.2							
	STO	00075	05.63	34.27	27.04	00.110	1473.9							
	OBS	00076	05.73	34.290	27.05		1474.5							
	OBS	00074	06.13	34.375	27.06		1476.1							
	OBS	00067	06.13	34.403	27.05		1476.1							
	OBS	00051	06.44	34.492	27.11		1477.7							
	STO	00100	06.52	34.51	27.12	00.135	1478.2							
	OBS	00102	06.58	34.522	27.12		1478.5							
	OBS	00118	07.17	34.664	27.15		1481.2							
	STO	00125	06.76	34.57	27.13	00.155	1475.6							
	OBS	00125	06.74	34.567	27.13		1475.5							
	OBS	00129	06.73	34.560	27.13		1475.4							
	OBS	00133	06.95	34.602	27.13		1483.5							
	OBS	00144	06.61	34.576	27.16		1475.3							
	STO	00153	06.61	34.58	27.16	00.183	1475.4							
	OBS	00152	06.65	34.590	27.17		1479.6							
	OBS	00175	07.28	34.860	27.29		1482.8							
	OBS	00178	07.57	34.915	27.25		1484.1							
	OBS	00186	08.49	35.099	27.30		1488.0							
	STO	00200	08.38	35.06	27.25	00.227	1487.7							
	OBS	00201	08.32	35.060	27.25		1487.5							
	OBS	00205	08.17	35.051	27.31		1487.0							
	OBS	00228	08.38	35.066	27.33		1487.1							
	OBS	00239	07.62	35.043	27.38		1485.5							
	STO	00250	07.73	35.05	27.38	00.266	1485.9							
	OBS	00251	07.71	35.053	27.38		1486.0							
	OBS	00255	07.06	34.917	27.36		1483.4							
	OBS	00258	07.10	34.925	27.37		1483.6							
	OBS	00262	06.53	34.830	27.37		1481.3							
	OBS	00266	05.47	34.700	27.40		1476.9							
	OBS	00277	05.26	34.700	27.43		1476.3							
	OBS	00293	05.11	34.700	27.45		1475.9							
	STO	00300	04.85	34.65	27.43	00.303	1474.9							
	OBS	00300	04.83	34.643	27.43		1474.8							
	OBS	00331	05.06	34.713	27.46		1476.4							
	OBS	00330	04.98	34.752	27.50		1476.4							
	OBS	00384	05.47	34.944	27.60		1475.2							
	OBS	00395	05.90	35.050	27.63		1481.3							
	STO	00400	05.96	35.06	27.62	00.364	1481.7							
	OBS	00403	06.31	35.060	27.62		1481.8							
	OBS	00412	05.96	35.053	27.62		1481.8							
	OBS	00418	05.21	34.930	27.62		1478.7							
	OBS	00422	05.23	34.920	27.61		1478.8							
	OBS	00430	05.37	34.963	27.60		1480.4							
	OBS	00434	05.34	34.913	27.59		1475.4							
	OBS	00453	05.18	34.925	27.62		1475.1							
	OBS	00464	05.60	35.020	27.65		1479.5							
	JCS	00468	05.24	35.070	27.69		1481.0							
	STO	00500	05.23	35.04	27.70	00.414	1480.4							
	OBS	00502	05.26	35.043	27.70		1480.4							
	JCS	00552	05.14	35.060	27.70		1480.4							
	OBS	00586	05.02	35.060	27.740		1480.4							
	STO	00600	04.77	34.97	27.70	00.461	1479.9							
	OBS	00601	04.75	34.930	27.670		1479.9							
	OBS	00651	04.59	34.940	27.70		1480.0							
	STO	00700	04.35	34.91	27.70	00.508	1475.8							
	OBS	00700	04.35	34.910	27.70		1475.8							
	OBS	00750	04.24	34.930	27.73		1480.2							
	STO	00800	04.15	34.92	27.73	00.555	1480.6							
	OBS	00833	04.14	34.923	27.73		1480.6							
	OBS	00852	04.01	34.917	27.74		1483.5							
	STO	00900	03.98	34.93	27.75	00.600	1481.6							
	OBS	00932	03.98	34.927	27.75		1481.6							
	OBS	00951	04.00	34.920	27.74		1482.5							
	STO	01000	03.87	34.95	27.76	00.644	1482.5							
	OBS	01001	03.87	34.927	27.76		1482.8							
	STO	01100	03.84	34.93	27.77	00.688	1484.3							
	OBS	01100	03.84	34.927	27.77		1484.3							
	OBS	01199	03.83	34.930	27.77		1485.8							
	STO	01200	03.80	34.93	27.77	00.732	1485.8							
	OBS	01203	03.81	34.930	27.77		1485.9							
	OBS	01225	03.80	34.930	27.77		1486.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O, O C S T A T I O N O A T A

REFID 01 0000 YEAR 1973 6JTOP 05546 AIR TEMP 09.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306  
 CONSEC 0003 MONTH 06 SHIP EV MET BULB 05.0 00 0 X WIND-SPO 12 TRACE DIR D 5 SQUARE 2  
 LAT 49 37.5N DAY 27 DATA USE 1 BAKOMETR 1032.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 147 30 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER 44 ORIG 011 388 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PC4	TOT P	MO2	NO3	SI03	PM
12.5	STD	00300	07.50	32.51	25.42	00.000	1477.7							
	OBS	00003	07.50	32.512	25.42		1477.8							
	STD	00010	05.11	32.72	25.88	00.024	1466.6							
	OBS	00011	04.72	32.743	25.94		1467.0							
	OBS	00014	03.50	32.673	26.00		1462.2							
	STD	00020	03.48	32.68	26.02	00.044	1461.9							
	OBS	00022	03.27	32.732	26.08		1461.1							
	OBS	00026	03.01	32.879	26.22		1460.2							
	STD	00030	02.95	33.11	26.40	00.062	1460.5							
	OBS	00030	02.95	33.130	26.42		1460.4							
	OBS	00038	01.04	33.120	26.56		1452.0							
	OBS	00041	00.16	33.249	26.71		1448.3							
	STD	00050	- 0.09	33.27	26.74	00.092	1447.3							
	OBS	00053	- 0.12	33.332	26.75		1447.3							
	OBS	00057	- 0.10	33.456	26.89		1447.6							
	OBS	00060	03.42	33.887	26.98		1463.9							
	OBS	00064	03.46	34.000	26.97		1464.1							
	OBS	00068	05.64	34.233	27.31		1473.7							
	STD	00075	05.85	34.50	27.04	00.121	1474.7							
	OBS	00076	05.80	34.307	27.04		1474.8							
	OBS	00096	05.63	34.575	27.05		1475.6							
	STD	00100	05.95	34.58	27.05	00.147	1475.7							
	OBS	00102	05.97	34.384	27.09		1475.8							
	OBS	00110	05.66	34.550	27.10		1474.7							
	OBS	00114	05.13	34.271	27.10		1472.5							
	OBS	00121	05.07	34.340	27.17		1472.4							
	STD	00125	05.20	34.32	27.17	00.171	1473.1							
	OBS	00125	05.21	34.506	27.17		1473.1							
	OBS	00125	05.13	34.372	27.19		1472.8							
	OBS	00140	05.48	34.477	27.23		1474.6							
	STD	00150	05.13	34.45	27.25	00.193	1473.3							
	OBS	00152	05.05	34.446	27.25		1473.1							
	OBS	00155	05.12	34.505	27.25		1473.5							
	OBS	00167	06.25	34.705	27.31		1478.4							
	OBS	00175	06.38	34.730	27.31		1479.1							
	OBS	00178	06.44	34.747	27.32		1479.4							
	OBS	00186	06.13	34.650	27.31		1478.3							
	OBS	00194	05.56	34.670	27.37		1476.1							
	OBS	00196	05.00	34.687	27.38		1476.3							
	STD	00200	05.48	34.66	27.37	00.233	1475.8							
	OBS	00206	05.10	34.550	27.30		1474.3							
	OBS	00228	05.32	34.720	27.44		1475.7							
	OBS	00247	04.01	34.510	27.42		1470.3							
	STD	00250	03.85	34.50	27.42	00.265	1469.8							
	OBS	00251	02.82	34.453	27.42		1469.5							
	OBS	00258	03.40	34.500	27.47		1467.9							
	OBS	00260	04.18	34.601	27.54		1471.8							
	OBS	00277	04.51	34.750	27.54		1473.2							
	STD	00300	03.56	34.59	27.52	00.301	1469.5							
	OBS	00304	03.46	34.577	27.52		1469.1							
	OBS	00308	03.42	34.570	27.52		1468.9							
	OBS	00316	03.94	34.723	27.59		1471.4							
	OBS	00335	03.59	34.670	27.59		1470.2							
	OBS	00350	03.72	34.710	27.61		1471.1							
	OBS	00375	03.71	34.720	27.61		1471.4							
	OBS	00368	04.24	34.825	27.64		1474.0							
	OBS	00392	04.23	34.830	27.65		1474.1							
	OBS	00395	03.58	34.815	27.68		1473.0							
	STD	00400	03.97	34.81	27.66	00.354	1473.1							
	OBS	00411	04.18	34.847	27.87		1474.2							
	OBS	00441	04.41	34.852	27.88		1475.7							
	OBS	00453	04.34	34.898	27.89		1475.6							
	OBS	00456	04.34	34.887	27.88		1475.7							
	OBS	00464	04.04	34.840	27.88		1474.5							
	STD	00500	04.18	34.86	27.88	00.402	1475.7							
	OBS	00502	04.19	34.860	27.88		1475.7							
	OBS	00514	04.12	34.875	27.70		1475.7							
	OBS	00552	04.30	34.912	27.71		1477.1							
	STD	00600	04.30	34.92	27.71	00.449	1478.2							
	OBS	00601	04.36	34.925	27.71		1478.2							
	OBS	00651	04.25	34.925	27.72		1478.5							
	STD	00700	04.09	34.91	27.73	00.494	1478.7							
	OBS	00700	04.09	34.910	27.73		1478.7							
	OBS	00750	04.14	34.930	27.74		1475.7							
	STD	00800	04.15	34.92	27.72	00.540	1480.6							
	OBS	00803	04.15	34.915	27.72		1480.6							
	OBS	00852	04.01	34.912	27.74		1480.9							
	STD	00900	04.00	34.93	27.75	00.585	1481.7							
	OBS	00902	04.00	34.930	27.75		1481.7							
	OBS	00951	03.90	34.925	27.75		1482.3							
	STD	01000	03.90	34.92	27.76	00.629	1482.9							
	OBS	01001	03.90	34.922	27.76		1482.9							
	STD	01100	03.84	34.93	27.77	00.673	1484.0							
	OBS	01100	03.84	34.927	27.77		1484.3							
	STD	01200	03.82	34.93	27.77	00.718	1485.9							
	OBS	01203	03.81	34.927	27.77		1485.9							
	OBS	01225	03.72	34.919	27.77		1486.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REF ID 21 4355 YEAR 1973 BOTOP 03534 AIR TEMP 29.8 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SD 1336  
 CONSEC 3204 MONTH 06 SHIP EV MET 8UL8 05.8 29 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 44 45.54 DAY 27 DATA USE 1 BAROMETR 1032.0 SEA DURATION WIND-FOR 2 SQUARE 46  
 LONG 047 33.24 HOUR 14.2 AREA 03 CLOUD 7/4 CL/7R WEATHER X4 DRIC 011 385 1 SQUARE 47

CASSTNM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOP7M	SNO VEL	DRYG	P24	TOT P	NO2	NO3	SI03	PH
14.2	STO	00000	06.92	32.59	25.55	00.000	1475.6							
	OBS	00003	06.92	32.588	25.55		1475.6							
	OBS	00007	04.34	32.363	25.70		1464.9							
	STO	00010	03.65	32.45	25.82	00.025	1462.1							
	OBS	00011	03.32	32.485	25.88		1460.8							
	STO	00020	02.91	32.51	25.93	00.045	1459.2							
	OBS	00022	02.80	32.505	25.94		1458.7							
	STO	00030	02.57	32.51	25.96	00.065	1457.8							
	OBS	00030	02.53	32.514	25.96		1457.7							
	OBS	00034	02.16	32.513	25.99		1456.1							
	OBS	00038	01.26	32.677	26.19		1452.4							
	OBS	00041	00.88	32.943	26.42		1451.1							
	OBS	00045	01.18	33.125	26.55		1452.8							
	OBS	00049	00.61	33.077	26.55		1450.2							
	STO	00050	00.45	33.08	26.56	00.101	1449.5							
	OBS	00053	- 0.43	33.081	26.60		1449.5							
	OBS	00057	- 1.07	33.170	26.69		1442.7							
	OBS	00060	- 1.29	33.205	26.73		1441.8							
	STO	00075	- 1.22	33.32	26.82	00.135	1442.5							
	OBS	00076	- 1.21	33.330	26.83		1442.6							
	STO	00100	- 0.93	33.52	26.98	00.164	1444.6							
	OBS	00102	- 0.84	33.554	27.00		1445.1							
	OBS	00121	00.07	33.810	27.16	00.185	1450.0							
	STO	00125	00.15	33.82	27.17		1450.4							
	OBS	00125	00.17	33.829	27.17		1450.5							
	OBS	00129	00.28	33.900	27.23		1451.2							
	OBS	00133	00.85	33.945	27.23		1453.9							
	OBS	00140	00.97	33.987	27.26		1454.6							
	OBS	00144	00.60	34.000	27.28		1453.9							
	STO	00150	00.86	34.03	27.30	00.210	1454.3							
	OBS	00152	00.88	34.040	27.30		1454.5							
	OBS	00170	01.10	34.155	27.38		1456.0							
	OBS	00178	01.49	34.220	27.41		1457.9							
	OBS	00190	01.31	34.240	27.42		1458.2							
	OBS	00194	02.10	34.330	27.45		1461.0							
	STO	00200	02.16	34.32	27.44	00.246	1461.3							
	OBS	00201	02.17	34.320	27.44		1461.4							
	OBS	00224	02.04	34.425	27.53		1461.3							
	OBS	00228	02.23	34.460	27.54		1462.3							
	OBS	00236	02.73	34.507	27.54		1464.7							
	STO	00250	03.06	34.58	27.56	00.276	1466.4							
	OBS	00251	03.09	34.563	27.57		1466.6							
	OBS	00277	03.57	34.727	27.63		1469.2							
	STO	00300	04.10	34.83	27.66	00.302	1472.0							
	OBS	00300	04.11	34.832	27.66		1472.0							
	OBS	00331	04.28	34.855	27.66		1473.3							
	OBS	00350	04.70	34.915	27.66		1475.4							
	OBS	00369	04.41	34.913	27.65		1474.5							
	OBS	00384	04.68	34.937	27.68		1475.6							
	OBS	00388	04.54	34.922	27.69		1475.4							
	STO	00400	04.61	34.93	27.69	00.348	1475.9							
	OBS	00403	04.63	34.930	27.68		1476.0							
	OBS	00422	04.65	34.920	27.67		1476.6							
	OBS	00434	04.50	34.910	27.66		1476.0							
	OBS	00453	04.70	34.940	27.68		1477.2							
	STO	00500	04.51	34.93	27.70	00.395	1477.1							
	OBS	00502	04.50	34.930	27.70		1477.1							
	OBS	00552	04.47	34.935	27.71		1477.8							
	STO	00600	04.37	34.93	27.71	00.440	1478.2							
	OBS	00601	04.37	34.932	27.71		1478.2							
	OBS	00651	04.52	34.930	27.72		1478.8							
	STO	00700	04.26	34.93	27.72	00.486	1475.4							
	OBS	00700	04.26	34.927	27.72		1476.4							
	OBS	00750	04.22	34.932	27.73		1480.1							
	STO	00800	04.16	34.92	27.73	00.532	1480.7							
	OBS	00803	04.16	34.922	27.73		1480.7							
	OBS	00852	04.08	34.915	27.73		1481.2							
	STO	00900	04.01	34.91	27.74	00.577	1481.7							
	OBS	00902	04.01	34.914	27.74		1481.7							
	OBS	00951	03.88	34.927	27.76		1482.0							
	STO	01000	03.69	34.93	27.76	00.622	1482.9							
	OBS	01001	03.89	34.930	27.76		1482.9							
	STO	01100	03.85	34.91	27.75	00.666	1484.3							
	OBS	01100	03.65	34.912	27.75		1484.3							
	STO	01200	03.80	34.93	27.77	00.711	1485.8							
	OBS	01203	03.80	34.928	27.77		1485.9							
	OBS	01225	03.77	34.916	27.76		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 54 6335 YEAR 1973 BOTOP 03347 AIR TEMP 10.5 DIR MGT PER WIND-DIR 24 INST STD RECORDER TEM Sw 1526  
 CONSEC 2205 MDNIM 26 SHIP EV WET BULB 10.5 00 J X WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 44 47.0N CAY 27 DATA USE 1 BAROMETR 1030.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 44.2W HOUR 16.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 0.1 390 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
16.8	STO	00000	06.86	32.84	25.47	00.000	1483.4							
	OBS	00005	06.86	32.838	25.47		1483.4							
	OBS	00007	06.55	32.705	25.70		1474.3							
	STO	00010	05.42	32.73	25.79	00.024	1471.9							
	OBS	00011	05.08	32.745	25.83		1471.0							
	OBS	00015	05.45	32.818	25.92		1470.2							
	OBS	00019	04.74	32.840	26.02		1467.4							
	STO	00020	04.72	32.82	26.00	00.045	1467.2							
	OBS	00022	04.46	32.810	26.02		1467.2							
	OBS	00026	03.27	32.547	26.21		1466.2							
	STO	00030	03.56	33.01	26.27	00.064	1462.8							
	OBS	00030	03.53	33.018	26.28		1462.7							
	OBS	00034	03.25	32.952	26.28		1461.5							
	OBS	00038	02.59	33.115	26.44		1458.9							
	OBS	00041	02.38	33.202	26.53		1458.2							
	OBS	00045	01.81	33.200	26.57		1455.7							
	OBS	00046	00.77	33.388	26.79		1451.4							
	STO	00050	00.70	33.40	26.80	00.054	1451.1							
	OBS	00053	00.31	33.462	26.87		1449.5							
	OBS	00057	00.07	33.523	26.93		1448.5							
	OBS	00060	00.08	33.619	27.01		1448.7							
	OBS	00064	00.28	33.660	27.03		1445.8							
	STO	00075	00.30	33.81	27.15	00.121	1450.2							
	OBS	00076	00.30	33.822	27.16		1450.3							
	STO	00100	00.58	33.85	27.20	00.144	1452.0							
	OBS	00102	00.62	33.903	27.21		1452.3							
	STO	00125	01.00	34.07	27.32	00.164	1454.6							
	OBS	00125	01.01	34.075	27.32		1454.7							
	STO	00150	01.64	34.22	27.40	00.182	1458.1							
	OBS	00152	01.71	34.237	27.40		1458.4							
	OBS	00175	02.41	34.443	27.51		1462.2							
	OBS	00182	03.53	34.570	27.51		1467.3							
	OBS	00194	03.33	34.570	27.53		1466.6							
	STO	00200	03.62	34.68	27.59	00.213	1468.1							
	OBS	00201	03.70	34.700	27.60		1468.5							
	OBS	00220	04.07	34.740	27.59		1470.4							
	OBS	00228	04.06	34.720	27.58		1470.5							
	OBS	00235	04.09	34.725	27.58		1470.8							
	OBS	00245	03.83	34.720	27.60		1465.8							
	STO	00250	03.91	34.72	27.55	00.235	1470.2							
	OBS	00251	03.92	34.720	27.55		1470.3							
	OBS	00270	03.67	34.705	27.61		1469.5							
	OBS	00277	04.20	34.840	27.66		1472.1							
	STO	00300	04.07	34.82	27.66	00.265	1471.5							
	OBS	00300	04.07	34.820	27.66		1471.5							
	OBS	00312	04.14	34.850	27.67		1472.4							
	OBS	00319	03.98	34.830	27.67		1471.8							
	OBS	00331	04.01	34.845	27.68		1472.1							
	OBS	00350	04.37	34.922	27.71		1474.1							
	STO	00400	04.46	34.93	27.70	00.311	1475.3							
	OBS	00403	04.47	34.926	27.70		1475.4							
	OBS	00453	04.26	34.920	27.72		1475.3							
	STO	00500	04.15	34.91	27.72	00.355	1475.6							
	OBS	00522	04.14	34.910	27.72		1475.6							
	OBS	00552	04.04	34.928	27.75		1476.0							
	STO	00600	04.11	34.92	27.73	00.398	1477.1							
	OBS	00601	04.11	34.920	27.73		1477.1							
	OBS	00651	04.09	34.930	27.74		1477.9							
	STO	00700	04.00	34.93	27.75	00.441	1478.3							
	OBS	00700	04.00	34.925	27.75		1478.3							
	OBS	00750	04.03	34.923	27.74		1479.3							
	STO	00800	04.02	34.92	27.75	00.484	1480.0							
	OBS	00803	04.01	34.925	27.75		1480.1							
	OBS	00852	03.66	34.922	27.76		1480.3							
	STO	00900	03.82	34.91	27.75	00.528	1480.9							
	OBS	00902	03.82	34.910	27.75		1480.9							
	OBS	00955	02.79	34.915	27.76		1481.7							
	STO	01000	03.50	34.91	27.75	00.572	1482.5							
	OBS	01001	03.50	34.910	27.75		1482.5							
	STO	01100	02.51	34.92	27.77	00.617	1484.2							
	OBS	01100	02.61	34.922	27.77		1484.2							
	STO	01200	02.75	34.92	27.77	00.661	1485.8							
	OBS	01203	02.78	34.925	27.77		1485.8							
	OBS	01233	03.67	34.928	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 51 8555 YEAR 1973 80TOP 05015 AIR TEMP 10.5 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 130e  
 CONSEC 020c MONTH 06 SHIP EV WET BULB 10.5 00 D X WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 48.1N DAY 27 DATA USE 1 BAROMETR 1030.8 SEA CL/7K WIND-FDR DURATION 2 SQUARE 48  
 LONG 047 58.9W HOUR 18.8 AREA 05 CLOUD 7/A WEATHER X4 ORIG 011 391 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNJ VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.8	STO	00000	08.91	32.77	25.50	00.000	1481.2							
	085	00000	08.91	32.770	25.50		1481.2							
	STO	00010	04.17	32.75	26.30	00.023	1464.7							
	085	00010	04.17	32.750	26.00		1464.7							
	STO	00020	03.44	33.33	26.30	03.041	1462.2							
	085	00020	03.44	33.030	26.30		1462.2							
	STO	00030	01.05	33.35	26.74	00.057	1452.4							
	085	00030	01.05	33.350	26.74		1452.4							
	STO	00050	- 0.05	33.55	26.95	00.080	1447.7							
	085	00050	- 0.05	33.550	26.95		1447.7							
	STO	00060	00.09	33.680	27.06		1448.9							
	085	00060	00.09	33.680	27.06		1448.9							
	STO	00075	00.05	33.77	27.13	00.106	1445.1							
	085	00075	00.05	33.770	27.13		1445.1							
	STO	00100	00.75	33.63	27.22	00.128	1453.0							
	085	00100	00.75	33.630	27.22		1453.0							
	STO	00125	02.25	34.34	27.44	00.147	1460.7							
	085	00125	02.25	34.340	27.44		1460.7							
	STO	00150	03.15	34.44	27.44	00.163	1465.1							
	085	00150	03.15	34.440	27.44		1465.1							
	STO	00160	02.85	34.420	27.45		1464.0							
	085	00160	02.85	34.420	27.45		1464.0							
	STO	00175	03.11	34.490	27.45		1465.3							
	085	00175	03.11	34.490	27.45		1465.3							
	STO	00185	02.88	34.490	27.51		1466.4							
	085	00185	02.88	34.490	27.51		1466.4							
	STO	00200	03.24	34.58	27.55	00.194	1466.4							
	085	00200	03.24	34.580	27.55		1466.4							
	STO	00220	04.01	34.680	27.55		1470.1							
	085	00220	04.01	34.680	27.55		1470.1							
	STO	00227	03.86	34.700	27.58		1467.6							
	085	00227	03.86	34.700	27.58		1467.6							
	STO	00235	04.29	34.750	27.58		1471.6							
	085	00235	04.29	34.750	27.58		1471.6							
	STO	00245	04.07	34.720	27.58		1470.7							
	085	00245	04.07	34.720	27.58	00.222	1472.4							
	STO	00250	04.41	34.77	27.58		1473.5							
	085	00250	04.41	34.770	27.58		1473.5							
	STO	00275	03.51	34.650	27.58		1470.1							
	085	00275	03.51	34.650	27.58		1470.1							
	STO	00300	04.14	34.81	27.64	00.247	1472.1							
	085	00300	04.14	34.810	27.64		1472.1							
	STO	00310	04.21	34.890	27.65		1472.6							
	085	00310	04.21	34.890	27.65		1472.6							
	STO	00330	04.06	34.810	27.65		1472.3							
	085	00330	04.06	34.810	27.65		1472.3							
	STO	00352	03.71	34.750	27.64		1470.8							
	085	00352	03.71	34.750	27.64		1470.8							
	STO	00357	04.15	34.500	27.71		1473.2							
	085	00357	04.15	34.500	27.71		1473.2							
	STO	00370	04.36	34.910	27.70		1474.3							
	085	00370	04.36	34.910	27.70	00.295	1474.2							
	STO	00400	04.22	34.88	27.65		1474.2							
	085	00400	04.22	34.880	27.65		1474.2							
	STO	00415	04.10	34.670	27.65		1473.9							
	085	00415	04.10	34.670	27.65		1473.9							
	STO	00440	04.15	34.890	27.70		1474.6							
	085	00440	04.15	34.890	27.70		1474.6							
	STO	00452	04.10	34.850	27.71		1474.6							
	085	00452	04.10	34.850	27.71		1474.6							
	STO	00465	04.23	34.910	27.71		1475.4							
	085	00465	04.23	34.910	27.71		1475.4							
	STO	00490	04.16	34.900	27.71		1475.5							
	085	00490	04.16	34.900	27.71		1475.5							
	STO	00500	04.23	34.93	27.73	00.335	1476.0							
	085	00500	04.23	34.930	27.73		1476.0							
	STO	00500	04.06	34.91	27.73	00.382	1476.9							
	085	00500	04.06	34.910	27.73		1476.9							
	STO	00600	04.06	34.910	27.74		1477.4							
	085	00600	04.06	34.910	27.74		1477.4							
	STO	00615	04.11	34.950	27.74		1478.2							
	085	00615	04.11	34.950	27.74	00.426	1478.2							
	STO	00700	03.58	34.51	27.74		1478.2							
	085	00700	03.58	34.510	27.74		1478.2							
	STO	00800	03.86	34.91	27.75	00.465	1475.4							
	085	00800	03.86	34.910	27.75		1475.4							
	STO	00825	03.51	34.510	27.75		1480.0							
	085	00825	03.51	34.510	27.75		1480.0							
	STO	00900	03.60	34.50	27.75	00.512	1480.8							
	085	00900	03.60	34.500	27.75		1480.8							
	STO	00900	03.80	34.500	27.75		1460.8							
	085	00900	03.80	34.500	27.75		1460.8							
	STO	00950	03.75	34.500	27.75		1481.2							
	085	00950	03.75	34.500	27.75		1481.2							
	STO	01000	03.79	34.51	27.76	00.556	1482.4							
	085	01000	03.79	34.510	27.76		1482.4							
	STO	01100	03.78	34.91	27.76	00.601	1484.0							
	085	01100	03.78	34.910	27.76		1484.0							
	STO	01200	03.69	34.52	27.78	00.645	1485.3							
	085	01200	03.69	34.520	27.78		1485.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 #355 YEAR 1973 BOTOP 0245J AIR TEMP 06.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SD 1306  
CONSEC 0207 MONTH 06 SHIP EV MET SCLB 09.9 00 0 X WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
LAT 44 49.2N DAY 27 DATA USE 1 BAROMETER 1030.5 SEA WIND-FOR DURATION 2 SQUARE 4B  
LONG 048 18.1W HOUR 21.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG-011 392 1 SQUARE 4B

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
21.1	STO	00300	37.86	32.75	25.53									
	OBS	00303	37.86	32.727	25.53	00.000	1475.4							
	OBS	00307	37.80	32.717	25.53		1475.5							
	OBS	00310	37.80	32.717	25.53		1475.3							
	STO	00310	07.32	32.62	25.53	00.025	1477.4							
	OBS	00011	06.92	32.616	25.58		1475.8							
	OBS	00315	05.37	32.760	25.88		1469.8							
	OBS	00319	04.60	32.814	26.01		1466.7							
	STO	00020	04.46	32.84	26.05	00.047	1466.2							
	OBS	00322	04.35	32.903	26.13		1464.8							
	OBS	00326	03.66	32.937	26.20		1463.1							
	STO	00330	03.13	32.94	26.25	00.066	1463.5							
	OBS	00330	03.01	32.944	26.27		1460.4							
	OBS	00334	01.65	33.044	26.45		1454.8							
	OBS	00338	01.25	33.144	26.56		1453.2							
	OBS	00341	01.23	33.193	26.60		1453.1							
	STO	00350	00.63	33.37	26.78	00.096	1450.7							
	OBS	00353	00.44	33.424	26.84		1450.0							
	OBS	00068	00.03	33.540	26.95		1448.5							
	STO	00375	00.09	33.55	26.95	00.125	1445.0							
	OBS	00076	00.10	33.610	27.00		1449.1							
	OBS	00075	00.16	33.678	27.05		1445.5							
	OBS	00355	00.58	33.815	27.14		1451.5							
	STO	00100	00.50	33.91	27.19	00.150	1453.0							
	OBS	00102	01.11	33.945	27.21		1454.6							
	OBS	00110	01.40	34.005	27.21		1457.6							
	OBS	00114	01.68	33.996	27.21		1457.4							
	STO	00125	02.60	34.21	27.31	00.171	1461.9							
	OBS	00125	02.63	34.216	27.31		1462.0							
	OBS	00133	02.75	34.266	27.34		1462.5							
	OBS	00140	03.66	34.366	27.34		1466.5							
	OBS	00144	03.40	34.350	27.34		1465.8							
	STO	00150	03.35	34.36	27.36	00.190	1465.5							
	OBS	00156	03.37	34.397	27.39		1465.9							
	OBS	00171	03.62	34.457	27.41		1467.3							
	OBS	00182	02.38	34.350	27.43		1462.0							
	OBS	00194	02.73	34.367	27.43		1463.6							
	STO	00200	03.15	34.47	27.47	00.224	1465.8							
	OBS	00201	03.19	34.450	27.46		1466.1							
	OBS	00205	03.15	34.457	27.49		1466.0							
	OBS	00213	03.37	34.565	27.53		1467.1							
	OBS	00220	02.94	34.515	27.53		1465.3							
	OBS	00228	02.92	34.527	27.54		1465.4							
	STO	00250	02.88	34.57	27.58	00.253	1465.6							
	OBS	00251	02.66	34.577	27.58		1465.7							
	OBS	00277	03.21	34.643	27.60		1467.6							
	OBS	00381	03.36	34.710	27.64		1468.5							
	OBS	00283	03.85	34.768	27.63		1473.8							
	OBS	00289	04.08	34.810	27.65		1471.7							
	OBS	00257	04.07	34.827	27.66		1471.8							
	STO	00300	04.24	34.85	27.66	00.276	1472.6							
	OBS	00300	04.28	34.857	27.66		1472.8							
	OBS	00350	04.27	34.860	27.67		1473.6							
	OBS	00357	04.35	34.885	27.68		1474.1							
	OBS	00361	04.62	34.930	27.68		1475.3							
	STO	00400	04.72	34.93	27.67	00.325	1476.4							
	OBS	00453	04.87	35.02 P	27.730									
	OBS	00472	04.75	34.930	27.67		1477.7							
	STO	00500	04.69	34.94	27.68	00.373	1477.9							
	OBS	00502	04.68	34.940	27.65		1477.9							
	OBS	00552	04.55	34.930	27.69		1478.2							
	STO	00600	04.44	34.93	27.70	00.420	1478.5							
	OBS	00601	04.44	34.930	27.70		1478.5							
	OBS	00651	04.41	34.930	27.71		1479.2							
	STO	00700	04.31	34.93	27.72	00.466	1479.6							
	OBS	00700	04.31	34.930	27.72		1475.6							
	OBS	00750	04.18	34.922	27.73		1479.9							
	STO	00800	04.10	34.92	27.73	00.512	1480.4							
	OBS	00803	04.10	34.915	27.73		1480.4							
	OBS	00852	04.05	34.910	27.73		1481.0							
	STO	00900	04.01	34.91	27.74	00.557	1481.7							
	OBS	00902	04.01	34.913	27.74		1481.7							
	OBS	00951	03.93	34.930	27.76		1482.2							
	STO	01000	03.86	34.93	27.77	00.602	1482.7							
	OBS	01001	03.86	34.930	27.77		1482.8							
	STO	01100	03.62	34.93	27.77	00.645	1484.2							
	OBS	01100	03.62	34.930	27.77		1484.2							
	STO	01200	03.76	34.93	27.78	00.685	1485.8							
	OBS	01203	03.78	34.933	27.78		1485.8							
	OBS	01225	03.76	34.930	27.78		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOD STATION DATA

REFIL 34 8500	YEAR 1973	BOTOP 01660	AIR TEMP 08.0	DIR HGT FER	WIND-DIR 23	INST STO RECORDER	TEN SQ 1506
CONSEC 0208	MONTH 06	SHIP EV	WET BULB 08.0	00 0 X	WIND-SPO 14	TRACE DIR 0	5 SQUARE 2
LAT 44 49.5N	DAY 27	O/A USE 1	BAROMETR 1030.1	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 30.3W	MOJR 23.0	AREA 05	CLOUD T/A	CL/TR	WEATHER 44	DRIG D11 393	1 SQUARE 48

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
23.0	STO	00000	06.01	32.52	25.62	00.000	1471.8							
	06S	00003	06.01	32.519	25.82		1471.9							
	06S	00007	05.05	32.417	25.65		1467.9							
	STO	00010	04.51	32.52	25.78	00.023	1465.8							
	06S	00011	04.28	32.575	25.85		1465.0							
	06S	00015	03.55	32.735	26.04		1464.0							
	06S	00019	04.02	32.787	26.05		1464.3							
	STO	00020	03.80	32.60	26.08	00.044	1463.4							
	06S	00022	03.25	32.847	26.17		1461.3							
	STO	00030	02.74	32.56	26.30	00.062	1459.1							
	06S	00030	02.64	32.967	26.32		1458.8							
	06S	00034	01.54	33.031	26.42		1455.9							
	06S	00041	- 0.06	33.224	26.70		1447.1							
	06S	00045	- 0.63	33.592	26.87		1444.0							
	STO	00050	- 0.81	33.40	26.87	00.091	1444.2							
	06S	00053	- 0.66	33.451	26.91		1445.0							
	06S	00060	- 0.25	33.538	26.96		1447.1							
	STO	00075	- 0.29	33.67	27.07	00.115	1447.4							
	06S	00076	- 0.29	33.681	27.08		1447.4							
	STO	00100	00.20	33.85	27.15	00.142	1450.5							
	06S	00102	00.38	33.897	27.22		1451.2							
	06S	00114	01.03	34.118	27.38		1454.6							
	06S	00118	01.81	34.227	27.39		1458.3							
	06S	00121	02.06	34.240	27.38		1455.5							
	STO	00123	01.98	34.23	27.38	00.162	1459.2							
	06S	00125	01.57	34.230	27.38		1459.1							
	06S	00137	02.16	34.245	27.38		1460.2							
	06S	00140	02.61	34.375	27.44		1462.4							
	06S	00148	05.26	34.478	27.47		1465.5							
	STO	00150	03.25	34.48	27.47	00.175	1465.4							
	06S	00152	03.23	34.483	27.47		1465.4							
	06S	00175	03.05	34.480	27.69		1465.0							
	06S	00178	02.73	34.440	27.69		1463.6							
	STO	00200	03.12	34.56	27.54	00.205	1465.6							
	06S	00201	03.15	34.564	27.55		1466.0							
	06S	00224	03.45	34.674	27.60		1468.0							
	STO	00250	03.72	34.71	27.61	00.236	1469.4							
	06S	00251	03.75	34.712	27.61		1469.5							
	06S	00266	03.77	34.700	27.55		1469.9							
	06S	00270	04.00	34.720	27.59		1470.9							
	06S	00277	03.86	34.710	27.55		1470.5							
	STO	00300	04.08	34.82	27.67	00.261	1471.9							
	06S	00300	04.08	34.837	27.67		1471.9							
	06S	00350	04.09	34.848	27.68		1472.8							
	STO	00400	04.43	34.51	27.65	00.307	1475.1							
	06S	00403	04.45	34.510	27.65		1475.3							
	06S	00453	04.52	34.925	27.65		1476.4							
	STO	00500	04.54	34.95	27.65	00.353	1477.3							
	06S	00502	04.54	34.930	27.69		1477.3							
	06S	00552	04.47	34.940	27.71		1477.8							
	STO	00600	04.43	34.94	27.71	00.395	1478.5							
	06S	00601	04.43	34.935	27.71		1478.5							
	06S	00651	04.35	34.937	27.72		1479.0							
	STO	00700	04.30	34.93	27.72	00.445	1479.6							
	06S	00700	04.30	34.930	27.72		1479.6							
	06S	00750	04.20	34.915	27.72		1480.0							
	STO	00800	04.12	34.92	27.73	00.451	1480.5							
	06S	00803	04.11	34.916	27.73		1480.5							
	06S	00852	03.54	34.913	27.74		1480.6							
	STO	00900	03.79	34.93	27.77	00.534	1480.7							
	06S	00902	03.78	34.928	27.77		1480.8							
	06S	00951	03.72	34.950	27.76		1481.3							
	STO	01000	03.67	34.93	27.79	00.576	1481.9							
	06S	01001	03.67	34.930	27.75		1482.0							
	STO	01100	05.73	34.93	27.78	00.618	1483.8							
	06S	01100	03.73	34.91 P	27.760									
	STO	01200	03.73	34.92	27.77	00.661	1485.5							
	06S	01203	03.73	34.920	27.77		1485.6							
	06S	01225	05.74	34.925	27.77		1486.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REF ID: A6555 YEAR: 1973 BUOY: 01020 AIR TEMP: 08.1 DIR MGT PER: WIND-DIR: 55 INST STD RECORDER: TEN SW LOG  
 CONSEC: 0205 MONTH: 06 SHIP EV: WET BULB: 08.1 WIND-SPD: 11 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 44 48 N DAY: 28 DATA USE: 1 BAROMETR: 1025.9 SEA: WIND-FOR: DJRATION: 2 SQUARE: 48  
 LONG: 048 48.74 HOUR: 01.3 AREA: 05 CLOUD: T/A CL/TR: WEATHER: X4 ORIG: 011394 1 SQUARE: 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO5	PH
01.3	STO	00000	05.74	32.52	25.65	00.300	1470.7							
	OBS	00003	05.74	32.517	25.65		1470.8							
	OBS	00007	05.50	32.481	25.65		1465.8							
	STO	00010	04.82	32.53	25.76	00.023	1467.2							
	OBS	00011	04.52	32.501	25.82		1466.0							
	OBS	00019	04.05	32.651	25.94		1464.2							
	STO	00020	04.05	32.65	25.94	00.045	1464.2							
	OBS	00022	04.04	32.655	25.94		1464.2							
	STO	00030	03.84	32.80	26.08	00.065	1463.6							
	OBS	00030	03.79	32.813	26.09		1463.5							
	OBS	00045	03.25	33.174	26.43		1462.2							
	STO	00050	03.24	33.21	26.46	00.100	1462.0							
	OBS	00053	02.53	33.348	26.60		1460.9							
	OBS	00057	02.67	33.340	26.61		1455.9							
	OBS	00060	01.80	33.322	26.67		1456.1							
	OBS	00064	01.45	33.484	26.82		1454.8							
	OBS	00068	00.82	33.473	26.85		1452.0							
	OBS	00072	- 0.14	33.542	26.86		1447.8							
	STO	00075	- 0.25	33.58	26.99	00.133	1447.4							
	OBS	00076	- 0.29	33.590	27.00		1447.3							
	STO	00100	00.05	33.80	27.16	00.158	1445.5							
	OBS	00102	00.12	33.824	27.17		1445.9							
	STO	00125	00.84	34.02	27.29	00.175	1453.8							
	OBS	00125	00.86	34.020	27.29		1453.9							
	STO	00150	01.23	34.14	27.36	00.198	1456.1							
	OBS	00152	01.29	34.155	27.37		1456.5							
	OBS	00163	01.63	34.245	27.42		1458.3							
	OBS	00167	01.67	34.320	27.47		1458.6							
	OBS	00171	01.52	34.360	27.45		1459.9							
	OBS	00175	01.98	34.370	27.49		1460.2							
	STO	00200	02.04	34.36	27.48	00.232	1460.9							
	OBS	00201	02.05	34.358	27.48		1460.9							
	OBS	00220	02.20	34.492	27.57		1462.1							
	OBS	00228	02.60	34.565	27.60		1464.0							
	STO	00250	02.84	34.57	27.58	00.281	1465.4							
	OBS	00251	02.85	34.570	27.58		1465.5							
	OBS	00277	03.10	34.683	27.64		1467.2							
	STO	00300	03.18	34.70	27.65	00.287	1467.9							
	OBS	00300	03.18	34.703	27.65		1467.9							
	OBS	00350	03.35	34.720	27.65		1469.5							
	STO	00400	03.69	34.84	27.71	00.332	1471.4							
	OBS	00403	03.71	34.840	27.71		1472.1							
	OBS	00453	03.54	34.850	27.69		1473.9							
	STO	00500	03.55	34.86	27.70	00.376	1474.9							
	OBS	00500	03.55	34.863	27.70		1474.9							
	OBS	00544	03.67	34.854	27.74		1475.1							
	OBS	00552	03.64	34.910	27.74		1475.8							
	STO	00600	03.92	34.91	27.74	00.419	1476.3							
	OBS	00601	03.92	34.910	27.74		1476.3							
	OBS	00651	03.92	34.912	27.75		1477.1							
	STO	00700	03.86	34.91	27.75	00.461	1477.7							
	OBS	00700	03.86	34.910	27.75		1477.7							
	OBS	00750	03.85	34.912	27.75		1478.5							
	STO	00800	03.80	34.92	27.76	00.504	1475.1							
	OBS	00803	03.80	34.916	27.76		1479.2							
	OBS	00852	03.77	34.927	27.77		1479.5							
	STO	00900	03.79	34.92	27.77	00.546	1460.8							
	OBS	00902	03.79	34.923	27.77		1480.8							
	OBS	00951	03.78	34.925	27.77		1481.6							
	STO	01000	03.75	34.93	27.77	00.588	1482.4							
	OBS	01001	03.79	34.930	27.77		1482.5							
	STO	01100	03.74	34.93	27.78	00.630	1483.5							
	OBS	01100	03.74	34.933	27.78		1483.9							
	STO	01200	03.74	34.93	27.78	00.674	1485.6							
	OBS	01203	03.74	34.927	27.78		1485.6							
	OBS	01218	03.72	34.927	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REF ID: A6555    YEAR: 1973    BOTOM: 01260    AIR TEMP: 09.4    OIR HGT PER:    WIND-OIR: 23    INST STO RECORDR:    TEN SJ 150L  
 CONSEC: 0210    MONTH: 06    SHIP EV:    WET BULB: 09.4    00 0 X    WIND-SPD: 14    TRACE OIR:    0    5 SQUARE 2  
 LAT: 44 46.3N    DAY: 28    DATA USE: 1    BAROMETR: 1029.0    SEA:    WIND-FOR:    DURATION:    2 SQUARE 48  
 LONG: 048 59.5W    HOUR: 03.8    AREA: 05    CLOUD T/A:    CL/TR:    WEATHER: X4    ORIG: 011 395    1 SQUARE 48

LASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP7H	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	ST0	00003	07.32	32.41	25.36	00.000	1476.9							
03.8	085	00003	07.32	32.410	25.36		1477.0							
	085	00007	04.00	32.984	25.43		1474.4							
	ST0	00010	06.11	32.25	25.40	00.026	1472.1							
	085	00011	05.73	32.235	25.43		1470.5							
	085	00015	04.46	32.386	25.69		1465.5							
	ST0	00020	02.53	32.54	25.58	00.045	1457.6							
	085	00022	31.72	34.632	26.12		1454.2							
	085	00026	00.58	32.768	26.28		1451.1							
	ST0	00030	03.67	34.79	26.31	00.068	1449.8							
	085	00030	00.62	34.750	26.31		1445.6							
	085	00038	- 0.14	32.924	26.46		1446.4							
	085	00041	- 0.57	33.005	26.56		1442.7							
	085	00044	- 1.44	33.144	26.68		1440.8							
	ST0	00050	- 1.43	33.15	26.69	00.099	1439.9							
	085	00053	- 1.40	33.201	26.73		1441.2							
	ST0	00075	- 1.33	33.26	26.77	00.132	1441.9							
	085	00076	- 1.32	33.263	26.78		1442.3							
	ST0	00100	- 1.03	33.46	26.92	00.162	1444.0							
	085	00102	- 1.00	33.468	26.93		1444.2							
	ST0	00125	- 0.87	33.48	26.94	00.190	1445.2							
	085	00125	- 0.86	33.480	26.94		1445.3							
	085	00143	- 0.60	33.548	26.99		1446.6							
	ST0	00150	- 0.54	33.59	27.01	00.217	1447.3							
	085	00152	- 0.52	33.600	27.02		1447.5							
	085	00175	- 0.46	33.702	27.10		1448.3							
	ST0	00200	- 0.17	33.80	27.16	00.266	1450.1							
	085	00201	- 0.15	33.803	27.17		1450.3							
	085	00217	00.01	33.872	27.22		1451.4							
	085	00224	00.21	33.886	27.22		1452.4							
	085	00228	00.24	33.883	27.21		1452.6							
	ST0	00250	00.44	34.00	27.30	00.308	1454.0							
	085	00251	00.48	34.005	27.30		1454.2							
	085	00255	00.02	34.017	27.30		1455.0							
	085	00258	03.97	34.150	27.39		1456.8							
	085	00277	01.70	34.300	27.46		1460.6							
	ST0	00300	01.96	34.47	27.57	00.341	1462.3							
	085	00303	01.59	34.473	27.57		1462.5							
	085	00316	02.68	34.580	27.60		1465.9							
	085	00336	02.76	34.615	27.62		1466.6							
	085	00346	03.04	34.655	27.66		1468.1							
	085	00350	03.12	34.707	27.66		1468.5							
	ST0	00400	03.23	34.71	27.66	00.392	1469.8							
	085	00403	03.24	34.715	27.66		1469.9							
	085	00463	03.46	34.750	27.66		1471.8							
	ST0	00500	03.83	34.84	27.70	00.436	1474.2							
	085	00502	03.64	34.847	27.70		1474.3							
	085	00552	03.87	34.880	27.71		1475.2							
	ST0	00600	03.93	34.90	27.73	00.482	1476.3							
	085	00601	03.93	34.900	27.74		1476.4							
	085	00651	03.52	34.915	27.75		1477.2							
	ST0	00700	03.53	34.91	27.75	00.525	1478.0							
	085	00703	03.53	34.913	27.75		1478.0							
	085	00750	03.44	34.915	27.75		1478.9							
	ST0	00800	03.54	34.91	27.74	00.568	1479.7							
	085	00803	03.54	34.910	27.74		1479.8							
	085	00852	03.52	34.913	27.75		1480.5							
	ST0	00900	03.54	34.91	27.74	00.613	1481.4							
	085	00902	03.54	34.910	27.74		1481.4							
	085	00951	03.88	34.920	27.76		1482.0							
	ST0	01000	03.83	34.92	27.76	00.657	1482.7							
	085	01001	03.85	34.922	27.76		1482.7							
	ST0	01100	03.82	34.92	27.77	00.701	1484.2							
	085	01100	03.82	34.923	27.77		1484.2							
	ST0	01200	03.83	34.93	27.77	00.746	1485.9							
	085	01203	03.83	34.927	27.77		1486.0							
	085	01216	03.61	34.926	27.77		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NODE STATION DATA														
REFID 51 8355	YEAR 1973	BOTDP	AIR TEMP 05.9	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN SQ 1306							
CONSEC 0211	MCYTR 06	SHIP EV	WET BULB 05.9	00 0 X	WIND-SPD 23	TRACE DIR 0	5 SQUARE 2							
LAT 44 48.9N	DAY 28	DATA USE 1	BARDMETR 1027.9	SEA	WIND-FOR	DURATION	2 SQUARE 48							
LONG 049 09.7W	MOJR 05.5	AREA 05	CLOUD 7/A	CL/TR	WEATHER X4	DRIG 011 396	1 SQUARE 49							
CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	UAYG	PJ4	TOT P	NO2	NO3	SIO3	PH
05.5	STW	00000	06.51	32.25	25.34	00.000	1475.5							
	OBS	00000	06.51	32.254	25.34		1475.6							
	OBS	00007	04.55	32.306	25.61		1465.7							
	STO	00010	03.85	32.44	25.75	00.024	1465.0							
	OBS	00011	03.58	32.483	25.85		1461.5							
	OBS	00015	03.32	32.470	25.86		1460.8							
	OBS	00019	02.54	32.530	25.58		1457.6							
	STO	00020	02.15	32.53	26.01	00.045	1456.0							
	OBS	00022	01.49	32.542	26.08		1452.1							
	OBS	00026	00.27	32.804	26.34		1447.9							
	STW	00030	- 3.41	32.93	26.46	00.063	1445.0							
	OBS	00030	- 0.50	32.920	26.47		1444.6							
	STO	00050	- 1.01	33.32	26.57	00.054	1442.7							
	OBS	00053	- 1.05	33.035	26.58		1442.6							
	OBS	00060	- 1.08	33.063	26.61		1442.6							
	STO	00075	- 1.09	33.15	26.68	00.125	1442.5							
	OBS	00076	- 1.09	33.150	26.68		1442.9							
	STO	00100	- 1.06	33.22	26.73	00.163	1443.6							
	OBS	00100	- 1.06	33.220	26.73		1443.6							
	STO	00125	- 1.00	33.30	26.80	00.195	1444.4							
	OBS	00125	- 1.00	33.300	26.80		1444.4							
	STO	00150	0.65	33.40	26.87	00.225	1445.6							
	OBS	00150	0.65	33.400	26.87		1445.6							
	STO	00175	0.60	33.470	26.92		1447.5							
	STW	00200	0.47	33.58	27.00	00.281	1448.5							
	OBS	00200	0.47	33.560	27.00		1448.5							
	OBS	00225	0.10	33.560	26.94		1450.3							
	STO	00250	0.121	33.68	27.05	00.353	1450.5							
	OBS	00250	00.21	33.680	27.05		1452.5							
	OBS	00275	00.35	33.760	27.11		1453.7							
	STO	00300	01.21	33.88	27.15	00.382	1458.2							
	OBS	00300	01.21	33.880	27.15		1458.2							
	OBS	00350	02.50	34.300	27.39		1465.3							
	STO	00400	03.15	34.63	27.60	00.454	1465.3							
	OBS	00400	03.15	34.630	27.60		1465.3							
	OBS	00450	03.30	34.720	27.66		1470.5							
	STO	00500	03.62	34.80	27.69	00.504	1473.2							
	OBS	00500	03.62	34.73 P	27.63W*									
	OBS	00550	03.85	34.850	27.70		1475.1							
	STO	00600	03.85	34.87	27.72	00.545	1476.1							
	OBS	00600	03.85	34.870	27.72		1476.1							
	OBS	00650	03.93	34.910	27.74		1477.2							
	STO	00700	03.93	34.91	27.74	00.593	1478.0							
	OBS	00700	03.93	34.910	27.74		1478.0							
	OBS	00750	03.54	34.920	27.75		1478.5							
	STO	00800	03.54	34.91	27.74	00.636	1475.7							
	OBS	00800	03.54	34.910	27.74		1475.7							
	OBS	00850	03.53	34.910	27.74		1480.5							
	STO	00900	03.53	34.91	27.74	00.660	1481.3							
	OBS	00900	03.53	34.910	27.74		1481.3							
	OBS	00950	03.50	34.920	27.75		1482.0							
	STO	01000	03.86	34.92	27.76	00.725	1481.7							
	OBS	01000	03.86	34.920	27.76		1482.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 34 8555 YEAR 1973 BOTDP AIR TEMP 10.4 DIR MGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1506  
CONSEC 0212 MONTH 06 SHIP EV WET BULB 10.4 00 0 X WIND-SPD 14 TRACE DIR 5 SQUARE 2  
LAT 49 49.1N DAY 28 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 16.9W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER 44 ORIG 011 397 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	STD	00000	07.86	32.39	25.27	00.000	1475.0							
	06S	00000	07.86	32.350	25.27		1475.0							
	STD	00010	05.07	32.41	25.64	00.025	1468.0							
	06S	00010	05.07	32.410	25.64		1468.0							
	STD	00020	04.59	32.53	25.99	00.047	1457.8							
	06S	00020	02.95	32.550	25.95		1457.8							
	STD	00030	00.20	32.64	26.26	00.066	1447.7							
	06S	00030	00.20	32.640	26.26		1447.7							
	STD	00050	- 1.05	33.08	26.62	00.097	1442.6							
	06S	00050	- 1.05	33.080	26.62		1442.6							
	06S	00060	- 1.07	33.110	26.65		1442.7							
	06S	00065	- 1.08	33.120	26.65		1442.8							
	STD	00075	- 1.05	33.14	26.67	00.131	1442.9							
	06S	00075	- 1.05	33.140	26.67		1442.9							
	06S	00076	- 1.05	33.150	26.68		1442.9							
	STD	00100	- 1.06	33.22	26.73	00.165	1443.6							
	06S	00100	- 1.06	33.220	26.73		1443.6							
	STD	00125	- 1.00	33.30	26.80	00.197	1444.4							
	06S	00125	- 1.00	33.300	26.80		1444.4							
	STD	00150	- 0.85	33.40	26.87	00.226	1445.6							
	06S	00150	- 0.85	33.400	26.87		1445.6							
	06S	00175	- 0.60	33.470	26.92		1447.3							
	STD	00200	- 0.47	33.58	27.00	00.283	1446.5							
	06S	00200	- 0.47	33.580	27.00		1446.5							
	06S	00225	- 0.13	33.560	26.99		1450.3							
	STD	00250	00.21	33.68	27.05	00.335	1452.5							
	06S	00250	00.21	33.660	27.05		1452.5							
	06S	00275	00.55	33.760	27.11		1455.7							
	STD	00300	01.21	33.88	27.15	00.364	1458.2							
	06S	00300	01.21	33.880	27.15		1458.2							
	06S	00350	02.50	34.300	27.39		1465.3							
	STD	00400	03.15	34.63	27.60	00.457	1469.3							
	06S	00400	03.15	34.630	27.60		1469.3							
	06S	00450	03.30	34.720	27.66		1470.9							
	STD	00500	03.62	34.80	27.69	00.506	1473.2							
	06S	00500	03.62	34.73 P	27.630*		1475.1							
	06S	00550	03.85	34.850	27.70		1476.1							
	STD	00600	03.85	34.87	27.72	00.551	1476.1							
	06S	00600	03.85	34.870	27.72		1476.1							
	06S	00650	03.93	34.910	27.74		1477.2							
	STD	00700	03.93	34.91	27.74	00.595	1478.0							
	06S	00700	03.93	34.910	27.74		1478.0							
	06S	00750	03.94	34.920	27.75		1478.9							
	STD	00800	03.94	34.91	27.74	00.638	1479.7							
	06S	00800	03.94	34.910	27.74		1479.7							
	06S	00850	03.93	34.910	27.74		1480.5							
	STD	00900	03.93	34.91	27.74	00.683	1481.3							
	06S	00900	03.93	34.910	27.74		1481.3							
	06S	00950	03.90	34.920	27.75		1482.0							
	STD	01000	03.88	34.92	27.76	00.727	1482.7							
	06S	01000	03.88	34.920	27.76		1482.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8553 YEAR 1973 BOTOP AIR TEMP 11.5 OIR MGT PER WIND-OIR 25 INST STO RECORDER TEN SQ 130c  
CONSEC 0213 MONTH 06 SHIP EV WET BULB 11.2 OO O R WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
LAT 44 38.4N DAY 28 DATA USE 1 BAROMETR 1028.0 SEA ORIGIN DURATION 2 SQUARE 48  
LONG 145 17.8W HOUR 07.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 358 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	DAYG	P24	TOT P	NO2	NO3	SIO3	PH
	STO	00000	08.41	32.32	25.14	00.000	1481.0							
07.7	OBS	00003	08.41	32.323	25.14		1481.1							
	OBS	00007	08.35	32.318	25.14		1480.9							
	STO	00010	07.72	32.15	25.14	00.028	1478.4							
	OBS	00011	07.22	32.186	25.20		1476.4							
	OBS	00015	05.55	32.400	25.60		1465.2							
	STO	00020	04.76	32.43	25.65	00.054	1466.9							
	OBS	00022	04.52	32.442	25.72		1466.0							
	OBS	00026	04.33	32.460	25.76		1465.3							
	STO	00030	03.85	32.46	25.81	00.077	1465.3							
	OBS	00030	03.73	32.462	25.82		1462.8							
	OBS	00034	02.45	32.548	26.00		1457.4							
	OBS	00038	00.11	32.841	26.38		1447.4							
	OBS	00041	- 0.59	32.586	26.53		1444.5							
	OBS	00045	- 0.84	33.002	26.55		1443.4							
	STO	00050	- 0.89	33.00	26.55	00.114	1443.2							
	OBS	00053	- 0.51	32.597	26.55		1443.2							
	OBS	00057	- 0.51	32.955	26.55		1443.2							
	OBS	00062	- 0.51	33.000	26.55		1443.3							
	STO	00075	- 0.55	33.15	26.67	00.145	1443.6							
	OBS	00079	- 0.95	33.150	26.67		1443.6							
	STO	00100	- 1.18	33.26	26.77	00.183	1443.0							
	OBS	00100	- 1.18	33.260	26.77		1443.0							
	STO	00125	- 1.18	33.55	26.84	00.214	1443.6							
	OBS	00125	- 1.18	33.350	26.84		1443.6							
	STO	00150	- 0.94	33.50	26.96	00.242	1445.5							
	OBS	00150	- 0.94	33.500	26.96		1445.5							
	OBS	00175	- 0.65	33.500	27.01		1447.2							
	STO	00200	- 0.40	33.68	27.08	00.295	1446.9							
	OBS	00200	- 0.40	33.680	27.08		1446.9							
	OBS	00225	00.15	33.890	27.22		1452.1							
	STO	00250	00.70	34.21	27.45	00.335	1455.5							
	OBS	00250	00.70	34.210	27.45		1455.5							
	OBS	00252	00.71	34.220	27.46		1455.6							
	OBS	00275	00.00	34.360	27.57		1457.5							
	STO	00300	01.50	34.50	27.65	00.362	1460.3							
	OBS	00300	01.50	34.500	27.65		1460.3							
	OBS	00350	02.25	34.570	27.65		1464.5							
	STO	00400	03.00	34.75	27.71	00.409	1468.9							
	OBS	00400	03.00	34.750	27.71		1468.9							
	OBS	00450	03.80	34.900	27.75		1473.3							
	STO	00500	03.82	34.91	27.75	00.450	1474.2							
	OBS	00500	03.82	34.910	27.75		1474.2							
	OBS	00550	03.84	34.920	27.76		1475.1							
	STO	00600	03.82	34.92	27.76	00.490	1475.9							
	OBS	00600	03.82	34.920	27.76		1475.9							
	OBS	00650	03.81	34.920	27.76		1476.7							
	STO	00700	03.80	34.92	27.76	00.530	1477.5							
	OBS	00700	03.80	34.920	27.76		1477.5							
	OBS	00750	03.79	34.920	27.77		1476.3							
	STO	00800	03.78	34.93	27.77	00.571	1479.1							
	OBS	00800	03.78	34.930	27.77		1479.1							
	OBS	00850	03.78	34.930	27.77		1479.5							
	STO	00900	03.77	34.92	27.77	00.612	1480.7							
	OBS	00900	03.77	34.920	27.77		1480.7							
	OBS	00950	03.74	34.920	27.77		1481.4							
	STO	01000	03.70	34.93	27.76	00.654	1482.1							
	OBS	01000	03.70	34.930	27.76		1482.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N D A T A

REFID 01 8000 YEAR 1973 BOTOP AIR TEMP 06.9 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEM SW 130L  
 CONSEC 0014 MONTH 06 SHIP EV WET BULB 06.9 00 0 X WIND-SPO 13 TRACE DIA 0 5 SQUARE 2  
 LAT 44 38.3N DAY 28 DATA USE 1 BAROMETER 1028.0 SEA WIND-FOR GUARANTION 2 SQUARE 48  
 LONG 049 03 W HGUR 08.8 AREA 05 CLOUD 1/A CL/TR WEATHER K4 ORIG 011 399 1 SQUARE 49

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DRYG	P04	TOT P	N02	N03	S103	PH
08.0	STD	00000	06.89	32.56	25.38	00.000	1475.2							
	OBS	00003	06.89	32.364	25.38		1475.2							
	OBS	00007	05.69	32.357	25.51		1470.4							
	STD	00010	04.22	32.43	25.74	00.024	1464.5							
	OBS	00011	03.63	32.471	25.84		1462.1							
	OBS	00015	02.99	32.507	25.95		1459.5							
	STD	00020	01.09	32.64	26.17	00.045	1451.3							
	OBS	00024	00.19	32.738	26.30		1447.4							
	OBS	00028	- 0.78	32.904	26.47		1443.2							
	STD	00030	- 1.16	32.98	26.54	00.062	1441.6							
	OBS	00030	- 1.20	32.988	26.55		1441.4							
	OBS	00038	- 1.46	33.132	26.68		1440.4							
	STD	00050	- 1.41	33.19	26.72	00.090	1441.1							
	OBS	00053	- 1.39	33.204	26.73		1441.2							
	STD	00075	- 1.33	33.26	26.77	00.122	1441.9							
	OBS	00076	- 1.33	33.261	26.78		1441.9							
	STD	00100	- 1.20	33.34	26.83	00.154	1443.0							
	OBS	00102	- 1.18	33.350	26.84		1443.2							
	STD	00125	- 0.65	33.51	26.97	00.183	1444.9							
	OBS	00125	- 0.94	33.515	26.97		1445.0							
	OBS	00146	- 0.68	33.595	27.02		1446.7							
	STD	00150	- 0.64	33.63	27.05	00.209	1446.9							
	OBS	00152	- 0.58	33.670	27.08		1447.3							
	OBS	00175	- 0.41	33.680	27.08		1448.5							
	STD	00200	00.12	33.87	27.21	00.256	1451.6							
	OBS	00201	00.15	33.888	27.22		1451.8							
	OBS	00228	00.46	34.001	27.30		1453.8							
	OBS	00236	00.63	34.023	27.33		1454.7							
	STD	00250	00.71	34.17	27.42	00.294	1455.5							
	OBS	00275	01.00	34.380	27.57		1457.5							
	STD	00300	01.50	34.50	27.63	00.323	1460.3							
	OBS	00300	01.50	34.500	27.63		1460.3							
	OBS	00350	02.25	34.570	27.63		1464.5							
	STD	00400	03.00	34.75	27.71	00.368	1468.9							
	OBS	00400	03.00	34.750	27.71		1468.9							
	OBS	00450	03.80	34.900	27.75		1473.3							
	STD	00500	03.82	34.91	27.75	00.409	1474.2							
	OBS	00500	03.62	34.910	27.75		1474.2							
	OBS	00550	03.84	34.920	27.76		1475.1							
	STD	00600	03.82	34.92	27.76	00.449	1475.9							
	OBS	00600	03.82	34.920	27.76		1475.9							
	OBS	00650	03.81	34.920	27.76		1476.7							
	STD	00700	03.80	34.92	27.76	00.490	1477.5							
	OBS	00700	03.80	34.920	27.76		1477.5							
	OBS	00750	03.79	34.920	27.77		1478.3							
	STD	00800	03.78	34.93	27.77	00.530	1479.1							
	OBS	00800	03.78	34.930	27.77		1479.1							
	OBS	00850	03.78	34.930	27.77		1479.9							
	STD	00900	03.77	34.92	27.77	00.572	1480.7							
	OBS	00900	03.77	34.920	27.77		1480.7							
	OBS	00950	03.74	34.920	27.77		1481.4							
	STD	01000	03.70	34.93	27.78	00.613	1482.1							
	OBS	01000	03.70	34.930	27.78		1482.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 01 0355 YEAR 1973 BOTOP 01710 AIR TEMP 10.0 OIR MGT PER WIND-DIR 25 INST STG RECORDER TEN SQ 1300  
 CONSEC 0215 NGNTM 06 SHIP EV WET BULB 10.0 OJ U A WIND-SPD 13 TRACE DIR DURATION 5 SQUARE 2  
 LAT 47 30 N DAY 28 DATA USE 1 BAROMETR 1028.0 SEA CL/TR WEATHER A4 ORIG 011 400 2 SQUARE 48  
 LONG 048 51.1W HOUR 10.1 AREA 05 CLOUD T/A

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DTNDPTH	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	S103	PH
10.1	STO	00000	06.56	32.45	25.49	00.000	1474.1							
	OBS	00001	06.55	32.450	25.49		1474.1							
	STO	00010	06.57	32.46	25.50	00.025	1474.2							
	OBS	00010	06.57	32.460	25.50		1474.2							
	STO	00020	03.94	32.50	25.83	00.048	1463.6							
	OBS	00020	03.94	32.500	25.83		1463.6							
	STO	00030	03.06	32.51	25.92	00.070	1460.1							
	OBS	00030	03.06	32.510	25.92		1460.1							
	OBS	00040	01.77	32.800	26.25		1454.5							
	STO	00050	- 0.75	35.01	26.55	00.106	1443.9							
	OBS	00050	- 0.75	35.010	26.55		1443.9							
	OBS	00060	- 1.31	35.140	26.68		1441.6							
	STO	00075	- 1.27	35.28	26.75	00.140	1442.2							
	OBS	00080	- 1.09	35.340	26.83		1443.3							
	OBS	00090	- 0.46	35.460	26.91		1442.5							
	STO	00100	- 0.14	35.65	27.08	00.168	1440.5							
	OBS	00100	- 0.14	35.650	27.08		1440.5							
	OBS	00110	- 0.21	35.670	27.06		1448.3							
	OBS	00121	00.14	35.680	27.22		1450.4							
	STO	00125	00.20	35.88	27.22	00.191	1450.7							
	OBS	00125	00.21	35.867	27.22		1450.8							
	OBS	00144	01.16	34.140	27.37		1455.7							
	STO	00150	01.38	34.15	27.36	00.211	1456.8							
	OBS	00152	01.46	34.160	27.36		1457.2							
	OBS	00175	01.59	34.227	27.41		1458.3							
	STO	00200	01.69	34.36	27.45	00.245	1460.2							
	OBS	00201	01.92	34.370	27.50		1460.4							
	OBS	00209	02.08	34.430	27.53		1461.3							
	OBS	00213	02.23	34.478	27.56		1462.1							
	OBS	00226	02.41	34.507	27.57		1463.1							
	STO	00250	02.60	34.57	27.60	00.273	1464.4							
	OBS	00251	02.61	34.573	27.60		1464.5							
	OBS	00277	02.75	34.560	27.64		1465.5							
	STO	00300	02.14	34.71	27.66	00.297	1467.7							
	OBS	00300	02.15	34.712	27.66		1467.8							
	OBS	00350	02.77	34.845	27.71		1471.4							
	STO	00400	02.65	34.84	27.69	00.345	1472.6							
	OBS	00403	02.50	34.842	27.69		1472.9							
	OBS	00453	04.00	34.610	27.74		1474.2							
	STO	00500	03.98	34.61	27.74	00.386	1474.9							
	OBS	00502	03.98	34.610	27.74		1474.9							
	OBS	00552	03.95	34.910	27.74		1475.6							
	STO	00600	03.95	34.91	27.75	00.428	1476.4							
	OBS	00601	03.95	34.915	27.75		1476.5							
	OBS	00651	03.60	34.917	27.75		1477.1							
	STO	00700	03.85	34.93	27.77	00.469	1477.7							
	OBS	00700	03.85	34.930	27.77		1477.7							
	OBS	00750	03.86	34.917	27.76		1478.5							
	STO	00800	03.85	34.93	27.77	00.510	1475.3							
	OBS	00803	03.83	34.627	27.77		1475.3							
	OBS	00852	03.79	34.950	27.77		1480.0							
	STO	00900	03.80	34.93	27.77	00.552	1480.8							
	OBS	00902	03.80	34.925	27.77		1483.8							
	OBS	00951	03.74	34.920	27.77		1481.4							
	STO	01000	03.71	34.93	27.78	00.554	1482.1							
	OBS	01001	03.71	34.926	27.78		1482.1							
	STO	01100	03.73	34.93	27.78	00.636	1483.9							
	OBS	01100	03.73	34.930	27.78		1483.9							
	STO	01200	03.70	34.92	27.78	00.679	1485.4							
	OBS	01200	03.70	34.920	27.78		1485.4							
	OBS	01203	03.70	34.920	27.78		1485.4							
	OBS	01237	03.68	34.922	27.78		1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 0355 YEAA 1973 BGTOP 02530 AIR TEMP 09.2 DIR MGT PER WIND-OIR 24 INST STD RECORDER TEN 50 1506  
 CONSEC 0216 MONTH 06 SHIP EV WET OULB 06.2 00 0 X WIND-SPO 13 TRACE OIR 0 5 SQUARE 2  
 LAT 44 36.2N DAY 28 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 33 W HOUR 12.9 AREA 05 CLOUD T/A CL/TR WEATHER A4 DRIG 011 401 1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTM	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	SIG3	PH
12.5	STD	00000	06.37	32.51	25.56	00.000	1473.3							
	OBS	00003	06.37	32.910	25.56		1473.3							
	OBS	00007	05.95	32.450	25.57		1471.6							
	STD	00010	05.12	32.50	25.70	00.024	1468.4							
	OBS	00011	04.73	32.530	25.77		1468.8							
	STD	00020	04.11	32.73	26.00	00.045	1464.6							
	OBS	00022	03.90	32.780	26.05		1465.6							
	OBS	00026	03.62	31.830	26.12		1462.0							
	STD	00030	03.63	32.95	26.25	00.064	1463.1							
	OBS	00030	03.63	33.000	26.26		1463.1							
	OBS	00034	02.54	32.910	26.26		1468.3							
	OBS	00038	00.90	33.200	26.83		1451.5							
	OBS	00041	- 0.06	33.340	26.79		1447.4							
	OBS	00045	- 0.55	33.470	26.92		1445.4							
	OBS	00049	- 0.63	33.500	26.95		1445.1							
	STD	00050	- 0.63	33.51	26.95	00.093	1445.1							
	OBS	00055	- 0.62	33.550	26.95		1445.3							
	STD	00075	- 0.14	33.80	27.17	00.118	1448.2							
	OBS	00076	- 0.11	33.810	27.17		1448.4							
	STD	00100	00.65	33.98	27.27	00.140	1452.5							
	OBS	00102	00.87	34.050	27.31		1453.6							
	OBS	00136	01.21	34.160	27.38		1455.4							
	STD	00125	01.46	34.25	27.42	00.155	1456.9							
	OBS	00125	01.47	34.235	27.42		1456.9							
	STD	00150	01.80	34.34	27.50	00.174	1455.1							
	OBS	00132	01.86	34.370	27.50		1455.3							
	OBS	00167	01.97	34.350	27.51		1460.1							
	OBS	00178	02.07	34.560	27.55		1465.5							
	OBS	00154	03.40	34.580	27.55		1466.9							
	STD	00200	03.30	34.58	27.54	00.204	1466.6							
	OBS	00201	03.27	34.575	27.54		1466.5							
	OBS	00217	03.15	34.592	27.57		1468.2							
	OBS	00228	03.52	34.707	27.62		1468.2							
	STD	00250	03.60	34.72	27.63	00.230	1468.9							
	OBS	00251	03.61	34.720	27.63		1469.0							
	OBS	00277	03.78	34.720	27.61		1470.1							
	STD	00300	03.73	34.77	27.65	00.255	1470.4							
	OBS	00300	03.74	34.766	27.65		1470.4							
	OBS	00306	03.63	34.757	27.63		1470.1							
	OBS	00350	03.75	34.840	27.71		1471.4							
	STD	00400	03.90	34.85	27.70	00.301	1472.8							
	OBS	00400	03.91	34.848	27.70		1472.5							
	OBS	00453	03.93	34.857	27.70		1473.9							
	STD	00500	04.31	34.92	27.71	00.346	1476.3							
	OBS	00502	04.31	34.923	27.71		1476.3							
	OBS	00552	04.10	34.917	27.73		1476.3							
	STD	00600	04.38	34.93	27.71	00.391	1478.2							
	OBS	00601	04.38	34.932	27.71		1478.3							
	OBS	00651	04.29	34.920	27.71		1478.7							
	STD	00700	04.00	34.91	27.74	00.435	1478.3							
	OBS	00700	04.00	34.910	27.74		1478.3							
	OBS	00750	04.00	34.910	27.74		1475.1							
	STD	00800	04.09	34.91	27.73	00.460	1460.3							
	OBS	00800	04.09	34.914	27.73		1460.4							
	OBS	00852	04.08	34.910	27.73		1481.2							
	STD	00900	03.67	34.91	27.75	00.524	1481.1							
	OBS	00902	03.66	34.912	27.75		1481.1							
	OBS	00951	03.86	34.912	27.75		1481.9							
	STD	01000	03.92	34.93	27.76	00.566	1483.0							
	OBS	01001	03.92	34.930	27.76		1483.0							
	STD	01100	03.84	34.93	27.77	00.612	1484.3							
	OBS	01100	03.84	34.927	27.77		1484.3							
	STD	01200	03.79	34.93	27.77	00.657	1485.8							
	OBS	01203	03.79	34.927	27.77		1485.8							
	OBS	01225	03.78	34.950	27.77		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOOC STATION DATA

REF ID: J1 8333 YEAR 1973 BOTOP 02871 AIR TEMP 10.7 DIR MGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1306  
 CONSEC 3217 MONTH 06 SMIP EV WET BULB 10.7 13 0 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 44 35.8N DAY 28 DATA USE 4 BARGMTR 1028.7 SEA CL/TR WIND-FOR 0 DURATION ORIG "011 402 2 SQUARE 48  
 LONG 148 23.1W HOUR 14.3 AREA 05 CLOUD 7/A WEATHER 44

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
14.3	STO	00000	08.64	32.866	25.49									
	OBS	00003	08.84	32.856	25.46	00.000								1483.3
	STO	00010	08.59	32.800	25.48									1483.4
	OBS	00011	08.53	32.790	25.48	00.025								1482.5
	OBS	00015	05.77	32.765	25.84									1482.3
	OBS	00019	05.20	32.853	25.98									1471.4
	STO	00020	05.09	32.86	25.99									1469.3
	OBS	00022	04.83	32.860	26.02	00.048								1468.8
	OBS	00026	04.60	32.857	26.04									1467.8
	STO	00030	04.20	32.88	26.10	00.067								1466.9
	OBS	00030	04.10	32.881	26.12									1466.9
	OBS	00034	02.97	32.908	26.24									1460.2
	OBS	00038	01.28	33.079	26.51									1453.1
	OBS	00041	- 0.16	33.280	26.75									1446.9
	OBS	00045	- 0.53	33.420	26.88									1445.4
	STO	00050	- 0.33	33.53	26.96	00.098								1446.5
	OBS	00053	- 0.17	33.576	26.99									1447.4
	OBS	00057	00.03	33.602	27.00									1446.4
	OBS	00060	00.03	33.669	27.05									1446.6
	OBS	00072	00.64	33.824	27.13									1452.6
	STO	00075	00.66	33.84	27.14	00.123								1451.9
	OBS	00076	00.41	33.840	27.14									1451.1
	OBS	00074	00.42	33.838	27.16									1451.9
	OBS	00091	00.61	33.858	27.21									1452.0
	OBS	00095	00.78	34.042	27.31									1453.1
	OBS	00099	01.17	34.063	27.30									1454.9
	STO	00100	01.21	34.05	27.32	00.145								1455.2
	OBS	00102	01.35	34.137	27.35									1455.9
	OBS	00110	01.95	34.175	27.34									1458.6
	OBS	00118	01.81	34.170	27.34									1456.2
	STO	00125	02.17	34.22	27.35	00.163								1460.0
	OBS	00125	02.20	34.224	27.36									1460.1
	OBS	00125	01.98	34.273	27.41									1459.3
	STO	00150	02.21	34.46	27.54	00.180								1460.9
	OBS	00152	02.57	34.499	27.54									1462.6
	OBS	00156	02.31	34.560	27.53									1465.9
	OBS	00163	03.03	34.510	27.51									1464.8
	OBS	00175	03.19	34.560	27.54									1465.7
	OBS	00186	03.26	34.565	27.53									1466.2
	OBS	00194	02.75	34.523	27.55									1464.1
	STO	00200	02.68	34.56	27.56	00.207								1464.8
	OBS	00201	02.95	34.567	27.57									1465.0
	OBS	00217	03.44	34.680	27.61									1467.6
	OBS	00224	03.71	34.730	27.62									1469.0
	OBS	00228	03.76	34.730	27.62									1469.2
	STO	00250	03.72	34.71	27.61	00.234								1469.4
	OBS	00251	03.72	34.714	27.61									1469.4
	OBS	00277	04.17	34.850	27.67									1471.9
	OBS	00293	04.18	34.840	27.66									1472.2
	STO	00300	04.38	34.85	27.65	00.259								1473.2
	OBS	00300	04.40	34.850	27.65									1473.3
	OBS	00350	04.17	34.877	27.69									1473.2
	STO	00400	04.37	34.92	27.71	00.305								1474.9
	OBS	00405	04.36	34.923	27.71									1475.0
	OBS	00455	04.32	34.910	27.70									1475.5
	STO	00500	04.21	34.92	27.72	00.349								1475.9
	OBS	00502	04.20	34.920	27.72									1475.9
	OBS	00552	04.04	34.930	27.75									1476.0
	STO	00600	03.97	34.93	27.76	00.391								1476.5
	OBS	00601	03.97	34.930	27.76									1476.6
	OBS	00651	04.07	34.940	27.74									1477.8
	STO	00700	04.04	34.91	27.73	00.435								1478.5
	OBS	00700	04.04	34.913	27.73									1478.5
	OBS	00750	04.03	34.927	27.75									1479.3
	STO	00800	04.02	34.94	27.74	00.477								1480.1
	OBS	00803	04.02	34.922	27.74									1480.1
	OBS	00852	03.96	34.940	27.75									1480.8
	STO	00900	04.00	34.93	27.75	00.521								1481.6
	OBS	00902	04.00	34.930	27.75									1481.7
	OBS	00955	03.95	34.917	27.75									1482.3
	STO	01000	03.96	34.91	27.74	00.567								1483.1
	OBS	01001	03.96	34.910	27.74									1483.1
	STO	01100	03.87	34.93	27.76	00.612								1484.4
	OBS	01100	03.87	34.927	27.76									1484.4
	STO	01200	03.79	34.95	27.78	00.656								1485.8
	OBS	01205	03.79	34.935	27.78									1485.8
	OBS	01253	03.77	34.922	27.77									1486.2

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REF ID: A6000 Year: 1973 BOTOP: 03161 AIR TEMP: 11.3 DIR: HGT PER WIND-DIR: 48 INST. STO. RECORDER TEN SW: 1.06  
 CONS: C 0216 MONTH: 06 SHIP EV: WET BULB: 11.3 DD: J A WIND-SPD: 16 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 33.5N DAY: 26 DATA USE: 1 BAROMETR: 1028.2 SEA: WIND-FOR: DURATION: 1 SQUARE: 48  
 LONG: 114.4W HOUR: 06.3 AREA: 05 CLOUD: T/A CL/TH: WEATHER: X4 ORIG: 011 403 1 SQUARE: 48

CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPHT	SNO VEL	DAYG	P04	TOT P	NO2	NO3	S103	PH
10.3	STD	00000	06.73	32.86	25.51	00.000	1482.4							
	OBS	00000	06.73	32.855	25.51		1483.0							
	OBS	00007	06.77	32.705	25.67		1475.3							
	STD	00010	06.59	32.79	25.76	00.024	1474.7							
	OBS	00011	06.31	32.805	25.80		1473.6							
	OBS	00015	04.90	32.720	25.90		1467.8							
	OBS	00019	04.42	32.865	26.07		1466.1							
	STD	00020	04.45	32.91	26.10	00.045	1466.2							
	OBS	00022	04.46	32.965	26.14		1466.4							
	OBS	00026	03.71	32.910	26.18		1463.5							
	STD	00030	02.70	33.08	26.40	00.062	1454.2							
	OBS	00030	02.58	33.100	26.43		1458.7							
	OBS	00034	01.86	33.166	26.54		1455.7							
	OBS	00038	00.60	33.256	26.66		1451.1							
	OBS	00042	00.06	33.448	26.87		1448.1							
	OBS	00045	- 0.18	33.450	26.92		1447.1							
	STD	00050	- 0.20	33.51	26.94	00.090	1447.1							
	OBS	00053	- 0.21	33.530	26.95		1447.2							
	OBS	00060	- 0.33	33.584	27.00		1446.5							
	STD	00075	03.13	33.80	27.15	00.116	1449.5							
	OBS	00076	00.17	33.813	27.16		1449.7							
	OBS	00099	00.91	34.064	27.32		1453.8							
	STD	00100	01.05	34.07	27.32	00.137	1454.4							
	OBS	00102	01.29	34.050	27.32		1455.6							
	OBS	00106	01.25	34.056	27.32		1455.5							
	OBS	00114	01.60	34.241	27.40		1458.2							
	OBS	00116	01.48	34.236	27.42		1456.9							
	STD	00125	01.54	34.24	27.42	00.155	1457.3							
	OBS	00125	01.55	34.236	27.42		1457.3							
	OBS	00140	01.60	34.348	27.50		1458.2							
	OBS	00144	01.91	34.577	27.50		1459.4							
	OBS	00148	02.60	34.460	27.53		1462.9							
	STD	00150	02.66	34.46	27.53	00.170	1462.9							
	OBS	00154	02.67	34.460	27.53		1463.0							
	OBS	00175	03.02	34.575	27.56		1465.0							
	STD	00200	02.55	34.58	27.58	00.198	1465.1							
	OBS	00201	02.94	34.582	27.58		1465.1							
	OBS	00226	02.12	34.685	27.64		1466.5							
	STD	00250	03.57	34.75	27.65	00.223	1468.8							
	OBS	00251	03.60	34.754	27.65		1469.3							
	OBS	00277	04.08	34.658	27.69		1471.6							
	STD	00300	04.17	34.62	27.73	00.245	1472.4							
	OBS	00300	04.17	34.622	27.73		1472.4							
	OBS	00350	04.26	34.625	27.72		1473.6							
	STD	00400	04.18	34.65	27.73	00.286	1474.1							
	OBS	00400	04.18	34.650	27.74		1474.2							
	OBS	00455	04.18	34.610	27.72		1475.0							
	STD	00500	04.15	34.62	27.73	00.328	1475.6							
	OBS	00502	04.15	34.617	27.73		1475.7							
	OBS	00552	04.03	34.927	27.75		1476.0							
	STD	00600	04.14	34.94	27.74	00.371	1477.3							
	OBS	00601	04.14	34.937	27.74		1477.3							
	OBS	00651	04.09	34.920	27.73		1477.9							
	STD	00700	03.69	34.92	27.76	00.415	1477.9							
	OBS	00700	03.69	34.922	27.76		1477.9							
	OBS	00750	03.83	34.930	27.77		1476.4							
	STD	00800	03.65	34.93	27.77	00.455	1475.3							
	OBS	00800	03.65	34.927	27.77		1475.3							
	OBS	00812	03.43	34.920	27.75		1476.6							
	STD	00900	03.88	34.92	27.76	00.497	1481.1							
	OBS	00902	03.66	34.922	27.76		1481.2							
	OBS	00951	03.62	34.910	27.75		1481.7							
	STD	01000	03.73	34.91	27.76	00.540	1482.2							
	OBS	01001	03.73	34.910	27.76		1482.2							
	STD	01100	03.70	34.92	27.78	00.583	1485.7							
	OBS	01100	03.70	34.920	27.78		1485.7							
	STD	01200	03.70	34.92	27.78	00.627	1485.4							
	OBS	01200	03.70	34.920	27.78		1485.4							
	OBS	01214	03.74	34.910	27.76		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOGC STATION DATA

REFID 31 8395 YEAR 1973 BOTOP 05436 AIR TEMP 12.3 DIR MGT PER WIND-DIR 27 INST STD RECORDER IEN 00 1006  
 CONSEC 0219 MONTH 06 SWIP EV MET BUL6 12.3 WIND-SPO 14 TRACE DIR 0 5 SQUARE 2  
 LAT 44 35 N DAY 28 DATA USE 1 BAROMETER 1028.0 SEA CL/TR WIND-FOR ORURATION 2 SQUARE 46  
 LONG 047 56.8W HOUR 16.2 AREA 05 CLOUD T/A WEATHER 44 ORIG 011 404 1 SQUARE 47

CASSTN/M/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OVNOPHT	SND VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
10.2	STD	00000	09.20	32.79	25.38	00.000	1484.6							
	085	00003	09.20	32.786	25.38		1484.7							
	085	00007	09.51	32.470	25.46		1475.5							
	STD	00010	09.04	32.40	25.56	00.025	1470.3							
	085	00011	09.99	32.553	25.60		1467.6							
	085	00015	09.54	32.670	26.00		1462.0							
	085	00019	09.10	32.827	26.17		1460.4							
	STD	00020	09.28	32.84	26.17	00.047	1461.2							
	085	00022	09.50	32.878	26.17		1462.2							
	085	00026	09.12	32.897	26.22		1460.7							
	STD	00030	02.65	32.93	26.30	00.065	1458.8							
	085	00033	02.50	32.961	26.32		1458.4							
	085	00034	01.73	33.135	26.52		1455.1							
	085	00041	00.59	33.242	26.66		1455.0							
	085	00043	00.88	33.398	26.79		1451.8							
	085	00045	00.31	33.405	26.83		1445.3							
	STD	00050	00.33	33.43	26.85	00.094	1449.5							
	085	00053	00.53	33.554	26.93		1450.6							
	085	00064	- 0.03	33.580	26.98		1448.2							
	085	00068	00.01	33.672	27.06		1446.6							
	085	00072	00.77	33.793	27.11		1452.3							
	STD	00075	00.61	33.78	27.11	00.121	1451.6							
	085	00076	00.36	33.780	27.11		1451.4							
	STD	00080	00.73	33.99	27.27	00.143	1452.9							
	085	00102	00.74	34.014	27.29		1453.2							
	STD	00125	01.27	34.14	27.36	00.165	1455.9							
	085	00129	01.29	34.147	27.36		1456.0							
	085	00144	01.91	34.216	27.45		1459.3							
	STD	00150	02.06	34.36	27.47	00.180	1460.1							
	085	00152	02.11	34.370	27.46		1460.4							
	085	00171	02.33	34.440	27.52		1461.8							
	085	00176	03.17	34.575	27.55		1465.7							
	STD	00200	03.37	34.55	27.54	00.209	1466.9							
	085	00203	03.43	34.603	27.55		1467.3							
	085	00226	05.66	34.700	27.60		1468.6							
	085	00239	03.44	34.670	27.60		1468.0							
	STD	00250	03.43	34.70	27.62	00.236	1468.3							
	085	00251	03.46	34.700	27.62		1468.3							
	085	00277	05.73	34.730	27.62		1465.9							
	085	00281	03.73	34.775	27.65		1470.1							
	085	00285	04.11	34.855	27.68		1471.8							
	STD	00300	04.14	34.84	27.67	00.260	1472.2							
	085	00300	04.14	34.840	27.67		1472.2							
	085	00335	03.61	34.807	27.69		1470.5							
	085	00350	03.70	34.825	27.70		1471.1							
	085	00376	04.14	34.898	27.71		1473.5							
	STD	00382	04.02	34.880	27.71	00.305	1473.2							
	085	00400	04.32	34.92	27.71		1474.7							
	085	00403	04.43	34.950	27.71		1475.2							
	085	00455	04.43	34.925	27.70		1476.0							
	STD	00500	04.44	34.92	27.69	00.350	1476.8							
	085	00502	04.44	34.915	27.69		1476.6							
	085	00552	04.33	34.913	27.70		1476.6							
	STD	00600	04.21	34.93	27.73	00.395	1477.2							
	085	00601	04.21	34.930	27.73		1477.6							
	085	00651	04.03	34.910	27.73		1477.7							
	STD	00700	04.10	34.92	27.74	00.439	1478.7							
	085	00700	04.10	34.922	27.74		1478.7							
	085	00780	03.95	34.922	27.75		1478.9							
	STD	00800	03.85	34.91	27.75	00.483	1479.5							
	085	00803	03.89	34.910	27.75		1479.6							
	085	00852	03.85	34.927	27.77		1480.2							
	STD	00900	03.63	34.92	27.76	00.526	1480.9							
	085	00902	03.63	34.915	27.76		1480.0							
	085	00951	03.83	34.916	27.76		1481.6							
	STD	01000	03.76	34.92	27.77	00.569	1482.3							
	085	01001	03.76	34.920	27.77		1482.3							
	STD	01100	03.74	34.91	27.76	00.613	1483.9							
	085	01100	03.74	34.910	27.76		1483.9							
	085	01159	03.75	34.925	27.77		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 0155 YEAR 1973 BOTOP 03520 AIR TEMP 10.5 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SW 1306  
 CONSEC 0220 MONTH 06 SHIP EV WET BULB 10.5 00 0 A WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 44 21.4N DAY 26 DATA USE 1 BAROMETR 1027.4 SEA CL7TR WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 # HOUR 21.0 AREA 05 CLOUD T/A CL7TR WEATHER X4 ORIG 011 405 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DAYG	P34	TOT P	NO2	NO3	S103	PH
11.0	STD	0000	06.91	32.64	25.60	00.000	1475.6							
	OBS	0000	06.91	32.640	25.60		1475.7							
	OBS	0000	06.63	32.750	25.72		1474.8							
	STD	0010	06.03	32.75	25.80	00.023	1472.4							
	OBS	0011	05.77	32.750	25.83		1471.4							
	OBS	0015	05.45	32.750	25.90		1470.1							
	OBS	0015	04.21	32.820	26.06		1465.1							
	STD	0020	04.19	32.82	26.06	00.044	1465.1							
	OBS	0022	04.07	32.830	26.08		1464.6							
	OBS	0026	03.74	32.860	26.13		1463.3							
	STD	0030	03.10	32.95	26.27	00.063	1460.7							
	OBS	0030	03.04	32.960	26.28		1460.4							
	OBS	0034	03.50	33.180	26.61		1451.5							
	STD	0035	03.02	33.25	26.75	00.053	1447.8							
	OBS	0053	- 0.24	33.330	26.79		1446.7							
	STD	0075	- 0.76	33.47	26.93	00.124	1444.9							
	OBS	0076	- 0.77	33.480	26.93		1444.9							
	STD	0100	- 0.55	33.66	27.07	00.150	1446.6							
	OBS	0102	- 0.47	33.680	27.08		1447.0							
	STD	0125	00.52	33.85	27.20	00.174	1452.2							
	OBS	0125	00.53	33.850	27.20		1452.2							
	OBS	0140	00.70	33.570	27.26		1453.4							
	OBS	0144	00.75	34.000	27.30		1453.9							
	STD	0150	01.05	34.10	27.34	00.194	1455.3							
	OBS	0152	01.14	34.130	27.36		1455.8							
	OBS	0175	01.49	34.220	27.41		1457.8							
	OBS	0166	01.70	34.230	27.40		1459.0							
	OBS	0150	01.95	34.360	27.49		1460.3							
	STD	0200	02.08	34.36	27.48	00.228	1460.0							
	OBS	0201	02.11	34.370	27.48		1461.2							
	OBS	0213	02.33	34.460	27.53		1462.5							
	OBS	0217	02.73	34.510	27.54		1464.3							
	OBS	0224	03.04	34.570	27.56		1465.9							
	OBS	0222	02.52	34.570	27.57		1465.5							
	STD	0250	03.46	34.69	27.61	00.257	1466.4							
	OBS	0251	03.50	34.690	27.61		1466.5							
	OBS	0255	03.55	34.690	27.61		1468.7							
	OBS	0266	04.31	34.810	27.62		1472.3							
	OBS	0270	04.32	34.810	27.62		1472.4							
	OBS	0278	04.14	34.780	27.62		1471.7							
	OBS	0261	03.88	34.730	27.61		1470.6							
	STD	0300	03.68	34.70	27.60	00.282	1470.0							
	OBS	0300	03.67	34.700	27.60		1470.0							
	OBS	0350	03.65	34.710	27.61		1470.9							
	STD	0400	04.41	34.92	27.70	00.331	1475.1							
	OBS	0403	04.43	34.930	27.71		1475.2							
	OBS	0455	04.16	34.850	27.70		1474.8							
	STD	0500	02.96	34.86	27.70	00.375	1474.8							
	OBS	0502	02.98	34.860	27.70		1474.9							
	OBS	0552	04.00	34.910	27.74		1475.8							
	STD	0600	04.02	34.92	27.74	00.419	1476.7							
	OBS	0601	04.02	34.920	27.74		1476.8							
	OBS	0651	03.98	34.930	27.75		1477.4							
	STD	0700	04.05	34.92	27.74	00.462	1478.5							
	OBS	0700	04.05	34.920	27.74		1478.5							
	OBS	0750	03.56	34.910	27.74		1479.0							
	STD	0800	03.90	34.93	27.76	00.505	1479.6							
	OBS	0800	03.90	34.930	27.76		1479.6							
	OBS	0852	03.94	34.920	27.75		1480.5							
	STD	0900	03.86	34.92	27.76	00.548	1481.1							
	OBS	0902	03.86	34.920	27.76		1481.1							
	OBS	0951	03.80	34.930	27.77		1481.7							
	STD	1000	03.78	34.93	27.77	00.590	1482.4							
	OBS	1001	03.78	34.930	27.77		1482.4							
	STD	1100	03.75	34.92	27.77	00.633	1483.9							
	OBS	1100	03.75	34.920	27.77		1483.9							
	STD	1200	03.74	34.92	27.77	00.678	1485.6							
	OBS	1200	03.74	34.920	27.77		1485.6							
	OBS	1203	03.74	34.920	27.77		1485.6							
	OBS	01218	03.74	34.920	27.77		1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 0255	YEAR 1973	BOTOP 03407	AIR TEMP 10.8	OIR HGT PER	WIND-OIR Z6	INST STO RECORDER	TEN 50 1306
CONSEC 0221	MONTH 06	SHIP EV	WET BULB 10.8	03 0 X	WIND-SPO 14	TRACE DIR	5 SQUARE 2
LAT 44 19.8M	DAY 28	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 08 W	HOOR 23.2	AREA 05	CLOUD T/A	CL/T/A	WEATHER A4	ORIG 011 436	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SPD VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.2	STO	00000	09.27	32.64	25.41	00.000	1466.9							
	OBS	00003	09.27	22.845	25.41		1465.0							
	OBS	00007	09.16	32.818	25.41		1466.6							
	STO	00010	07.32	32.70	25.59	00.025	1477.4							
	OBS	00011	06.51	32.682	25.68		1474.2							
	OBS	00015	05.31	32.832	25.95		1469.6							
	OBS	00019	05.08	32.810	25.95		1468.7							
	STO	00020	04.51	32.83	25.59	00.047	1468.1							
	OBS	00022	04.52	32.901	26.09		1466.6							
	STO	00030	03.57	33.06	26.27	00.066	1464.6							
	OBS	00030	03.95	33.063	26.27		1464.5							
	OBS	00034	05.84	33.095	26.51		1464.2							
	OBS	00038	05.44	33.162	26.40		1462.6							
	OBS	00041	02.66	33.374	26.64		1455.6							
	OBS	00045	02.20	33.477	26.76		1457.8							
	STO	00050	01.49	33.54	26.84	00.096	1456.8							
	OBS	00053	01.68	33.590	26.85		1455.8							
	STO	00075	01.12	33.86	27.15	00.123	1454.0							
	OBS	00076	01.10	33.874	27.16		1454.0							
	OBS	00091	00.99	34.020	27.28		1453.9							
	STO	00100	01.03	34.05	27.30	00.144	1454.3							
	OBS	00102	01.06	34.062	27.31		1454.5							
	OBS	00125	01.44	34.21	27.40	00.163	1456.8							
	OBS	00125	01.46	34.214	27.40		1456.9							
	STO	00150	02.47	34.48	27.54	00.178	1462.1							
	OBS	00152	02.54	34.494	27.54		1462.4							
	OBS	00175	03.03	34.567	27.56		1465.0							
	STO	00200	02.82	34.57	27.58	00.206	1464.6							
	OBS	00201	02.81	34.570	27.58		1464.5							
	OBS	00228	03.04	34.667	27.65		1466.3							
	STO	00250	03.44	34.65	27.62	00.232	1468.4							
	OBS	00251	03.52	34.700	27.62		1468.6							
	OBS	00270	03.97	34.845	27.69		1471.0							
	OBS	00277	04.03	34.845	27.68		1471.3							
	STO	00300	03.79	34.82	27.65	00.255	1470.7							
	OBS	00300	03.78	34.820	27.69		1470.6							
	OBS	00306	03.84	34.825	27.69		1471.0							
	OBS	00314	04.07	34.850	27.68		1472.2							
	OBS	00350	04.26	34.920	27.72		1473.6							
	STO	00400	04.24	34.90	27.70	00.300	1474.3							
	OBS	00403	04.24	34.895	27.70		1474.4							
	OBS	00452	04.17	34.920	27.73		1474.9							
	STO	00500	04.13	34.89	27.71	00.344	1475.5							
	OBS	00504	04.12	34.890	27.71		1475.5							
	OBS	00552	02.96	34.915	27.74		1475.7							
	STO	00600	03.93	34.91	27.74	00.368	1476.4							
	OBS	00601	03.93	34.910	27.74		1476.4							
	OBS	00651	03.80	34.900	27.75		1476.6							
	STO	00700	03.62	34.91	27.76	00.429	1477.5							
	OBS	00700	03.62	34.915	27.76		1477.6							
	OBS	00750	03.77	34.913	27.76		1478.2							
	STO	00800	03.73	34.91	27.77	00.471	1478.8							
	OBS	00803	03.75	34.913	27.77		1478.9							
	OBS	00852	03.74	34.913	27.77		1479.7							
	STO	00900	03.72	34.91	27.77	00.512	1480.4							
	OBS	00902	03.72	34.913	27.77		1480.5							
	OBS	00951	03.74	34.916	27.77		1481.4							
	STO	01000	03.72	34.92	27.77	00.555	1482.1							
	OBS	01001	03.72	34.917	27.77		1482.1							
	STO	01100	03.79	34.91	27.76	00.599	1484.1							
	OBS	01100	03.75	34.907	27.76		1484.1							
	STO	01200	03.82	34.91	27.76	00.644	1485.9							
	OBS	01203	03.82	34.915	27.76		1485.9							
	OBS	01222	03.79	34.902	27.75		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D G C S T A T I O N D A T A

REFID 04 8355 YEAR 1973 BGTOP 01778 AIR TEMP 09.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306  
 CDNSEC 0222 MONTH 06 SHIP EV WET BULB 09.6 00 0 X WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 44 18.7N DAY 29 DATA USE 1 BAROMETR 1027.8 SEA CL/TR WIND-FDR 0URATION 2 SQUARE 48  
 LONG 048 21.1W MOJR 01-5 AREA 05 CLOUD T/A WEATHER A4 ORIG 011 407 1 SQUARE 48

CAS/NO/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DXYG	PD4	TOT P	MO2	MO3	SIO3	PH
01.5	STD	00000	06.74	32.51	25.52	00.000	1474.8							
	DBS	00003	06.74	32.511	25.52		1474.8							
	DBS	00007	06.70	32.503	25.52		1474.7							
	STD	00010	06.43	32.44	25.50	00.025	1473.6							
	DBS	00011	06.08	32.433	25.54		1472.2							
	DBS	00015	04.36	32.507	25.79		1465.4							
	DBS	00019	03.68	32.536	25.88		1462.5							
	STD	00020	03.61	32.58	25.92	00.046	1462.3							
	DBS	00022	03.54	32.695	26.02		1462.2							
	DBS	00026	03.72	32.817	26.10		1463.2							
	STD	00030	03.67	32.81	26.10	00.066	1463.0							
	DBS	00030	03.64	32.811	26.10		1462.9							
	DBS	00034	03.29	32.632	26.15		1461.5							
	DBS	00038	02.38	32.518	26.30		1457.7							
	DBS	00041	01.13	33.074	26.51		1452.4							
	DBS	00045	00.10	33.430	26.86		1446.3							
	DBS	00049	00.26	33.478	26.89		1449.2							
	STD	00050	00.24	33.48	26.89	00.099	1449.1							
	DBS	00053	00.10	33.517	26.93		1448.6							
	DBS	00072	- 0.14	33.661	27.05		1448.0							
	STD	00075	- 0.09	33.67	27.06	00.126	1448.3							
	DBS	00076	- 0.37	33.681	27.07		1448.4							
	DBS	00084	00.59	33.933	27.23		1452.1							
	STD	00100	00.64	33.95	27.25	00.149	1452.4							
	DBS	00102	00.78	33.992	27.27		1453.1							
	DBS	00118	01.66	34.176	27.36		1457.6							
	STD	00125	01.97	34.24	27.39	00.168	1459.2							
	DBS	00125	02.01	34.252	27.39		1459.3							
	DBS	00133	02.64	34.360	27.43		1462.4							
	DBS	00140	02.68	34.400	27.46		1462.7							
	STD	00150	03.13	34.44	27.45	00.185	1464.9							
	DBS	00159	03.35	34.480	27.46		1466.0							
	DBS	00167	03.33	34.500	27.48		1466.1							
	DBS	00175	02.81	34.443	27.48		1463.9							
	DBS	00190	02.88	34.525	27.54		1464.6							
	DBS	00194	03.17	34.573	27.55		1466.0							
	STD	00200	03.36	34.65	27.55	00.214	1467.1							
	DBS	00201	03.44	34.665	27.60		1467.4							
	DBS	00228	03.91	34.710	27.59		1469.8							
	STD	00250	03.90	34.71	27.59	00.241	1470.2							
	DBS	00251	03.90	34.710	27.59		1470.2							
	DBS	00258	03.93	34.800	27.66		1470.6							
	DBS	00262	04.30	34.845	27.65		1472.2							
	DBS	00266	04.38	34.858	27.65		1472.6							
	DBS	00270	04.65	34.898	27.66		1473.9							
	DBS	00277	04.65	34.910	27.67		1474.0							
	STD	00300	04.70	34.92	27.67	00.266	1474.6							
	DBS	00300	04.70	34.917	27.67		1474.6							
	DBS	00308	04.52	34.867	27.66		1474.0							
	DBS	00316	04.16	34.835	27.66		1472.5							
	DBS	00350	04.25	34.664	27.69		1473.5							
	DBS	00357	04.04	34.845	27.68		1472.7							
	STD	00400	04.22	34.92	27.72	00.311	1474.3							
	DBS	00403	04.23	34.920	27.72		1474.4							
	DBS	00445	04.22	34.994	27.70		1475.0							
	DBS	00456	04.06	34.682	27.71		1474.5							
	STD	00500	04.06	34.92	27.73	00.353	1475.2							
	DBS	00502	04.06	34.916	27.73		1475.3							
	DBS	00554	04.02	34.913	27.74		1475.9							
	STD	00600	02.42	34.91	27.75	00.395	1476.3							
	DBS	00631	03.62	34.915	27.75		1476.3							
	DBS	00651	03.62	34.907	27.75		1476.7							
	STD	00700	03.77	34.91	27.76	00.436	1477.3							
	DBS	00700	03.77	34.906	27.76		1477.3							
	DBS	00750	03.76	34.915	27.76		1478.1							
	STD	00800	03.71	34.91	27.77	00.478	1478.8							
	DBS	00803	03.74	34.913	27.77		1478.8							
	DBS	00852	03.69	34.910	27.77		1479.5							
	STD	00900	03.68	34.91	27.77	00.519	1480.3							
	DBS	00902	03.68	34.913	27.77		1480.3							
	DBS	00951	03.67	34.917	27.78		1481.1							
	STD	01000	03.69	34.92	27.78	00.561	1482.0							
	DBS	01001	03.69	34.920	27.78		1482.0							
	STD	01100	03.69	34.90	27.76	00.604	1483.6							
	DBS	01100	03.69	34.900	27.76		1483.6							
	DBS	01134	03.70	34.900	27.76		1484.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N D A T A

REFID 34 8355 YEAR 1973 BOTOP 02763 AIR TEMP 09.5 DIR MGT PEK WIND-DIR 28 INST STD RECORDER TEN 50 1306  
 CONSEC 0223 MONTH 06 SHIP EV WET BULB 05.5 DO D X WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 17.6N DAY 29 DATA USE 1 BARDMETR 1027.4 SEA WIND-FOR DRURATION 2 SQUARE 48  
 LONG 148 32.8W HOUR 03.5 AREA 05 CLOUD 7/A CL/TR WEATHER X4 DRIG 011 408 1 SQUARE 48

CASRNJM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIC3	PH
	STO	00000	06.42	32.43	25.50									
03.5	OBS	00005	06.42	32.435	25.50	00.000	1473.4							
	OBS	00007	05.16	32.558	25.75		1473.4							
	STO	00010	04.51	32.56	25.77	00.024	1468.5							
	OBS	00011	04.76	32.563	25.75		1467.0							
	OBS	00019	04.31	32.651	25.91		1465.3							
	STO	00020	04.40	32.70	25.94	00.045	1465.6							
	OBS	00022	04.52	32.780	25.95		1466.4							
	OBS	00026	04.40	32.801	26.02		1466.0							
	STO	00030	04.10	32.83	26.07	00.065	1464.9							
	OBS	00030	04.03	32.326	26.08		1464.6							
	OBS	00034	03.56	32.607	26.11		1462.6							
	OBS	00038	04.65	32.756	26.18		1458.9							
	OBS	00041	02.43	33.046	26.40		1456.2							
	OBS	00045	02.84	33.150	26.45		1460.2							
	OBS	00049	02.30	33.196	26.53		1457.9							
	STO	00050	02.02	33.20	26.55	00.100	1456.7							
	OBS	00053	00.55	33.256	26.69		1450.4							
	OBS	00057	- 0.24	33.440	26.88		1447.0							
	OBS	00060	- 0.61	33.475	26.93		1445.4							
	OBS	00064	- 0.69	33.522	26.97		1445.1							
	STO	00075	- 0.48	33.64	27.06	00.131	1446.4							
	OBS	00076	- 0.46	33.655	27.06		1446.6							
	OBS	00095	- 0.06	33.785	27.15		1448.9							
	OBS	00099	00.25	33.880	27.21		1450.5							
	STO	00100	00.28	33.88	27.21	00.155	1450.7							
	OBS	00102	00.57	33.885	27.21		1451.1							
	OBS	00121	01.05	34.012	27.27		1454.7							
	STO	00125	01.04	34.00	27.26	00.176	1454.7							
	OBS	00125	01.04	34.000	27.26		1454.7							
	OBS	00144	01.30	34.150	27.36		1456.4							
	OBS	00148	01.46	34.215	27.41		1457.2							
	STO	00150	01.56	34.22	27.40	00.155	1457.7							
	OBS	00152	01.70	34.225	27.40		1458.4							
	OBS	00175	02.06	34.366	27.48		1460.5							
	OBS	00182	02.51	34.406	27.48		1462.7							
	STO	00200	02.74	34.52	27.54	00.226	1464.1							
	OBS	00201	02.76	34.527	27.55		1464.3							
	OBS	00205	02.65	34.500	27.54		1463.9							
	OBS	00213	02.73	34.576	27.55		1464.4							
	OBS	00220	02.53	34.695	27.59		1468.1							
	OBS	00232	02.77	34.570	27.58		1464.9							
	OBS	00236	02.76	34.560	27.57		1465.0							
	OBS	00239	03.14	34.627	27.60		1466.6							
	STO	00250	03.66	34.73	27.61	00.253	1470.0							
	OBS	00258	04.08	34.754	27.60		1471.1							
	OBS	00266	03.96	34.720	27.55		1470.7							
	OBS	00277	04.10	34.750	27.60		1471.5							
	OBS	00285	04.05	34.768	27.62		1471.5							
	OBS	00293	03.66	34.707	27.61		1469.9							
	STO	00300	03.64	34.71	27.62	00.278	1465.9							
	OBS	00300	03.64	34.715	27.62		1469.9							
	OBS	00353	03.44	34.700	27.63		1465.9							
	STO	00400	03.83	34.85	27.70	00.326	1472.5							
	OBS	00403	03.86	34.850	27.70		1472.7							
	OBS	00441	04.11	34.853	27.68		1474.4							
	OBS	00453	04.01	34.850	27.69		1474.2							
	STO	00500	04.21	34.90	27.71	00.370	1475.8							
	OBS	00502	04.21	34.900	27.71		1475.9							
	OBS	00552	04.11	34.505	27.72		1476.3							
	STO	00600	04.07	34.51	27.73	00.415	1476.9							
	OBS	00601	04.07	34.510	27.73		1477.0							
	OBS	00651	04.03	34.520	27.74		1477.6							
	STO	00700	04.02	34.50	27.72	00.455	1478.4							
	OBS	00700	04.02	34.508	27.72		1478.4							
	OBS	00750	03.57	34.510	27.74		1479.0							
	STO	00800	03.50	34.91	27.75	00.503	1479.6							
	OBS	00803	03.50	34.910	27.75		1475.6							
	OBS	00852	03.85	34.515	27.76		1480.2							
	STO	00900	03.81	34.52	27.76	00.546	1483.8							
	OBS	00902	03.81	34.917	27.76		1480.9							
	OBS	00951	03.79	34.920	27.77		1481.6							
	STO	01000	03.73	34.91	27.77	00.585	1482.2							
	OBS	01001	03.73	34.513	27.77		1482.2							
	STO	01100	03.72	34.91	27.77	00.633	1483.8							
	OBS	01100	03.72	34.515	27.77		1483.8							
	OBS	01195	03.70	34.517	27.77		1485.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 01 0055	YEAR 1973	8070P 01886	AIR TEMP 10.5	OIR HGT PER	#INO-OIR 25	INST STO RECORDER	TEN SQ 1506
CONSEL 0224	MONTH 06	SHIP EV	NET BULB 10.5	00 0 X	WIND-SPD 11	TRACE OIR 0	5 SQUARE 2
LAT 44 10.9N	DAY 29	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 45 W	MOJY 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG_011 409	1 SQUARE 48

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTM	SNO VEL	OKYG	PO4	TOT P	MO2	NO3	SIO3	PH
05.8	STO	00000	04.20	32.75	25.38	00.000	1484.6							
	085	00003	09.20	32.760	25.38		1484.7							
	085	00007	08.05	32.487	25.31		1480.1							
	STO	00010	05.54	34.40	25.53	00.025	1471.6							
	085	00011	04.59	32.355	25.60		1467.6							
	085	00015	03.54	32.670	26.00		1462.0							
	085	00015	03.10	32.627	26.17		1460.4							
	STO	00020	03.20	32.84	26.16	00.047	1461.2							
	085	00022	03.50	32.878	26.17		1462.2							
	085	00026	03.12	32.857	26.22		1460.7							
	STO	00030	02.65	32.55	26.30	00.065	1458.8							
	085	00030	02.50	32.561	26.32		1458.4							
	085	00034	01.73	33.135	26.52		1455.1							
	085	00034	02.95	32.242	26.66		1452.0							
	085	00045	03.68	33.258	26.79		1451.8							
	085	00045	02.51	33.405	26.83		1449.3							
	STO	00050	00.30	33.43	26.85	00.094	1449.6							
	085	00053	02.53	33.554	26.53		1450.6							
	085	00060	02.07	33.530	26.54		1448.6							
	085	00064	- 0.00	33.580	26.58		1448.2							
	085	00068	02.30	33.765	27.13		1450.1							
	085	00072	00.77	33.795	27.11		1452.3							
	STO	00075	00.61	33.78	27.11	00.122	1451.6							
	085	00076	00.56	33.780	27.11		1451.4							
	STO	00100	00.75	33.99	27.27	00.144	1452.9							
	085	00102	00.79	34.014	27.29		1453.2							
	STO	00125	01.27	34.14	27.36	00.163	1455.9							
	085	00125	01.29	34.147	27.36		1456.0							
	085	00144	01.51	34.516	27.45		1459.3							
	STO	00150	02.06	34.35	27.47	00.180	1460.1							
	085	00152	02.14	34.358	27.47		1460.4							
	085	00171	02.33	34.440	27.52		1461.8							
	085	00175	02.80	34.55 P	27.600									
	085	00178	03.17	34.575	27.55 *		1465.7							
	STO	00200	03.50	34.57	27.52 *	00.211	1467.5							
	085	00201	03.52	34.573	27.52		1467.6							
	085	00228	03.66	34.700	27.60		1468.8							
	STO	00250	03.40	34.70	27.62	00.238	1468.3							
	085	00251	03.40	34.700	27.62		1468.3							
	085	00277	03.73	34.750	27.62		1465.9							
	085	00281	03.75	34.775	27.65		1470.1							
	085	00285	04.11	34.655	27.68		1471.8							
	STO	00300	04.14	34.84	27.67	00.262	1472.2							
	085	00300	04.14	34.840	27.67		1472.2							
	085	00314	03.62	34.71 P	27.620*									
	085	00350	03.70	34.623	27.70		1471.1							
	085	00354	04.02	34.680	27.71		1472.2							
	STO	00400	04.32	34.52	27.71	00.307	1474.7							
	085	00403	04.43	34.530	27.71		1475.2							
	085	00453	04.43	34.525	27.70		1476.0							
	STO	00500	04.44	34.52	27.69	00.352	1476.8							
	085	00502	04.44	34.515	27.65		1476.5							
	085	00552	04.53	34.513	27.70		1477.2							
	STO	00600	04.21	34.53	27.73	00.357	1477.6							
	085	00601	04.21	34.530	27.73		1477.6							
	085	00651	04.05	34.910	27.73		1477.7							
	STO	00700	04.10	34.52	27.74	00.441	1478.7							
	085	00700	04.10	34.522	27.74		1478.7							
	085	00750	03.95	34.522	27.75		1478.5							
	STO	00800	03.89	34.51	27.75	00.485	1475.5							
	085	00800	03.89	34.510	27.75		1479.6							
	085	00852	03.85	34.527	27.77		1480.2							
	STO	00900	03.80	34.52	27.76	00.528	1480.5							
	085	00900	03.80	34.52	27.76		1480.5							
	085	00932	03.83	34.515	27.76		1481.0							
	085	00951	03.83	34.518	27.76		1481.8							
	STO	01000	03.76	34.52	27.77	00.571	1482.3							
	085	01001	03.76	34.520	27.77		1482.3							
	STO	01100	03.74	34.51	27.76	00.615	1483.5							
	085	01100	03.74	34.510	27.76		1483.5							
	085	01199	03.75	34.525	27.77		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N D A T A

REFID 21 8355 YEAR 1973 BOTOP AIR TEMP 10.8 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 536  
 COYSEC 3223 MONTH 36 SWIP EV WET BULB 10.8 00 0 A WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 44 15.9N DAY 29 DATA USE 1 BAROMETR 1027.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 143 56.3W MOJA 37.9 AREA 35 CLOUD TJA CL7TR WEATHER X4 DRID 011 410 1 SQUARE 46

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DTNOPTH	SND VEL	DAYD	P24	TOT P <sub>2</sub>	MO2	MO3	SIO3	PH
07.5	STD	00300	07.74	32.20	25.14		1478.3							
	085	00003	07.74	32.201	25.14	00.000	1478.3							
	085	00007	05.00	32.306	25.56		1467.9							
	STD	00013	04.22	32.44	25.76	00.025	1464.5							
	085	00011	03.83	32.487	25.83		1462.9							
	085	00015	05.22	32.459	25.86		1460.4							
	085	00019	01.11	32.643	24.17		1451.4							
	STD	00020	00.89	32.70	20.22	00.046	1453.5							
	085	00022	00.47	32.754	24.33		1448.8							
	085	00026	00.41	32.801	20.33		1440.6							
	STD	00030	00.17	32.80	24.37	00.063	1447.6							
	085	00030	00.11	32.843	24.38		1447.3							
	085	00034	- 0.59	33.009	26.55		1444.4							
	STD	00050	- 0.97	33.07	26.61	00.054	1442.9							
	085	00053	- 1.03	33.080	26.62		1442.7							
	STD	00075	- 1.28	33.11	26.65	00.129	1441.9							
	085	00076	- 1.29	33.109	26.65		1441.9							
	STD	00100	- 1.42	33.14	26.68	00.164	1441.7							
	085	00102	- 1.45	33.147	26.69		1441.8							
	STD	00125	- 1.41	33.19	26.72	00.197	1442.3							
	085	00125	- 1.41	33.192	26.72		1442.3							
	STD	00150	- 1.11	33.31	26.81	00.229	1444.3							
	085	00152	- 1.07	33.327	26.82		1444.5							
	085	00175	- 0.64	33.647	27.06		1447.3							
	STD	00200	- 0.22	33.79	27.17	00.283	1445.9							
	085	00201	- 0.15	33.802	27.17		1450.1							
	085	00228	00.28	33.878	27.21		1452.8							
	085	00232	00.26	33.875	27.21		1452.7							
	STD	00250	00.90	34.09	27.35	00.324	1456.2							
	085	00251	00.94	34.106	27.35		1456.5							
	085	00277	01.60	34.223	27.40		1460.0							
	085	00281	01.65	34.282	27.45		1463.4							
	085	00285	01.99	34.359	27.48		1462.0							
	085	00285	02.03	34.362	27.48		1462.3							
	STD	00300	02.39	34.43	27.51	00.358	1464.1							
	085	00356	03.60	34.710	27.62		1470.6							
	STD	00400	03.75	34.82	27.69	00.411	1472.1							
	085	00400	03.75	34.820	27.69		1472.1							
	085	00450	04.43	34.520	27.70		1476.0							
	STD	00500	04.43	34.52	27.70	00.456	1476.8							
	085	00500	04.43	34.520	27.70		1476.8							
	085	00550	04.38	34.920	27.70		1477.4							
	STD	00600	04.30	34.52	27.71	00.502	1477.9							
	085	00600	04.30	34.920	27.71		1477.9							
	085	00600	04.10	34.910	27.73		1477.9							
	STD	00700	04.07	34.92	27.74	00.546	1473.6							
	085	00700	04.07	34.520	27.74		1478.6							
	085	00750	04.05	34.320	27.74		1475.3							
	STD	00800	03.93	34.51	27.74	00.590	1475.7							
	085	00800	03.93	34.510	27.74		1475.7							
	085	00850	03.87	34.520	27.76		1480.3							
	STD	00900	03.83	34.52	27.76	00.633	1480.9							
	085	00900	03.63	34.520	27.76		1480.9							
	085	00950	03.63	34.520	27.76		1481.8							
	STD	01000	03.75	34.52	27.77	00.676	1482.4							
	085	01000	03.79	34.520	27.77		1482.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP SHIP EV AIR TEMP 11.5 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306  
CONSEC 0220 MONTH 06 SHIP EV WET BULB 11.5 DIR HGT PER WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
LAT 44 13.7N DAY 29 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 12 W HOUR 05.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 411 1 SQUARE 49

CASSTN/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	SI03	PH
09.3	STO	00000	07.85	32.42	25.30	00.000								1475.0
	OBS	00003	07.85	32.423	25.30									1475.1
	OBS	00007	07.21	32.470	25.42									1476.7
	STO	00010	06.04	32.47	25.57	00.026								1472.0
	OBS	00011	05.38	32.466	25.65									1465.4
	OBS	00015	03.69	32.564	25.90									1462.5
	OBS	00019	03.16	32.633	26.01									1460.4
	STO	00020	03.12	32.63	26.01	00.046								1460.2
	OBS	00022	03.00	32.630	26.02									1459.8
	OBS	00026	01.35	32.758	26.25									1452.7
	STO	00030	00.26	32.89	26.42	00.066								1448.0
	OBS	00033	00.15	32.908	26.43									1447.6
	OBS	00034	- 0.20	32.980	26.51									1446.1
	OBS	00041	- 0.20	32.980	26.51									1445.9
	OBS	00045	- 0.20	32.989	26.52									1446.0
	STO	00050	- 0.28	33.00	26.53	00.097								1446.0
	OBS	00053	- 0.28	33.000	26.53									1446.0
	STO	00075	- 0.84	33.10	26.63	00.134								1446.0
	OBS	00075	- 0.84	33.100	26.63									1446.0
	STO	00100	- 1.10	33.15	26.68	00.169								1443.3
	OBS	00100	- 1.10	33.150	26.68									1443.3
	STO	00125	- 1.20	33.20	26.72	00.202								1443.3
	OBS	00125	- 1.20	33.200	26.72									1443.3
	STO	00150	- 1.20	33.25	26.76	00.235								1443.8
	OBS	00150	- 1.20	33.250	26.76									1443.8
	OBS	00175	- 1.10	33.330	26.62									1444.8
	STO	00200	- 1.00	33.40	26.68	00.290								1445.7
	OBS	00200	- 1.00	33.400	26.68									1445.7
	OBS	00225	- 0.50	33.670	27.06									1446.9
	STO	00250	00.00	33.80	27.16	00.348								1451.8
	OBS	00250	00.00	33.800	27.16									1451.6
	OBS	00275	00.76	34.100	27.36									1456.0
	STO	00300	01.46	34.22	27.41	00.388								1455.6
	OBS	00300	01.46	34.220	27.41									1454.6
	OBS	00350	00.36	34.700	27.63									1469.8
	STO	00400	00.75	34.81	27.69	00.445								1472.1
	OBS	00400	00.75	34.810	27.69									1472.1
	OBS	00450	04.43	34.950	27.70									1476.0
	STO	00500	04.43	34.92	27.70	00.450								1476.8
	OBS	00500	04.43	34.920	27.70									1476.8
	OBS	00550	04.38	34.920	27.70									1477.4
	STO	00600	04.30	34.92	27.71	00.536								1477.5
	OBS	00600	04.30	34.920	27.71									1477.5
	OBS	00650	04.10	34.910	27.73									1477.9
	STO	00700	04.07	34.92	27.74	00.581								1478.6
	OBS	00700	04.07	34.920	27.74									1478.6
	OBS	00750	04.05	34.920	27.74									1479.3
	STO	00800	03.93	34.91	27.74	00.625								1479.7
	OBS	00800	03.93	34.910	27.74									1479.7
	OBS	00850	03.87	34.920	27.76									1480.3
	STO	00900	03.83	34.92	27.76	00.668								1480.5
	OBS	00900	03.83	34.920	27.76									1480.5
	OBS	00950	03.83	34.920	27.76									1481.8
	STO	01000	03.79	34.92	27.77	00.711								1482.4
	OBS	01000	03.79	34.920	27.77									1482.4

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REFID 31 8355 YEAR 1973 BOTOP 00137 AIR TEMP 11.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306  
CONSEC 0227 MONTH 06 SHIP EV WET BULB 11.8 DIR HGT PER WIND-SPO 11 TRACE DIR 0 5 SQUARE 2  
LAT 44 06 N DAY 29 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 13.5W HOUR 11.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 412 1 SQUARE 49

LASTN/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	SI03	PH
11.3	STO	00000	06.01	31.20	25.10	00.000								1479.4
	OBS	00003	06.02	32.200	25.10									1475.4
	OBS	00007	04.07	31.439	25.71									1466.4
	STO	00010	03.51	32.54	25.86	00.025								1463.3
	OBS	00011	03.40	32.550	25.95									1461.5
	OBS	00019	00.69	32.765	26.28									1450.6
	STO	00020	00.71	31.61	26.32	00.044								1449.8
	OBS	00022	00.29	32.858	26.42									1448.1
	STO	00030	- 0.11	32.96	26.49	00.061								1446.5
	OBS	00030	- 0.13	31.967	26.49									1446.4
	STO	00050	- 0.62	33.03	26.56	00.091								1444.5
	OBS	00050	- 0.63	33.039	26.56									1444.3
	STO	00075	- 0.94	33.11	26.64	00.127								1443.5
	OBS	00076	- 0.97	33.114	26.65									1443.4
	STO	00100	- 1.19	33.12	26.66	00.162								1442.3
	OBS	00102	- 1.32	33.130	26.67									1442.3
	OBS	00114	- 1.40	33.150	26.72									1442.1
	STO	00125	- 0.97	33.32	26.81	00.194								1444.5
	OBS	00125	- 0.95	33.327	26.82									1444.6
	STO	00150	- 0.63	33.45	26.90	00.224								1446.7
	OBS	00152	- 0.60	33.459	26.91									1446.9
	OBS	00175	- 0.29	33.560	26.98									1448.8
	STO	00200	00.47	33.81	27.14	00.276								1453.1
	OBS	00201	00.48	33.811	27.14									1453.2
	OBS	00235	00.48	33.811	27.14									1453.2

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP J3544 AIR TEMP 10.4 OIR MGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1506  
CONSEC J228 MONTH 06 SHIP EV WET BULB 10.4 00 0 A WIND-SPD 13 TRACE OIR D 5 SQUARE 2  
LAT 44 24.84 DAY 25 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 74 57.94 HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 413 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	ORYG	PJ4	TOT P	NO2	NO3	S103	PH
12.0	STD	00000	06.43	32.30	25.35	00.030	1471.2							
	OBS	00003	06.43	32.297	25.39		1473.3							
	OBS	00007	06.31	32.440	25.72		1465.7							
	STD	00010	06.07	32.48	25.80	00.024	1463.9							
	OBS	00011	03.84	32.453	25.83		1461.0							
	OBS	00015	03.32	32.479	25.67		1460.8							
	OBS	00019	02.58	32.524	25.97		1457.7							
	STD	00020	02.55	32.53	25.99	00.045	1457.6							
	OBS	00022	02.18	32.602	26.06		1456.1							
	OBS	00026	01.01	32.671	26.23		1451.1							
	STD	00030	00.51	32.83	26.35	00.064	1449.1							
	OBS	00030	00.45	32.844	26.37		1448.9							
	OBS	00034	00.09	32.910	26.44		1447.4							
	OBS	00041	- 0.24	32.937	26.48		1446.0							
	OBS	00049	- 1.04	32.973	26.53		1442.5							
	STD	00050	- 1.06	32.97	26.54	00.096	1442.4							
	OBS	00053	- 1.17	32.976	26.54		1441.9							
	STD	00075	- 1.55	33.10	26.65	00.132	1440.5							
	OBS	00076	- 1.63	33.100	26.65		1440.4							
	OBS	00075	- 1.63	33.112	26.66		1440.4							
	STD	00100	- 1.58	33.16	26.70	00.166	1441.0							
	OBS	00102	- 1.57	33.170	26.71		1441.1							
	STD	00125	- 1.41	33.21	26.74	00.195	1442.3							
	OBS	00125	- 1.41	33.214	26.74		1442.3							
	STD	00150	- 1.21	33.31	26.82	00.231	1443.8							
	OBS	00152	- 1.15	33.325	26.82		1444.0							
	OBS	00175	- 1.01	33.429	26.90		1443.3							
	STD	00200	- 0.75	33.52	26.97	00.285	1447.1							
	OBS	00201	- 0.72	33.533	26.98		1447.3							
	OBS	00228	- 0.23	33.673	27.07		1450.2							
	STD	00250	00.10	33.83	27.17	00.338	1452.2							
	OBS	00251	00.13	33.837	27.18		1452.4							
	OBS	00277	01.10	34.145	27.37		1457.7							
	STD	00300	01.44	34.22	27.41	00.378	1459.6							
	OBS	00300	01.45	34.223	27.41		1459.7							
	OBS	00350	02.61	34.510	27.55		1460.0							
	OBS	00354	02.94	34.565	27.57		1467.6							
	STD	00400	03.75	34.71	27.60	00.439	1472.0							
	OBS	00403	03.80	34.720	27.61		1472.3							
	OBS	00453	04.19	34.850	27.67		1474.9							
	STD	00500	04.11	34.84	27.67	00.490	1475.4							
	OBS	00502	04.11	34.843	27.67		1475.4							
	OBS	00552	04.04	34.855	27.65		1475.5							
	STD	00600	04.06	34.90	27.72	00.516	1476.9							
	OBS	00601	04.06	34.858	27.72		1476.9							
	OBS	00651	04.08	34.907	27.73		1477.8							
	STD	00700	04.05	34.91	27.73	00.580	1478.5							
	OBS	00700	04.05	34.912	27.73		1478.5							
	OBS	00750	04.03	34.907	27.73		1475.2							
	STD	00800	04.03	34.91	27.73	00.625	1480.1							
	OBS	00803	04.03	34.905	27.73		1480.1							
	OBS	00852	04.02	34.913	27.74		1480.5							
	STD	00900	04.01	34.92	27.74	00.670	1481.7							
	OBS	00902	04.01	34.915	27.74		1481.7							
	OBS	00925	04.02	34.918	27.74		1482.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOCC STATION DATA

REFID 31 5353 YEAR 1973 BOTCP 01029 AIR TEMP 10.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SW 1306  
 CGNSEC 02.9 MOYTH 06 SHIF EV WET 8ULb 10.8 00 U X WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 44 33.7N DAY 29 DATA USE 1 BAROMETR 1029.3 SEA CL/7R WIND-FDR ORURATION 2 SQUARE 48  
 LONG 048 45 W HOUR 14.3 AREA 05 CLOUD T/A WEATHER A4 WIND-ORIG 011 414 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOP7M	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
14.3	STO	00000	07.94	32.43	25.29	00.000	1475.3							
	085	00005	07.94	32.430	25.29		1475.4							
	STO	00010	07.71	32.43	25.32	00.027	1478.6							
	085	00011	07.69	32.430	25.32		1478.6							
	085	00015	07.68	32.430	25.33		1478.6							
	085	00019	06.23	32.300	25.42		1472.7							
	STO	00020	05.95	32.33	25.47	00.055	1471.7							
	085	00021	05.06	32.400	25.63		1466.2							
	085	00026	03.62	32.490	25.65		1462.3							
	STO	00030	02.77	32.50	25.94	00.076	1458.7							
	085	00030	02.65	32.510	25.95		1456.2							
	085	00034	01.39	32.660	26.16		1452.9							
	085	00038	00.76	32.730	26.26		1450.2							
	085	00041	00.44	32.750	26.29		1448.9							
	085	00045	- 0.45	32.850	26.40		1445.0							
	085	00049	- 1.05	32.960	26.52		1442.4							
	STO	00050	- 1.08	32.96	26.53	00.112	1442.3							
	085	00053	- 1.24	32.980	26.55		1441.6							
	085	00068	- 1.53	33.120	26.67		1440.7							
	STO	00075	- 1.52	33.12	26.67	00.146	1440.8							
	085	00076	- 1.52	33.120	26.67		1440.9							
	STO	00100	- 1.46	33.16	26.71	00.182	1441.6							
	085	00102	- 1.45	33.180	26.71		1441.7							
	STO	00125	- 1.31	33.19	26.72	00.215	1442.7							
	085	00125	- 1.31	33.190	26.72		1442.8							
	STO	00150	- 1.10	33.31	26.81	00.247	1444.3							
	085	00152	- 1.08	33.330	26.82		1444.5							
	085	00175	- 0.89	33.530	26.98		1446.0							
	STO	00200	- 0.19	33.80	27.17	00.300	1450.1							
	085	00201	- 0.13	33.820	27.18		1450.4							
	085	00228	00.87	34.010	27.28		1455.6							
	STO	00250	01.57	34.21	27.39	00.340	1459.4							
	085	00251	01.60	34.220	27.40		1459.6							
	085	00278	01.95	34.360	27.48		1461.5							
	STO	00300	02.66	34.55	27.61	00.371	1465.5							
	085	00300	02.73	34.600	27.61		1465.9							
	085	00304	03.11	34.640	27.61		1467.6							
	085	00316	03.45	34.670	27.60		1469.3							
	085	00319	03.45	34.680	27.61		1469.4							
	085	00350	04.10	34.820	27.65		1472.8							
	085	00354	04.07	34.820	27.66		1472.7							
	085	00357	03.81	34.800	27.67		1471.7							
	085	00377	04.13	34.850	27.66		1473.4							
	STO	00400	03.95	34.84	27.69	00.419	1475.0							
	085	00403	03.93	34.840	27.69		1473.3							
	085	00453	04.07	34.840	27.67		1474.4							
	STO	00500	04.03	34.85	27.68	00.465	1475.0							
	085	00502	04.03	34.850	27.69		1475.1							
	085	00552	04.08	34.900	27.72		1476.2							
	STO	00600	04.04	34.85	27.72	00.514	1476.8							
	085	00601	04.04	34.890	27.72		1476.8							
	085	00651	04.04	34.900	27.72		1477.6							
	STO	00700	04.02	34.94	27.73	00.555	1478.4							
	085	00700	04.02	34.910	27.73		1476.4							
	085	00750	04.00	34.910	27.74		1475.1							
	STO	00800	03.95	34.91	27.74	00.595	1475.8							
	085	00805	03.95	34.910	27.74		1475.6							
	085	00852	03.96	34.920	27.75		1460.7							
	STO	00900	03.86	34.91	27.75	00.643	1481.0							
	085	00902	03.86	34.910	27.75		1481.1							
	085	00951	03.84	34.920	27.76		1481.8							
	STO	01000	03.83	34.91	27.75	00.687	1482.6							
	085	01001	03.83	34.910	27.75		1482.6							
	STO	01100	03.77	34.91	27.76	00.732	1484.0							
	085	01100	03.77	34.910	27.76		1484.0							
	STO	01200	03.76	34.92	27.77	00.776	1485.6							
	085	01205	03.76	34.920	27.77		1485.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8355 YEAR 1973 BOTOP 02535 AIR TEMP 11.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306  
 CONSEC 0230 MONTH 06 SHIP EV WET BULB 10.8 UO O X WIND-SPO 13 TRACE DIR O 5 SQUARE 2  
 LAT 44 03 N DAY 26 DATA USE 1 BAROMETR 1028.7 SEA WIND-FOR DURATION WIND-FOR 2 SQUARE 48  
 LONG 048 35.50 HOUR 16.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 415 1 SQUARE 48

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
16.5	STO	00300	07.40	32.42	25.35	00.000	1477.2							
	OBS	00303	07.40	32.417	25.35		1477.3							
	OBS	00307	05.72	32.356	25.52		1470.6							
	STO	00010	05.06	32.47	25.65	00.025	1466.1							
	OBS	00011	04.79	32.445	25.70		1466.5							
	OBS	00015	04.27	32.463	25.77		1464.8							
	OBS	00019	04.06	32.513	25.63		1464.1							
	STO	00020	03.80	32.45	25.64	00.048	1463.1							
	OBS	00022	03.27	32.484	25.88		1460.7							
	OBS	00026	02.71	32.562	25.55		1456.5							
	STO	00030	02.41	32.62	26.06	00.068	1457.3							
	OBS	00030	02.35	32.532	26.07		1457.1							
	OBS	00034	01.85	32.710	26.17		1455.0							
	OBS	00038	01.62	32.727	26.20		1454.1							
	OBS	00041	00.65	32.765	26.30		1445.8							
	OBS	00045	- 0.07	32.877	26.42		1446.8							
	STO	00050	- 0.65	32.94	26.45	00.103	1444.2							
	OBS	00053	- 1.01	32.980	26.54		1442.7							
	OBS	00072	- 1.45	33.183	26.72		1441.0							
	STO	00076	- 1.46	33.15	26.72	00.135	1441.2							
	OBS	00076	- 1.45	33.152	26.72		1441.3							
	STO	00100	- 1.05	33.31	26.81	00.171	1443.7							
	OBS	00102	- 1.02	33.330	26.82		1443.9							
	STO	00115	- 0.57	33.50	26.96	00.201	1444.8							
	OBS	00125	- 0.56	33.505	26.96		1444.8							
	OBS	00140	- 0.71	33.643	27.06		1446.5							
	STO	00150	- 0.45	33.67	27.07	00.227	1447.8							
	OBS	00152	- 0.36	33.676	27.08		1446.2							
	OBS	00175	00.42	33.502	27.22		1452.8							
	OBS	00182	00.78	34.030	27.28		1454.5							
	STO	00200	00.99	34.12	27.36	00.270	1455.9							
	OBS	00201	01.06	34.145	27.38		1456.2							
	OBS	00205	01.23	34.197	27.41		1457.1							
	OBS	00217	01.20	34.360	27.47		1461.8							
	OBS	00224	02.59	34.453	27.50		1465.6							
	OBS	00232	03.48	34.562	27.51		1467.9							
	OBS	00247	05.40	34.555	27.51		1467.8							
	STO	00250	02.85	34.50	27.52	00.303	1465.5							
	OBS	00251	02.66	34.470	27.51		1464.4							
	OBS	00270	02.64	34.457	27.54		1464.8							
	OBS	00281	03.14	34.560	27.54		1467.2							
	STO	00300	03.54	34.68	27.60	00.331	1465.4							
	OBS	00300	03.55	34.685	27.60		1465.5							
	OBS	00335	03.25	34.665	27.61		1468.9							
	OBS	00346	03.55	34.696	27.61		1470.2							
	OBS	00350	03.61	34.700	27.61		1470.6							
	STO	00400	03.72	34.80	27.67	00.380	1472.0							
	OBS	00403	03.73	34.800	27.68		1472.1							
	OBS	00453	03.64	34.832	27.69		1473.4							
	STO	00500	03.83	34.83	27.69	00.426	1474.2							
	OBS	00506	03.83	34.830	27.69		1474.3							
	OBS	00552	04.06	34.900	27.72		1476.1							
	STO	00600	04.01	34.90	27.73	00.474	1476.7							
	OBS	00601	04.01	34.905	27.73		1476.7							
	STO	00650	03.55	34.91	27.74	00.514	1476.1							
	OBS	00700	03.55	34.910	27.74		1478.1							
	OBS	00750	03.53	34.914	27.75		1478.8							
	STO	00800	03.88	34.91	27.75	00.557	1475.5							
	OBS	00803	03.88	34.912	27.75		1475.5							
	OBS	00852	04.03	34.904	27.73		1481.0							
	STO	00900	03.96	34.91	27.74	00.601	1481.5							
	OBS	00902	03.96	34.910	27.74		1481.5							
	OBS	00955	03.82	34.915	27.76		1481.8							
	STO	01000	03.77	34.89	27.74	00.646	1482.3							
	OBS	01001	03.77	34.890	27.74		1482.3							
	STO	01100	03.54	34.90	27.73	00.693	1484.7							
	OBS	01100	03.54	34.900	27.73		1484.7							
	STO	01201	03.80	34.90	27.75	00.740	1485.8							
	OBS	01203	03.80	34.902	27.75		1485.8							
	OBS	01256	03.78	34.911	27.76		1486.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 0555 YEAR 1973 BOTOP 02955 AIR TEMP 11.2 DIR NGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1306  
 CCNSEC 0231 MONTH 06 SHIP EV WET BULB 11.2 DO O A WIND-SPO 1+ TRACE DIR 0 5 SQUARE 2  
 LAT 44 03.2N DAY 29 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 20.8E HOUR 16.3 AREA USE 05 CLOUD T/A CL/7R WEATHER X4 DRIG 011 416 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SHD VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
18.3	STD	00000	06.82	32.26	25.31	00.000	1474.7							
	06S	00005	06.82	32.260	25.31		1474.8							
	06S	00037	04.50	32.460	25.74		1465.7							
	STD	00010	04.25	32.46	25.77	00.025	1464.7							
	08S	00011	04.07	32.460	25.78		1463.9							
	08S	00015	03.44	32.520	25.89		1461.4							
	STD	00020	03.20	32.56	25.97	00.046	1460.0							
	08S	00022	03.05	32.610	26.00		1460.0							
	08S	00026	02.84	32.650	26.03		1455.1							
	STD	00030	02.57	32.61	26.05	00.066	1457.1							
	08S	00030	02.29	32.610	26.06		1456.8							
	08S	00034	01.86	32.630	26.12		1454.1							
	08S	00038	00.69	32.720	26.25		1445.9							
	06S	00045	- 0.66	32.910	26.47		1444.1							
	06S	00049	- 0.97	32.980	26.54		1442.8							
	STD	00050	- 0.98	32.98	26.54	00.101	1442.8							
	06S	00053	- 1.03	33.010	26.56		1442.6							
	06S	00068	- 1.38	33.190	26.72		1441.5							
	STD	00075	- 1.28	33.28	26.79	00.135	1442.2							
	08S	00076	- 1.26	33.290	26.80		1442.3							
	STD	00100	- 1.07	33.46	26.93	00.165	1443.8							
	08S	00102	- 1.04	33.470	26.94		1444.0							
	STD	00125	- 0.68	33.53	26.97	00.193	1446.2							
	08S	00125	- 0.67	33.530	26.97		1446.2							
	06S	00144	- 0.42	33.677	27.08		1447.9							
	STD	00150	- 0.20	33.76	27.13	00.216	1449.1							
	06S	00152	- 0.11	33.787	27.15		1445.6							
	08S	00175	00.33	33.880	27.21		1452.1							
	06S	00182	00.53	33.957	27.26		1453.3							
	08S	00190	01.09	34.020	27.27		1456.0							
	STD	00200	01.34	34.11	27.33	00.261	1457.4							
	08S	00231	01.39	34.127	27.34		1457.7							
	08S	00224	01.90	34.225	27.38		1460.5							
	08S	00232	02.16	34.223	27.39		1461.7							
	STD	00250	02.11	34.33	27.45	00.296	1462.0							
	08S	00251	02.11	34.340	27.46		1462.0							
	08S	00277	02.20	34.367	27.47		1462.8							
	STD	00300	02.50	34.48	27.54	00.327	1464.7							
	08S	00300	02.51	34.485	27.54		1464.7							
	08S	00346	03.34	34.660	27.60		1469.3							
	08S	00350	03.75	34.715	27.61		1471.2							
	STD	00400	03.85	34.80	27.67	00.379	1472.6							
	08S	00435	03.87	34.810	27.67		1472.7							
	08S	00437	04.07	34.862	27.69		1474.2							
	08S	00445	04.35	34.920	27.70		1475.7							
	08S	00453	04.42	34.855	27.68		1475.9							
	STD	00500	04.42	34.91	27.69	00.426	1476.7							
	08S	00532	04.42	34.912	27.69		1476.8							
	08S	00552	04.28	34.857	27.70		1477.0							
	STD	00630	04.20	34.90	27.71	00.472	1477.5							
	08S	00631	04.20	34.900	27.71		1477.5							
	08S	00643	04.32	34.907	27.70		1478.7							
	08S	00651	04.40	34.920	27.70		1475.2							
	STD	00700	04.46	34.92	27.70	00.519	1480.2							
	08S	00700	04.46	34.925	27.70		1480.2							
	08S	00750	04.33	34.915	27.70		1480.5							
	STD	00830	04.25	34.90	27.70	00.567	1481.0							
	08S	00835	04.24	34.932	27.70		1481.0							
	08S	00852	04.11	34.902	27.72		1481.3							
	STD	00930	04.04	34.90	27.72	00.614	1481.8							
	06S	00901	04.04	34.900	27.71		1481.8							
	06S	00951	03.98	34.912	27.74		1482.4							
	STD	01000	03.80	34.92	27.76	00.659	1482.5							
	08S	01001	03.80	34.918	27.76		1482.5							
	STD	01100	03.64	34.91	27.75	00.704	1484.3							
	08S	01100	03.84	34.910	27.75		1484.3							
	08S	01159	03.78	34.906	27.76		1485.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D D C S T A T I O N O A T A

REFID 51 8355 YEAR 1973 BDTP0 02573 AIR TEMP 11.0 OIR HGT PER WIND-DIR 26 INST STO RECORDER TEN SQ 1506  
 CONSEC 0432 MONTH 06 SHIP EV WET BULB 11.0 00 0 X WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT +4 04.4N DAY 29 DATA USE 1 BARDMETR 1027.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 06.2W HOUR 20.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG 011 417 1 SQUARE 46

CASTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PC4	TDT P	NO2	NO3	S103	PH
20.5	STO	00000	05.23	32.74	25.34	00.000	1484.6							
	085	00003	05.23	32.742	25.34		1484.7							
	085	00007	05.37	33.120	25.61		1485.8							
	STO	00010	05.30	33.28	25.74	00.025	1485.8							
	085	00011	05.23	33.356	25.82		1485.6							
	085	00015	08.92	33.507	25.98		1484.7							
	085	00019	10.04	33.930	26.13		1485.5							
	STO	00020	10.17	34.06	26.21	00.045	1490.1							
	085	00022	10.52	34.100	26.18		1491.5							
	085	00026	06.60	33.360	26.20		1475.7							
	STO	00030	05.25	33.62	26.56	00.061	1470.7							
	085	00030	05.13	33.640	26.61		1470.2							
	085	00034	04.79	33.600	26.61		1468.8							
	085	00038	05.20	33.675	26.86		1471.1							
	085	00041	05.81	34.138	26.92		1473.5							
	085	00045	06.09	34.180	26.92		1475.1							
	STO	00050	05.14	34.03	26.91	00.088	1471.1							
	085	00053	04.53	33.945	26.91		1468.5							
	085	00057	03.97	33.883	26.92		1466.2							
	085	00060	04.17	34.005	27.00		1467.2							
	085	00064	04.93	34.163	27.04		1470.7							
	085	00068	05.35	34.217	27.04		1472.5							
	085	00072	05.04	34.165	27.03		1471.3							
	STO	00075	05.03	34.16	27.03	00.115	1471.3							
	085	00076	05.02	34.160	27.03		1471.2							
	085	00079	04.92	34.127	27.01		1470.8							
	085	00083	05.62	34.227	27.01		1473.9							
	STO	00100	05.74	34.34	27.09	00.141	1474.8							
	085	00102	05.74	34.34	27.09		1475.0							
	085	00116	06.03	34.365	27.07		1476.3							
	085	00121	05.85	34.356	27.09		1475.8							
	STO	00125	05.87	34.36	27.05	00.166	1475.8							
	085	00125	05.88	34.365	27.05		1475.8							
	085	00125	05.94	34.466	27.16		1476.3							
	085	00133	06.32	34.574	27.20		1478.0							
	085	00144	06.45	34.570	27.18		1478.7							
	085	00148	07.13	34.707	27.19		1481.6							
	STO	00150	07.14	34.71	27.19	00.190	1481.7							
	085	00152	07.15	34.710	27.19		1481.8							
	085	00156	07.16	34.658	27.18		1481.9							
	085	00163	07.52	34.840	27.24		1483.6							
	085	00167	07.55	34.847	27.24		1483.7							
	085	00175	07.26	34.750	27.24		1482.7							
	085	00182	06.84	34.710	27.23		1481.0							
	STO	00200	06.41	34.65	27.28	00.233	1475.6							
	085	00201	06.36	34.690	27.28		1475.4							
	085	00209	06.15	34.690	27.31		1478.7							
	085	00217	05.56	34.626	27.33		1476.4							
	085	00228	05.67	34.677	27.36		1477.1							
	STO	00250	05.64	34.70	27.36	00.272	1477.3							
	085	00251	05.63	34.705	27.39		1477.5							
	085	00277	05.23	34.700	27.43		1476.1							
	085	00285	05.03	34.685	27.44		1475.4							
	STO	00300	05.13	34.71	27.45	00.308	1476.1							
	085	00300	05.14	34.710	27.45		1476.2							
	085	00350	05.31	34.848	27.54		1477.8							
	STO	00400	05.18	34.91	27.60	00.369	1476.2							
	085	00403	05.17	34.912	27.61		1476.2							
	085	00455	05.05	34.912	27.62		1478.7							
	STO	00500	04.68	34.91	27.66	00.421	1477.8							
	085	00502	04.67	34.912	27.66		1477.8							
	085	00552	04.59	34.903	27.67		1478.3							
	085	00593	04.39	34.900	27.65		1478.2							
	STO	00600	04.58	34.93	27.69	00.469	1475.1							
	085	00601	04.62	34.940	27.69		1475.3							
	STO	00700	04.75	34.95	27.69	00.516	1481.5							
	085	00700	04.75	34.950	27.69		1481.5							
	085	00727	04.54	34.930	27.69		1481.0							
	085	00750	04.57	34.940	27.70		1481.5							
	STO	00800	04.52	34.92	27.71	00.567	1481.3							
	085	00803	04.51	34.920	27.71		1481.3							
	085	00852	04.23	34.913	27.71		1481.8							
	STO	00900	04.07	34.91	27.73	00.614	1481.5							
	085	00902	04.07	34.910	27.73		1482.0							
	085	00951	04.02	34.930	27.75		1482.6							
	STO	01000	04.00	34.91	27.74	00.660	1483.3							
	085	01001	04.00	34.910	27.74		1483.3							
	STO	01100	03.62	34.93	27.76	00.706	1484.7							
	085	01100	03.62	34.930	27.76		1484.7							
	085	01195	03.78	34.906	27.76		1485.7							
	STO	01200	03.78	34.91	27.76	00.752	1485.7							
	085	01203	03.79	34.907	27.76		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

W O O C S T A T I O N O A T A

REFIC 51 8055 YEAR 1973 BOTOP 02525 AIR TEMP 11.3 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306  
 CONSEC 0233 MONTH 06 SHIP EV WET BULB 11.3 DO O X WIND-SPO 16 TRACE DIR 0 5 SQUARE 2  
 LAT 44 02.8N DAY 29 DATA USE 1 BAROMETR 1028.2 SEA QUARTION 2 SQUARE 46  
 LONG 047 54.1W HOUR 22.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 418 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	DAYG	P04	TOT P	M02	M03	SIG3	PH
22.2	STD	00000	11.67	35.55	25.51	00.000	1495.2							
	OBS	00003	11.67	35.550	25.51		1495.3							
	OBS	00007	11.30	35.876	25.87		1493.7							
	STD	00010	11.22	33.57	25.56	00.025	1493.6							
	OBS	00011	11.20	34.019	26.00		1493.6							
	OBS	00019	11.38	34.165	26.08		1494.6							
	STD	00020	11.29	34.12	26.05	00.045	1494.2							
	OBS	00022	10.60	33.584	26.38		1491.6							
	OBS	00026	08.60	33.823	26.28		1484.1							
	STD	00030	06.18	33.75	26.25	00.061	1482.5							
	OBS	00030	08.01	33.742	26.31		1481.8							
	OBS	00034	05.86	33.622	26.50		1473.3							
	OBS	00036	06.60	34.192	26.66		1477.0							
	OBS	00041	06.07	34.550	26.53		1483.3							
	STD	00050	08.02	34.54	26.53	00.090	1485.2							
	OBS	00053	08.00	34.540	26.53		1483.2							
	OBS	00060	07.21	34.415	26.55		1480.1							
	OBS	00064	07.44	34.497	26.56		1481.1							
	OBS	00063	07.05	34.422	26.58		1475.5							
	OBS	00072	07.42	34.553	27.01		1481.3							
	STD	00075	07.29	34.50	27.00	00.118	1480.8							
	OBS	00076	07.25	34.493	27.01		1480.6							
	OBS	00079	07.15	34.458	27.02		1480.5							
	OBS	00087	08.00	34.702	27.06		1484.0							
	STD	00100	07.71	34.63	27.04	00.144	1483.0							
	OBS	00102	07.67	34.620	27.04		1482.8							
	OBS	00121	07.59	34.667	27.05		1482.5							
	STD	00125	06.57	34.57	27.10	00.170	1480.4							
	OBS	00129	06.35	34.480	27.11		1478.1							
	OBS	00140	06.36	34.453	27.13		1478.2							
	OBS	00148	07.24	34.705	27.17		1482.0							
	STD	00150	07.26	34.71	27.17	00.194	1482.1							
	OBS	00152	07.28	34.720	27.18		1482.3							
	OBS	00154	08.10	34.510	27.21		1485.8							
	OBS	00175	08.10	34.915	27.21		1486.1							
	OBS	00190	07.80	34.850	27.21		1485.1							
	OBS	00154	07.15	34.707	27.19		1482.4							
	STD	00200	06.96	34.71	27.22	00.235	1481.8							
	OBS	00201	06.85	34.710	27.23		1481.3							
	OBS	00204	05.56	34.563	27.25		1477.8							
	OBS	00228	05.72	34.570	27.27		1477.1							
	STD	00250	05.65	34.70	27.37	00.260	1477.5							
	OBS	00251	05.65	34.705	27.38		1477.6							
	OBS	00277	05.74	34.705	27.37		1476.2							
	STD	00300	05.48	34.70	27.41	00.317	1477.5							
	OBS	00300	05.47	34.705	27.41		1477.5							
	OBS	00342	05.51	34.850	27.52		1476.5							
	OBS	00350	06.01	34.507	27.50		1483.8							
	STD	00400	05.05	34.84	27.56	00.382	1477.8							
	OBS	00402	05.07	34.840	27.56		1477.7							
	OBS	00453	05.32	34.915	27.59		1475.7							
	OBS	00472	05.30	34.530	27.61		1475.9							
	STD	00500	05.67	34.58	27.60	00.440	1482.0							
	OBS	00502	05.69	34.580	27.60		1482.1							
	OBS	00552	05.57	34.560	27.60		1482.4							
	STD	00600	05.15	34.94	27.63	00.495	1481.5							
	OBS	00651	04.82	34.920	27.65		1480.9							
	STD	00700	04.72	34.52	27.67	00.548	1481.3							
	STD	00800	04.48	34.52	27.69	00.595	1482.0							
	OBS	00803	04.47	34.520	27.69		1482.0							
	OBS	00852	04.33	34.920	27.71		1482.2							
	STD	00900	04.40	34.52	27.70	00.649	1483.3							
	OBS	00902	04.40	34.520	27.70		1483.2							
	OBS	00955	04.17	34.910	27.72		1483.2							
	STD	01000	04.13	34.51	27.72	00.657	1483.8							
	OBS	01001	04.13	34.510	27.72		1483.9							
	STD	01100	04.14	34.52	27.75	00.746	1485.6							
	OBS	01100	04.14	34.920	27.73		1485.6							
	OBS	01165	04.02	34.530	27.75		1486.2							
	STD	01200	04.08	34.53	27.74	00.794	1487.0							
	OBS	01205	04.08	34.530	27.74		1487.0							
	OBS	01235	04.03	34.520	27.74		1487.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O, O C S T A T I O N D A T A

REFID 31 6555 YEAR 1973 BOTOP 00376 AIR TEMP 06.3 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306  
CONSEC 0234 MONTM 07 SHIP EV WET BULB 05.8 00 0 X WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
LAT 47 00.5N DAY 01 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 2 SQUARE 64  
LONG 045 48.4W HOUR 03.5 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 419 1 SQUARE 75

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DRYG	PD4	TOT P	NO2	NO3	SD3	PH
03.5	STD	00000	06.80	33.19	26.05	00.000	1475.9							
	OBS	00003	06.80	33.194	26.05		1476.0							
	STD	00010	06.68	33.18	26.05	00.020	1475.6							
	OBS	00011	06.65	33.174	26.05		1475.5							
	OBS	00015	05.77	33.134	26.13		1471.9							
	OBS	00019	04.84	33.255	26.33		1468.3							
	STD	00020	04.82	33.28	26.36	00.038	1468.3							
	OBS	00022	04.65	33.319	26.40		1467.7							
	OBS	00026	04.17	33.269	26.42		1465.7							
	STD	00030	03.51	33.36	26.55	00.054	1465.1							
	OBS	00030	03.42	33.369	26.57		1462.7							
	OBS	00038	02.07	33.544	26.82		1457.2							
	OBS	00041	01.05	33.808	27.11		1453.1							
	STD	00050	00.85	33.82	27.13	00.076	1452.4							
	OBS	00053	00.80	33.879	27.18		1452.3							
	OBS	00057	00.76	33.975	27.26		1452.3							
	STD	00075	01.28	34.15	27.36	00.095	1455.1							
	OBS	00076	01.30	34.153	27.37		1455.5							
	OBS	00079	01.37	34.164	27.37		1455.6							
	OBS	00087	01.78	34.237	27.40		1457.7							
	OBS	00095	02.55	34.557	27.42		1461.3							
	OBS	00095	02.56	34.320	27.41		1461.2							
	STD	00100	02.42	34.32	27.41	00.117	1460.8							
	OBS	00110	01.77	34.305	27.45		1458.1							
	STD	00125	02.04	34.35	27.47	00.133	1459.2							
	OBS	00125	02.05	34.355	27.47		1459.7							
	STD	00150	02.43	34.48	27.54	00.148	1461.5							
	OBS	00152	02.47	34.487	27.54		1462.1							
	OBS	00175	02.80	34.570	27.58		1464.5							
	STD	00200	03.00	34.57	27.57	00.175	1465.3							
	OBS	00201	03.01	34.572	27.56		1465.4							
	OBS	00205	03.03	34.660	27.63		1465.7							
	OBS	00224	03.39	34.695	27.63		1467.6							
	OBS	00226	03.54	34.715	27.63		1468.3							
	OBS	00243	03.85	34.820	27.68		1470.0							
	STD	00250	04.12	34.85	27.68	00.200	1471.3							
	OBS	00251	04.17	34.860	27.68		1471.5							
	OBS	00277	04.30	34.905	27.70		1472.6							
	OBS	00285	04.53	34.855	27.69		1472.9							
	OBS	00297	04.01	34.840	27.68		1471.6							
	STD	00300	04.01	34.84	27.68	00.223	1471.6							
	OBS	00300	04.01	34.835	27.68		1471.6							
	OBS	00350	03.59	34.857	27.73		1472.4							
	OBS	00361	03.56	34.863	27.72		1472.5							

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REFID 31 6555 YEAR 1973 BOTOP 00292 AIR TEMP 07.6 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306  
CONSEC 0235 MONTM 07 SHIP EV WET BULB 06.2 00 0 X WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
LAT 47 05 N DAY 01 DATA USE 1 BAROMETR 1024.8 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 046 10.5W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER A5 ORIG 011 420 1 SQUARE 76

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DRYG	PD4	TOT P	NO2	NO3	SD3	PH
05.8	STD	00000	07.00	33.13	25.97	00.000	1476.6							
	OBS	00000	07.00	33.130	25.97		1476.6							
	STD	00010	07.00	33.11	25.95	00.021	1476.7							
	OBS	00010	07.00	33.110	25.95		1476.7							
	STD	00020	06.16	33.31	26.22	00.040	1475.8							
	OBS	00020	06.16	33.310	26.22		1475.8							
	STD	00030	02.95	33.15	26.44	00.057	1460.4							
	OBS	00030	02.95	33.150	26.44		1460.4							
	STD	00050	00.42	33.73	27.08	00.085	1450.5							
	OBS	00050	00.42	33.730	27.08		1450.3							
	OBS	00060	00.26	33.810	27.15		1445.0							
	OBS	00070	00.65	33.860	27.17		1451.8							
	STD	00075	00.46	33.87	27.19	00.106	1451.1							
	OBS	00075	00.46	33.870	27.19		1451.1							
	STD	00100	02.98	34.25	27.57	00.120	1465.3							
	OBS	00100	02.98	34.330	27.57		1462.3							
	OBS	00108	03.05	34.550	27.38		1463.7							
	OBS	00110	02.80	34.310	27.37		1462.6							
	STD	00125	02.84	34.37	27.42	00.144	1465.1							
	OBS	00125	02.84	34.370	27.42		1463.1							
	STD	00150	02.38	34.40	27.46	00.160	1461.6							
	OBS	00150	02.38	34.430	27.48		1461.6							
	OBS	00175	03.19	34.650	27.59		1465.8							
	STD	00200	03.66	34.68	27.55	00.185	1468.3							
	OBS	00200	03.66	34.680	27.59		1466.3							
	OBS	00225	04.02	34.810	27.65		1470.4							
	STD	00250	04.12	34.85	27.68	00.213	1471.3							
	OBS	00250	04.12	34.850	27.68		1471.3							
	OBS	00285	04.04	34.680	27.71		1471.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO C STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 01070 AIR TEMP 06.9 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1306  
 CONSEC 0257 MONTH 07 SHIP EV WET BULB 08.3 25 0 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00 N OAY 01 DATA USE 1 BAROMETER 1021.6 SEA WIND-FDR DURATION 2 SQUARE 66  
 LONG 046 41.1 W HOUR 10.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 422 1 SQUARE 66

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
09.3	STO	00000	07.29	32.83	25.70	00.000	1477.3							
	085	00003	07.29	32.834	25.70		1477.4							
	STO	00010	06.99	32.64	25.74	00.023	1476.3							
	085	00011	06.94	32.843	25.75		1476.1							
	STO	00020	06.52	32.90	25.85	00.045	1474.8							
	085	00022	06.42	32.940	25.90		1474.4							
	STO	00050	06.08	33.11	26.07	00.066	1473.4							
	085	00050	06.04	33.117	26.08		1473.2							
	085	00041	04.82	33.221	26.31		1468.6							
	085	00043	03.69	33.096	26.33		1463.7							
	085	00049	01.55	33.098	26.50		1454.5							
	STO	00050	01.46	33.11	26.52	00.100	1454.1							
	085	00053	00.94	33.278	26.65		1452.0							
	085	00057	00.46	33.439	26.85		1450.2							
	085	00064	00.21	33.446	26.89		1450.6							
	STO	00075	01.02	33.66	26.99	00.133	1453.4							
	085	00076	01.07	33.673	27.00		1452.6							
	085	00091	01.19	33.813	27.10		1454.5							
	085	00094	00.21	33.864	27.18		1452.1							
	STO	00100	00.74	33.90	27.20	00.157	1452.8							
	085	00102	01.12	33.977	27.24		1454.6							
	085	00106	01.63	34.019	27.24		1457.0							
	085	00110	01.81	34.027	27.23		1457.9							
	085	00114	01.73	34.080	27.28		1457.7							
	085	00116	01.87	34.135	27.31		1458.4							
	085	00121	01.29	34.113	27.34		1455.9							
	STO	00125	01.35	34.12	27.35	00.176	1456.2							
	085	00125	01.38	34.117	27.35		1456.4							
	085	00129	01.75	34.200	27.37		1456.2							
	085	00133	02.45	34.304	27.40		1461.6							
	085	00140	03.21	34.400	27.41		1465.0							
	085	00144	05.35	34.453	27.42		1465.7							
	085	00148	03.68	34.505	27.45		1467.2							
	STO	00150	03.68	34.51	27.45	00.195	1467.3							
	085	00152	03.71	34.506	27.45		1467.5							
	085	00175	05.96	34.570	27.47		1469.0							
	STO	00200	04.15	34.65	27.54	00.226	1470.4							
	085	00201	04.16	34.652	27.55		1470.4							
	085	00228	04.25	34.764	27.59		1471.3							
	STO	00250	04.19	34.83	27.65	00.252	1471.5							
	085	00251	04.18	34.830	27.65		1471.5							

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REFID 31 8355 YEAR 1973 BOTOP 01070 AIR TEMP 06.9 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1306  
 CONSEC 0257 MONTH 07 SHIP EV WET BULB 08.3 25 0 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00 N OAY 01 DATA USE 1 BAROMETER 1021.6 SEA WIND-FDR DURATION 2 SQUARE 66  
 LONG 046 41.1 W HOUR 10.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 422 1 SQUARE 76

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
10.8	STO	00000	06.70	33.08	25.97	00.000	1475.3							
	085	00000	06.70	33.080	25.97		1475.3							
	STO	00010	06.60	33.14	26.03	00.020	1475.2							
	085	00010	06.60	33.140	26.03		1475.2							
	STO	00020	04.45	33.20	26.33	00.034	1466.7							
	085	00020	04.45	33.200	26.33		1466.7							
	STO	00030	01.95	33.46	26.77	00.054	1456.4							
	085	00030	01.95	33.460	26.77		1456.4							
	STO	00050	00.55	33.85	27.17	00.074	1451.0							
	085	00050	00.55	33.850	27.17		1451.0							
	STO	00075	01.20	34.10	27.33	00.096	1454.7							
	085	00075	01.20	34.100	27.33		1454.7							
	STO	00100	01.50	34.31	27.48	00.113	1456.8							
	085	00100	01.50	34.310	27.48		1456.8							
	STO	00120	02.46	34.45	27.51	00.126	1461.7							
	085	00125	02.48	34.450	27.51		1461.7							
	STO	00150	03.27	34.71	27.65	00.142	1465.8							
	085	00150	03.27	34.710	27.65		1465.8							
	STO	00200	03.76	34.73	27.63	00.165	1468.8							
	085	00200	03.76	34.750	27.63		1468.8							
	STO	00250	03.62	34.75	27.65	00.189	1465.0							
	085	00250	03.62	34.750	27.65		1465.0							
	STO	00300	03.73	34.79	27.67	00.213	1470.4							
	085	00300	03.73	34.790	27.67		1470.4							
	STO	00400	03.93	34.87	27.71	00.257	1473.0							
	085	00400	03.93	34.670	27.71		1473.0							
	STO	00500	03.90	34.88	27.72	00.500	1474.5							
	085	00500	03.90	34.880	27.72		1474.5							
	STO	00600	03.83	34.88	27.73	00.343	1475.9							
	085	00600	03.83	34.880	27.73		1475.9							
	STO	00700	03.81	34.89	27.74	00.387	1477.5							
	085	00700	03.81	34.890	27.74		1477.5							
	STO	00800	03.74	34.89	27.75	00.430	1478.8							
	085	00800	03.74	34.890	27.75		1478.8							
	STO	00900	03.73	34.89	27.75	00.475	1460.5							
	085	00900	03.73	34.890	27.75		1460.5							
	STO	01000	03.68	34.89	27.75	00.517	1481.9							
	085	01000	03.68	34.890	27.75		1481.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFIC 31 0335 YEAR 1973 dOTOP 0111 AIR TEMP 06.2 DIR MGT PER #INO-DIR 27 INST STD RECORDER TEN SQ 1306  
 CDNSEC 0236 M0NTH 07 SHIP EV MET BULB 08.0 25 0 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 47 01.5N DAY 01 DATA USE 1 BAROMETR 1021.6 SEA WIND-FDR DURATION 2 SQUARE 6  
 LONG 046 57.0W HOUR 13.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG\_01 423 1 SQUARE 76

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SI03	PH
13.1	STD	0000	05.29	32.75	25.91	00.000	1465.3							
	DBS	0000	05.25	32.785	25.91		1465.3							
	STD	0000	05.24	32.83	25.95	00.021	1465.3							
	DBS	0001	05.23	32.842	25.96		1465.3							
	DBS	0010	04.73	32.777	25.97		1467.2							
	STD	0020	04.34	32.82	26.02	00.041	1466.5							
	DBS	0022	04.51	32.850	26.07		1465.6							
	STD	0030	03.57	32.95	26.22	00.060	1461.9							
	DBS	0030	03.24	32.938	26.24		1461.3							
	DBS	0034	02.03	33.021	26.41		1456.2							
	DBS	0034	01.17	33.204	26.61		1452.7							
	DBS	0041	00.87	33.253	26.67		1451.5							
	DBS	0049	- 0.42	33.305	26.78		1445.8							
	DBS	0049	- 1.03	33.556	26.99		1443.3							
	STD	0050	- 1.03	33.54	26.99	00.085	1443.3							
	DBS	0053	- 1.00	33.585	27.05		1443.6							
	STD	0075	- 0.20	33.83	27.15	00.113	1448.0							
	DBS	0076	- 0.19	33.855	27.20		1446.1							
	DBS	0083	- 0.21	33.845	27.21		1448.1							
	STD	0100	00.71	34.12	27.38	00.133	1453.0							
	DBS	0102	00.91	34.140	27.38		1453.5							
	DBS	0106	01.20	34.153	27.37		1453.3							
	STD	0125	01.21	34.21	27.42	00.150	1455.7							
	DBS	0125	01.21	34.217	27.42		1455.8							
	DBS	0140	01.90	34.354	27.48		1459.3							
	STD	0150	01.99	34.36	27.48	00.167	1455.8							
	DBS	00152	02.02	34.360	27.48		1460.0							
	DBS	00175	02.20	34.500	27.57		1461.8							
	STD	00200	02.67	34.56	27.59	00.195	1463.9							
	DBS	00201	02.69	34.571	27.59		1464.0							
	DBS	00213	02.83	34.615	27.62		1464.9							
	DBS	00217	03.07	34.680	27.65		1466.0							
	DBS	00228	03.15	34.685	27.64		1466.6							
	STD	00250	03.34	34.71	27.64	00.220	1467.8							
	DBS	00251	03.35	34.708	27.64		1467.8							
	DBS	00277	03.68	34.810	27.69		1469.8							
	STD	00300	03.61	34.84	27.69	00.240	1469.9							
	DBS	00300	03.61	34.808	27.70		1469.9							
	DBS	00350	03.79	34.850	27.71		1471.5							
	STD	00400	03.74	34.85	27.71	00.286	1472.2							
	DBS	00400	03.74	34.850	27.72		1472.2							
	DBS	00460	03.67	34.850	27.70		1473.7							
	STD	00500	03.73	34.85	27.72	00.329	1473.8							
	DBS	00502	03.73	34.850	27.72		1473.8							
	DBS	00552	03.94	34.920	27.75		1475.6							
	STD	00600	03.83	34.91	27.75	00.371	1475.5							
	DBS	00601	03.83	34.907	27.75		1475.9							
	DBS	00651	03.75	34.910	27.76		1476.4							
	STD	00700	03.78	34.91	27.76	00.412	1477.3							
	DBS	00700	03.78	34.907	27.76		1477.3							
	DBS	00750	03.72	34.910	27.77		1478.0							
	STD	00800	03.65	34.91	27.77	00.454	1478.7							
	DBS	00803	03.69	34.910	27.77		1478.7							
	DBS	00852	03.64	34.905	27.77		1479.3							
	STD	00900	03.65	34.91	27.78	00.495	1480.2							
	DBS	00902	03.65	34.915	27.78		1480.2							
	DBS	00951	03.65	34.927	27.79		1481.0							
	STD	01000	03.62	34.90	27.77	00.537	1481.7							
	DBS	01001	03.62	34.958	27.77		1481.7							
	DBS	01006	03.64	34.908	27.77		1481.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 01 0255	YEAR 1973	BTOP 03700	AIR TEMP 09.7	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN 50 1306
CONSEC 0259	MONTH 07	SHIP EV	WET BULB 06.5	24 2 0	WIND-SPD 16	TRACE DIR 0	5 SQUARE 4
LAT 40 59.5N	DAY 01	DATA USE 1	BAROMETR 1021.9	SEA	WIND-FDR	DURATION	2 SQUARE 66
LONG 047 11.1W	MOJ 10.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 424	1 SQUARE 67

LASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIO3	PH
16.1	STD	00000	05.17	32.50	25.70	00.000	1468.4							
	OBS	00003	05.17	32.500	25.70		1468.4							
	STD	00010	05.10	32.50	25.71	00.023	1468.3							
	OBS	00011	05.07	32.500	25.71		1468.2							
	OBS	00015	04.95	32.500	25.72		1467.7							
	OBS	00019	04.57	32.470	25.74		1466.2							
	STD	00020	04.54	32.479	25.76	00.040	1466.1							
	OBS	00022	04.21	32.520	25.80		1464.4							
	OBS	00026	02.67	32.500	25.94		1456.2							
	STD	00029	03.54	32.75	26.25	00.066	1450.9							
	OBS	00030	00.74	32.760	26.28		1450.1							
	OBS	00034	- 0.41	32.900	26.45		1445.0							
	OBS	00038	- 1.10	33.180	26.70		1442.3							
	STD	00050	- 1.31	33.21	26.75	00.097	1441.5							
	OBS	00053	- 1.34	33.220	26.74		1441.5							
	STD	00075	- 1.15	33.37	26.66	00.128	1442.9							
	OBS	00076	- 1.14	33.380	26.67		1443.0							
	STD	00100	- 0.88	33.60	27.03	00.156	1444.9							
	OBS	00102	- 0.83	33.620	27.05		1445.2							
	STD	00125	- 0.36	33.81	27.18	00.180	1448.0							
	OBS	00125	- 0.39	33.810	27.18		1446.1							
	OBS	00146	01.04	33.666	27.25		1450.4							
	STD	00150	03.05	33.85	27.25	00.202	1450.4							
	OBS	00151	03.06	33.865	27.24		1450.5							
	OBS	00175	03.45	34.057	27.53		1453.7							
	STD	00200	04.34	34.21	27.44	00.240	1457.5							
	OBS	00201	01.53	34.225	27.42		1457.8							
	OBS	00228	01.87	34.360	27.45		1460.6							
	STD	00250	02.09	34.43	27.53	00.272	1462.0							
	OBS	00251	02.11	34.450	27.53		1462.1							
	OBS	00277	02.47	34.545	27.55		1464.3							
	STD	00300	02.61	34.56	27.59	00.299	1465.3							
	OBS	00300	02.62	34.560	27.59		1465.3							
	OBS	00327	02.84	34.653	27.64		1466.8							
	OBS	00342	03.10	34.650	27.65		1468.3							
	OBS	00350	03.23	34.710	27.65		1469.0							
	STD	00400	03.58	34.85	27.71	00.347	1471.4							
	OBS	00403	03.63	34.850	27.71		1471.6							
	OBS	00453	03.75	34.845	27.71		1473.1							
	STD	00500	03.75	34.85	27.75	00.385	1475.8							
	OBS	00510	03.72	34.850	27.75		1475.9							
	OBS	00552	03.70	34.883	27.75		1474.5							
	STD	00600	03.71	34.90	27.76	00.425	1475.4							
	OBS	00601	03.71	34.898	27.76		1475.4							
	OBS	00654	03.71	34.902	27.76		1476.3							
	STD	00700	03.71	34.90	27.76	00.470	1477.1							
	OBS	00700	03.71	34.900	27.76		1477.1							
	OBS	00727	03.72	34.896	27.75		1477.6							

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REFID 01 0000	YEAR 1973	BTOP 00001	AIR TEMP 10.5	DIR HGT PER	WIND-DIR 27	INST STD RECORDER	TEN 50 1306
CONSEC 0253	MONTH 07	SHIP EV	WET BULB 09.7	03 0 X	WIND-SPD 25	TRACE DIR 0	5 SQUARE 4
LAT 40 59.5N	DAY 01	DATA USE 1	BAROMETR 1021.5	SEA	WIND-FDR	DURATION	2 SQUARE 66
LONG 047 10.7W	MOJ 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 425	1 SQUARE 67

LASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIO3	PH
17.1	STD	00000	05.50	32.50	25.66	00.000	1465.7							
	OBS	00003	05.50	32.502	25.66		1469.8							
	OBS	00007	05.43	32.500	25.66		1469.8							
	STD	00010	05.32	32.50	25.68	00.023	1469.2							
	OBS	00011	05.22	32.505	25.70		1468.8							
	STD	00020	04.64	32.54	25.79	00.040	1466.5							
	OBS	00022	04.23	32.546	25.84		1464.9							
	OBS	00026	03.51	32.711	26.04		1462.1							
	STD	00030	03.05	32.77	26.13	00.067	1460.5							
	OBS	00030	03.00	32.760	26.14		1460.1							
	OBS	00034	02.10	32.805	26.23		1456.3							
	OBS	00038	00.85	33.050	26.51		1451.1							
	OBS	00038	00.62	33.045	26.52		1450.1							
	OBS	00041	- 0.23	33.152	26.65		1446.4							
	OBS	00045	- 0.79	33.302	26.75		1444.1							
	STD	00050	- 0.84	33.50	26.80	00.058	1443.9							
	OBS	00053	- 1.07	33.324	26.82		1442.5							
	OBS	00057	- 1.12	33.354	26.85		1442.8							
	STD	00075	- 0.59	33.47	26.93	00.128	1443.8							
	OBS	00076	- 0.98	33.472	26.94		1443.5							
	STD	00100	- 0.85	33.60	27.05	00.156	1445.1							
	OBS	00102	- 0.80	33.642	27.07		1445.4							
	OBS	00121	- 0.28	33.751	27.13		1448.3							
	STD	00125	- 0.30	33.75	27.17	00.175	1448.3							
	OBS	00125	- 0.30	33.796	27.17		1448.3							
	STD	00150	00.16	33.87	27.20	00.201	1451.0							
	OBS	00152	00.23	33.883	27.21		1451.3							
	OBS	00175	00.76	34.126	27.38		1454.5							
	STD	00200	01.53	34.25	27.43	00.235	1458.5							
	OBS	00201	01.55	34.260	27.43		1458.6							
	OBS	00205	01.58	34.284	27.45		1458.9							
	OBS	00228	01.58	34.370	27.45		1461.1							
	STD	00250	02.01	34.35	27.47	00.272	1461.5							
	OBS	00251	02.01	34.346	27.47		1461.6							
	OBS	00277	02.04	34.354	27.47		1462.1							
	OBS	00293	02.05	34.258	27.48		1462.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO L S T A T I O N D A T A

REF ID 31 8355 YEAR 1973 BOTOP 00175 AIR TEMP 06.2 DIR HGT PER WIND-DIR 28 INST STO RECORDER TEN SW 1306  
CONSEC 0241 MONTH 07 SHIP EV MET BULB 07.5 00 0 X WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
LAT 46 58.3N DAY 01 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 047 42.5W HOUR 19.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 426 1 SQUARE 67

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
19.8	STD	00000	04.92	32.29	25.56	00.030	1467.1							
	OBS	00003	04.92	32.291	25.56		1467.1							
	STD	00010	04.92	32.30	25.57	00.024	1467.2							
	OBS	00011	04.78	32.307	25.59		1466.7							
	OBS	00015	04.16	32.316	25.66		1464.2							
	STD	00020	03.80	32.41	25.77	00.048	1462.9							
	OBS	00022	03.40	32.425	25.82		1461.2							
	OBS	00026	02.62	32.386	25.86		1457.8							
	STD	00030	01.20	32.48	26.03	00.069	1451.7							
	OBS	00030	01.01	32.491	26.05		1450.9							
	OBS	00034	- 0.23	32.600	26.20		1445.5							
	OBS	00038	- 1.32	32.916	26.50		1440.9							
	OBS	00049	- 1.81	33.100	26.65		1440.0							
	STD	00050	- 1.60	33.10	26.65	00.102	1440.0							
	OBS	00053	- 1.57	33.104	26.66		1440.2							
	STD	00075	- 1.55	32.26	26.78	00.136	1441.8							
	OBS	00076	- 1.54	33.268	26.78		1441.9							
	STD	00100	- 1.07	33.43	26.90	00.166	1443.8							
	OBS	00102	- 1.03	33.453	26.92		1444.1							
	STD	00125	- 0.60	33.67	27.08	00.193	1446.8							
	OBS	00125	- 0.59	33.676	27.09		1446.8							
	STD	00150	- 0.48	33.67	27.08	00.217	1447.7							
	OBS	00152	- 0.47	33.673	27.08		1447.8							
	OBS	00159	- 0.46	33.674	27.08		1448.0							

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REF ID 31 8355 YEAR 1973 BOTOP 00100 AIR TEMP 06.8 DIR HGT PER WIND-DIR 28 INST STO RECORDER TEN SW 1306  
CONSEC 0242 MONTH 07 SHIP EV MET BULB 08.0 08 1 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4  
LAT 46 58.8N DAY 01 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 68  
LONG 048 05.5W HOUR 22.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 427 1 SQUARE 68

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
22.3	STD	00000	05.52	32.15	25.39	00.000	1469.4							
	OBS	00003	05.52	32.154	25.39		1469.4							
	STD	00010	05.50	32.16	25.39	00.026	1469.5							
	OBS	00011	05.50	32.158	25.39		1469.5							
	OBS	00013	04.95	32.134	25.44		1467.1							
	STD	00020	04.50	32.18	25.50	00.051	1465.5							
	OBS	00022	04.24	32.182	25.55		1465.4							
	STD	00030	03.36	32.28	25.71	00.075	1461.0							
	OBS	00030	03.31	32.290	25.72		1460.8							
	OBS	00044	02.52	32.356	25.81		1459.2							
	OBS	00038	02.35	32.348	25.85		1456.8							
	OBS	00045	- 0.85	32.615	26.24		1442.0							
	OBS	00049	- 1.38	32.837	26.43		1440.7							
	STD	00050	- 1.40	32.84	26.44	00.114	1440.6							
	OBS	00076	- 1.52	32.876	26.47		1440.1							
	OBS	00064	- 1.60	32.486	26.56		1440.1							
	STD	00075	- 1.59	32.00	26.57	00.153	1440.3							
	OBS	00076	- 1.59	32.999	26.57		1440.4							
	STD	00100	- 1.51	33.13	26.68	00.188	1441.3							
	OBS	00102	- 1.48	33.147	26.69		1441.5							
	OBS	00110	- 1.39	33.184	26.72		1442.1							

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REF ID 31 8355 YEAR 1973 BOTOP 00104 AIR TEMP 05.0 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SW 1306  
CONSEC 0243 MONTH 07 SHIP EV MET BULB 08.1 24 4 1 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
LAT 47 00.0N DAY 02 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 68  
LONG 048 39.5W HOUR 02.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG 011 428 1 SQUARE 76

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
02.0	STD	00000	05.62	31.94	25.21	00.000	1469.5							
	OBS	00003	05.62	31.940	25.21		1469.5							
	OBS	00007	05.57	31.940	25.21		1469.4							
	STD	00010	05.02	31.94	25.28	00.027	1467.2							
	OBS	00011	04.77	31.947	25.31		1466.2							
	OBS	00019	04.28	31.968	25.37		1464.3							
	STD	00020	04.23	31.98	25.39	00.054	1464.1							
	OBS	00022	03.75	32.008	25.46		1462.1							
	OBS	00026	02.26	32.176	25.72		1456.0							
	STD	00030	01.29	32.31	25.89	00.078	1451.9							
	OBS	00030	01.15	32.329	25.91		1451.3							
	OBS	00034	00.16	32.524	26.12		1447.2							
	OBS	00041	- 1.01	32.722	26.33		1442.1							
	STD	00050	- 1.36	32.88	26.47	00.114	1440.7							
	OBS	00053	- 1.47	32.923	26.51		1440.4							
	OBS	00060	- 1.53	32.964	26.56		1440.4							
	STD	00075	- 1.52	32.98	26.56	00.153	1440.6							
	OBS	00076	- 1.52	32.985	26.56		1440.7							
	OBS	00087	- 1.52	32.962	26.56		1440.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOGC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 00060 AIR TEMP 08.0 OIR MGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306  
CONSEC 0244 MONTH 07 SHIP EV WET BULB 07.8 27 0 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4  
LAT 47 31.34 DAY 32 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 68  
LONG 149 10.16 HOUR 04.2 AREA 05 CLOUD T/A CL/TR WEATHER R1 DRIG 011 429 1 SQUARE 79

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OVNPTH	SNO VEL	DRYG	P34	TOT P <sup>2</sup>	NO2	NO3	S103	PH
	STO	00000	05.68	31.82	25.10	00.000	1469.6							
	085	00005	05.68	31.816	25.10		1465.6							
	085	00007	05.68	31.819	25.10		1469.7							
	STO	00010	05.58	31.75	25.09	00.029	1465.3							
	085	00011	05.46	32.787	25.10		1468.8							
	085	00015	04.88	31.827	25.20		1466.5							
	STO	00020	05.91	32.02	25.45	00.056	1462.8							
	085	00022	05.22	32.105	25.58		1460.0							
	085	00026	02.14	32.174	25.72		1455.4							
	STU	00030	01.47	32.25	25.85	00.079	1452.6							
	085	00033	01.36	32.254	25.84		1452.2							
	085	00034	00.37	32.295	25.93		1447.8							
	085	00038	- 0.81	32.576	26.21		1442.8							
	085	00041	- 1.31	32.782	26.35		1440.8							
	STO	00050	- 1.40	32.84	26.43	00.117	1440.6							
	085	00053	- 1.43	32.845	26.45		1440.5							
	085	00072	- 1.47	32.840	26.44		1440.6							

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REFID 31 8355 YEAR 1973 BOTOP 00073 AIR TEMP 08.0 OIR MGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306  
CONSEC 0245 MONTH 07 SHIP EV WET BULB 08.0 27 0 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4  
LAT 46 10.54 DAY 02 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 68  
LONG 148 44.44 HOUR 05.1 AREA 05 CLOUD T/A CL/TR WEATHER R4 DRIG 011 430 1 SQUARE 68

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OVNPTH	SNO VEL	DRYG	P34	TOT P <sup>2</sup>	NO2	NO3	S103	PH
	STO	00000	07.02	32.18	25.22	00.000	1475.4							
	085	00003	07.01	32.180	25.22		1475.5							
	085	00007	07.02	32.176	25.22		1475.5							
	STO	00010	06.36	32.18	25.30	00.027	1473.0							
	085	00011	05.52	32.176	25.36		1471.2							
	085	00015	04.91	32.276	25.55		1465.6							
	085	00017	04.05	32.300	25.66		1463.7							
	STU	00020	04.01	32.30	25.66	00.052	1463.6							
	085	00022	05.50	32.267	25.66		1463.2							
	085	00026	02.22	32.386	25.85		1456.1							
	STU	00030	01.18	32.46	26.02	00.074	1451.6							
	085	00033	01.05	32.473	26.04		1451.1							
	085	00034	00.20	32.548	26.14		1447.4							
	085	00038	- 0.94	32.787	26.38		1442.5							
	085	00041	- 1.26	32.856	26.48		1441.2							
	STO	00050	- 1.36	32.97	26.54	00.105	1440.5							
	085	00053	- 1.39	32.983	26.55		1440.5							
	085	00064	- 1.42	32.985	26.56		1440.5							

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REFID 31 8355 YEAR 1973 BOTOP 00096 AIR TEMP 08.0 OIR MGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306  
CONSEC 0246 MONTH 07 SHIP EV WET BULB 08.0 28 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 4  
LAT 46 00 N DAY 02 DATA USE 1 BAROMETR 1025.8 SEA WIND-FOR DURATION 2 SQUARE 68  
LONG 148 23.54 HOUR 11.3 AREA 05 CLOUD T/A CL/TR WEATHER R4 DRIG 011 431 1 SQUARE 68

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OVNPTH	SNO VEL	DRYG	P34	TOT P <sup>2</sup>	NO2	NO3	S103	PH
	STO	00000	06.29	32.18	25.31	00.000	1472.5							
	085	00003	06.29	32.180	25.31		1472.6							
	STO	00010	06.23	32.18	25.32	00.027	1472.4							
	085	00011	06.22	32.167	25.31		1472.4							
	085	00015	04.80	32.132	25.45		1466.6							
	085	00019	03.27	32.380	25.80		1460.5							
	STU	00020	03.04	32.40	25.83	00.051	1459.6							
	085	00022	02.59	32.456	25.91		1457.7							
	085	00026	02.40	32.506	25.97		1457.0							
	STU	00030	01.50	32.52	26.04	00.072	1453.1							
	085	00030	01.35	32.530	26.06		1452.5							
	085	00034	00.05	32.678	26.25		1446.5							
	085	00038	- 0.52	32.823	26.35		1445.4							
	085	00041	- 1.00	32.904	26.48		1442.4							
	085	00045	- 1.35	33.015	26.56		1441.0							
	STO	00050	- 1.51	33.06	26.62	00.106	1440.4							
	085	00053	- 1.60	33.092	26.65		1440.1							
	STO	00075	- 1.52	33.15	26.70	00.140	1440.9							
	085	00076	- 1.52	33.157	26.70		1440.9							
	085	00067	- 1.52	33.175	26.71		1441.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

M O D C S T A T I O N D A T A

REFID 31 3355 YEAR 1973 BDTOP 00152 AIR TEMP 08.1 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0247 MONTH 07 SHIP EV WET BULB 08.1 05 0 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 45 48.5N DAY 02 DATA USE 1 BAROMETER 1025.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 09.5W HOUR 12.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG OII 432 1 SQUARE 58

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P <sup>2</sup>	NO2	NO3	SI03	PH
12.0	STD	00000	05.21	32.28	25.53	00.000	1468.3							
	OBS	00003	05.21	32.285	25.53		1468.3							
	OBS	00007	05.15	32.275	25.52		1468.3							
	STD	00010	04.55	32.18	25.52	00.025	1465.5							
	OBS	00011	04.24	32.160	25.53		1464.2							
	OBS	00015	03.65	32.224	25.84		1461.9							
	OBS	00019	02.08	32.324	25.79		1458.8							
	STD	00020	02.74	32.36	25.84	00.048	1458.2							
	OBS	00022	02.43	32.516	25.68		1457.1							
	OBS	00026	02.25	32.635	26.08		1456.6							
	STD	00030	01.18	32.74	26.24	00.068	1452.0							
	OBS	00030	01.03	32.760	26.27		1451.4							
	OBS	00038	- 1.08	33.014	26.57		1442.1							
	OBS	00041	- 1.33	33.162	26.70		1441.2							
	OBS	00045	- 1.46	33.206	26.74		1440.8							
	STD	00050	- 1.46	33.21	26.74	00.059	1440.9							
	OBS	00053	- 1.43	33.247	26.77		1441.1							
	STD	00075	- 1.23	33.45	26.93	00.125	1442.7							
	OBS	00076	- 1.22	33.460	26.93		1442.7							
	STD	00100	- 0.92	33.53	26.98	00.157	1444.6							
	OBS	00102	- 0.68	33.542	26.95		1444.9							
	STD	00125	- 0.52	33.70	27.10	00.182	1447.2							
	OBS	00125	- 0.51	33.701	27.10		1447.2							
	OBS	00148	- 0.46	33.785	27.17		1447.9							
	STD	00150	- 0.42	33.75	27.17	00.206	1448.1							
	OBS	00152	- 0.37	33.792	27.17		1448.4							
	OBS	00167	- 0.35	33.794	27.17		1448.9							

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REFID 31 3355 YEAR 1973 BDTOP 00052 AIR TEMP 08.5 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1306  
 CONSEC 0246 MONTH 07 SHIP EV WET BULB 08.2 00 0 A WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 45 42.5N DAY 02 DATA USE 1 BAROMETER 1015.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 047 59.7W HOUR 13.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG OII 433 1 SQUARE 37

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P <sup>2</sup>	NO2	NO3	SI03	PH
13.8	STD	00000	05.74	32.50	25.64	00.000	1470.7							
	OBS	00003	05.74	32.504	25.64		1470.8							
	STD	00010	05.61	32.50	25.65	00.024	1470.3							
	OBS	00011	05.58	32.500	25.65		1470.3							
	OBS	00015	05.47	32.534	25.69		1470.0							
	STD	00020	05.35	32.55	25.71	00.047	1465.7							
	OBS	00022	05.07	32.637	25.62		1468.5							
	OBS	00026	04.43	32.845	26.06		1466.2							
	STD	00030	04.19	32.95	26.16	00.068	1462.4							
	OBS	00030	04.16	32.956	26.17		1462.5							
	OBS	00038	03.83	32.977	26.22		1464.0							
	OBS	00045	03.04	33.013	26.32		1460.7							
	OBS	00049	02.20	33.055	26.42		1457.3							
	STD	00050	02.08	33.07	26.45	00.102	1456.8							
	OBS	00053	01.15	33.177	26.59		1452.0							
	OBS	00057	00.03	33.253	26.72		1447.9							
	OBS	00060	- 0.66	33.353	26.83		1445.0							
	OBS	00068	- 1.07	33.438	26.91		1443.3							
	OBS	00074	- 1.13	33.465	26.95		1443.1							
	STD	00075	- 1.05	33.50	26.96	00.136	1443.4							
	OBS	00076	- 1.07	33.510	26.97		1443.5							
	STD	00100	- 0.71	33.65	27.07	00.162	1445.8							
	OBS	00102	- 0.65	33.666	27.06		1446.1							
	STD	00125	- 0.09	33.88	27.23	00.185	1445.4							
	OBS	00125	- 0.07	33.890	27.24		1445.5							
	OBS	00148	00.57	34.060	27.34		1453.0							
	STD	00150	00.70	34.10	27.36	00.205	1453.7							
	OBS	00152	00.65	34.140	27.39		1454.5							
	OBS	00156	00.95	34.190	27.42		1455.1							
	OBS	00159	01.30	34.220	27.42		1456.7							
	OBS	00175	01.76	34.352	27.49		1459.2							
	STD	00200	02.08	34.36	27.50	00.238	1461.1							
	OBS	00201	02.10	34.353	27.50		1461.2							
	OBS	00226	02.44	34.537	27.55		1463.3							
	STD	00250	02.66	34.56	27.59	00.266	1464.7							
	OBS	00251	02.68	34.565	27.55		1464.6							
	OBS	00277	03.16	34.707	27.66		1467.5							
	STD	00300	03.37	34.70	27.65	00.292	1468.7							
	OBS	00300	03.38	34.700	27.65		1468.8							
	OBS	00350	03.53	34.607	27.70		1470.4							
	STD	00400	03.51	34.80	27.70	00.336	1471.1							
	OBS	00403	03.51	34.803	27.70		1471.2							
	OBS	00453	03.53	34.833	27.70		1472.1							
	STD	00500	03.54	34.81	27.70	00.382	1472.9							
	OBS	00502	03.54	34.808	27.70		1472.5							
	OBS	00552	03.56	34.813	27.70		1473.9							
	STD	00600	03.60	34.63	27.72	00.427	1474.8							
	OBS	00601	03.60	34.833	27.72		1474.9							
	OBS	00635	03.66	34.640	27.72		1475.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 6355 YEAR 1973 03TOP 0116 AIR TEMP 05.5 OIR HGT PER WIND-OIR 25 INST STO RECORDER TEN SQ 1506  
 CONSEC 0245 MONTH 07 SHIP EV MET BULB 05.5 12 2 3 WIND-SPO 10 TRACE OIR 5 SQUARE 4  
 LAT 45 40.5N DAY 02 DATA USE 1 BAROMETR 1026.5 SEA CL/TR WIND-FOR DURATION 2 SQUARE 46  
 LONG 147 51.0W HGUR 15.1 AREA 05 CLOUD T/A WEATHER A4 ORIG 011 434 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	ORYG	P34	TOT P <sup>2</sup>	NO2	NO3	SI03	PH
15.1	STO	03000	06.15	34.65	25.68	00.000	1472.7							
	085	03033	06.19	34.625	25.68		1472.8							
	085	03007	06.16	34.620	25.67		1472.8							
	STO	03010	06.11	34.65	25.69	00.023	1472.4							
	085	00011	06.06	32.635	25.70		1472.4							
	085	00016	05.72	32.734	25.82		1471.3							
	STO	00020	05.58	32.74	25.84	00.04c	1470.7							
	085	03022	05.17	32.770	25.51		1466.1							
	STO	03030	04.08	34.94	26.17	00.066	1464.5							
	085	03030	04.05	32.960	26.18		1464.6							
	085	00038	04.29	33.258	26.39		1466.4							
	085	03041	04.16	33.331	26.40		1466.1							
	STO	03050	02.21	33.52	26.79	00.057	1458.0							
	085	00053	01.69	33.597	26.89		1455.8							
	085	03060	01.09	33.756	27.09		1453.6							
	STO	00075	00.95	33.87	27.16	00.124	1453.3							
	085	03076	00.53	33.878	27.17		1453.2							
	085	03079	00.86	33.912	27.20		1453.0							
	STO	00100	01.07	34.06	27.30	00.145	1454.5							
	085	00102	01.11	34.075	27.32		1454.7							
	STO	00145	01.55	34.22	27.40	00.164	1457.3							
	085	00125	01.56	34.220	27.40		1457.3							
	085	00148	01.84	34.253	27.49		1456.1							
	STO	00150	01.63	34.35	27.44	00.160	1457.1							
	085	00152	01.84	34.252	27.44		1456.1							
	085	00175	02.1e	34.450	27.54		1461.1							
	STO	00200	02.40	34.55	27.58	00.205	1462.7							
	085	00201	02.42	34.530	27.58		1462.8							
	085	00228	02.79	34.567	27.58		1464.9							
	STO	00250	03.00	34.65	27.66	00.233	1466.3							
	085	00251	03.02	34.700	27.67		1466.4							
	085	00277	03.41	34.65 P	27.620*									
	STO	00300	03.51	34.75	27.65	00.256	1469.4							
	085	00300	03.51	34.795	27.65		1465.5							
	085	00350	03.95	34.840	27.69		1472.2							
	STO	00400	04.00	34.90	27.73	00.298	1473.3							
	085	00405	04.00	34.900	27.73		1473.4							
	085	00453	04.00	34.900	27.73		1474.2							
	STO	00500	03.94	34.51	27.74	00.340	1474.7							
	085	00502	03.54	34.507	27.74		1474.8							
	085	00552	03.88	34.855	27.74		1475.3							
	STO	00600	03.85	34.50	27.75	00.381	1475.9							
	085	00601	03.83	34.903	27.75		1475.9							
	085	00651	03.81	34.903	27.75		1476.7							
	STO	00700	03.75	34.50	27.75	00.423	1477.4							
	085	00700	03.75	34.900	27.75		1477.4							
	085	00750	03.73	34.510	27.76		1478.0							
	STO	00800	03.72	34.91	27.77	00.465	1478.8							
	085	00805	03.72	34.910	27.77		1478.6							
	085	00852	03.72	34.910	27.77		1479.7							
	STO	00900	03.68	34.512	27.77	00.506	1480.3							
	085	00902	03.68	34.512	27.77		1480.3							
	085	00951	03.68	34.515	27.78		1481.1							
	STO	01000	03.66	34.51	27.77	00.548	1481.9							
	085	01001	03.66	34.512	27.77		1481.9							
	085	01008	03.65	34.512	27.77		1482.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 21 8355 YEAR 1973 BOTOP 02172 AIR TEMP 05.5 DIR HGT FER WIND-DIR 2s INST STO RECORDER TEM SJ 1006  
 CONSEC 0250 MONTH 07 SHIP EV WET BULB 05.0 OJ X X WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 45 18.7N DAY 02 DATA USE 1 SEA CL/TR WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 30.8W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER 14 DRIG 011 435 1 SQUARE 57

CAST/NO/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	ORYG	PO4	TOT P-2	NO2	NO3	SI03	PH
10.0	STD	00000	07.77	32.56	25.75	00.000	1475.4							
	OBS	00003	07.77	32.962	25.75		1475.4							
	STD	00010	07.26	32.55	25.79	00.022	1477.5							
	OBS	00011	07.23	32.551	25.80		1477.3							
	OBS	00015	07.15	32.955	25.81		1477.2							
	OBS	00019	06.79	32.897	25.81		1475.8							
	STD	00020	06.35	32.52	25.85	00.044	1474.1							
	OBS	00022	05.25	32.550	26.05		1469.7							
	STD	00030	03.56	32.87	26.17	00.064	1461.8							
	OBS	00030	03.14	32.860	26.15		1460.8							
	OBS	00034	00.86	33.075	26.53		1451.1							
	OBS	00038	- 0.15	33.221	26.70		1442.8							
	OBS	00041	- 0.53	33.211	26.75		1445.2							
	STD	00050	- 0.45	33.43	26.88	00.054	1445.5							
	OBS	00053	- 0.44	33.463	26.51		1446.0							
	OBS	00072	- 0.64	33.526	26.97		1445.5							
	STD	00075	- 0.64	33.55	26.98	00.123	1445.6							
	OBS	00076	- 0.64	33.556	26.99		1445.6							
	OBS	00083	- 0.52	33.650	27.06		1446.4							
	STD	00100	00.41	33.82	27.15	00.148	1451.2							
	OBS	00102	00.85	33.850	27.15		1452.6							
	OBS	00106	01.12	34.010	27.26		1454.6							
	STD	00125	02.08	34.16	27.32	00.164	1459.5							
	OBS	00129	02.10	34.170	27.32		1455.6							
	OBS	00159	02.18	34.210	27.35		1460.1							
	OBS	00137	02.75	34.308	27.37		1453.0							
	STD	00150	03.04	34.34	27.38	00.187	1464.5							
	OBS	00152	03.08	34.360	27.35		1464.6							
	OBS	00163	03.50	34.480	27.46		1465.5							
	OBS	00175	04.06	34.558	27.45		1465.4							
	STD	00200	04.38	34.67	27.51	00.220	1471.3							
	OBS	00201	04.38	34.675	27.51		1471.5							
	OBS	00213	04.33	34.650	27.45		1471.3							
	OBS	00217	04.11	34.658	27.52		1470.4							
	OBS	00228	04.00	34.685	27.55		1470.4							
	STD	00250	03.84	34.65	27.58	00.249	1469.9							
	OBS	00251	03.84	34.650	27.58		1469.5							
	OBS	00256	03.86	34.690	27.58		1470.1							
	OBS	00277	04.43	34.845	27.64		1473.0							
	STD	00300	04.46	34.85	27.64	00.275	1473.5							
	OBS	00300	04.46	34.853	27.64		1473.5							
	OBS	00350	04.72	34.914	27.66		1475.5							
	STD	00400	04.62	34.89	27.66	00.324	1475.9							
	OBS	00405	04.62	34.893	27.66		1476.0							
	OBS	00453	04.54	34.940	27.70		1476.5							
	STD	00500	04.50	34.91	27.68	00.372	1477.1							
	OBS	00502	04.50	34.910	27.68		1477.1							
	OBS	00552	04.45	34.914	27.69		1477.7							
	STD	00600	04.52	34.91	27.70	00.415	1478.0							
	OBS	00601	04.52	34.905	27.70		1478.0							
	OBS	00651	04.31	34.907	27.70		1478.8							
	STD	00700	04.16	34.90	27.71	00.466	1479.0							
	OBS	00700	04.16	34.903	27.71		1479.0							
	OBS	00750	04.15	34.915	27.73		1479.7							
	STD	00800	03.58	34.91	27.74	00.511	1479.9							
	OBS	00803	03.57	34.910	27.74		1479.9							
	OBS	00852	03.82	34.895	27.74		1480.1							
	STD	00900	03.82	34.90	27.75	00.555	1480.9							
	OBS	00902	03.82	34.903	27.75		1480.9							
	OBS	00951	03.83	34.910	27.75		1481.8							
	STD	01000	03.81	34.91	27.76	00.595	1482.5							
	OBS	01001	03.81	34.910	27.76		1482.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOD STATION DATA

REF ID: 31 6305 YEAR: 1973 BOTOP: 02558 AIR TEMP: 06.5 OIA HGT PER: # WIND-DIR: 27 INST STD RECORDER: TEN SQ: 1306  
 CONSEC: 0251 MONTH: 07 SHIP EV: MET DUBL: 08.5 00 0 X WIND-SPO: 10 TRACE DIR: 0 5 SQUARE: 4  
 LAT: 45 17.7N DAY: 02 DATA USE: 1 BAROMETR: 1026.8 SEA: WEATHER: 4 WIND-FOR: DURATION: 2 SQUARE: 46  
 LONG: 047 07.0W HOUR: 20.5 AREA: 05 CLOUD: T/A CL/TR: WEATHER: 4 WIND-FOR: ORIC: 011 436 1 SQUARE: 57

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P <sup>2</sup>	NO2	NO3	SIO3	PH
	STO	00000	07.17	32.66	25.57	00.000	1476.6							
20.5	OBS	00003	07.17	32.657	25.57		1476.7							
	OBS	00007	07.11	32.635	25.57		1476.5							
	STO	00010	06.53	32.64	25.55	00.024	1475.8							
	OBS	00011	06.82	32.658	25.61		1475.4							
	OBS	00015	06.15	32.646	25.70		1472.5							
	STO	00020	05.74	32.68	25.78	00.047	1471.3							
	OBS	00022	04.70	32.760	25.95		1467.4							
	STO	00030	05.56	32.83	26.13	00.066	1462.6							
	OBS	00030	03.47	32.842	26.15		1462.2							
	OBS	00036	01.95	33.075	26.46		1456.0							
	OBS	00041	00.48	33.125	26.58		1449.6							
	OBS	00045	- 0.57	33.201	26.69		1445.8							
	OBS	00049	- 0.45	33.319	26.79		1445.7							
	STO	00050	- 0.41	33.32	26.79	00.100	1445.9							
	OBS	00053	- 0.19	33.322	26.78		1447.0							
	OBS	00060	- 0.14	33.407	26.85		1447.4							
	OBS	00064	- 0.53	33.456	26.90		1446.7							
	OBS	00068	- 0.21	33.457	26.92		1447.4							
	OBS	00071	- 0.52	33.550	26.97		1447.0							
	STO	00075	00.00	33.62	27.01	00.129	1445.1							
	OBS	00076	00.24	33.650	27.03		1445.8							
	OBS	00085	00.62	33.770	27.10		1451.8							
	OBS	00087	01.41	33.827	27.10		1455.5							
	OBS	00091	01.58	33.862	27.11		1456.5							
	STO	00100	02.55	34.05	27.19	00.153	1450.9							
	OBS	00102	02.72	34.058	27.21		1461.5							
	OBS	00114	02.87	34.152	27.27		1462.8							
	OBS	00118	03.17	34.225	27.27		1464.2							
	STO	00125	03.13	34.25	27.30	00.174	1464.2							
	OBS	00125	03.13	34.254	27.30		1464.2							
	OBS	00140	03.41	34.357	27.36		1465.8							
	OBS	00148	03.65	34.506	27.34		1467.1							
	STO	00150	03.68	34.37	27.34	00.193	1467.1							
	OBS	00152	03.66	34.365	27.34		1467.1							
	OBS	00171	02.58	34.330	27.37		1464.4							
	OBS	00175	02.85	34.357	27.41		1463.9							
	OBS	00178	03.14	34.480	27.48		1465.4							
	STO	00200	03.25	34.55	27.52	00.227	1466.3							
	OBS	00204	03.26	34.550	27.52		1466.4							
	OBS	00228	03.52	34.568	27.51		1468.0							
	OBS	00243	03.56	34.670	27.59		1468.6							
	STO	00250	04.11	34.73	27.58	00.255	1471.1							
	OBS	00251	04.17	34.733	27.58		1471.5							
	OBS	00258	04.21	34.728	27.57		1471.6							
	OBS	00277	04.10	34.732	27.58		1471.5							
	OBS	00285	03.92	34.700	27.58		1470.8							
	OBS	00289	03.32	34.660	27.61		1468.3							
	STO	00300	03.20	34.68	27.63	00.281	1468.0							
	OBS	00300	03.20	34.682	27.63		1468.0							
	OBS	00319	03.44	34.705	27.63		1469.4							
	OBS	00327	03.66	34.727	27.63		1470.4							
	OBS	00350	03.70	34.810	27.69		1471.1							
	STO	00400	04.29	34.90	27.70	00.328	1474.5							
	OBS	00403	04.51	34.903	27.70		1474.7							
	OBS	00453	04.53	34.900	27.69		1475.6							
	STO	00500	04.59	34.91	27.70	00.373	1476.6							
	OBS	00502	04.59	34.915	27.70		1476.7							
	OBS	00552	04.39	34.905	27.64		1477.5							
	STO	00600	04.31	34.90	27.65	00.420	1477.9							
	OBS	00601	04.31	34.900	27.70		1477.9							
	OBS	00651	04.22	34.900	27.70		1478.4							
	STO	00700	04.11	34.90	27.72	00.466	1478.7							
	OBS	00700	04.11	34.902	27.72		1478.8							
	OBS	00750	04.04	34.920	27.74		1479.3							
	STO	00800	03.68	34.90	27.74	00.511	1479.4							
	OBS	00803	03.87	34.904	27.74		1479.5							
	OBS	00852	03.81	34.898	27.75		1480.0							
	STO	00900	03.84	34.91	27.75	00.554	1480.6							
	OBS	00932	03.84	34.913	27.76		1481.0							
	OBS	00951	03.85	34.918	27.76		1481.9							
	STO	01000	03.82	34.92	27.76	00.598	1482.6							
	OBS	01001	03.82	34.920	27.76		1482.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8355 YEAR 1973 BOTOP 03407 AIR TEMP 09.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SW 1306  
CGNSEC 0252 MOYTH 07 SHIP EV MET BULB 09.8 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
LAT 45 06.04 DAY 02 DATA USE 1 BARMETR 1026.9 SEA WIND-FDR OURATION 2 SQUARE 46  
LONG 146 42.74 MOJR 23.4 AREA 35 CLOUD T/A CL/TR WEATHER X4 ORIG J11 437 1 SQUARE 56

CASSTN/JR/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TDT P <sup>2</sup>	NO2	NO3	SIO5	PN
23.4	STO	00000	07.51	32.61	25.45	00.000	1477.9							
	085	00003	07.51	32.630	25.49		1478.0							
	085	00007	07.27	32.579	25.53		1477.1							
	STO	00010	07.25	32.66	25.57	00.025	1477.1							
	085	00011	07.24	32.738	25.63		1477.2							
	085	00015	06.02	33.337	25.92		1476.0							
	085	00019	07.08	33.257	26.04		1477.4							
	STO	00020	07.06	33.30	26.09	00.046	1477.4							
	085	00022	07.01	33.368	26.15		1477.3							
	085	00026	06.24	33.259	26.15		1474.2							
	STO	00030	04.24	33.36	26.48	00.064	1466.2							
	085	00030	04.16	33.385	26.51		1465.9							
	085	00034	05.34	33.688	26.62		1471.2							
	085	00038	04.78	33.856	26.82		1469.2							
	085	00041	06.22	34.238	26.94		1475.6							
	STO	00050	06.00	34.22	26.96	00.091	1474.6							
	085	00053	05.91	34.217	26.97		1474.6							
	085	00057	05.80	34.301	27.05		1474.3							
	085	00060	06.10	34.356	27.05		1475.6							
	STO	00075	06.11	34.35	27.05	00.117	1475.9							
	085	00076	06.11	34.353	27.05		1475.9							
	085	00095	05.88	34.375	27.10		1475.2							
	STO	00100	06.38	34.47	27.11	00.143	1477.5							
	085	00102	06.55	34.507	27.11		1478.5							
	085	00110	06.58	34.510	27.11		1478.6							
	085	00121	05.05	34.535	27.16		1472.3							
	STO	00125	05.21	34.35	27.15	00.167	1473.1							
	085	00125	05.24	34.350	27.15		1473.2							
	085	00143	05.94	34.530	27.21		1476.5							
	STO	00150	05.87	34.50	27.20	00.189	1476.4							
	085	00152	05.86	34.500	27.20		1476.4							
	085	00171	05.78	34.510	27.21		1476.4							
	085	00178	04.86	34.362	27.21		1472.5							
	085	00182	04.54	34.358	27.24		1471.3							
	STO	00200	04.06	34.36	27.25	00.232	1465.6							
	085	00201	04.04	34.355	27.25		1469.5							
	085	00213	03.59	34.352	27.29		1469.4							
	085	00220	03.69	34.355	27.33		1468.3							
	085	00224	04.96	34.592	27.38		1474.0							
	085	00228	04.94	34.575	27.37		1474.0							
	085	00236	04.93	34.560	27.36		1474.0							
	085	00239	04.58	34.560	27.40		1472.6							
	085	00243	03.97	34.480	27.40		1470.0							
	085	00247	04.43	34.545	27.40		1472.1							
	STO	00250	04.02	34.49	27.40	00.270	1470.4							
	085	00258	02.88	34.360	27.41		1465.5							
	085	00277	02.23	34.355	27.46		1463.0							
	085	00293	02.56	34.457	27.51		1464.8							
	STO	00300	02.85	34.47	27.50	00.302	1466.2							
	085	00300	02.68	34.478	27.50		1466.3							
	085	00304	02.62	34.506	27.55		1465.3							
	085	00350	03.52	34.692	27.61		1470.2							
	085	00357	03.48	34.775	27.68		1470.3							
	085	00361	03.91	34.826	27.68		1472.2							
	085	00384	04.15	34.856	27.68		1475.6							
	STO	00400	04.47	34.51	27.68	00.357	1475.3							
	085	00403	04.52	34.915	27.68		1475.6							
	085	00453	04.51	34.920	27.69		1476.3							
	STO	00500	04.53	34.90	27.67	00.405	1477.2							
	085	00502	04.53	34.898	27.67		1477.2							
	085	00552	04.29	34.920	27.71		1477.1							
	STO	00600	04.13	34.90	27.71	00.451	1477.2							
	085	00601	04.13	34.900	27.71		1477.2							
	085	00651	04.05	34.907	27.75		1477.7							
	STO	00700	04.15	34.91	27.72	00.497	1476.9							
	085	00700	04.15	34.914	27.72		1478.9							
	085	00750	04.11	34.913	27.75		1479.6							
	STO	00800	04.03	34.91	27.73	00.542	1460.1							
	085	00803	04.03	34.910	27.73		1460.1							
	085	00823	02.46	34.500	27.75		1460.7							
	085	00852	02.46	34.500	27.75		1460.7							
	STO	00900	03.80	34.93	27.77	00.585	1480.8							
	085	00902	03.80	34.930	27.77		1480.8							
	085	00951	03.79	34.907	27.76		1481.6							
	STO	01000	03.74	34.91	27.76	00.628	1482.2							
	085	01001	03.74	34.906	27.76		1482.2							
	085	01005	03.73	34.890	27.75		1482.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

AEFW 31 4030 YEAR 1973 BUPT 0355z AIR TEMP 12.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306  
 CONSEC 0255 MONTH 07 SHIP EV WET EULB 12.4 29 0 2 WIND-SPO 12 TRACE DIR 5 SQUARE 2  
 LAT +4 50.5N DAY 03 DATA USE 1 BAROMTR 1027.3 SEA CL/7R WIND-FOR DURATION 2 SQUARE 46  
 LONG 046 13.3W HOUR 02.6 AREA 05 CLOUD T/A WEATHER A4 ORIG 011 438 1 SQUARE 46

CASSTN/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	WYNOPTH	SNO VEL	DKYG	PO4	TOT P <sub>2</sub>	NO2	NO3	S103	PH
02.0	STO	00000	12.06	32.57	25.03	00.000	1455.1							
	085	00003	12.06	32.974	25.03		1495.2							
	STO	00010	12.04	32.97	25.03	00.029	1495.2							
	085	00011	12.03	32.975	25.03		1495.2							
	085	00015	09.50	32.716	25.27		1485.9							
	085	00016	07.56	32.652	25.51		1478.6							
	STC	00020	06.70	32.70	25.67	00.056	1475.2							
	085	00022	05.31	32.517	26.05		1468.6							
	085	00026	04.57	33.440	26.51		1467.6							
	STO	00030	06.52	33.85	26.63	00.075	1476.2							
	085	00030	06.79	33.956	26.65		1477.4							
	085	00034	08.68	34.517	26.81		1485.4							
	085	00041	10.42	34.910	26.83		1492.5							
	085	00045	10.50	34.910	26.81		1492.8							
	STO	00050	10.21	34.86	26.83	00.101	1491.8							
	085	00053	10.02	34.840	26.84		1491.1							
	085	00060	05.73	34.850	26.90		1490.2							
	085	00064	05.83	34.853	26.89		1490.6							
	085	00068	05.74	34.820	26.88		1490.3							
	STO	00072	06.88	34.855	26.87		1487.0							
	085	00075	08.59	34.860	26.89	00.132	1485.9							
	085	00076	08.50	34.880	26.89		1485.5							
	085	00079	08.31	34.554	26.88		1484.8							
	085	00083	08.36	34.672	26.98		1485.2							
	085	00091	05.39	34.835	26.95		1488.3							
	STO	00100	09.15	34.86	27.00	00.160	1488.7							
	085	00102	09.17	34.866	27.01		1488.8							
	085	00106	08.82	34.753	27.00		1487.5							
	085	00110	08.75	34.822	27.04		1487.3							
	085	00114	09.01	34.907	27.06		1488.5							
	085	00121	05.94	35.120	27.07		1492.4							
	STO	00125	05.62	35.05	27.06	00.187	1491.1							
	085	00125	09.54	35.010	27.06		1490.8							
	085	00133	08.25	34.810	27.11		1485.8							
	085	00137	08.24	34.805	27.10		1485.8							
	085	00140	07.65	34.687	27.10		1483.5							
	085	00148	07.62	34.655	27.11		1483.5							
	STO	00150	07.90	34.76	27.12	00.212	1484.7							
	085	00152	08.27	34.840	27.13		1486.2							
	085	00175	08.09	34.845	27.16		1485.5							
	085	00178	08.06	34.840	27.16		1485.5							
	085	00186	07.29	34.685	27.15		1482.8							
	085	00194	07.26	34.657	27.16		1482.9							
	085	00198	07.75	34.840	27.21		1485.0							
	STO	00200	07.76	34.85	27.21	00.256	1485.1							
	085	00201	07.77	34.850	27.21		1485.2							
	085	00205	07.81	34.880	27.21		1485.4							
	085	00209	08.55	35.040	27.24		1488.5							
	085	00217	08.54	35.040	27.24		1488.6							
	085	00228	06.06	34.565	27.22		1478.5							
	085	00232	05.83	34.530	27.22		1477.6							
	085	00243	06.21	34.710	27.32		1475.5							
	STO	00250	06.98	34.86	27.34	00.301	1482.5							
	085	00251	07.07	34.885	27.34		1483.5							
	085	00255	07.19	34.510	27.34		1483.5							
	085	00262	08.12	35.128	27.38		1487.9							
	085	00270	06.19	35.140	27.37		1488.3							
	085	00281	07.02	34.905	27.36		1483.6							
	085	00285	06.71	34.845	27.36		1482.4							
	STO	00300	06.85	34.52	27.40	00.340	1483.3							
	085	00303	06.87	34.930	27.40		1485.4							
	085	00308	07.18	35.040	27.45		1484.9							
	085	00316	07.21	35.040	27.44		1485.1							
	085	00319	06.65	34.930	27.43		1482.8							
	085	00331	05.71	34.795	27.45		1475.1							
	085	00335	05.70	34.810	27.46		1475.1							
	085	00342	05.36	34.770	27.47		1477.8							
	085	00350	05.47	34.776	27.46		1478.4							
	085	00359	06.21	35.010	27.55		1482.5							
	STO	00400	06.16	35.00	27.55	00.406	1482.3							
	085	00403	05.67	34.510	27.54		1480.3							
	085	00441	05.55	34.898	27.35		1480.4							
	085	00455	05.88	34.970	27.57		1482.0							
	085	00479	05.20	34.907	27.60		1475.6							
	STO	00500	05.25	34.94	27.62	00.464	1480.2							
	085	00502	05.38	34.960	27.62		1481.6							
	085	00574	04.55	34.550	27.65		1480.2							
	STO	00600	04.86	34.95	27.68	00.516	1480.7							
	085	00601	04.58	34.960	27.67		1481.6							
	STO	00700	04.73	34.93	27.67	00.567	1481.4							
	085	00700	04.73	34.930	27.67		1481.4							
	085	00750	04.40	34.507	27.65		1480.8							
	STO	00800	04.26	34.89	27.70	00.617	1481.0							
	085	00800	04.25	34.885	27.70		1481.0							
	085	00856	04.14	34.912	27.72		1481.5							
	STO	00900	04.08	34.91	27.73	00.665	1482.0							
	085	00902	04.08	34.515	27.75		1482.0							
	085	00948	03.55	34.510	27.74		1482.4							
	085	00951	04.00	34.905	27.73		1482.5							
	STO	01000	04.01	34.52	27.74	00.711	1481.5							
	085	01001	04.01	34.520	27.74		1481.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 0355 YEAR 1973 BOTOP J0753 AIR TEMP 11.8 DIR MGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1306  
 CONSEC J054 MONTH 07 SHIP EV WET GULB 11.8 28 0 2 WIND-SPO 11 TRACE OIR 0 5 SQUARE 2  
 LAT 44 35.0N DAY 03 DATA USE 1 SARDMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 045 56.8E HOUR 05.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 DRIG 011 435 1 SQUARE 45

CASRN/JM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PD4	TDT P <sub>2</sub>	NO2	NO3	SIO <sub>3</sub>	PH
05.0	STD	00000	08.30	35.12	25.77	00.000	1481.9							
	085	00003	08.36	35.116	25.77		1481.9							
	085	00007	08.24	33.335	25.96		1481.8							
	STD	00010	08.52	33.58	26.13	00.021	1482.5							
	085	00011	08.36	33.660	26.19		1482.7							
	085	00015	08.46	33.667	26.18		1482.2							
	085	00019	08.12	33.772	26.31		1482.1							
	STD	00020	08.11	33.63	26.36	00.035	1482.1							
	085	00022	08.05	33.625	26.44		1482.1							
	085	00026	07.94	33.935	26.47		1481.7							
	STD	00030	07.18	33.85	26.51	00.055	1478.7							
	085	00030	07.05	33.840	26.51		1478.4							
	085	00034	06.58	34.075	26.77		1476.7							
	085	00038	06.70	34.140	26.80		1477.6							
	085	00041	08.11	34.555	26.93		1482.5							
	085	00045	07.83	34.515	26.94		1482.4							
	STD	00050	07.01	34.35	26.95	00.081	1475.1							
	085	00053	06.46	34.252	26.92		1476.8							
	085	00064	05.07	34.118	26.95		1471.2							
	085	00068	05.06	34.113	26.99		1471.2							
	085	00072	05.51	34.150	27.00		1475.2							
	STD	00075	05.35	34.16	26.99	00.105	1472.6							
	085	00076	05.31	34.160	27.00		1472.4							
	085	00079	05.27	34.185	27.02		1472.3							
	085	00095	05.69	34.328	27.06		1474.6							
	STD	00100	06.07	34.39	27.08	00.135	1476.2							
	085	00102	06.73	34.510	27.05		1475.0							
	085	00106	06.70	34.530	27.11		1479.0							
	085	00114	07.33	34.670	27.13		1461.8							
	STD	00125	07.55	34.72	27.14	00.160	1482.9							
	085	00129	07.55	34.720	27.14		1482.5							
	085	00137	07.44	34.697	27.14		1482.6							
	085	00148	06.76	34.965	27.13		1480.0							
	STD	00150	06.75	34.56	27.13	00.184	1475.9							
	085	00152	06.69	34.565	27.14		1475.8							
	085	00163	06.77	34.615	27.17		1480.3							
	085	00167	06.55	34.560	27.15		1475.4							
	085	00171	06.52	34.573	27.17		1475.4							
	085	00175	06.69	34.660	27.21		1480.3							
	085	00190	06.73	34.692	27.25		1480.7							
	085	00194	07.17	34.877	27.32		1482.7							
	085	00198	08.01	35.030	27.52		1486.3							
	STD	00200	08.04	35.04	27.52	00.228	1486.4							
	085	00201	08.06	35.050	27.52		1486.5							
	085	00213	08.10	35.050	27.52		1486.9							
	085	00228	08.84	34.823	27.33		1461.8							
	085	00232	06.60	34.750	27.33		1481.0							
	085	00236	06.64	34.755	27.33		1481.1							
	085	00243	06.05	34.700	27.33		1475.0							
	STD	00250	06.05	34.72	27.34	00.267	1475.0							
	085	00251	06.01	34.720	27.35		1478.9							
	085	00258	05.53	34.660	27.36		1477.0							
	085	00266	05.87	34.702	27.35		1478.5							
	085	00277	05.75	34.708	27.37		1478.4							
	STD	00300	05.85	34.76	27.40	00.305	1475.1							
	085	00300	05.85	34.758	27.40		1475.1							
	085	00350	05.67	34.840	27.49		1475.3							
	STD	00400	05.58	34.85	27.53	00.372	1475.0							
	085	00403	05.33	34.847	27.54		1476.8							
	085	00411	05.21	34.842	27.55		1478.4							
	085	00422	05.60	34.905	27.55		1480.3							
	085	00455	05.27	34.910	27.59		1475.5							
	STD	00500	05.18	34.91	27.61	00.431	1479.9							
	085	00502	05.17	34.915	27.61		1475.9							
	085	00552	04.57	34.910	27.63		1479.9							
	STD	00600	04.58	34.91	27.62	00.485	1480.7							
	085	00654	05.00	34.97 P	27.670									
	STD	00700	04.84	34.93	27.64	00.540	1481.8							
	085	00700	04.84	34.900	27.64		1481.8							
	085	00750	04.46	34.507	27.68		1481.0							
	STD	00800	04.34	34.91	27.70	00.592	1481.4							
	085	00803	04.53	34.507	27.70		1481.4							
	085	00852	04.30	34.537	27.70		1482.1							
	STD	00900	04.22	34.92	27.72	00.640	1482.6							
	085	00902	04.22	34.917	27.72		1482.6							
	085	00951	04.13	34.932	27.72		1483.0							
	085	00987	04.07	34.930	27.74		1483.6							
	STD	01000	04.07	34.93	27.74	00.687	1483.6							
	085	01001	04.07	34.928	27.74		1483.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REF ID: 11 3555 YEAR: 1973 BOTTOP: 04.066 AIR TEMP: 06.1 DIR MGT PER: WIND-DIR: 26 INST STD RECORDER: TEN SQ 1306  
 CONSEL: 0255 MONTH: 07 SHIP EV: MET BULB: 06.1 WIND-SPD: 15 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 43 58.84 DAY: 03 DATA USE: 1 BAROMETR: 1029.6 SEA CL/7R: WIND-FOR: DURATION: 2 SQUARE: 24  
 LONG: 145 59.20 MDUR: 09.4 AREA: 05 CLOUD: T/A WEATHER: X4 ORIG: DJI 440 1 SQUARE: 35

CAS/NUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	QAYG	PO4	TOT P	NO2	NO3	S103	PH
09.4	STD	00000	16.74	34.01	24.84	00.000	1511.6							
	085	00005	16.74	34.010	24.84		1511.6							
	085	00007	16.77	34.077	24.88		1511.9							
	STD	00010	17.28	34.67	25.21	00.029	1514.1							
	085	00011	17.54	34.934	25.35		1515.3							
	085	00015	18.13	35.355	25.53		1517.5							
	085	00016	18.46	35.582	25.62		1518.8							
	STD	00020	18.20	35.44	25.58	00.055	1517.9							
	085	00022	17.77	35.350	25.61		1516.6							
	085	00024	17.86	35.437	26.03		1517.7							
	STD	00030	17.58	34.11	26.15	00.077	1518.3							
	085	00030	17.59	34.114	26.14		1518.3							
	085	00034	16.78	35.906	26.26		1514.5							
	085	00038	16.38	35.623	26.35		1513.4							
	STD	00050	16.43	34.16	26.57	00.111	1514.1							
	085	00054	16.45	34.216	26.59		1514.2							
	085	00068	16.02	34.170	26.66		1513.1							
	085	00072	15.45	34.003	26.66		1511.2							
	STD	00075	15.20	35.95	26.67	00.147	1510.5							
	085	00076	15.14	35.937	26.68		1510.3							
	085	00081	15.04	35.928	26.70		1510.0							
	085	00087	14.76	35.888	26.73		1509.2							
	085	00099	14.74	35.928	26.76		1509.3							
	STD	00100	14.47	35.91	26.76	00.181	1509.1							
	085	00102	14.45	35.852	26.76		1508.5							
	STD	00125	13.98	35.75	26.75	00.214	1507.1							
	085	00125	13.97	35.753	26.75		1507.1							
	085	00148	13.45	35.708	26.86		1505.8							
	STD	00150	13.43	35.65	26.86	00.246	1505.6							
	085	00155	13.16	35.605	26.85		1504.8							
	085	00182	13.25	35.702	26.90		1505.6							
	STD	00200	13.03	35.64	26.90	00.307	1505.0							
	085	00201	13.01	35.632	26.90		1505.0							
	085	00232	12.82	35.650	26.98		1504.9							
	085	00243	12.53	35.594	26.96		1504.0							
	STD	00250	12.41	35.61	27.00	00.366	1503.7							
	085	00251	12.38	35.607	27.00		1503.7							
	085	00277	11.82	35.530	27.05		1502.1							
	085	00281	11.66	35.510	27.07		1501.6							
	085	00293	11.27	35.400	27.06		1500.2							
	STD	00300	11.14	35.40	27.08	00.421	1499.9							
	085	00300	11.13	35.395	27.08		1499.9							
	085	00306	11.11	35.390	27.08		1499.9							
	085	00312	11.03	35.393	27.09		1499.7							
	085	00323	10.53	35.260	27.08		1497.9							
	085	00327	10.18	35.260	27.14		1496.7							
	085	00338	09.57	35.222	27.15		1496.1							
	085	00350	10.04	35.267	27.17		1496.6							
	STD	00400	09.24	35.18	27.24	00.521	1494.4							
	085	00403	09.19	35.180	27.25		1494.3							
	085	00434	08.79	35.165	27.30		1493.3							
	085	00468	08.24	35.060	27.30		1491.6							
	085	00491	07.97	35.045	27.33		1490.9							
	STD	00500	07.56	34.93	27.31	00.610	1489.4							
	085	00506	07.27	34.895	27.32		1488.3							
	085	00514	06.92	34.854	27.37		1487.0							
	085	00517	06.59	34.830	27.36		1485.7							
	085	00529	06.59	34.875	27.40		1486.0							
	085	00544	06.18	34.884	27.46		1484.6							
	085	00555	05.65	34.833	27.48		1484.0							
	STD	00600	05.76	34.93	27.54	00.685	1484.9							
	085	00654	05.50	35.040	27.62		1485.5							
	085	00666	05.72	35.000	27.61		1484.9							
	085	00670	05.37	34.920	27.59		1483.5							
	STD	00700	05.04	34.91	27.62	00.745	1482.4							
	085	00700	05.04	34.906	27.62		1482.6							
	085	00750	05.11	34.962	27.65		1483.8							
	STD	00800	05.00	34.94	27.65	00.800	1484.2							
	085	00803	04.99	34.943	27.65		1484.2							
	085	00852	04.65	34.917	27.67		1483.5							
	STD	00900	04.60	34.91	27.67	00.854	1484.1							
	085	00902	04.59	34.913	27.67		1484.1							
	085	00951	04.41	34.912	27.69		1484.2							
	STD	01000	04.44	34.91	27.69	00.906	1485.1							
	085	01001	04.44	34.916	27.69		1485.1							
	085	01006	04.44	34.923	27.70		1485.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 8355 YEAR 1973 BOTOP 03546 AIR TEMP 17.0 OIR HGT PER WIND-DIR 27 INST STO RECOROER TEN SG 1306  
 CONSEC 0256 MONTH 07 SHIP EV #ET BULB 17.6 30 1 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 2  
 LAT 44 07.0N DAY 03 DATA USE 1 BAROMETR 1030.3 SEA CL/TR WIND-FOR DURATION 2 SQUARE 46  
 LONG 046 47.2W HOUR 13.5 AREA 05 CLOUD T/A WEATHER #2 ORIG 011 441 1 SQUARE 46

LASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	PQ4	TOT P2	NO2	NO3	S103	PH
13.5	STO	0000W	17.92	35.39	25.61	00.000	1516.7							
	085	00005	17.92	35.386	25.61		1516.8							
	STO	00010	17.80	35.39	25.62	00.024	1516.8							
	085	00011	17.86	35.393	25.63		1516.7							
	085	00019	17.71	35.763	25.95		1516.9							
	STO	00020	17.28	35.78	26.06	00.046	1515.6							
	085	00022	16.43	35.842	26.31		1513.2							
	085	00026	16.14	35.990	26.49		1512.6							
	STO	00030	16.18	36.03	26.51	00.063	1512.8							
	085	00030	16.18	36.030	26.52		1512.8							
	085	00038	16.13	36.040	26.53		1512.8							
	085	00045	15.57	35.944	26.59		1511.1							
	STO	00050	15.49	35.94	26.61	00.093	1510.9							
	085	00053	15.41	35.940	26.62		1510.7							
	085	00057	15.30	35.950	26.65		1510.4							
	085	00060	15.39	36.040	26.70		1510.9							
	STO	00075	14.64	35.92	26.77	00.128	1508.6							
	085	00076	14.55	35.908	26.78		1508.5							
	STO	00100	14.16	35.86	26.84	00.160	1507.4							
	085	00102	14.10	35.850	26.84		1507.2							
	085	00118	13.72	35.740	26.84		1506.1							
	STO	00125	13.56	35.73	26.86	00.191	1505.7							
	085	00125	13.55	35.733	26.87		1505.7							
	STO	00150	13.22	35.74	26.94	00.221	1505.0							
	085	00152	13.15	35.740	26.94		1504.9							
	085	00175	12.97	35.725	26.98		1504.5							
	085	00186	13.16	35.750	26.96		1505.4							
	STO	00200	13.11	35.74	26.96	00.279	1505.4							
	085	00201	13.06	35.735	26.97		1505.3							
	085	00205	12.93	35.727	26.99		1504.9							
	085	00220	12.07	35.490	26.97		1501.9							
	085	00224	11.90	35.440	26.97		1501.4							
	085	00228	11.45	35.340	26.98		1499.7							
	085	00232	10.93	35.255	27.01		1497.9							
	085	00247	10.35	35.240	27.10		1496.0							
	STO	00250	10.84	35.35	27.10	00.354	1498.0							
	085	00251	11.02	35.355	27.10		1498.7							
	085	00258	10.98	35.390	27.10		1498.6							
	085	00289	10.41	35.265	27.11		1497.0							
	STO	00300	09.88	35.15	27.11	00.385	1495.1							
	085	00300	09.84	35.144	27.11		1494.9							
	085	00308	09.40	35.060	27.12		1495.3							
	085	00316	09.08	35.030	27.15		1492.2							
	085	00319	08.47	34.900	27.14		1489.8							
	085	00335	08.45	35.020	27.24		1490.2							
	085	00338	08.06	34.913	27.22		1488.6							
	085	00350	08.13	35.010	27.28		1489.2							
	085	00355	08.35	35.053	27.28		1490.8							
	STO	00400	08.23	35.06	27.30	00.479	1490.4							
	085	00403	08.13	35.060	27.32		1490.1							
	085	00453	07.56	35.040	27.39		1488.7							
	085	00479	07.48	35.058	27.42		1488.9							
	STO	00500	06.89	35.05	27.49	00.556	1486.9							
	085	00502	06.84	35.040	27.45		1486.7							
	085	00514	06.64	35.000	27.49		1486.1							
	085	00517	06.15	34.900	27.48		1484.1							
	085	00552	05.85	34.905	27.52		1483.4							
	085	00555	05.65	34.877	27.52		1482.7							
	085	00567	05.68	34.910	27.54		1482.0							
	085	00578	04.98	34.650	27.58		1480.3							
	STO	00600	04.78	34.83	27.59	00.619	1479.6							
	085	00601	04.77	34.827	27.59		1479.7							
	STO	00700	05.50	34.96	27.60	00.677	1484.5							
	085	00700	05.50	34.960	27.60		1484.6							
	STO	00800	04.88	34.74	27.66	00.753	1485.6							
	085	00803	04.86	34.940	27.67		1485.6							
	085	00852	04.63	34.915	27.67		1483.5							
	STO	00900	04.93	34.92	27.69	00.785	1485.9							
	085	00902	04.93	34.92	27.69		1483.9							
	085	00940	04.50	34.920	27.69		1484.4							
	085	00951	04.43	34.920	27.69		1484.7							
	085	00997	04.55	34.950	27.71		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 11 0355 YEAR 1973 BOTOP 05931 AIR TEMP 15.7 OIR MGT PER WIND-DIR 25 INST STO RECORDER 7EN 54 1506  
 CONSOL 0657 MONTH 07 SHIP EV WET BULB 16.2 00 0 X WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 44 13.44 DAY 03 DATA USE 1 BAROMETR 1029.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 16.34 HOUR 16.3 AREA 05 CLOUD T/A CL/TA WEATHER X4 DRIG 011 442 1 SQUARE 47

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P.	NO2	NO3	S103	PH
16.3	STO	00000	15.11	35.78	25.03	00.000	1506.2							
	065	00003	15.11	35.785	25.03		1506.3							
	085	00007	16.69	35.880	26.28		1513.8							
	STO	00010	16.62	35.90	26.31	00.023	1513.7							
	085	00011	16.57	35.908	26.33		1513.5							
	085	00015	16.42	35.958	26.39		1513.2							
	085	00019	16.60	36.164	26.52		1514.1							
	STO	00020	16.51	36.13	26.51	00.040	1513.8							
	085	00022	16.44	36.101	26.51		1513.6							
	085	00026	16.80	36.242	26.53		1514.9							
	STO	00030	16.71	36.22	26.54	00.055	1514.7							
	085	00030	16.65	36.205	26.54		1514.5							
	085	00034	15.80	35.950	26.54		1511.6							
	085	00041	15.98	36.075	26.60		1512.5							
	085	00045	15.77	36.048	26.62		1511.8							
	085	00049	15.81	36.180	26.72		1512.2							
	STO	00050	15.76	36.16	26.71	00.084	1512.0							
	085	00053	15.46	36.070	26.71		1511.0							
	085	00064	15.30	36.063	26.74		1510.7							
	085	00072	14.82	35.930	26.75		1509.1							
	STO	00075	14.62	35.93	26.79	00.117	1506.5							
	085	00076	14.54	35.928	26.81		1506.3							
	STO	00100	13.97	35.67	26.88	00.148	1506.8							
	085	00102	13.91	35.859	26.89		1506.6							
	STO	00125	13.41	35.74	26.90	00.176	1505.2							
	085	00125	13.40	35.745	26.90		1505.2							
	085	00137	13.28	35.752	26.92		1505.0							
	085	00144	12.79	35.582	26.90		1503.3							
	085	00148	12.72	35.597	26.93		1503.1							
	STO	00150	12.40	35.51	26.93	00.207	1501.9							
	085	00152	11.96	35.355	26.92		1500.3							
	085	00175	10.80	35.098	26.91		1496.3							
	085	00178	10.17	35.022	26.96		1494.3							
	085	00150	09.28	34.910	27.02		1490.7							
	STO	00200	09.22	34.89	27.02	00.264	1490.7							
	085	00201	06.85	34.817	27.02		1489.2							
	085	00205	07.70	34.580	27.01		1484.6							
	085	00209	07.29	34.542	27.04		1483.0							
	085	00213	07.18	34.570	27.08		1482.7							
	085	00217	07.18	34.603	27.10		1482.3							
	085	00224	06.29	34.880	27.16		1487.6							
	085	00228	08.28	34.863	27.14		1487.6							
	085	00239	08.14	34.837	27.14		1487.2							
	085	00243	07.88	34.780	27.14		1486.2							
	STO	00250	07.75	34.82	27.19	00.315	1485.8							
	085	00251	07.73	34.820	27.19		1485.8							
	085	00262	07.76	34.830	27.20		1486.1							
	STO	00300	08.36	35.02	27.26	00.360	1485.3							
	085	00312	08.56	35.050	27.25		1490.2							
	085	00335	08.20	35.050	27.30		1489.3							
	085	00350	07.94	35.005	27.31		1488.5							
	085	00354	07.60	34.930	27.30		1487.1							
	085	00365	05.75	34.657	27.33		1479.6							
	085	00384	05.66	34.763	27.43		1479.7							
	085	00388	05.97	34.844	27.45		1481.1							
	STO	00400	06.36	34.64	27.44	00.440	1481.7							
	085	00405	06.08	34.837	27.43		1481.8							
	085	00453	05.68	34.907	27.54		1481.1							
	STO	00500	05.31	34.90	27.58	00.504	1480.4							
	085	00502	05.29	34.900	27.58		1480.3							
	085	00514	05.39	34.912	27.58		1481.0							
	085	00548	05.15	34.925	27.62		1480.6							
	085	00552	05.18	34.914	27.61		1480.7							
	085	00567	05.18	34.900	27.60		1481.0							
	STO	00600	05.53	34.96	27.60	00.562	1483.0							
	085	00601	05.53	34.960	27.60		1483.0							
	085	00647	05.02	34.910	27.62		1481.6							
	085	00651	04.98	34.917	27.63		1481.6							
	STO	00700	04.85	34.92	27.65	00.617	1481.8							
	085	00704	04.84	34.920	27.65		1481.9							
	085	00759	04.58	34.912	27.67		1482.4							
	STO	00800	04.57	34.91	27.68	00.670	1482.3							
	085	00803	04.53	34.910	27.68		1482.2							
	085	00832	04.42	34.906	27.69		1482.6							
	STO	00900	04.35	34.91	27.65	00.720	1483.3							
	085	00902	04.35	34.910	27.65		1483.3							
	085	00951	04.30	34.930	27.70		1483.7							
	STO	01000	04.22	34.91	27.72	00.770	1484.2							
	085	01008	04.21	34.920	27.72		1484.3							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 0355 YEAR 1973 BOTOP 03571 AIR TEMP 12.0 OTR HGT PER WIND-DIR 24 INST STO RECORDER TEN SW 1506  
 CONSEC 0256 MONTH 07 SHIP EV WET BULB 12.0 DO O A WIND-SPO 12 TRACE OIR 0 5 SQUARE 2  
 LAT 44 21.4N DAY 03 DATA USE 1 BAROMETR 1028.4 SEA CL/TR WIND-FOR 0URATION 2 SQUARE 46  
 LONG 047 44.1W HOUR 19.7 AREA 05 CLOUD T/A WEATHER A4 ORIG 011 443 1 SQUARE 47

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDEPTH	SND VEL	DRYG	P34	TOT P <sup>2</sup>	NO2	NO3	S133	PH
19.7	STD	00000	08.66	32.42	25.17	00.000	1482.1							
	Obs	00035	08.66	32.420	25.17		1482.2							
	Obs	00070	08.66	32.215	25.25		1474.2							
	STD	00100	05.07	32.36	25.62	00.026	1468.0							
	Obs	00111	04.41	32.443	25.74		1465.3							
	Obs	00115	03.64	32.488	25.85		1462.2							
	Obs	00115	03.13	32.527	25.93		1463.1							
	STD	00220	03.05	32.56	25.95	00.046	1459.8							
	Obs	00222	02.82	32.605	26.02		1459.0							
	Obs	00326	02.46	32.620	26.06		1457.5							
	STD	00330	01.57	32.66	26.15	00.068	1453.7							
	Obs	00350	01.45	32.664	26.16		1453.1							
	Obs	00354	00.57	32.737	26.28		1444.3							
	Obs	00356	00.21	32.974	26.46		1440.1							
	Obs	00357	- 0.86	32.986	26.54		1441.1							
	Obs	00355	- 1.43	33.204	26.65		1443.7							
	Obs	00355	- 1.47	33.170	26.71		1443.7							
	STD	00350	- 1.45	33.17	26.71	00.100	1440.6							
	Obs	00355	- 1.55	33.163	26.71		1441.5							
	Obs	00360	- 1.16	33.530	26.83		1442.6							
	Obs	00364	- 0.91	33.368	26.85		1443.9							
	Obs	00372	- 0.75	33.455	26.92		1444.7							
	STD	00375	- 0.50	33.51	26.95	00.131	1446.1							
	Obs	00376	- 0.33	33.537	26.96		1447.1							
	Obs	00375	00.78	33.625	26.98		1452.3							
	Obs	00363	00.83	33.617	26.97		1452.6							
	Obs	00387	03.42	33.597	27.07		1460.5							
	Obs	00359	05.73	34.340	27.05		1474.7							
	STD	00130	05.70	34.53	27.08	00.157	1474.6							
	Obs	00102	05.61	34.258	27.07		1474.3							
	Obs	00106	05.13	34.227	27.07		1472.3							
	Obs	00110	05.10	34.235	27.08		1472.2							
	Obs	00114	05.75	34.470	27.15		1475.3							
	STD	00125	05.51	34.50	27.15	00.181	1476.1							
	Obs	00125	05.52	34.500	27.15		1476.2							
	Obs	00140	05.74	34.497	27.21		1475.7							
	Obs	00148	06.68	34.656	27.24		1475.8							
	STD	00150	06.69	34.70	27.25	00.203	1479.9							
	Obs	00152	06.70	34.710	27.25		1480.0							
	Obs	00175	05.71	34.575	27.27		1476.2							
	STD	00200	05.62	34.70	27.30	00.243	1477.2							
	Obs	00201	05.83	34.707	27.30		1477.3							
	Obs	00205	05.61	34.652	27.30		1476.5							
	Obs	00228	05.64	34.807	27.44		1477.9							
	Obs	00232	05.76	34.795	27.44		1477.7							
	Obs	00236	05.25	34.690	27.42		1475.5							
	STD	00250	05.20	34.64	27.43	00.279	1475.5							
	Obs	00251	05.15	34.657	27.43		1475.5							
	Obs	00266	05.13	34.742	27.48		1475.6							
	Obs	00270	03.77	34.800	27.51		1476.3							
	Obs	00277	05.30	34.800	27.52		1476.6							
	STD	00300	05.03	34.80	27.54	00.311	1475.8							
	Obs	00300	05.02	34.806	27.54		1475.8							
	Obs	00350	04.56	34.505	27.63		1476.5							
	STD	00400	04.54	34.51	27.63	00.367	1477.2							
	Obs	00403	04.53	34.507	27.63		1477.2							
	Obs	00453	04.63	34.513	27.67		1476.8							
	STD	00500	04.55	34.50	27.67	00.417	1477.3							
	Obs	00532	04.53	34.903	27.67		1477.3							
	Obs	00532	04.67	34.517	27.67		1476.6							
	STD	00600	04.54	35.00	27.74	00.463	1479.2							
	Obs	00631	04.59	35.000	27.74		1479.2							
	Obs	00651	04.55	35.000	27.75		1475.8							
	Obs	00638	04.55	35.020	27.76		1480.0							
	Obs	00685	04.12	34.530	27.74		1478.6							
	STD	00700	04.01	34.50	27.73	00.506	1478.3							
	Obs	00700	04.01	34.500	27.73		1478.3							
	Obs	00750	04.17	34.520	27.73		1479.9							
	Obs	00757	04.17	34.900	27.71		1479.9							
	STD	00800	04.14	34.92	27.73	00.551	1480.6							
	Obs	00803	04.15	34.923	27.73		1480.7							
	Obs	00852	03.51	34.897	27.74		1482.4							
	STD	00900	03.78	34.91	27.76	00.596	1480.7							
	Obs	00902	03.78	34.910	27.76		1480.7							
	Obs	00951	03.74	34.522	27.77		1481.6							
	STD	01000	03.79	34.52	27.76	00.635	1482.4							
	Obs	01001	03.79	34.916	27.76		1482.4							
	Obs	01008	03.79	34.518	27.76		1482.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 03305 AIR TEMP 10.8 OIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1306  
 CONSEC 0259 MONTH 07 SHIP EV WET BULB 13.6 OJ W X WIND-SPO 12 TRACE OIR D 5 SQUARE 2  
 LAT 44 29.0N DAY 03 DATA USE 1 BARDMETR 1028.3 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 046 12.7W HOUR 22.6 AREA 05 CLDUD T/A CL/TR WEATHER X4 ORIG 011 444 1 SQUARE 48

CAS	TIME	LVL	DEPT	TEMP	SAL	SIGMA-T	SYN	VEL	DRY	PO4	TOT P	NO2	NO3	SI03	PH
		STD	00000	08.94	32.78	25.41	00.000	1483.6							
22.0		OBS	00005	08.94	32.780	25.41		1483.7							
		OBS	00007	06.59	32.710	25.41		1482.3							
		STD	00010	08.18	32.67	25.44	00.026	1480.7							
		OBS	00011	07.84	32.660	25.48		1479.4							
		OBS	00015	06.56	32.700	25.69		1474.5							
		STD	00020	05.98	32.08	25.75	00.050	1472.2							
		OBS	00022	05.24	32.670	25.80		1465.3							
		OBS	00026	05.77	32.720	26.02		1463.2							
		STD	00030	05.69	32.55	26.35	00.065	1455.4							
		OBS	00034	00.51	33.140	26.60		1445.6							
		OBS	00036	00.19	33.280	26.73		1448.4							
		OBS	00041	00.32	33.330	26.76		1445.1							
		STD	00050	00.18	33.46	26.68	00.098	1448.8							
		OBS	00055	00.16	33.510	26.92		1448.8							
		OBS	00060	00.34	33.680	27.05		1450.1							
		OBS	00072	- 0.01	33.660	27.05		1448.6							
		STD	00075	- 0.12	33.69	27.08	00.125	1448.2							
		OBS	00076	- 0.17	33.710	27.10		1448.0							
		OBS	00080	00.22	33.810	27.16		1450.3							
		OBS	00085	00.29	33.800	27.14		1450.3							
		OBS	00087	00.10	33.820	27.17		1445.6							
		OBS	00091	00.12	33.870	27.21		1449.8							
		OBS	00095	00.78	33.950	27.27		1453.1							
		STD	00100	00.82	33.55	27.27	00.148	1453.3							
		OBS	00102	00.54	34.010	27.28		1453.8							
		STD	00125	01.48	34.22	27.41	00.166	1456.9							
		OBS	00125	01.51	34.230	27.41		1457.1							
		OBS	00157	02.32	34.420	27.53		1461.1							
		OBS	00144	03.26	34.510	27.49		1465.4							
		STD	00150	03.28	34.50	27.48	00.183	1465.6							
		OBS	00152	03.30	34.500	27.48		1465.7							
		OBS	00171	03.86	34.570	27.48		1468.5							
		OBS	00182	04.51	34.700	27.51		1471.6							
		STD	00200	04.35	34.70	27.53	00.213	1471.4							
		OBS	00201	04.38	34.720	27.54		1471.4							
		OBS	00205	04.69	34.840	27.61		1473.0							
		OBS	00213	04.75	34.850	27.59		1473.3							
		OBS	00232	04.48	34.770	27.57		1472.4							
		OBS	00235	04.15	34.710	27.56		1471.0							
		OBS	00247	04.00	34.740	27.59		1470.0							
		STD	00250	04.17	34.77	27.61	00.241	1471.4							
		OBS	00258	04.44	34.850	27.64		1472.8							
		OBS	00278	04.49	34.840	27.63		1473.3							
		OBS	00297	04.32	34.850	27.65		1472.9							
		STD	00300	04.15	34.63	27.65	00.265	1472.4							
		OBS	00312	05.78	34.780	27.66		1470.8							
		OBS	00350	05.55	34.640	27.69		1472.1							
		OBS	00372	04.26	34.91 P	27.710									
		OBS	00360	04.63	34.920	27.68		1475.7							
		STD	00400	04.78	34.92	27.66	00.314	1476.6							
		OBS	00405	04.80	34.920	27.66		1476.7							
		OBS	00445	04.74	34.960	27.65		1477.2							
		OBS	00445	04.47	34.920	27.65		1476.1							
		OBS	00453	04.43	34.920	27.70		1476.0							
		STD	00500	04.20	34.91	27.71	00.360	1475.8							
		OBS	00502	04.20	34.910	27.71		1475.5							
		OBS	00552	04.35	34.910	27.70		1477.3							
		STD	00600	04.34	34.92	27.71	00.405	1476.1							
		OBS	00631	04.34	34.920	27.71		1478.1							
		OBS	00651	04.23	34.910	27.71		1476.4							
		STD	00700	04.08	34.92	27.74	00.450	1478.6							
		OBS	00700	04.08	34.920	27.74		1478.7							
		OBS	00750	04.15	34.90 P	27.710*									
		STD	00800	04.06	34.91	27.73	00.455	1480.2							
		OBS	00803	04.05	34.910	27.73		1480.2							
		OBS	00852	03.82	34.920	27.76		1480.1							
		STD	00900	03.74	34.92	27.77	00.538	1480.6							
		OBS	00902	03.74	34.920	27.77		1480.6							
		OBS	00951	03.71	34.910	27.77		1481.3							
		STD	01000	03.70	34.92	27.77	00.580	1482.0							
		OBS	01001	03.70	34.920	27.78		1482.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1978.—Continued

NODC STATION DATA

REF ID: A 8-55  
CONSEC: J100  
LAT: 4 52.7N  
LONG: 48 47.0W

YEAR: 1978  
MONTH: 07  
DAY: 04  
MOJ: 01.7

BOTDP: J1504  
SHIP EV: 1  
DATA USE: 05  
AREA: 01

AIR TEMP: 10.6  
WET BULB: 10.6  
BAROMETR: 1027.9  
CLOUD T/A: 0

OIR MGT PEA: 00 U X  
SEA: CL/TR

#IND-OIR 23  
WIND-SPD 14  
WIND-FOR: X4  
WEATHER: X4

INST STD RECORDER: 0  
TRACE DIA: 0  
DURATION: 011 445

TEN SQ 1306  
5 SQUARE 2  
2 SQUARE 48  
1 SQUARE 48

CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	ORYG	PO4	TOT Ph	NO2	NO3	SIO3	PH
31.7	STO	00000	06.97	32.32	25.34	00.000	1475.4							
	OBS	00005	06.97	32.320	25.34		1475.5							
	STO	00010	06.01	32.43	25.55	00.025	1471.5							
	OBS	00011	05.83	32.450	25.58		1471.2							
	STO	00020	05.24	32.47	25.67	00.049	1465.0							
	OBS	00022	04.96	32.480	25.71		1467.5							
	STO	00050	04.06	32.65	25.91	00.072	1464.4							
	OBS	00030	04.02	32.630	25.92		1464.2							
	OBS	00034	03.12	32.860	26.19		1460.8							
	OBS	00045	01.65	33.300	26.66		1455.2							
	STO	00050	01.66	33.31	26.67	00.106	1455.5							
	OBS	00053	01.72	33.340	26.69		1455.6							
	OBS	00057	00.63	33.310	26.73		1450.8							
	OBS	00061	00.33	33.330	26.76		1445.5							
	OBS	00064	00.25	33.450	26.87		1445.4							
	OBS	00068	00.61	33.540	26.92		1451.2							
	OBS	00072	00.75	33.540	26.91		1451.9							
	STO	00075	00.63	33.54	26.92	00.138	1451.4							
	OBS	00076	00.58	33.540	26.92		1451.2							
	OBS	00095	00.06	33.720	27.09		1445.4							
	STO	00100	00.17	33.84	27.17	00.164	1450.1							
	OBS	00102	00.27	33.860	27.15		1450.6							
	OBS	00136	00.46	33.690	27.21		1451.6							
	STO	00125	00.75	34.01	27.28	00.185	1453.4							
	OBS	00125	00.76	34.010	27.25		1453.4							
	STO	00150	01.05	34.11	27.35	00.204	1455.3							
	OBS	00152	01.06	34.120	27.35		1455.5							
	OBS	00175	01.53	34.260	27.45		1457.2							
	STO	00200	01.60	34.36	27.49	00.238	1460.2							
	OBS	00201	01.63	34.370	27.49		1460.4							
	OBS	00228	02.23	34.510	27.58		1462.4							
	OBS	00236	02.51	34.550	27.59		1463.8							
	OBS	00243	03.20	34.620	27.59		1467.0							
	STO	00250	03.22	34.62	27.58	00.267	1467.2							
	OBS	00251	03.23	34.620	27.58		1467.2							
	OBS	00270	03.65	34.710	27.61		1469.4							
	OBS	00278	03.70	34.720	27.62		1465.8							
	OBS	00285	03.88	34.820	27.68		1470.9							
	STO	00300	03.80	34.82	27.68	00.251	1470.7							
	OBS	00304	03.79	34.820	27.65		1470.7							
	OBS	00350	04.29	34.860	27.67		1473.7							
	STO	00400	04.52	34.93	27.72	00.335	1474.7							
	OBS	00403	04.32	34.930	27.72		1474.8							
	OBS	00453	04.29	34.930	27.72		1475.4							
	STO	00500	04.25	34.91	27.71	00.374	1476.0							
	OBS	00502	04.25	34.910	27.71		1476.1							
	OBS	00514	04.24	34.900	27.72		1476.2							
	OBS	00517	04.20	34.930	27.71		1476.1							
	OBS	00523	04.20	34.920	27.72		1476.2							
	OBS	00552	04.20	34.920	27.72		1476.7							
	STO	00600	04.15	34.91	27.72	00.423	1477.3							
	OBS	00601	04.15	34.910	27.72		1477.3							
	OBS	00651	04.15	34.920	27.73		1478.1							
	STO	00700	04.11	34.91	27.72	00.466	1478.8							
	OBS	00700	04.11	34.910	27.72		1478.8							
	OBS	00750	04.12	34.920	27.73		1475.6							
	STO	00800	04.08	34.93	27.74	00.512	1480.3							
	OBS	00803	04.08	34.930	27.74		1480.4							
	OBS	00852	04.04	34.930	27.75		1481.0							
	STO	00900	04.00	34.92	27.74	00.557	1481.6							
	OBS	00902	04.00	34.920	27.74		1481.7							
	OBS	00951	03.94	34.920	27.75		1482.2							
	STO	01000	03.78	34.93	27.77	00.601	1482.4							
	OBS	01001	03.78	34.930	27.77		1482.4							
	OBS	01012	03.77	34.930	27.78		1482.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8:55	YEAR 1973	BOIOP 0.158	AIR TEMP 10.2	DIR HGT PER	WIND-DIR 22	INST STO RECORDER	TEN 50 1306
CONSEC 0201	MONTH 07	SHIP EV	WET BULB 10.2	00 0 A	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 31.84	DAY 04	DATA USE 4	BARDCTR 1027.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 50.24	HOUR 03.3	AREA 05	CLOUD T/A	CL/TR	WEATHER A-	ORIG 011 446	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PO4	TGT P	NO2	NO3	S103	PH
	STO	00300	06.86	32.28	25.32	00.000	1474.9							
03.3	085	00303	06.86	32.240	25.32		1475.0							
	085	00307	06.26	32.190	25.33		1472.5							
	STO	00010	05.75	32.27	25.45	00.026	1470.8							
	085	00011	05.53	32.250	25.45		1465.8							
	085	00015	05.18	32.260	25.51		1468.4							
	085	00019	04.43	32.280	25.61		1465.3							
	STO	00020	04.13	32.28	25.64	00.051	1464.1							
	085	00022	03.27	32.340	25.76		1460.5							
	085	00026	02.06	32.550	28.03		1455.6							
	STO	00030	00.70	32.56	26.13	00.072	1449.0							
	085	00030	00.57	32.570	26.14		1445.0							
	085	00038	- 0.60	33.120	26.64		1444.5							
	085	00045	- 1.17	33.150	26.71		1442.1							
	STO	00050	- 1.23	33.26	26.77	00.104	1442.0							
	085	00053	- 1.27	33.300	26.81		1441.5							
	STO	00075	- 1.23	33.53	26.85	00.135	1442.5							
	085	00076	- 1.22	33.530	26.85		1442.6							
	STO	00100	- 1.02	33.50	26.96	00.164	1444.1							
	085	00102	- 1.00	33.510	26.97		1444.3							
	STO	00125	- 0.86	33.54	26.99	00.191	1445.3							
	085	00125	- 0.86	33.540	26.99		1445.4							
	STO	00150	- 0.70	33.64	27.06	00.217	1446.6							
	085	00152	- 0.65	33.650	27.07		1446.7							
	085	00175	- 0.35	33.670	27.38		1447.6							
	STO	00200	- 0.42	33.76	27.15	00.265	1445.0							
	085	00201	- 0.40	33.770	27.15		1445.1							
	085	00228	- 0.35	33.850	27.25		1451.0							
	085	00245	00.47	34.020	27.31		1454.1							
	STO	00250	01.11	34.22	27.43	00.305	1457.4							
	085	00251	01.15	34.230	27.44		1457.8							
	085	00255	01.55	34.230	27.42		1458.5							
	085	00262	01.70	34.240	27.42		1460.2							
	085	00278	01.75	34.310	27.48		1480.8							
	STO	00300	02.39	34.50	27.56	00.335	1464.2							
	085	00300	02.41	34.500	27.56		1464.3							
	085	00353	02.57	34.520	27.56		1485.5							
	STO	00400	05.15	34.70	27.65	00.387	1465.6							
	085	00403	05.23	34.710	27.65		1469.9							
	085	00453	03.61	34.820	27.70		1472.4							
	STO	00500	03.77	34.86	27.72	00.433	1474.0							
	085	00502	03.76	34.860	27.72		1474.0							
	085	00552	03.86	34.850	27.70		1475.2							
	STO	00600	03.83	34.86	27.71	00.477	1475.9							
	085	00601	03.83	34.860	27.71		1475.5							
	085	00654	05.83	34.850	27.71		1476.7							
	STO	00700	03.85	34.88	27.73	00.521	1477.6							
	085	00700	03.85	34.880	27.73		1477.6							
	085	00750	03.85	34.510	27.75		1476.5							
	STO	00800	03.83	34.51	27.75	00.565	1479.2							
	085	00803	03.83	34.510	27.75		1479.3							
	085	00852	03.83	34.910	27.75		1480.1							
	STO	00900	03.86	34.51	27.75	00.608	1481.0							
	085	00902	03.86	34.510	27.75		1481.1							
	085	00951	03.83	34.920	27.76		1481.8							
	STO	01000	03.83	34.52	27.76	00.652	1482.6							
	085	01001	03.83	34.920	27.76		1482.6							
	085	01012	03.83	34.910	27.75		1482.8							

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REFID 31 8:55	YEAR 1973	BOIOP 00278	AIR TEMP 10.1	DIR HGT PER	WIND-DIR 22	INST STO RECORDER	TEN 50 1306
CONSEC 0202	MONTH 07	SHIP EV	WET BULB 10.1	00 0 A	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 44 33.54	DAY 04	DATA USE 1	BARDCTR 1027.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 03.04	HOUR 04.8	AREA 02	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 447	1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STO	00300	06.78	32.43	25.45	00.000	1474.8							
04.8	085	00303	06.78	32.430	25.45		1474.9							
	STO	00010	06.78	32.43	25.44	00.025	1475.0							
	085	00019	06.79	32.420	25.44		1475.1							
	STO	00020	06.52	32.42	25.50	00.051	1473.3							
	085	00026	05.23	32.400	25.82		1460.5							
	STO	00030	01.00	32.69	26.17	00.072	1452.5							
	085	00034	- 0.25	32.860	26.41		1445.7							
	085	00038	- 0.74	32.550	26.51		1445.8							
	STO	00050	- 1.27	33.09	26.63	00.105	1441.6							
	085	00053	- 1.36	33.110	26.85		1441.2							
	STO	00075	- 1.46	33.14	26.68	00.140	1441.2							
	085	00076	- 1.46	33.140	26.68		1441.2							
	085	00087	- 1.48	33.150	26.89		1441.3							
	STO	00100	- 1.46	33.15	26.65	00.174	1441.6							
	085	00102	- 1.46	33.150	26.69		1441.6							
	STO	00125	- 1.44	33.19	26.72	00.207	1442.1							
	085	00125	- 1.44	33.190	26.72		1442.1							
	STO	00150	- 1.35	33.25	26.77	00.240	1443.1							
	085	00152	- 1.34	33.260	26.78		1443.2							
	085	00175	- 1.18	33.340	26.84		1444.4							
	STO	00200	- 0.94	33.47	26.93	00.300	1448.1							
	085	00201	- 0.92	33.480	26.94		1448.3							
	085	00248	- 0.44	33.680	27.08		1449.2							
	STO	00250	00.01	33.75	27.15	00.351	1451.8							
	085	00251	00.05	33.820	27.17		1452.0							
	085	00255	00.20	33.940	27.26		1452.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8555 YEAR 1973 BOTOP 00070 AIR TEMP 11.2 DIR MGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1306  
CONSEC 0265 MCNTH 07 SHIP EV WET BULB 11.2 00 0 X WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
LAT 44 34.0N DAY 04 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 045 09.2W HOUR 05.5 AREA 05 CLOUD I/A CL/TR WEATHER X4 ORIG 011 448 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
05.5	STO	00000	07.52	32.36	25.32	00.000	1476.8							
	OBS	00003	07.52	32.360	25.32		1476.9							
	OBS	00007	06.00	32.400	25.52		1471.8							
	STO	00010	05.74	32.44	25.55	00.025	1470.8							
	OBS	00011	05.60	32.450	25.61		1470.3							
	OBS	00015	05.28	32.430	25.63		1465.0							
	OBS	00019	04.78	32.390	25.66		1466.0							
	STO	00020	04.45	32.35	25.65	00.045	1465.5							
	OBS	00022	03.51	32.270	25.69		1461.5							
	STO	00030	03.64	32.76	26.18	00.070	1450.6							
	OBS	00030	03.77	32.770	26.24		1450.2							
	OBS	00034	00.47	32.740	26.32		1448.6							
	OBS	00036	- 0.16	32.880	26.43		1446.2							
	STO	00050	- 0.77	32.56	26.53	00.102	1445.7							
	OBS	00053	- 0.66	33.000	26.55		1443.3							
	OBS	00072	- 1.01	33.000	26.56		1443.0							

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REFID 31 8555 YEAR 1973 BOTOP 00058 AIR TEMP 12.5 DIR MGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1306  
CONSEC 0264 MCNTH 07 SHIP EV WET BULB 12.5 24 0 Z WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
LAT 44 34.2N DAY 04 DATA USE 1 BAROMETR 1026.9 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 045 20.4W HOUR 06.7 AREA 05 CLOUD I/A CL/TA WEATHER A4 ORIG 011 449 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
06.7	STO	00000	10.47	32.30	24.79	00.000	1486.6							
	OBS	00005	10.47	32.300	24.79		1486.7							
	OBS	00007	10.38	32.280	24.79		1486.4							
	STO	00010	09.68	32.22	24.86	00.031	1485.8							
	OBS	00011	09.22	32.200	24.92		1484.1							
	STO	00020	05.06	32.35	25.43	00.055	1468.1							
	OBS	00021	04.06	32.450	25.78		1464.1							
	OBS	00026	02.57	32.520	25.93		1455.5							
	STO	00030	01.33	32.73	26.23	00.080	1452.7							
	OBS	00034	- 0.15	32.530	26.47		1446.3							
	OBS	00049	- 0.44	33.000	26.53		1445.3							

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REFID 31 8555 YEAR 1973 BOTOP 00250 AIR TEMP 14.2 DIR MGT PER WIND-DIR 23 INST STO RECORDER TEN SQ 1306  
CONSEC 0265 MCNTH 07 SHIP EV WET BULB 13.4 00 0 X WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
LAT 45 50.5N DAY 04 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 28  
LONG 045 15.8W HOUR 11.4 AREA 05 CLOUD I/A CL/TR WEATHER A1 ORIG 011 450 1 SQUARE 39

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
11.4	STO	00000	09.66	32.43	25.02	00.000	1465.6							
	OBS	00003	09.66	32.426	25.02		1465.9							
	OBS	00007	07.99	32.503	25.34		1474.6							
	STO	00010	07.71	32.41	25.31	00.028	1476.0							
	OBS	00011	07.52	32.394	25.35		1477.1							
	OBS	00015	05.46	32.481	25.65		1465.8							
	OBS	00019	04.22	32.586	25.67		1464.8							
	STO	00020	04.12	32.61	25.90	00.052	1464.5							
	OBS	00022	03.94	32.648	25.95		1463.8							
	OBS	00026	03.85	32.640	25.94		1463.7							
	STO	00030	02.72	32.64	26.05	00.072	1458.7							
	OBS	00030	02.59	32.643	26.06		1456.1							
	OBS	00034	02.04	32.644	26.11		1455.8							
	OBS	00038	01.28	32.660	26.17		1452.5							
	OBS	00045	03.32	32.862	26.39		1446.5							
	STO	00050	03.07	32.87	26.41	00.108	1447.5							
	OBS	00053	- 0.10	32.883	26.43		1446.8							
	OBS	00072	- 0.75	32.994	26.54		1444.2							
	STO	00075	- 0.95	33.00	26.55	00.147	1443.4							
	OBS	00076	- 1.02	33.002	26.56		1443.0							
	OBS	00051	- 1.48	33.135	26.68		1441.5							
	STO	00100	- 1.45	33.17	26.70	00.183	1441.6							
	OBS	00102	- 1.44	33.175	26.71		1441.7							
	STO	00125	- 1.36	33.24	26.76	00.214	1442.6							
	OBS	00125	- 1.36	33.246	26.76		1442.6							
	OBS	00140	- 1.27	33.330	26.83		1443.4							
	STO	00150	- 1.16	33.34	26.83	00.247	1444.1							
	OBS	00152	- 1.14	33.345	26.84		1444.2							
	OBS	00175	- 0.94	33.460	26.92		1445.7							
	OBS	00190	- 0.81	33.540	26.98		1446.7							
	OBS	00198	- 0.43	33.625	27.04		1448.7							
	STO	00200	- 0.37	33.65	27.05	00.304	1445.0							
	OBS	00201	- 0.31	33.667	27.07		1445.3							
	OBS	00220	00.37	33.627	27.16		1453.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

H O O C S T A T I O N D A T A

REF ID: A 6555 YEAR: 1973 BOTOP: 0271 AIR TEMP: 16.2 DIR HGT PER WIND-DIR: 03 INST STO RECORDER TEN SO 1306  
 CONSEC: 02cc MONTH: 07 SHIP EV: WET BULB: 15.5 00 0 X WIND-SPD: 14 TRACE DIR: 0 5 SQUARE 2  
 LAT: 43 49.5N DAY: 04 DATA USE: 1 BAROMETR: 1027.8 SEA WIND-FOR: DURATION ORIG: 011 451 2 SQUARE 28  
 LONG: 09 07.2W HOUR: 12.2 AREA: 05 CLOUD: T/A CL/TR WEATHER: A4 1 SQUARE 39

CASSTNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGNA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.2	STO	00000	09.21	32.44	25.10	00.000	1484.2							
	085	00003	09.21	32.438	25.10		1484.2							
	085	00007	06.55	32.424	25.19		1481.8							
	STO	00010	07.56	32.45	25.30	00.028	1475.4							
	085	00011	07.56	32.458	25.36		1478.1							
	085	00015	06.25	32.414	25.51		1472.8							
	085	00016	05.40	32.492	25.67		1469.6							
	STO	00020	05.26	32.50	25.68	00.050	1469.2							
	085	00022	05.03	32.507	25.72		1468.2							
	085	00026	04.50	32.531	25.75		1467.7							
	STO	00030	04.52	32.53	25.75	00.075	1466.2							
	085	00030	04.40	32.526	25.80		1465.7							
	085	00034	03.02	32.595	25.95		1463.0							
	085	00038	02.34	32.686	26.12		1457.2							
	085	00045	00.58	32.855	26.38		1448.8							
	085	00049	00.00	32.567	26.49		1447.3							
	STO	00050	- 0.01	32.57	26.49	00.113	1447.2							
	085	00053	- 0.11	32.558	26.49		1446.8							
	085	00057	- 0.85	32.544	26.50		1443.5							
	085	00060	- 1.16	33.023	26.58		1442.2							
	STO	00075	- 1.45	33.09	26.64	00.150	1441.2							
	085	00076	- 1.44	33.093	26.64		1441.2							
	085	00095	- 1.50	33.125	26.67		1441.3							
	STO	00100	- 1.48	33.14	26.68	00.185	1441.5							
	085	00102	- 1.47	33.145	26.65		1441.6							
	STO	00125	- 1.45	33.15	26.72	00.218	1442.1							
	085	00125	- 1.45	33.191	26.72		1442.1							
	085	00148	- 1.11	33.335	26.83		1444.3							
	STO	00150	- 1.10	33.33	26.82	00.250	1444.3							
	085	00152	- 1.09	33.327	26.82		1444.4							
	085	00163	- 0.95	33.44	26.91		1445.4							
	085	00167	- 0.64	33.516	26.96		1447.0							
	085	00175	- 0.53	33.541	26.97		1447.7							
	STO	00200	00.18	33.73	27.10	00.305	1451.7							
	085	00201	00.36	33.761	27.11		1452.5							
	085	00205	00.80	33.824	27.13		1454.7							
	085	00224	01.54	33.955	27.19		1458.5							
	085	00228	01.54	33.966	27.20		1458.6							
	085	00247	01.62	34.043	27.26		1459.3							
	STO	00250	01.98	34.08	27.26	00.350	1461.0							
	085	00251	02.09	34.093	27.26		1461.6							
	085	00255	02.11	34.098	27.26		1461.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 51 8595 YEAR 1973 BQTOP 03526 AIR TEMP 13.2 OIA HGT PER WIND-DIR 24 INST STO RECORDER TEN SO 1506  
CGNSEC 0207 MCNTH 07 SHIP EV MET BULB 13.2 06 0 2 WIND-SPO 14 TRACE DIR 0 5 SQUARE 2  
LAT 43 53.1N DAY 04 OATA USE 1 BAROMETR 1027.4 SEA WIND-FOR OURATION 2 53JARE 28  
LONG 148 55.8W HOUR 13.3 AREA 05 CLOUD 7/A CL/TA WEATHER 44 ORIG OII 452 1 SQUARE 30

CSTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	ORYG	P04	TOT P	NO2	NO3	STO3	PH
13.3	STD	00000	08.01	32.51	25.22	00.000	1482.8							
	085	00003	08.02	32.510	25.22		1462.8							
	085	00007	07.75	32.550	25.25		1476.0							
	STD	00010	07.37	32.40	25.34	00.027	1477.2							
	085	00011	06.99	32.420	25.41		1475.8							
	085	00015	05.38	32.460	25.64		1465.4							
	085	00019	04.13	32.590	25.72		1464.2							
	STD	00020	03.52	32.46	25.84	00.051	1461.7							
	085	00026	00.79	32.800	26.31		1450.5							
	STD	00030	00.27	32.86	26.39	00.070	1448.0							
	085	00030	00.21	32.870	26.40		1447.8							
	085	00045	- 0.59	32.960	26.52		1442.6							
	085	00049	- 1.23	32.990	26.55		1441.6							
	STD	00050	- 1.24	32.59	26.95	00.101	1441.6							
	085	00059	- 1.28	32.990	26.56		1441.4							
	085	00072	- 1.48	33.100	26.65		1441.0							
	STD	00075	- 1.47	33.11	26.66	00.137	1441.1							
	085	00076	- 1.46	33.110	26.66		1441.1							
	085	00091	- 1.43	33.120	26.66		1441.5							
	085	00095	- 1.20	33.130	26.67		1442.7							
	STD	00100	- 1.23	33.13	26.67	00.172	1442.6							
	085	00102	- 1.25	33.130	26.67		1442.6							
	STD	00125	- 1.42	33.19	26.72	00.206	1442.2							
	085	00125	- 1.42	33.190	26.72		1442.2							
	STD	00150	- 1.30	33.20	26.73	00.239	1443.3							
	085	00152	- 1.25	33.210	26.73		1443.3							
	085	00175	- 1.22	33.350	26.84		1444.2							
	STD	00200	- 0.82	33.53	26.98	00.255	1446.8							
	085	00201	- 0.76	33.550	26.99		1447.1							
	085	00228	00.97	33.870	27.19		1454.1							
	085	00232	00.91	33.950	27.23		1455.8							
	085	00239	02.11	34.170	27.32		1461.6							
	STD	00260	02.28	34.16	27.30	00.345	1462.5							
	085	00251	02.31	34.160	27.30		1462.6							
	085	00255	02.40	34.250	27.35		1463.2							
	085	00266	03.08	34.370	27.40		1466.5							
	085	00281	03.33	34.430	27.42		1467.9							
	085	00284	03.52	34.490	27.45		1468.9							
	085	00297	03.57	34.510	27.46		1469.3							
	STD	00300	03.36	34.52	27.49	00.381	1468.4							
	085	00300	03.31	34.520	27.50		1468.2							
	085	00308	02.92	34.450	27.48		1466.6							
	085	00342	03.39	34.580	27.54		1469.3							
	085	00346	03.06	34.570	27.56		1468.0							
	085	00350	03.05	34.580	27.57		1468.0							
	085	00361	03.20	34.650	27.59		1468.9							
	085	00373	03.55	34.72 P	27.630		1468.9							
	STD	00400	03.67	34.70	27.60	00.439	1471.6							
	085	00403	03.68	34.700	27.60		1471.7							
	085	00453	03.52	34.740	27.61		1473.6							
	STD	00500	04.00	34.77	27.62	00.492	1474.8							
	085	00502	04.00	34.770	27.62		1474.8							
	085	00521	04.00	34.780	27.63		1475.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOJC STATION DATA

REFID 51 0355 YEAR 1973 BOTOP 02580 AIR TEMP 11.6 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1304  
 CONS'G 0204 MONTH 07 SHIP EV WET BULB 11.1 00 0 # WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT +3 51.3N DAY 04 DATA USE 1 BAROMETER 1027.2 SEA WIND-FDR OURATION 2 SQUARE 28  
 LONG 148 43 W HOUR 14.8 AREA 05 CLOUD T/A CL/TR WEATHER 14 ORIG 011 453 1 SQUARE 38

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	ORYG	PC4	TOT P	NO2	NO3	SIO3	PH
14.6	STO	00000	07.06	32.35	25.38	00.000	1475.9							
	085	00005	07.06	32.350	25.38		1475.9							
	085	00007	06.91	32.340	25.41		1473.7							
	STO	00010	05.73	32.37	25.53	00.025	1470.7							
	085	00011	05.39	32.380	25.58		1465.3							
	085	00015	04.91	32.380	25.63		1467.4							
	STO	00020	03.32	32.35	25.93	00.048	1461.0							
	085	00022	02.70	32.630	26.04		1458.5							
	085	00026	02.22	32.700	26.14		1456.5							
	STO	00030	01.60	32.74	26.21	00.068	1453.9							
	085	00030	01.49	32.750	26.23		1453.4							
	085	00034	00.46	32.510	26.42		1445.1							
	085	00045	- 0.84	33.060	26.60		1442.5							
	085	00045	- 0.97	33.080	26.62		1442.9							
	STO	00050	- 0.94	33.09	26.63	00.100	1443.1							
	085	00052	- 0.81	33.140	26.66		1443.8							
	085	00057	- 0.78	33.150	26.67		1444.1							
	085	00064	- 1.25	33.190	26.72		1441.6							
	085	00066	- 1.28	33.260	25.76		1441.6							
	STO	00075	- 1.31	33.32	26.82	00.133	1442.1							
	085	00076	- 1.30	33.320	26.85		1442.2							
	STO	00100	- 0.96	33.52	26.98	00.162	1444.4							
	085	00102	- 0.92	33.540	26.99		1444.7							
	STO	00125	- 0.62	33.66	27.07	00.186	1448.6							
	085	00125	- 0.61	33.659	27.07		1446.7							
	STO	00150	- 0.47	33.68	27.08	00.213	1447.8							
	085	00152	- 0.45	33.680	27.08		1447.5							
	085	00175	- 0.27	33.760	27.14		1445.2							
	STO	00200	- 0.07	33.84	27.20	00.256	1450.6							
	085	00201	- 0.05	33.853	27.20		1450.8							
	085	00228	00.49	34.020	27.31		1453.9							
	STO	00250	00.64	34.32	27.30	00.301	1455.0							
	085	00251	00.66	34.320	27.30		1455.1							
	085	00258	00.43	34.205	27.44		1456.2							
	085	00262	01.20	34.236	27.44		1458.3							
	085	00277	01.70	34.240	27.41		1460.5							
	STO	00300	02.35	34.38	27.49	00.336	1462.5							
	085	00300	02.34	34.380	27.49		1462.5							
	085	00350	02.56	34.670	27.65		1467.8							
	STO	00400	03.38	34.71	27.64	00.391	1470.4							
	085	00403	03.40	34.716	27.64		1470.6							
	085	00453	03.61	34.810	27.70		1472.4							
	STO	00500	03.81	34.84	27.70	00.438	1474.1							
	085	00502	03.82	34.840	27.70		1474.2							
	085	00532	03.87	34.845	27.70		1475.2							
	STO	00600	03.90	34.85	27.73	00.482	1476.2							
	085	00601	03.90	34.850	27.73		1476.2							
	085	00651	03.87	34.510	27.75		1476.9							
	STO	00700	03.83	34.92	27.76	00.525	1477.7							
	085	00700	03.85	34.916	27.76		1477.7							
	085	00750	03.81	34.917	27.76		1478.3							
	STO	00800	03.79	34.92	27.77	00.566	1479.1							
	085	00803	03.79	34.922	27.77		1479.1							
	085	00852	03.75	34.920	27.77		1480.0							
	STO	00900	03.77	34.93	27.78	00.607	1480.7							
	085	00902	03.77	34.930	27.78		1480.7							
	085	00951	03.75	34.920	27.77		1481.4							
	STO	01000	03.77	34.93	27.78	00.645	1482.3							
	085	01001	03.77	34.930	27.78		1482.4							
	STO	01100	03.75	34.92	27.77	00.692	1483.9							
	085	01100	03.75	34.922	27.77		1483.9							
	STO	01200	03.75	34.93	27.78	00.736	1485.6							
	085	01203	03.75	34.930	27.78		1485.7							
	085	01214	03.75	34.937	27.78		1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 8355	YEAR 1973	BOTOP 05187	ATR TEMP 13.0	DIR MGT PER	WIND-DIR 23	INST 570 RECORDER	TEN 54 1506
CONSEC 0209	MONTH 07	SHIP EV	WET BULB 13.0	00 0 X	WIND-SFD 13	TRACE DIR 0	5 SQUARE 2
LAT 43 53 N	DAY 04	DATA USE 1	BAROMETR 1027.9	SEA	WIND-FOR	DURATION	2 SQUARE 28
LONG 048 27.2 W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER 44	DRIG 011 454	1 SQUARE 38

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGNA-T	DTMOPHT	SND VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
17.1	STO	00000	07.55	32.42	25.33	00.000	1477.8							
	085	00033	07.55	32.418	25.33		1477.9							
	STO	00066	06.30	31.41	25.49	00.026	1473.0							
	085	00011	06.10	32.403	25.51		1472.2							
	085	00015	05.71	32.437	25.55		1473.8							
	STO	00020	05.40	32.48	25.66	00.050	1465.6							
	085	00022	05.17	32.505	25.71		1468.8							
	STO	00030	04.38	31.60	25.66	00.072	1465.7							
	085	00030	04.31	32.606	25.88		1463.4							
	085	00034	03.76	32.670	25.98		1463.3							
	085	00038	02.68	32.800	26.16		1460.2							
	085	00045	01.86	32.587	26.35		1455.7							
	STO	00050	01.75	32.495	26.44	00.110	1455.2							
	085	00053	00.67	33.057	26.51		1451.5							
	065	00057	- 0.07	33.206	26.68		1447.4							
	085	00064	- 0.77	33.325	26.81		1444.5							
	STO	00075	- 0.99	33.33	26.82	00.146	1443.6							
	085	00076	- 1.01	33.336	26.83		1443.6							
	085	00083	- 1.07	33.466	26.93		1443.6							
	STO	00100	- 0.96	33.53	26.96	00.175	1444.5							
	085	00102	- 0.63	33.544	26.95		1444.7							
	STO	00125	- 0.59	33.68	27.09	00.201	1446.8							
	085	00125	- 0.58	33.681	27.09		1446.9							
	STO	00150	- 0.25	33.82	27.18	00.224	1445.0							
	085	00152	- 0.17	33.832	27.19		1445.4							
	085	00159	00.16	33.885	27.22		1451.1							
	085	00175	00.39	33.982	27.25		1452.5							
	STO	00200	01.25	34.14	27.36	00.265	1457.1							
	085	00213	01.55	34.157	27.38		1456.7							
	085	00228	01.76	34.240	27.40		1459.9							
	STO	00250	01.88	34.36	27.49	00.298	1461.0							
	065	00251	01.89	34.367	27.50		1461.0							
	065	00277	02.33	34.487	27.56		1463.6							
	STO	00300	02.50	34.50	27.55	00.328	1464.7							
	085	00300	02.51	34.504	27.55		1464.8							
	085	00316	02.76	34.680	27.67		1466.3							
	085	00316	03.06	34.700	27.66		1467.7							
	085	00350	03.41	34.718	27.64		1465.7							
	STO	00400	03.87	34.82	27.68	00.379	1471.6							
	085	00403	03.89	34.822	27.68		1472.8							
	085	00485	04.03	34.850	27.69		1474.2							
	STO	00500	04.03	34.87	27.70	00.425	1475.1							
	085	00502	04.04	34.870	27.70		1475.1							
	085	00552	04.40	34.922	27.70		1477.5							
	STO	00600	04.50	34.92	27.69	00.471	1478.7							
	085	00601	04.50	34.925	27.65		1478.8							
	085	00651	04.42	34.922	27.70		1479.3							
	STO	00700	04.32	34.92	27.71	00.518	1475.6							
	085	00700	04.32	34.920	27.71		1479.7							
	085	00750	04.25	34.920	27.71		1480.4							
	STO	00800	04.14	34.92	27.72	00.565	1480.5							
	085	00805	04.22	34.920	27.72		1480.9							
	085	00852	04.15	34.910	27.72		1481.5							
	STO	00900	04.03	34.92	27.74	00.611	1481.8							
	085	00902	04.03	34.917	27.74		1481.8							
	085	00951	04.03	34.925	27.74		1482.6							
	STO	01000	04.00	34.91	27.74	00.657	1483.3							
	085	01001	04.00	34.910	27.74		1483.3							
	STO	01100	03.53	34.92	27.75	00.703	1484.7							
	085	01100	03.93	34.917	27.75		1484.7							
	STO	01200	03.86	34.93	27.77	00.745	1486.1							
	085	01200	03.86	34.930	27.77		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFIG 01 0355 Yc49 1573 BOTOP 03252 AIR TEMP 15.2 UIR MGT PER WIND-DIR 25 INST STO RECORDER TEM SW 150c  
 CONSEC 0270 MONTH 07 SHIP EV WET BULB 15.2 00 0 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 43 50.84 DAY 04 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 1484.6  
 LONG 048 12.7W MOJR 18.8 AREA 05 CLOUD 7/A CL/TR WEATHER X4 ORIG 011 455 1 SQUARE 58

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SWD VEL	OKYG	PO4	TOT P	NO2	NO3	S103	PH
	STO	00000	06.76	32.39	25.14	00.000	1482.5							
10.0	OBS	00003	08.78	32.393	25.14		1482.6							
	OBS	00007	07.59	32.241	25.19		1477.9							
	STO	00010	06.09	32.25	25.32	00.006	1474.4							
	OBS	00011	06.10	32.260	25.40		1474.3							
	OBS	00015	02.51	32.400	25.91		1454.1							
	STO	00020	01.23	32.55	26.00	00.001	1450.2							
	OBS	00022	00.74	32.670	26.21		1449.8							
	OBS	00026	- 3.26	32.877	26.43		1445.6							
	STO	00030	- 0.45	32.95	26.50	00.065	1444.9							
	OBS	00030	- 0.48	32.960	26.50		1444.7							
	OBS	00034	- 0.70	32.976	26.53		1443.8							
	OBS	00038	- 1.23	33.018	26.58		1441.4							
	STO	00050	- 1.37	33.11	26.65	00.098	1441.1							
	OBS	00053	- 1.40	33.124	26.67		1441.0							
	OBS	00060	- 1.45	33.143	26.68		1441.0							
	OBS	00068	- 1.35	33.182	26.71		1441.4							
	OBS	00072	- 1.06	33.195	26.71		1443.1							
	STO	00075	- 1.03	33.225	26.74	00.132	1443.3							
	OBS	00076	- 1.02	33.248	26.76		1443.4							
	OBS	00085	- 1.02	33.472	26.94		1444.0							
	OBS	00099	04.54	33.646	27.01		1451.5							
	STO	00100	00.64	33.65	27.01	00.161	1452.0							
	OBS	00102	00.91	33.680	27.01		1453.3							
	OBS	00106	02.63	33.880	27.05		1461.2							
	OBS	00114	03.14	33.936	27.05		1463.6							
	OBS	00121	04.42	34.140	27.08		1465.5							
	STO	00125	04.83	34.21	27.09	00.187	1471.3							
	OBS	00125	04.85	34.220	27.09		1471.6							
	OBS	00140	05.05	34.225	27.08		1472.5							
	OBS	00148	05.35	34.367	27.15		1474.0							
	STO	00150	05.36	34.36	27.15	00.211	1474.1							
	OBS	00152	05.37	34.360	27.15		1474.2							
	OBS	00171	05.32	34.383	27.17		1474.3							
	OBS	00175	05.05	34.335	27.16		1473.2							
	OBS	00178	04.55	34.370	27.20		1472.9							
	OBS	00186	05.20	34.490	27.27		1474.2							
	STO	00200	05.30	34.51	27.27	00.256	1474.9							
	OBS	00201	05.30	34.513	27.28		1474.9							
	OBS	00228	05.05	34.550	27.33		1474.4							
	OBS	00243	04.61	34.507	27.35		1472.8							
	STO	00250	05.25	34.66	27.40	00.294	1475.7							
	OBS	00251	05.34	34.680	27.40		1476.1							
	OBS	00255	05.53	34.705	27.40		1477.0							
	OBS	00277	05.50	34.713	27.41		1477.2							
	STO	00300	05.45	34.83	27.51	00.328	1477.6							
	OBS	00300	05.45	34.830	27.51		1477.6							
	OBS	00304	05.54	34.845	27.51		1477.9							
	OBS	00319	05.61	34.907	27.52		1479.4							
	OBS	00350	05.23	34.860	27.56		1477.5							
	STO	00400	05.08	34.93	27.63	00.385	1477.8							
	OBS	00405	05.07	34.930	27.63		1477.9							
	OBS	00453	05.04	34.914	27.62		1478.5							
	STO	00500	04.86	34.91	27.64	00.437	1478.0							
	OBS	00502	04.86	34.912	27.64		1478.6							
	OBS	00552	04.86	34.940	27.67		1479.5							
	STO	00600	04.61	34.92	27.68	00.487	1479.2							
	OBS	00601	04.60	34.918	27.68		1475.2							
	OBS	00651	04.46	34.912	27.65		1475.4							
	STO	00700	04.46	34.92	27.70	00.536	1480.2							
	OBS	00700	04.46	34.923	27.70		1480.2							
	OBS	00750	04.34	34.915	27.70		1480.6							
	STO	00800	04.25	34.92	27.72	00.584	1481.0							
	OBS	00803	04.25	34.920	27.72		1481.1							
	OBS	00852	04.24	34.922	27.72		1481.9							
	STO	00900	04.21	34.92	27.72	00.631	1482.5							
	OBS	00902	04.21	34.920	27.72		1482.5							
	OBS	00951	04.15	34.910	27.72		1485.0							
	STO	01000	04.05	34.91	27.73	00.678	1483.4							
	OBS	01001	04.05	34.910	27.73		1483.4							
	STO	01100	03.91	34.93	27.77	00.724	1484.6							
	OBS	01100	03.91	34.935	27.77		1484.6							
	STO	01200	03.85	34.93	27.77	00.768	1486.0							
	OBS	01203	03.85	34.934	27.77		1486.1							
	OBS	01206	03.86	34.927	27.76		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 8:55	YEAR 1973	60TOP 35035	AIR TEMP 16.4	DIR MGT PER	WIND-OIR 24	INST STO RECORDER	TEN SQ 1506
CONSEC 0271	MONTH 07	SNIP EV	WET BULB 15.5	00 0 X	WIND-SPO 14	TRACE OIR 0	5 SQUARE 2
LAT 43 50 N	DAY 04	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 047 59.2W	HOOR 20.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 456	1 SQUARE 37

CASTNUM/TIME	LVLTY P	DEP TH	TEMP	SAL	SIGMA-T	OVNPTM	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	P4
20.c	ST0	00000	13.70	32.59	24.72	00.000	1500.7							
	085	00003	13.70	32.992	24.72		1500.8							
	ST0	00010	13.57	33.21	24.92	00.031	1500.7							
	085	00011	13.54	33.216	24.92		1500.6							
	085	00015	12.55	33.144	25.06		1497.3							
	085	00015	11.53	33.713	25.73		1493.8							
	ST0	00020	11.22	33.78	25.81	00.056	1493.5							
	085	00022	10.51	33.838	25.88		1492.5							
	085	00026	08.87	33.438	25.94		1484.6							
	ST0	00030	06.40	33.70	26.22	00.078	1483.3							
	085	00030	08.27	33.718	26.25		1482.8							
	085	00034	06.75	33.608	26.38		1476.8							
	085	00038	06.84	34.000	26.67		1477.7							
	085	00041	06.80	34.020	26.69		1477.9							
	085	00045	08.83	34.726	26.55		1466.5							
	ST0	00050	05.54	34.89	26.96	00.107	1485.4							
	085	00053	05.60	34.910	26.97		1485.7							
	085	00064	06.59	34.347	26.98		1477.6							
	ST0	00075	06.40	34.35	27.01	00.134	1477.1							
	085	00076	06.38	34.350	27.01		1477.0							
	085	00091	06.87	34.510	27.07		1479.4							
	085	00095	07.61	34.654	27.11		1482.6							
	ST0	00100	07.61	34.65	27.11	00.160	1482.7							
	085	00102	07.62	34.650	27.11		1482.7							
	085	00110	07.67	34.700	27.11		1483.1							
	085	00114	07.04	34.573	27.10		1480.5							
	ST0	00125	06.91	34.57	27.11	00.184	1480.2							
	085	00125	06.50	34.570	27.11		1480.2							
	ST0	00150	06.91	34.55	27.13	00.205	1480.6							
	085	00156	06.51	34.590	27.13		1480.7							
	085	00183	06.70	34.370	27.14		1480.0							
	085	00167	06.83	34.580	27.13		1480.6							
	085	00175	06.74	34.580	27.14		1480.3							
	ST0	00200	06.05	34.57	27.23	00.255	1478.0							
	085	00201	06.04	34.570	27.23		1478.0							
	085	00205	06.04	34.560	27.24		1478.1							
	085	00205	06.54	34.730	27.25		1480.3							
	085	00213	06.54	34.720	27.28		1483.4							
	085	00217	06.34	34.700	27.29		1479.6							
	085	00226	06.29	34.694	27.29		1475.6							
	085	00243	05.98	34.692	27.33		1478.6							
	ST0	00250	06.11	34.71	27.33	00.297	1475.3							
	085	00251	06.13	34.715	27.33		1475.4							
	085	00277	03.82	34.710	27.57		1478.5							
	085	00293	05.50	34.760	27.35		1475.4							
	ST0	00300	05.73	34.73	27.39	00.335	1478.5							
	085	00300	05.70	34.723	27.35		1478.4							
	085	00331	05.05	34.700	27.45		1476.3							
	085	00350	05.43	34.665	27.54		1478.4							
	085	00354	05.70	34.920	27.55		1475.6							
	ST0	00400	05.57	34.92	27.57	00.401	1475.6							
	085	00403	05.50	34.522	27.57		1479.8							
	085	00453	05.45	34.517	27.58		1480.2							
	085	00456	05.40	34.523	27.55		1480.1							
	ST0	00500	05.70	34.96	27.59	00.455	1482.1							
	085	00502	05.71	34.980	27.59		1482.2							
	085	00552	05.60	34.980	27.61		1482.5							
	ST0	00600	05.10	34.58	27.66	00.513	1481.5							
	085	00601	05.15	34.580	27.66		1481.5							
	085	00651	05.12	34.590	27.67		1482.2							
	ST0	00700	04.88	34.97	27.69	00.563	1482.0							
	085	00700	04.88	34.970	27.69		1482.0							
	ST0	00800	04.45	34.54	27.71	00.612	1482.0							
	085	00803	04.45	34.54	27.71		1482.1							
	ST0	00900	04.45	34.53	27.70	00.661	1483.5							
	085	00902	04.45	34.930	27.70		1483.6							
	085	00951	04.36	34.930	27.71		1484.0							
	ST0	01000	04.34	34.54	27.72	00.710	1484.8							
	085	01001	04.34	34.540	27.72		1484.8							
	ST0	01100	04.03	34.92	27.74	00.758	1485.1							
	085	01100	04.03	34.923	27.74		1485.1							
	ST0	01200	04.00	34.51	27.74	00.806	1486.6							
	085	01200	03.58	34.912	27.74		1486.6							
	085	01206	03.55	34.915	27.75		1486.5							
	085	01225	03.96	34.518	27.75		1486.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 8555	YEAR 1973	BOTDP 05840	AIR TEMP 15.5	DIR HGT PEP	WIND-DIR 22	INST STO RECORDER	TEM SU 1306
CONSEC 0272	MONTH 07	SHIP EV	WET BULB 15.5	DIR D X	WIND-SPD 10	TRACE DIR 0	S SQUARE 2
LAT 45 49.4N	DAY 04	DATA USE 1	BAROMETR 1028.2	SEA	WIND-FOR	DURATION	2 SQUARE 26
LONG 047 44.4W	MOUR 22.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG OLI 457	1 SQUARE 37

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
	STO	00000	14.04	32.46	24.24	00.000	1501.2							
22.8	OBS	00007	14.04	32.463	24.24		1501.3							
	STO	00010	11.62	32.65	24.80	00.034	1493.4							
	OBS	00011	10.58	32.731	25.11		1489.8							
	OBS	00019	09.64	32.855	25.36		1486.6							
	STO	00020	09.30	32.62	25.38	00.063	1485.6							
	OBS	00022	08.38	32.765	25.50		1481.9							
	OBS	00026	06.50	32.898	25.84		1475.0							
	STO	00030	05.26	33.04	26.12	00.085	1470.0							
	OBS	00030	05.12	33.057	26.15		1465.4							
	OBS	00034	04.53	33.145	26.28		1467.1							
	OBS	00045	03.21	33.314	26.54		1462.0							
	STO	00050	03.38	33.40	26.60	00.115	1462.9							
	OBS	00053	03.51	33.596	26.74		1463.8							
	OBS	00057	04.44	33.948	26.87		1470.3							
	OBS	00060	05.45	34.018	26.86		1472.7							
	OBS	00064	05.61	34.075	26.89		1473.3							
	OBS	00068	05.95	34.153	26.91		1474.9							
	STO	00075	06.04	34.21	26.94	00.151	1475.4							
	OBS	00076	06.07	34.215	26.95		1475.6							
	OBS	00083	06.35	34.278	26.96		1476.9							
	STO	00100	06.55	34.42	27.07	00.178	1477.4							
	OBS	00104	06.54	34.467	27.08		1478.2							
	OBS	00106	06.88	34.537	27.09		1475.7							
	STO	00125	07.20	34.57	27.07	00.203	1481.3							
	OBS	00125	07.20	34.570	27.07		1481.3							
	OBS	00133	07.15	34.560	27.07		1481.2							
	OBS	00137	06.63	34.460	27.07		1475.1							
	OBS	00140	06.59	34.460	27.07		1475.0							
	STO	00150	07.24	34.61	27.10	00.228	1482.0							
	OBS	00152	07.41	34.645	27.10		1482.7							
	OBS	00156	06.68	34.520	27.11		1479.7							
	OBS	00159	06.65	34.550	27.13		1479.7							
	OBS	00163	06.13	34.480	27.15		1477.6							
	OBS	00167	06.10	34.493	27.16		1477.6							
	OBS	00171	06.31	34.560	27.19		1478.6							
	OBS	00175	06.00	34.507	27.18		1477.5							
	OBS	00186	06.16	34.515	27.17		1478.1							
	OBS	00190	05.80	34.487	27.15		1476.7							
	OBS	00194	05.75	34.480	27.20		1476.5							
	OBS	00198	04.01	34.580	27.24		1477.6							
	STO	00200	06.24	34.57	27.25	00.275	1476.0							
	OBS	00201	06.07	34.570	27.23		1478.1							
	OBS	00205	05.36	34.465	27.23		1475.2							
	OBS	00217	05.38	34.482	27.24		1475.4							
	OBS	00220	05.75	34.570	27.27		1477.1							
	OBS	00224	05.74	34.577	27.27		1477.2							
	OBS	00232	06.51	34.730	27.32		1475.8							
	OBS	00247	06.27	34.715	27.31		1479.8							
	STO	00250	06.62	34.87	27.39	00.316	1481.5							
	OBS	00251	06.75	34.930	27.41		1482.3							
	OBS	00258	07.67	35.070	27.40		1486.0							
	OBS	00270	06.85	34.925	27.40		1482.6							
	OBS	00277	06.62	34.922	27.40		1482.6							
	OBS	00281	06.48	34.660	27.40		1481.4							
	OBS	00285	06.43	34.850	27.40		1481.3							
	OBS	00293	06.15	34.815	27.41		1480.2							
	STO	00300	05.60	34.72	27.41	00.352	1478.0							
	OBS	00300	05.56	34.717	27.41		1477.9							
	OBS	00312	05.55	34.655	27.41		1477.2							
	OBS	00346	05.46	34.830	27.51		1478.4							
	OBS	00354	05.63	34.850	27.50		1475.2							
	OBS	00380	06.14	34.930	27.50		1481.8							
	STO	00400	05.55	34.93	27.58	00.417	1479.8							
	OBS	00403	05.48	34.932	27.59		1479.5							
	OBS	00453	05.67	34.950	27.58		1481.1							
	STO	00500	05.16	34.92	27.62	00.473	1475.8							
	OBS	00502	05.15	34.920	27.62		1479.8							
	OBS	00552	05.25	34.960	27.64		1481.1							
	STO	00600	04.83	34.93	27.66	00.526	1480.1							
	OBS	00601	04.82	34.932	27.66		1480.1							
	OBS	00651	04.65	34.925	27.68		1460.2							
	STO	00700	04.46	34.91	27.69	00.576	1480.2							
	OBS	00700	04.46	34.912	27.69		1480.2							
	OBS	00750	04.41	34.923	27.70		1460.5							
	STO	00800	04.39	34.92	27.70	00.625	1481.6							
	OBS	00803	04.59	34.915	27.70		1481.6							
	OBS	00856	04.26	34.916	27.71		1462.0							
	STO	00900	04.16	34.92	27.73	00.672	1482.3							
	OBS	00902	04.16	34.922	27.73		1482.3							
	OBS	00951	04.07	34.930	27.74		1482.6							
	STO	01000	04.06	34.92	27.74	00.715	1483.6							
	OBS	01001	04.06	34.928	27.74		1483.6							
	STO	01100	03.91	34.95	27.76	00.764	1484.6							
	OBS	01100	03.91	34.935	27.76		1484.6							
	STO	01200	03.82	34.93	27.77	00.809	1485.9							
	OBS	01203	03.82	34.927	27.77		1485.9							
	OBS	01206	03.84	34.952	27.77		1466.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8555 YEAR 1973 STJTOP J3008 AIR TEMP 15.4 DIR MGT PER WIND-DIR 23 INST STD RECORDER TEN SU 1306  
 CONSEC 0273 MONTH 07 SHIP EV WET BULB 15.0 DJ 0 X WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 31 N DAY 05 DATA USE 1 SEA CL/TR WIND-FOR DURATION 2 2 SQUARE 46  
 LONG 047 43 W HOUR 00.7 AREA 03 CLOUD T/A WEATHER X4 ORIG 011 458 1 SQUARE 47

CASNUM/IME	LVLTYP	DEPTH	TEMP	SAL	SIGNA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.7	STD	00000	14.36	32.58	24.27	00.000	1502.4							
	085	00003	14.36	32.585	24.27		1502.4							
	085	00007	13.87	32.457	24.30		1500.8							
	STD	00010	12.47	32.44	24.54	00.035	1496.0							
	085	00011	11.72	32.403	24.85		1493.4							
	085	00015	09.97	32.753	25.23		1487.6							
	085	00019	10.06	32.838	25.28		1486.1							
	STD	00020	09.84	32.85	25.31	00.066	1487.4							
	085	00022	09.18	32.822	25.41		1484.9							
	085	00026	08.14	32.651	25.46		1480.9							
	STD	00030	06.72	32.90	25.82	00.090	1475.7							
	085	00030	06.55	32.922	25.87		1475.0							
	085	00038	04.98	33.110	26.20		1469.0							
	085	00041	04.52	33.136	26.27		1467.2							
	STD	00049	04.17	33.568	26.65		1466.5							
	085	00050	04.17	33.63	26.68	00.126	1466.5							
	085	00053	04.19	33.763	26.81		1466.5							
	085	00057	04.57	33.895	26.87		1466.7							
	085	00060	05.15	34.144	27.00		1471.4							
	085	00064	05.55	34.192	26.95		1473.3							
	085	00068	05.17	34.128	26.59		1471.7							
	085	00072	05.80	34.249	27.01		1474.5							
	STD	00075	05.95	34.29	27.02	00.156	1475.1							
	085	00076	06.05	34.320	27.03		1475.6							
	085	00076	06.77	34.503	27.06		1476.8							
	085	00067	06.96	34.506	27.06		1475.7							
	STD	00100	07.31	34.68	27.07	00.182	1483.4							
	085	00102	07.55	34.710	27.07		1484.0							
	STD	00125	08.39	34.68	27.14	00.207	1486.3							
	085	00125	08.40	34.883	27.14		1486.4							
	085	00137	08.46	34.888	27.14		1486.8							
	085	00144	07.36	34.650	27.14		1482.4							
	STD	00150	07.38	34.70	27.15	00.231	1482.6							
	085	00152	07.39	34.708	27.15		1482.7							
	085	00171	07.43	34.720	27.16		1483.2							
	085	00175	06.89	34.622	27.16		1481.0							
	085	00178	06.08	34.520	27.18		1477.7							
	085	00190	05.58	34.527	27.20		1477.5							
	085	00194	05.34	34.407	27.19		1474.8							
	STD	00200	05.43	34.47	27.22	00.276	1475.3							
	085	00201	05.48	34.485	27.23		1475.6							
	085	00209	05.84	34.560	27.25		1477.3							
	085	00217	05.74	34.560	27.26		1477.0							
	085	00224	05.53	34.550	27.26		1477.9							
	085	00228	05.75	34.570	27.27		1477.2							
	085	00236	05.45	34.370	27.30		1476.2							
	STD	00250	05.55	34.57	27.29	00.319	1476.8							
	085	00254	05.56	34.573	27.29		1476.9							
	085	00277	05.69	34.744	27.41		1478.1							
	085	00285	06.35	34.645	27.41		1481.0							
	085	00297	06.73	34.910	27.41		1482.7							
	STD	00300	06.68	34.51	27.41	00.358	1482.6							
	085	00304	06.62	34.513	27.42		1482.4							
	085	00316	06.49	34.920	27.45		1482.1							
	085	00323	06.47	34.510	27.44		1482.2							
	085	00350	05.61	34.852	27.51		1479.1							
	085	00354	05.62	34.855	27.51		1479.2							
	085	00376	06.37	34.980	27.51		1482.7							
	STD	00400	06.02	35.01	27.58	00.425	1481.8							
	085	00403	05.97	35.010	27.59		1481.6							
	085	00407	05.55	35.035	27.58		1481.7							
	085	00411	05.37	34.920	27.56		1480.0							
	085	00435	05.46	34.510	27.57		1480.2							
	STD	00500	05.42	34.98	27.63	00.479	1480.9							
	085	00552	05.36	34.580	27.64		1481.6							
	085	00565	04.84	34.530	27.66		1480.1							
	STD	00600	04.76	34.55	27.67	00.531	1479.9							
	085	00601	04.77	34.532	27.67		1479.9							
	085	00605	04.75	34.925	27.67		1479.5							
	085	00647	04.93	34.940	27.66		1481.3							
	STD	00700	04.87	34.98	27.65	00.580	1482.0							
	085	00750	04.82	34.980	27.70		1482.6							
	085	00759	04.31	34.553	27.71		1482.1							
	STD	00800	04.51	34.95	27.71	00.629	1482.1							
	STD	00900	04.23	34.94	27.73	00.676	1482.6							
	085	00951	04.21	34.530	27.73		1483.4							
	085	00974	04.23	34.940	27.74		1483.9							
	STD	01000	04.18	34.54	27.74	00.722	1484.1							
	085	01001	04.18	34.940	27.74		1484.1							
	STD	01100	04.10	34.95	27.76	00.768	1485.4							
	085	01100	04.10	34.955	27.76		1485.4							
	085	01159	03.77	34.525	27.78		1485.7							
	STD	01200	05.78	34.93	27.77	00.813	1485.7							
	085	01203	03.75	34.926	27.77		1485.8							
	085	01206	03.78	34.910	27.76		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA																				
REFID	31	8:55	YEAR	1973	BOTOP	03705	AIR TEMP	13.6	DIR	MGT	PER	WIND-DIR	27	INST	STD	RECORDER	TEN	SG	1306	
CONSEC	0274		MONTH	07	SHIP	EV	WET	BULB	13.6	00	0	X	WIND-SPD	14	TRACE	01A	0	5	SQUARE	2
LAT	44	12.5N	DAY	05	DATA	USE	1	BAROMETR	1027.1	SEA		WIND-FOR		DURATION			2	SQUARE	46	
LONG	047	43.3W	MOJR	02.7	AREA	05	CLOUD	T/A		CL/TR		WEATHER	X4	ORIG	011	459	1	SQUARE	47	
CASNUM/LINE	LVL	TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	STD	VEL	OAYG	P04	TOT	F	MO2	NO3	S103	PM			
02.7	ST0	00000	12.40	35.04	25.01	00.000	1496.4													
	085	00003	12.40	33.060	25.01		1496.4													
	085	00007	13.31	33.550	25.23		1500.2													
	ST0	00010	13.23	33.58	25.26	00.028	1500.0													
	085	00011	13.05	33.590	25.31		1499.5													
	085	00015	12.38	33.480	25.41		1456.1													
	085	00019	10.26	33.540	25.79		1489.8													
	ST0	00020	09.78	33.63	25.94	00.052	1488.2													
	085	00022	08.87	33.790	26.21		1485.0													
	085	00026	06.62	33.830	26.28		1484.2													
	ST0	00030	08.36	35.84	26.37	00.071	1482.1													
	085	00030	08.04	33.850	26.39		1482.1													
	085	00034	06.40	34.080	26.91		1483.8													
	085	00041	08.23	34.100	26.95		1483.3													
	085	00045	07.69	34.210	26.72		1481.5													
	085	00045	07.77	34.460	26.90		1482.1													
	ST0	00050	07.77	34.46	26.91	00.099	1482.2													
	085	00053	07.76	34.470	26.91		1482.2													
	085	00068	07.18	34.460	26.99		1480.2													
	085	00072	07.15	34.480	27.00		1480.1													
	ST0	00075	07.47	34.53	27.03	00.127	1481.5													
	085	00076	07.50	34.530	27.00		1481.6													
	085	00076	07.14	34.470	27.00		1480.2													
	085	00055	06.93	34.480	27.04		1475.7													
	085	00056	07.43	34.560	27.03		1481.8													
	ST0	00100	07.43	34.56	27.03	00.154	1481.8													
	085	00102	07.48	34.570	27.03		1482.0													
	085	00110	07.91	34.710	27.08		1484.0													
	085	00118	07.76	34.710	27.10		1483.6													
	ST0	00125	07.46	34.68	27.12	00.175	1482.5													
	085	00125	07.46	34.680	27.12		1482.5													
	085	00133	07.69	34.717	27.12		1483.5													
	085	00144	07.65	34.730	27.14		1483.5													
	085	00148	06.87	34.582	27.13		1480.4													
	ST0	00150	06.87	34.59	27.13	00.204	1480.5													
	085	00152	06.88	34.587	27.13		1480.5													
	085	00156	06.70	34.580	27.15		1475.5													
	085	00163	06.83	34.645	27.18		1480.6													
	085	00171	06.46	34.578	27.18		1479.2													
	085	00175	06.41	34.577	27.19		1475.0													
	ST0	00200	06.14	34.58	27.22	00.250	1478.4													
	085	00201	06.13	34.580	27.23		1478.4													
	085	00228	06.21	34.714	27.32		1475.3													
	085	00243	06.02	34.720	27.35		1478.8													
	ST0	00250	06.22	34.75	27.35	00.291	1475.7													
	085	00251	06.24	34.753	27.35		1475.8													
	085	00277	05.56	34.708	27.40		1477.5													
	ST0	00300	05.04	34.68	27.44	00.326	1475.7													
	085	00300	05.03	34.680	27.44		1475.7													
	085	00308	04.93	34.653	27.43		1475.3													
	085	00342	05.07	34.780	27.51		1476.1													
	085	00316	05.45	34.627	27.51		1477.6													
	085	00319	05.61	34.843	27.50		1478.6													
	085	00353	05.68	34.532	27.56		1475.5													
	ST0	00400	05.77	34.57	27.58	00.391	1460.7													
	085	00449	05.86	34.540	27.58		1461.9													
	085	00498	05.42	34.560	27.61		1460.9													
	ST0	00500	05.41	34.56	27.61	00.447	1480.5													
	085	00535	05.22	34.535	27.62		1480.6													
	085	00552	04.90	34.537	27.66		1475.6													
	085	00553	04.91	34.540	27.66		1480.4													
	ST0	00600	04.84	34.96	27.69	00.495	1480.2													
	085	00601	04.82	34.570	27.69		1480.2													
	085	00651	04.69	34.530	27.68		1480.4													
	ST0	00700	04.39	34.51	27.69	00.547	1479.9													
	085	00700	04.39	34.510	27.69		1479.9													
	085	00750	04.43	34.530	27.71		1480.9													
	ST0	00800	04.23	34.91	27.72	00.595	1480.9													
	085	00803	04.22	34.513	27.72		1480.5													
	085	00852	04.23	34.930	27.73		1481.8													
	ST0	00900	04.24	34.94	27.73	00.642	1482.7													
	085	01000	04.26	34.96	27.73	00.685	1484.4													
	085	01001	04.26	34.940	27.73		1484.4													
	ST0	01100	04.11	34.94	27.74	00.736	1485.5													
	085	01100	04.11	34.935	27.74		1485.5													
	ST0	01200	03.99	34.55	27.76	00.785	1486.6													
	085	01233	03.59	34.932	27.75		1486.7													
	085	01206	04.03	34.530	27.75		1486.9													

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O, O C S T A T I O N D A T A

REFID 31 6555 YEAR 1973 80TOP 05cc9 AIR TEMP 10.4 OIR MGT PER WIND-OIR 27 INST STD RECORDER TEN SQ 1506  
 CONSEC 0275 MONTH 07 SHIP EV NET BULB 10.2 00 0 X WIND-SPO 14 TRACE OIR 0 5 SQUARE 2  
 LAT 44 22.2N DAY 35 DATA USE 1 BAROMETR 1026.7 SEA CL/TR WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 39.9W HOUR 04.8 AREA 05 CLOUD T/A WEATHER X0 ORIG 011 460 1 SQUARE 47

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	DAYG	P04	TOT P	MO2	MO3	SIG3	PH
04.8	STO	03000	08.18	32.42	25.25	00.000	1480.3							
	085	03000	08.18	32.420	25.25		1480.3							
	085	03037	05.28	32.460	25.66		1468.9							
	STO	00010	04.24	32.45	25.76	00.025	1464.6							
	085	03011	03.74	32.450	25.81		1462.5							
	085	00015	02.78	32.520	25.95		1458.5							
	085	03019	02.35	32.620	26.06		1456.9							
	STO	03023	02.20	32.62	26.08	00.044	1456.2							
	085	00022	01.73	32.620	26.11		1454.2							
	085	03026	03.96	32.600	26.30		1451.0							
	STO	00030	00.99	32.82	26.32	00.064	1451.3							
	085	03030	03.99	32.830	26.33		1451.3							
	085	03038	- 1.21	33.040	26.55		1441.6							
	085	00041	- 1.46	33.150	26.69		1440.6							
	STO	03050	- 1.38	33.18	26.72	00.095	1441.2							
	085	00053	- 1.35	33.200	26.73		1441.4							
	STO	00075	- 1.19	33.33	26.83	00.127	1442.7							
	085	00076	- 1.18	33.340	26.84		1442.8							
	STC	00100	- 1.02	33.44	26.91	00.156	1444.1							
	085	03102	- 0.98	33.470	26.93		1444.3							
	085	00110	- 0.85	33.570	27.01		1445.2							
	085	00114	- 0.37	33.660	27.08		1447.6							
	085	03118	- 0.34	33.690	27.09		1447.5							
	STC	00125	02.19	33.53	27.12	00.182	1459.7							
	085	00125	02.25	33.540	27.12		1460.1							
	085	00129	02.53	33.580	27.13		1461.3							
	085	00133	03.56	34.230	27.24		1466.1							
	085	00137	03.87	34.250	27.23		1467.6							
	085	00140	04.66	34.370	27.24		1471.1							
	085	00148	05.37	34.460	27.23		1474.2							
	STC	00150	04.65	34.36	27.23	00.205	1471.2							
	085	00156	03.08	34.150	27.22		1466.4							
	085	00159	03.05	34.140	27.22		1466.2							
	085	00167	02.38	34.140	27.27		1461.5							
	085	00171	01.52	34.030	27.25		1457.6							
	085	00179	04.61	34.480	27.33		1471.7							
	085	00186	05.02	34.560	27.35		1473.6							
	085	03193	05.61	34.650	27.35		1476.2							
	STC	00200	04.87	34.55	27.36	00.246	1473.2							
	085	03201	04.78	34.540	27.36		1472.8							
	085	00228	05.44	34.720	27.42		1476.2							
	STO	00250	05.43	34.82	27.50	00.280	1476.6							
	085	00251	05.42	34.820	27.50		1476.6							
	085	00281	05.02	34.820	27.55		1475.5							
	STO	03300	05.08	34.86	27.58	00.310	1476.1							
	085	00300	05.06	34.860	27.58		1476.1							
	085	00323	04.65	34.853	27.60		1475.5							
	085	00350	04.65	34.850	27.62		1475.1							
	085	00361	04.73	34.860	27.62		1475.7							
	085	00373	03.94	34.800	27.66		1472.5							
	085	00380	04.26	34.850	27.66		1474.0							
	085	00364	04.31	34.840	27.65		1474.3							
	085	00392	04.09	34.820	27.66		1473.5							
	STO	00400	04.10	34.82	27.65	00.362	1473.6							
	085	00403	04.10	34.820	27.65		1473.7							
	085	00411	04.73	34.920	27.66		1476.6							
	085	00453	04.80	34.920	27.66		1477.5							
	STO	00500	04.70	34.92	27.67	00.411	1477.9							
	085	00502	04.70	34.920	27.67		1478.0							
	085	00552	04.65	34.930	27.68		1478.6							
	STO	00600	04.53	34.93	27.69	00.455	1478.9							
	085	00601	04.53	34.930	27.69		1478.9							
	085	00651	04.37	34.910	27.70		1479.0							
	STO	00700	04.01	34.92	27.74	00.504	1478.4							
	085	00700	04.01	34.920	27.74		1478.4							
	085	00750	04.00	34.920	27.74		1475.1							
	STO	00800	03.92	34.93	27.76	00.547	1475.7							
	085	00803	03.92	34.930	27.76		1475.7							
	085	00852	03.84	34.920	27.76		1480.2							
	STO	00900	03.62	34.92	27.76	00.590	1480.9							
	085	00902	03.82	34.920	27.76		1480.9							
	085	00951	03.96	34.920	27.75		1482.3							
	STO	01000	03.93	34.93	27.76	00.633	1483.0							
	085	01001	03.93	34.930	27.76		1483.0							
	STO	01100	03.93	34.93	27.76	00.678	1484.7							
	085	01100	03.93	34.930	27.76		1484.7							
	STO	01200	03.87	34.92	27.76	00.723	1486.1							
	085	01203	03.87	34.920	27.76		1486.2							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 51 8355	YEAR 1973	83TJP 03486	AIR TEMP 11.8	OIA HGT PER	WIND-DIA 23	INST STO RECODER	TEN SQ 1506
CONSEC 3278	MONTH 07	SHIP EV	MET BULB 11.6	25 0 2	WIND-SPD 16	TRACE OIA 0	3 SQUARE 2
LAT 44 15.9N	DAY 05	DATA USE 1	BARGNETR 1026.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 047 11.8W	MOOR 06.7	AREA 35	CLOUD T/A	CLTRA	WEATHER X1	ORIG-011 461	1 SQUARE 47

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
30.7	STO	00003	39.67	32.75	25.30	00.000	1486.5							
	085	00005	09.67	32.750	25.30		1486.4							
	085	00007	09.65	32.750	25.31		1486.4							
	STO	00013	09.15	32.71	25.33	00.027	1486.4							
	085	00011	08.79	32.675	25.35		1483.1							
	085	00015	07.75	32.646	25.49		1475.1							
	085	00019	05.11	32.659	25.83		1468.7							
	STO	00020	04.51	32.71	25.85	00.051	1467.9							
	085	00022	04.48	32.623	26.03		1466.3							
	085	00026	04.23	32.511	26.13		1465.3							
	STO	00050	03.68	32.85	26.14	00.071	1465.1							
	085	00030	03.50	32.846	26.14		1462.6							
	085	00034	02.52	32.948	26.33		1457.4							
	085	00038	01.60	33.365	26.47		1454.3							
	085	00045	01.33	33.470	26.82		1453.9							
	STO	00050	00.88	33.48	26.86	00.102	1452.0							
	085	00053	00.56	33.490	26.88		1450.6							
	085	00057	00.22	33.492	26.90		1449.1							
	085	00060	00.10	33.557	26.96		1448.8							
	STO	00075	00.38	33.79	27.13	00.128	1450.6							
	085	00076	00.40	33.803	27.14		1450.7							
	STO	00100	00.59	33.87	27.18	00.151	1452.1							
	085	00102	00.65	33.890	27.20		1452.4							
	STO	00125	01.35	34.17	27.38	00.171	1456.3							
	085	00125	01.38	34.180	27.38		1456.5							
	085	00140	02.71	34.465	27.51		1463.1							
	STO	00150	02.76	34.48	27.51	00.188	1463.4							
	085	00152	02.84	34.498	27.52		1463.7							
	085	00175	03.06	34.500	27.50		1465.1							
	STO	00200	03.37	34.61	27.56	00.216	1466.9							
	085	00201	03.39	34.617	27.56		1467.1							
	085	00226	03.70	34.728	27.62		1469.0							
	STO	00230	03.62	34.72	27.60	00.243	1469.8							
	085	00251	03.82	34.720	27.60		1469.9							
	085	00277	03.82	34.720	27.60		1470.3							
	085	00255	03.80	34.810	27.68		1470.6							
	085	00257	04.03	34.837	27.68		1471.7							
	STO	00300	04.05	34.84	27.67	00.267	1471.8							
	085	00300	04.05	34.840	27.68		1471.8							
	085	00304	04.01	34.860	27.70		1471.7							
	085	00306	04.41	34.910	27.65		1473.5							
	085	00316	04.13	34.855	27.68		1472.4							
	085	00350	03.78	34.832	27.70		1471.5							
	085	00365	03.85	34.845	27.70		1472.0							
	085	00373	04.04	34.850	27.68		1473.0							
	STO	00400	03.91	34.85	27.70	00.312	1472.9							
	085	00405	03.90	34.847	27.70		1472.9							
	085	00455	03.59	34.867	27.70		1474.1							
	STO	00500	04.05	34.91	27.73	00.356	1475.2							
	085	00502	04.05	34.910	27.73		1475.2							
	085	00552	04.04	34.922	27.74		1476.0							
	STO	00600	04.11	34.91	27.73	00.399	1477.1							
	085	00601	04.11	34.913	27.73		1477.1							
	085	00651	04.10	34.927	27.74		1477.5							
	STO	00700	04.03	34.92	27.74	00.443	1478.4							
	085	00700	04.05	34.920	27.74		1478.4							
	085	00750	03.96	34.910	27.74		1475.0							
	STO	00800	03.88	34.91	27.75	00.486	1475.5							
	085	00803	03.88	34.913	27.75		1475.5							
	085	00852	03.84	34.912	27.75		1480.2							
	STO	00900	03.83	34.91	27.75	00.525	1480.9							
	085	00902	03.83	34.910	27.75		1480.9							
	085	00951	03.80	34.920	27.76		1481.7							
	STO	01000	03.80	34.91	27.76	00.573	1482.5							
	085	01001	03.80	34.910	27.76		1482.5							
	STO	01100	03.82	34.93	27.77	00.617	1484.2							
	085	01100	03.82	34.930	27.77		1484.2							
	STO	01200	03.77	34.93	27.78	00.661	1485.7							
	085	01203	03.77	34.932	27.78		1485.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 8355 YEAR 1973 BOTOP 03533 AIR TEMP 12.0 OIA MGT PEA WIND-OIA 25 INST STD RECORDER TEM SD 1306  
CONSEC 0277 MONTH 07 SHIP EV MET BULB 11.9 00 0 R WIND-SPO 10 TRACE DIR D 3 SQUARE 2  
LAT 44 49 N DAY 05 DATA USE 1 BAROMETR 1026.7 SEA CL/7R WIND-FOR DURATION 2 SQUARE 46  
LONG 147 42.4W MOJR 06.8 AREA 05 CLOUD 7/A CL/7R WEATHER X4 DRIG 011 442 1 SQUARE 47

CASNUM/TIME	LYLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	DAYC	P04	TOT P	M02	M03	S103	PH
06.8	STD	00000	10.57	32.86	25.21	00.000	1485.7							
	D85	00003	10.57	32.864	25.21		1485.8							
	D85	00007	09.94	32.745	25.22		1487.4							
	STD	00010	08.23	32.75	25.30	00.026	1481.1							
	D85	00011	07.33	32.758	25.03		1477.6							
	D85	00015	05.23	32.976	26.07		1465.5							
	STD	00020	04.47	32.99	26.16	00.046	1466.5							
	D85	00022	04.03	33.042	26.25		1464.7							
	D85	00026	03.43	33.159	26.40		1462.4							
	STD	00030	03.10	33.32	26.56	00.065	1461.3							
	D85	00030	03.06	33.339	26.58		1461.1							
	D85	00038	01.58	33.435	26.69		1459.3							
	D85	00041	01.59	33.694	26.98		1455.3							
	STD	00050	01.50	33.84	27.11	00.089	1454.4							
	D85	00053	01.22	33.881	27.15		1454.1							
	D85	00068	01.14	33.975	27.23		1454.2							
	STD	00075	01.17	34.02	27.27	00.111	1454.5							
	D85	00076	01.18	34.027	27.27		1454.5							
	STD	00100	01.44	34.21	27.40	00.130	1456.4							
	D85	00101	01.50	34.253	27.42		1456.7							
	STD	00125	02.20	34.40	27.50	00.146	1460.4							
	D85	00125	02.21	34.408	27.50		1460.4							
	D85	00144	02.37	34.508	27.57		1461.6							
	D85	00148	02.45	34.514	27.57		1462.0							
	STD	00150	02.44	34.51	27.56	00.161	1462.0							
	D85	00152	02.44	34.505	27.56		1462.0							
	D85	00171	02.55	34.570	27.60		1462.9							
	D85	00175	02.78	34.635	27.64		1464.0							
	D85	00178	03.21	34.707	27.65		1466.1							
	STD	00200	03.23	34.70	27.65	00.186	1466.5							
	D85	00201	03.24	34.703	27.65		1466.6							
	D85	00226	03.70	34.820	27.70		1469.1							
	D85	00236	03.73	34.830	27.70		1469.4							
	D85	00239	04.00	34.840	27.68		1470.6							
	STD	00250	03.97	34.85	27.69	00.208	1470.7							
	D85	00251	03.97	34.855	27.70		1470.7							
	D85	00277	04.04	34.858	27.69		1471.4							
	STD	00300	04.04	34.85	27.68	00.230	1471.8							
	D85	00300	04.04	34.850	27.68		1471.8							
	D85	00350	04.15	34.925	27.73		1473.2							
	STD	00400	04.21	34.91	27.71	00.274	1474.2							
	D85	00403	04.21	34.910	27.71		1474.3							
	D85	00453	04.05	34.922	27.74		1474.4							
	STD	00500	03.67	34.92	27.75	00.316	1474.9							
	D85	00502	03.67	34.923	27.75		1474.9							
	D85	00552	04.02	34.910	27.73		1475.9							
	STD	00600	04.06	34.92	27.74	00.358	1476.9							
	D85	00601	04.06	34.917	27.74		1476.9							
	D85	00651	02.56	34.910	27.74		1477.3							
	STD	00700	02.85	34.93	27.77	00.399	1477.7							
	D85	00700	02.85	34.930	27.77		1477.7							
	D85	00750	02.54	34.917	27.75		1478.9							
	STD	00800	03.95	34.93	27.76	00.441	1479.8							
	D85	00803	03.95	34.930	27.76		1479.8							
	D85	00852	03.84	34.920	27.76		1480.2							
	STD	00900	03.83	34.93	27.77	00.483	1480.9							
	D85	00902	03.83	34.930	27.77		1481.0							
	D85	00951	03.80	34.922	27.77		1481.7							
	STD	01000	03.77	34.91	27.76	00.526	1482.3							
	D85	01001	03.77	34.914	27.76		1482.4							
	STD	01100	03.76	34.93	27.77	00.570	1484.0							
	D85	01100	03.76	34.920	27.77		1484.0							
	STD	01200	03.78	34.92	27.77	00.614	1485.7							
	D85	01203	03.78	34.918	27.77		1485.8							
	D85	01210	03.77	34.925	27.77		1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 31 0355 YEAR 1973 BOTOP 05171 AIR TEMP 11.8 OIR MGT PER 41NO-OIR 24 INST STO RECORDER 7EM S2 1306  
 CONSEC 0278 MONTH 07 5MIP EV WET BULB 11.8 00 0 X WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 48.94 DAY 05 DATA USE 1 BARDMETER 1027.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53.44 HOUR 10.9 AREA 05 CLOUD T/A CL/7R WEATHER X4 ORIG 011 463 1 SQUARE 47

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	STO	00000	09.53	32.75	25.33	00.000	1485.8							
	OBS	00003	09.53	32.786	25.33		1485.9							
	OBS	00007	08.62	32.656	25.36		1482.4							
	STO	00010	07.44	32.71	25.58	00.025	1477.9							
	OBS	00011	06.77	32.753	25.70		1475.4							
	OBS	00015	05.06	32.897	26.03		1468.7							
	STO	00020	04.60	33.02	26.17	00.047	1467.0							
	OBS	00022	04.26	33.070	26.25		1465.7							
	OBS	00026	03.71	33.110	26.34		1463.5							
	STO	00030	02.55	33.14	26.47	00.064	1458.6							
	OBS	00030	02.41	33.163	26.49		1458.0							
	OBS	00034	01.64	33.408	26.75		1455.1							
	OBS	00038	01.26	33.440	26.80		1453.5							
	OBS	00041	01.10	33.526	26.88		1452.9							
	OBS	00045	00.61	33.544	26.92		1450.8							
	OBS	00049	00.36	33.625	27.00		1449.9							
	STO	00050	00.36	33.63	27.00	00.090	1449.9							
	OBS	00053	00.40	33.656	27.02		1450.1							
	OBS	00057	00.45	33.744	27.09		1450.7							
	OBS	00060	00.79	33.807	27.12		1452.2							
	STO	00075	00.85	33.91	27.21	00.114	1452.6							
	OBS	00076	00.84	33.923	27.21		1452.6							
	STO	00100	00.98	34.11	27.35	00.135	1454.1							
	OBS	00102	01.11	34.145	27.37		1454.8							
	OBS	00110	01.60	34.250	27.42		1457.3							
	STO	00125	02.06	34.37	27.48	00.151	1455.7							
	OBS	00125	02.05	34.375	27.49		1459.9							
	OBS	00129	02.29	34.403	27.49		1463.8							
	OBS	00133	02.72	34.480	27.52		1462.9							
	OBS	00144	02.71	34.472	27.51		1463.0							
	STO	00150	02.87	34.52	27.54	00.166	1463.8							
	OBS	00152	02.90	34.537	27.55		1464.1							
	OBS	00159	02.87	34.547	27.56		1464.1							
	OBS	00163	03.12	34.570	27.55		1465.2							
	OBS	00171	02.97	34.547	27.55		1464.7							
	OBS	00175	03.00	34.565	27.56		1464.9							
	OBS	00178	03.44	34.680	27.61		1467.0							
	OBS	00186	03.98	34.700	27.61		1467.7							
	OBS	00198	04.40	34.833	27.63		1471.6							
	STO	00200	04.42	34.84	27.63	00.192	1471.7							
	OBS	00201	04.43	34.843	27.64		1471.8							
	OBS	00228	04.62	34.877	27.64		1473.0							
	STO	00250	04.60	34.89	27.65	00.216	1473.3							
	OBS	00255	04.59	34.893	27.66		1473.4							
	OBS	00277	04.74	34.922	27.66		1474.4							
	OBS	00289	04.71	34.910	27.66		1474.5							
	OBS	00253	04.47	34.870	27.65		1473.5							
	STO	00300	04.51	34.92	27.69	00.235	1475.8							
	OBS	00300	04.51	34.930	27.70		1475.8							
	OBS	00350	04.71	34.935	27.68		1475.5							
	STO	00400	04.60	34.93	27.69	00.285	1475.8							
	OBS	00403	04.59	34.927	27.69		1475.9							
	OBS	00453	04.71	34.950	27.69		1477.2							
	STO	00500	04.45	34.92	27.65	00.351	1476.9							
	OBS	00502	04.44	34.917	27.69		1476.9							
	OBS	00552	04.53	34.940	27.70		1478.1							
	STO	00600	04.25	34.93	27.72	00.376	1477.7							
	OBS	00601	04.24	34.927	27.72		1477.7							
	OBS	00651	04.17	34.937	27.74		1478.2							
	STO	00700	04.09	34.93	27.74	00.420	1478.7							
	OBS	00700	04.09	34.927	27.74		1478.7							
	OBS	00750	04.11	34.915	27.73		1479.6							
	STO	00800	04.06	34.91	27.73	00.465	1483.2							
	OBS	00803	04.06	34.910	27.73		1483.3							
	OBS	00852	04.01	34.912	27.74		1480.9							
	STO	00900	03.96	34.93	27.75	00.509	1481.5							
	OBS	00902	03.96	34.926	27.75		1481.5							
	OBS	00951	03.85	34.925	27.76		1481.9							
	STO	01000	03.78	34.91	27.76	00.553	1482.4							
	OBS	01001	03.78	34.914	27.76		1482.4							
	STO	01100	03.76	34.92	27.77	00.597	1484.0							
	OBS	01100	03.76	34.924	27.77		1484.0							
	STO	01200	03.74	34.93	27.78	00.640	1485.6							
	OBS	01203	03.74	34.927	27.78		1485.6							
	OBS	01214	03.73	34.927	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REFIC 31 0355 YEAR 1973 01TOP 0277% AIR TEMP 12.1 OIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1506  
 CONSEC 0275 MONTH 07 SHIP EV WET BULB 12.1 23 1 2 WIND-SPO 16 TRACE OTR 0 5 SQUARE 2  
 LAT 44 47.7M DAY 05 DATA USE 1 BAROMETR 1027.7 SEA DURATION WIND-FOR 2 SQUARE 48  
 LONG 048 12.8M HOUR 13.1 AREA 05 CLOUD T/A CL/TR WEATHER 44 DRIC 011 464 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGNA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.1	STD	00300	08.87	32.78	25.43	00.000	1483.4							
	085	00303	08.87	32.764	25.43		1483.4							
	085	00307	08.87	32.770	25.42		1483.5							
	STD	00310	06.83	32.70	25.65	00.025	1475.5							
	085	00311	05.97	32.688	25.75		1472.1							
	085	00315	04.90	32.795	25.96		1467.9							
	085	00319	04.29	32.922	26.15		1465.6							
	STD	00320	04.24	32.53	26.14	00.046	1465.4							
	085	00322	04.04	32.653	26.18		1464.6							
	STD	00330	03.10	32.67	26.27	00.064	1461.1							
	085	00330	03.11	32.474	26.28		1460.8							
	085	00336	01.50	32.066	26.45		1456.1							
	085	00341	00.76	32.247	26.67		1451.0							
	085	00345	00.25	32.341	26.76		1446.8							
	STD	00350	- 0.03	33.41	26.85	00.094	1447.9							
	085	00353	- 0.06	33.473	26.90		1447.8							
	085	00357	00.01	33.550	26.96		1448.3							
	085	00364	- 0.35	33.533	26.96		1446.7							
	STD	00375	- 0.19	33.66	27.05	00.121	1447.6							
	085	00376	- 0.17	33.671	27.06		1447.9							
	085	00391	00.04	33.802	27.16		1445.3							
	085	00395	00.65	33.917	27.22		1452.3							
	085	00399	00.62	33.981	27.25		1453.7							
	STD	00100	00.90	33.55	27.26	00.144	1453.6							
	085	00102	00.88	34.016	27.28		1453.6							
	085	00110	01.11	34.047	27.25		1454.8							
	STD	00123	02.25	34.27	27.39	00.163	1460.6							
	085	00125	02.32	34.280	27.39		1460.7							
	085	00140	02.71	34.370	27.43		1462.8							
	085	00144	02.67	34.375	27.44		1462.7							
	STD	00150	02.85	34.46	27.45	00.180	1463.7							
	085	00152	02.92	34.480	27.50		1464.1							
	085	00159	03.08	34.497	27.50		1464.9							
	085	00175	03.59	34.580	27.52		1467.4							
	STD	00203	03.73	34.63	27.56	00.206	1468.5							
	085	00201	03.85	34.670	27.56		1465.1							
	085	00205	04.16	34.717	27.57		1470.5							
	085	00224	04.11	34.705	27.56		1470.6							
	085	00228	04.14	34.723	27.57		1470.8							
	STD	00250	04.30	34.71	27.55	00.237	1471.9							
	085	00255	04.34	34.713	27.54		1472.1							
	085	00258	04.05	34.703	27.56		1471.1							
	085	00277	03.53	34.720	27.55		1470.8							
	085	00285	04.26	34.750	27.58		1472.4							
	STD	00300	04.32	34.65	27.66	00.264	1472.9							
	085	00300	04.22	34.860	27.66		1473.0							
	085	00350	04.77	34.926	27.66		1475.7							
	STD	00400	04.64	34.91	27.67	00.311	1476.0							
	085	00403	04.63	34.910	27.67		1476.0							
	085	00453	04.58	34.917	27.68		1476.6							
	STD	00500	04.49	34.91	27.68	00.355	1477.0							
	085	00502	04.45	34.910	27.68		1477.1							
	085	00552	04.39	34.910	27.69		1477.5							
	085	00593	04.55	34.940	27.70		1478.5							
	STD	00600	04.43	34.93	27.70	00.406	1478.5							
	085	00601	04.41	34.923	27.70		1478.4							
	085	00656	04.43	34.935	27.71		1479.4							
	STD	00700	04.38	34.94	27.72	00.452	1479.9							
	085	00715	04.35	34.940	27.72		1480.1							
	085	00750	04.28	34.935	27.75		1480.3							
	STD	00800	04.00	34.93	27.75	00.497	1480.0							
	085	00805	03.99	34.927	27.75		1480.0							
	085	00852	04.10	34.916	27.73		1481.3							
	STD	00900	04.00	34.91	27.74	00.541	1481.6							
	085	00902	04.00	34.910	27.74		1481.7							
	085	00951	03.84	34.920	27.76		1482.0							
	STD	01000	03.86	34.93	27.76	00.586	1482.7							
	085	01001	03.86	34.927	27.76		1482.7							
	STD	01100	03.86	34.91	27.75	00.631	1484.4							
	085	01100	03.86	34.910	27.75		1484.4							
	STD	01200	03.76	34.93	27.78	00.675	1485.7							
	085	01203	03.76	34.932	27.78		1485.7							
	085	01210	03.76	34.950	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA														
REFID 31 8355	YEAR 1973	BOTDP 02585	AIR TEMP 10.8	DIR HGT PER	WIND-DIR 22	INST STO RECORDER	TEN SQ 1306							
CONSEC 0240	MONTH 07	SHIP EV	WET BULB 10.8	14 0 2	WIND-SPD 12	TRACE GJR 0	5 SQUARE 2							
LAT 44 50 N	DAY 05	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FOR	DURATION	2 SQUARE 48							
LONG 048 31.1W	HOVR 15.3	AREA 05	CLOUD T/4	CL/TR	WEATHER R4	ORIG 011 465	1 SQUARE 48							
CSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OMNPTH	SND VEL	OXYG	PC4	TOT P	MO2	MO3	SI03	PH
15.3	STO	00000	07.09	32.51	25.35	00.000	1478.5							
	085	00005	07.09	32.512	25.39		1478.5							
	085	00007	06.80	32.425	25.44		1475.2							
	STO	00010	05.74	32.55	25.07	00.025	1470.9							
	085	00011	05.29	32.608	25.77		1469.2							
	085	00015	04.82	32.737	25.93		1467.5							
	085	00019	03.65	32.807	26.10		1462.9							
	STO	00020	03.49	32.87	26.17	00.046	1462.2							
	085	00022	03.05	32.953	26.30		1460.6							
	085	00026	02.90	32.954	26.32		1459.5							
	STO	00029	02.05	33.03	26.41	00.063	1456.5							
	085	00030	01.57	33.040	26.43		1455.9							
	085	00034	01.03	33.189	26.61		1452.0							
	085	00038	00.42	33.329	26.76		1445.3							
	STO	00050	00.21	33.30	26.90	00.091	1445.0							
	085	00053	00.21	33.534	26.93		1445.1							
	085	00060	00.30	33.607	26.99		1445.7							
	STO	00075	00.79	33.81	27.12	00.117	1452.5							
	085	00076	00.83	33.814	27.13		1452.7							
	085	00082	00.00	33.811	27.13		1452.0							
	085	00087	00.13	33.758	27.15		1445.7							
	085	00095	00.12	33.823	27.17		1445.8							
	STO	00100	00.29	33.88	27.21	00.140	1450.7							
	085	00102	00.40	33.912	27.23		1451.3							
	STO	00125	01.82	34.22	27.38	00.163	1458.4							
	085	00125	01.84	34.224	27.38		1458.6							
	085	00133	02.08	34.253	27.37		1455.8							
	085	00140	02.76	34.365	27.42		1463.1							
	085	00144	02.85	34.363	27.41		1463.6							
	STO	00150	02.50	34.38	27.42	00.177	1463.8							
	085	00152	02.51	34.387	27.43		1463.5							
	085	00175	00.02	34.458	27.50		1464.9							
	085	00190	03.57	34.577	27.52		1467.6							
	STO	00200	03.65	34.60	27.53	00.209	1468.1							
	085	00201	03.66	34.610	27.53		1468.2							
	085	00228	03.80	34.700	27.59		1469.4							
	STO	00250	05.55	34.71	27.58	00.237	1470.5							
	085	00251	04.00	34.712	27.58		1470.6							
	085	00262	04.12	34.730	27.58		1471.3							
	STO	00300	05.82	34.75	27.61	00.265	1470.7							
	085	00334	03.70	34.730	27.62		1471.1							
	STO	00400	03.85	34.85	27.70	00.311	1472.8							
	085	00403	03.50	34.832	27.70		1472.9							
	085	00455	05.99	34.856	27.69		1474.1							
	STO	00500	03.55	34.87	27.70	00.356	1474.9							
	085	00502	03.55	34.867	27.70		1474.9							
	085	00552	03.57	34.515	27.74		1475.7							
	STO	00600	03.57	34.52	27.75	00.355	1476.5							
	085	00601	03.57	34.518	27.75		1476.5							
	085	00651	03.51	34.517	27.75		1477.1							
	STO	00700	03.57	34.52	27.75	00.441	1478.2							
	085	00700	03.57	34.520	27.75		1478.2							
	085	00750	03.55	34.517	27.75		1478.9							
	STO	00800	04.02	34.92	27.75	00.485	1480.0							
	085	00803	04.02	34.525	27.75		1480.1							
	085	00852	03.53	34.913	27.75		1480.5							
	STO	00900	03.62	34.91	27.75	00.528	1480.9							
	085	00902	03.62	34.910	27.75		1480.9							
	085	00951	03.79	34.922	27.77		1481.6							
	STO	01000	03.76	34.52	27.77	00.572	1482.3							
	085	01001	03.76	34.616	27.77		1482.3							
	STO	01100	03.73	34.52	27.77	00.615	1483.8							
	085	01100	03.73	34.900	27.77		1483.8							
	STO	01200	03.71	34.53	27.78	00.658	1485.4							
	085	01203	03.71	34.930	27.78		1485.5							
	085	01218	03.72	34.525	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOCC STATION DATA

REFID 51 8555 YEAR 1973 STTOP 01574 AIR TEMP 10.8 OIR HGT PER WIND-OIR 23 INST STO RECDROER TEN SQ 1506  
 CCNSEC 3261 MONTH 07 SHIP EV WE7 BULB 10.8 05 1 2 WIND-SPD 10 TRACE OIR 5 SQUARE 2  
 LAT 44 45.64 DAY 05 DATA USE 1 BAROMETR 1027.6 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 148 49.14 MOJA 20.0 AREA 05 CLOUD 7/A CL/TR WEATHEA A4 DAIG 011 466 1 SQUARE 48

CA&T/MON/TIME	LVLTYP	DEP7M	TEMP	SAL	SIGNA-T	DYNDPTH	SND VEL	OAYG	PC4	TOT P	NO2	NO3	S103	PH
20.0	STD	03000	07.29	32.51	25.45	00.000	1476.9							
	OBS	03005	07.29	32.513	25.45		1477.0							
	OBS	00007	06.35	32.464	25.53		1473.4							
	STD	00010	05.81	32.54	25.86	00.024	1471.2							
	OBS	00011	05.51	32.589	25.73		1470.1							
	OBS	00015	04.81	32.735	25.93		1467.5							
	OBS	00019	04.62	32.775	25.98		1466.8							
	STD	00020	04.51	32.75	25.97	00.048	1466.3							
	OBS	00022	04.06	32.746	26.31		1464.5							
	OBS	03026	05.15	32.686	26.21		1460.8							
	STD	00030	02.62	33.16	26.47	00.064	1459.0							
	OBS	00030	02.55	33.185	26.50		1458.9							
	OBS	00034	02.73	33.220	26.51		1459.6							
	OBS	00038	02.43	33.250	26.94		1459.3							
	STD	00050	01.41	33.42	26.77	00.093	1454.3							
	OBS	00059	01.24	33.475	26.83		1453.7							
	OBS	00057	01.44	33.534	26.88		1453.4							
	STD	00075	00.70	33.81	27.13	00.121	1452.1							
	OBS	00076	03.68	33.821	27.14		1452.0							
	OBS	00095	00.28	33.920	27.24		1450.7							
	STD	00120	00.35	33.93	27.24	00.143	1451.0							
	OBS	00102	00.45	33.944	27.25		1451.6							
	OBS	00110	00.62	33.980	27.27		1452.5							
	OBS	00114	01.10	34.023	27.28		1454.8							
	STD	00125	01.12	34.11	27.35	00.163	1455.2							
	OBS	00125	01.20	34.133	27.36		1455.4							
	OBS	00126	01.51	34.220	27.38		1458.9							
	OBS	00137	01.86	34.205	27.37		1458.3							
	OBS	00144	01.57	34.165	27.36		1457.4							
	OBS	00148	01.47	34.180	27.38		1457.2							
	STD	00150	01.58	34.25	27.43	00.180	1457.9							
	OBS	00152	01.76	34.327	27.47		1458.6							
	OBS	00156	02.07	34.365	27.48		1460.3							
	OBS	00175	02.25	34.365	27.47		1461.4							
	STD	00200	02.40	34.45	27.55	00.211	1462.6							
	OBS	00201	02.42	34.500	27.56		1462.7							
	OBS	00228	02.89	34.577	27.58		1465.3							
	STD	00250	02.95	34.64	27.62	00.237	1466.2							
	OBS	00251	03.00	34.643	27.62		1466.3							
	OBS	00277	03.41	34.710	27.64		1468.5							
	STD	00300	03.51	34.72	27.64	00.262	1469.3							
	OBS	00300	03.51	34.725	27.64		1469.4							
	OBS	00350	03.85	34.844	27.70		1471.8							
	OBS	00384	04.21	34.885	27.69		1473.9							
	OBS	00388	04.17	34.897	27.71		1473.8							
	STD	00400	04.18	34.87	27.65	00.309	1474.0							
	OBS	00403	04.18	34.870	27.69		1474.1							
	OBS	00453	04.19	34.913	27.72		1475.0							
	STD	00500	04.13	34.93	27.74	00.352	1475.6							
	OBS	00502	04.13	34.955	27.74		1475.6							
	OBS	00552	04.13	34.933	27.74		1476.4							
	STD	00600	04.12	34.92	27.73	00.395	1477.2							
	OBS	00601	04.12	34.923	27.73		1477.2							
	OBS	00651	03.98	34.928	27.75		1477.4							
	STD	00700	03.97	34.91	27.74	00.438	1478.2							
	OBS	00700	03.97	34.913	27.74		1478.2							
	OBS	00750	03.98	34.913	27.74		1479.0							
	STD	00800	03.87	34.91	27.75	00.481	1479.4							
	OBS	00805	03.86	34.910	27.75		1479.4							
	OBS	00852	03.77	34.925	27.77		1479.9							
	STD	00900	03.73	34.92	27.77	00.523	1480.5							
	OBS	00902	03.73	34.92	27.77		1480.5							
	OBS	00951	03.75	34.920	27.77		1480.5							
	STD	01000	03.76	34.927	27.77		1481.5							
	OBS	01000	03.72	34.91	27.77	00.566	1482.1							
	OBS	01001	03.72	34.910	27.77		1482.1							
	STD	01100	03.74	34.93	27.78	00.608	1482.9							
	OBS	01100	03.74	34.930	27.78		1482.9							
	STD	01200	03.72	34.92	27.78	00.652	1485.5							
	OBS	01200	03.72	34.92	27.78		1485.5							
	OBS	01203	03.71	34.923	27.78		1485.5							
	OBS	01206	03.69	34.930	27.78		1485.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO L S T A T I O N D A T A

REFID 51 0355 YEAR 1973 BOTOP 01181 AIR TEMP 15.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN 54 1306  
 CONSEC 0202 MONTH 07 SHIP EV MET BULB 10.0 20 1 2 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 50 N DAY 05 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 59 W HOUR 22.0 AREA 05 CLOUD T/A CL/7R WEATHER X4 DRIG 011 467 1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
22.0	STD	00000	07.25	32.30	25.28	00.000	1476.5							
	OBS	00000	07.25	32.300	25.28		1476.5							
	OBS	00005	06.25	32.180	25.32		1472.4							
	OBS	00007	06.10	32.250	25.39		1472.0							
	STD	00010	05.50	32.22	25.44	00.026	1469.5							
	OBS	00011	05.08	32.210	25.48		1467.8							
	OBS	00019	01.86	32.630	26.11		1454.7							
	STD	00020	01.78	32.64	26.12	00.046	1454.4							
	OBS	00022	01.56	32.650	26.15		1453.5							
	OBS	00026	00.16	32.850	26.42		1447.5							
	STD	00030	- 0.49	33.07	26.59	00.065	1444.9							
	OBS	00030	- 0.54	33.080	26.60		1444.6							
	OBS	00038	- 0.70	33.070	26.60		1444.0							
	OBS	00041	- 0.99	33.170	26.65		1442.9							
	STD	00050	- 1.11	33.19	26.71	00.093	1442.4							
	OBS	00053	- 1.15	33.200	26.72		1442.3							
	STD	00075	- 1.24	33.33	26.83	00.125	1442.5							
	OBS	00076	- 1.24	33.330	26.85		1442.5							
	STD	00100	- 1.24	33.34	26.84	00.150	1442.9							
	OBS	00102	- 1.23	33.350	26.85		1443.0							
	OBS	00118	- 1.17	33.460	26.93		1443.7							
	OBS	00121	- 1.81	33.480	26.97		1440.7							
	STD	00125	- 1.24	33.47	26.94	00.185	1443.5							
	OBS	00125	- 1.15	33.470	26.94		1443.9							
	STD	00150	- 0.95	33.58	27.02	00.212	1445.4							
	OBS	00152	- 0.95	33.590	27.03		1445.5							
	OBS	00175	- 0.61	33.700	27.11		1447.6							
	STD	00200	00.12	33.88	27.22	00.259	1451.6							
	OBS	00201	00.16	33.890	27.22		1451.8							
	OBS	00228	00.52	34.090	27.32		1454.1							
	STD	00250	00.57	34.16	27.40	00.298	1456.7							
	OBS	00251	01.00	34.170	27.40		1456.8							
	OBS	00274	01.53	34.310	27.48		1459.8							
	OBS	00285	02.11	34.380	27.49		1462.6							
	OBS	00293	02.11	34.380	27.49		1462.7							
	STD	00300	02.38	34.50	27.56	00.329	1464.2							
	OBS	00300	02.41	34.510	27.57		1464.3							
	OBS	00350	02.80	34.570	27.58		1466.9							
	STD	00400	03.05	34.70	27.67	00.380	1469.0							
	OBS	00402	03.06	34.710	27.67		1469.1							
	OBS	00453	03.21	34.720	27.68		1470.6							
	STD	00500	03.46	34.79	27.69	00.420	1472.5							
	OBS	00502	03.47	34.790	27.69		1472.6							
	OBS	00552	03.65	34.850	27.72		1474.3							
	OBS	00586	03.68	34.860	27.73		1475.0							
	OBS	00590	03.68	34.58 P	27.510*									
	OBS	00594	03.65	34.850	27.72		1475.1							
	STD	00600	03.67	34.85	27.72	00.470	1475.2							
	OBS	00601	03.67	34.850	27.72		1475.2							
	OBS	00651	03.75	34.850	27.71		1476.3							
	STD	00700	03.80	34.85	27.71	00.515	1477.4							
	OBS	00700	03.80	34.850	27.71		1477.4							
	OBS	00750	03.78	34.850	27.71		1478.1							
	STD	00800	03.80	34.85	27.71	00.561	1479.0							
	OBS	00803	03.80	34.850	27.71		1479.1							
	OBS	00852	03.82	34.850	27.71		1480.0							
	STD	00900	03.84	34.88	27.73	00.608	1480.9							
	OBS	00902	03.84	34.880	27.73		1480.9							
	OBS	00951	03.82	34.860	27.72		1481.7							
	STD	01000	03.81	34.89	27.74	00.654	1482.4							
	OBS	01001	03.80	34.890	27.74		1482.4							
	OBS	01005	03.78	34.900	27.75		1482.4							

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REFID 51 0355 YEAR 1973 BOTOP 00115 AIR TEMP 11.1 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN 54 1306  
 CONSEC 0183 MONTH 07 SHIP EV MET BULB 11.1 00 0 1 WIND-SPO 11 TRACE DIR 0 5 SQUARE 2  
 LAT 44 50 N DAY 05 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 23.3 AREA 05 CLOUD T/A CL/7R WEATHER A4 DRIG 011 466 1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
23.3	STD	00000	07.93	32.31	25.20	00.000	1475.2							
	OBS	00005	07.93	32.311	25.20		1479.2							
	OBS	00007	07.84	32.320	25.22		1478.9							
	STD	00010	06.53	32.22	25.34	00.027	1472.9							
	OBS	00011	05.79	32.197	25.39		1470.7							
	OBS	00015	05.61	32.260	25.46		1470.1							
	OBS	00019	04.76	32.137	25.46		1466.5							
	STD	00020	04.05	32.23	25.61	00.052	1463.7							
	STD	00030	- 0.30	32.88	26.43	00.072	1445.4							
	OBS	00030	- 0.29	32.858	26.45		1445.1							
	OBS	00034	- 0.65	32.983	26.53		1444.1							
	OBS	00038	- 0.76	32.984	26.53		1443.5							
	OBS	00041	- 1.26	32.443	26.56		1441.3							
	STD	00050	- 1.31	32.45	26.56	00.103	1441.2							
	OBS	00052	- 1.35	32.985	26.56		1441.2							
	STD	00075	- 1.40	33.07	26.63	00.139	1441.3							
	OBS	00076	- 1.40	33.077	26.63		1441.4							
	OBS	00099	- 1.35	33.152	26.72		1442.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D D C S T A T I O N D A T A

REFID 31 8555 YEAR 1973 BOTOP 00082 AIR TEMP 12.9 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
CONSEC 0285 MONTH 07 SHIP EV WET BULB 12.9 00 0 X WIND-SPD 12 TRACE DIR D 5 SQUARE 2  
LAT 44 50.5N DAY 06 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 149 15.4W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 665 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	S103	PH
	STD	00000	07.56	32.20	25.16	00.000	1477.6							
00.2	OBS	00003	07.50	32.196	25.16		1477.6							
	OBS	00007	05.66	32.390	25.50		1470.4							
	STD	00010	05.12	32.45	25.60	00.026	1466.3							
	OBS	00011	04.90	32.472	25.71		1467.4							
	OBS	00015	04.09	32.509	25.76		1466.7							
	OBS	00019	03.88	32.417	25.77		1463.2							
	STD	00020	03.54	32.46	25.84	00.048	1461.8							
	OBS	00022	02.73	32.570	25.99		1458.5							
	STD	00030	01.70	32.64	26.12	00.069	1454.2							
	OBS	00030	01.60	32.646	26.14		1453.8							
	OBS	00038	- 0.25	32.887	26.44		1445.8							
	STD	00050	- 0.85	32.98	26.53	00.103	1443.4							
	OBS	00053	- 0.55	32.996	26.55		1443.0							
	OBS	00068	- 1.08	32.998	26.56		1442.6							
	OBS	00072	- 1.08	32.993	26.55		1442.7							

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REFID 31 8555 YEAR 1973 BOTOP 00060 AIR TEMP 13.5 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
CONSEC 0285 MONTH 07 SHIP EV WET BULB 13.5 21 0 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2  
LAT 44 30 N DAY 06 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 149 16 W HOUR 01.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 470 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	S103	PH
	STD	00000	13.62	32.40	24.84	00.000	1489.3							
01.7	OBS	00005	10.62	32.400	24.84		1489.4							
	STD	00010	09.70	32.30	24.91	00.031	1486.0							
	OBS	00011	09.23	32.290	24.98		1484.3							
	OBS	00015	07.48	32.510	25.26		1477.6							
	OBS	00019	06.15	32.510	25.43		1472.4							
	STD	00020	05.65	32.34	25.51	00.059	1470.5							
	OBS	00022	04.65	32.390	25.67		1466.5							
	OBS	00026	04.20	32.420	25.74		1464.7							

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REFID 31 8555 YEAR 1973 BOTOP 00052 AIR TEMP 10.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
CONSEC 0285 MONTH 07 SHIP EV WET BULB 10.6 00 0 X WIND-SPD 11 TRACE DIR D 5 SQUARE 2  
LAT 44 30.2N DAY 06 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 149 22.2W HOUR 03.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 471 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	S103	PH
	STD	00000	07.80	31.23	25.15	00.000	1478.5							
03.1	OBS	00003	07.80	32.251	25.15		1478.6							
	OBS	00007	06.25	32.199	25.33		1472.5							
	STD	00010	05.73	32.17	25.37	00.027	1470.4							
	OBS	00011	05.26	32.154	25.42		1468.5							
	OBS	00015	03.33	32.291	25.72		1460.6							
	OBS	00019	02.63	32.412	25.88		1457.8							
	STD	00020	02.56	32.42	25.85	00.051	1457.5							
	OBS	00022	02.14	32.492	25.98		1455.6							
	OBS	00026	01.07	32.656	26.21		1451.4							
	STD	00030	00.37	32.83	26.36	00.070	1448.5							
	OBS	00033	00.27	32.846	26.38		1448.0							
	OBS	00038	- 1.24	33.129	26.67		1441.6							
	STD	00050	- 1.31	33.20	26.72	00.100	1441.5							
	OBS	00053	- 1.34	33.202	26.73		1441.4							
	OBS	00057	- 1.38	33.202	26.73		1441.3							
	STD	00075	- 1.26	33.33	26.83	00.132	1442.4							
	OBS	00076	- 1.25	33.320	26.83		1442.4							
	STD	00100	- 1.18	33.34	26.85	00.162	1443.2							
	OBS	00102	- 1.17	33.327	26.85		1443.2							
	STD	00125	- 1.14	33.45	26.92	00.192	1443.9							
	OBS	00125	- 1.14	33.450	26.92		1443.9							
	STD	00150	- 0.80	33.54	26.99	00.219	1446.0							
	OBS	00152	- 0.78	33.553	26.99		1446.2							
	OBS	00175	- 0.60	33.660	27.07		1447.6							
	STD	00200	- 0.20	33.82	27.18	00.268	1450.0							
	OBS	00201	- 0.17	33.820	27.18		1450.2							
	OBS	00209	- 0.06	33.822	27.18		1450.8							
	OBS	00220	00.61	34.080	27.35		1454.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 4355 YEAR 1973 BUOY 01000 AIR TEMP 10.1 OIR MGT PER WIND-DIR 21 INST STO RECODER TEN SU 1506  
 CONSEC 3207 MONTH 07 SHIP LV WET BULB 10.0 00 0 X WIND-SPD 12 TRACE OIA 0 5 SQUARE 2  
 LAT 44 34.4N DAY 06 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 148 44.8W HOUR 04.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG #11 472 1 SQUARE 48

CAS/NUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DAYG	PC4	TOT P	NO2	NO3	SIO3	PH
J-5	STO	03000	07.25	32.30	25.28	00.000	1476.5							
	085	00003	07.25	32.300	25.28		1476.6							
	085	00007	07.17	32.325	25.31		1476.3							
	STO	00010	06.87	32.40	25.41	00.026	1475.3							
	085	00011	06.71	32.433	25.46		1474.7							
	085	00019	06.38	32.506	25.60		1472.4							
	STO	00020	05.52	32.52	25.62	00.051	1471.8							
	085	00022	05.51	32.554	25.70		1470.2							
	STO	00030	04.70	32.74	25.94	00.073	1467.3							
	085	00030	04.65	32.748	25.95		1467.1							
	085	00038	03.89	32.872	26.13		1464.2							
	085	00041	03.26	32.967	26.26		1461.7							
	085	00045	02.83	32.950	26.29		1459.8							
	085	00045	01.57	33.070	26.48		1454.5							
	STO	00050	01.55	33.07	26.48	00.110	1454.5							
	085	00053	01.00	33.082	26.53		1452.1							
	085	00057	- 0.56	33.263	26.75		1445.2							
	085	00060	- 1.02	33.361	26.85		1443.3							
	085	00072	- 1.05	33.471	26.94		1443.5							
	STO	00075	- 1.04	33.50	26.96	00.143	1443.6							
	085	00079	- 1.01	33.549	27.00		1443.9							
	STO	00100	- 0.65	33.66	27.08	00.185	1446.1							
	085	00102	- 0.60	33.685	27.09		1446.4							
	STO	00125	- 0.14	33.88	27.23	00.192	1449.1							
	085	00125	- 0.13	33.885	27.23		1449.2							
	STO	00150	00.55	34.04	27.32	00.212	1452.8							
	085	00152	00.60	34.060	27.34		1453.2							
	085	00159	00.85	34.134	27.38		1454.6							
	085	00175	01.18	34.230	27.44		1456.4							
	085	00194	02.11	34.403	27.51		1461.2							
	STO	00200	02.36	34.43	27.51	00.246	1462.4							
	085	00205	02.57	34.507	27.32		1465.2							
	085	00234	03.38	34.625	27.57		1467.7							
	STO	00250	03.43	34.68	27.61	00.274	1468.1							
	085	00251	03.46	34.683	27.61		1468.3							
	085	00258	03.71	34.720	27.61		1469.5							
	085	00261	04.00	34.810	27.66		1471.2							
	STO	00300	03.94	34.82	27.67	00.296	1471.3							
	085	00303	03.94	34.817	27.67		1471.3							
	085	00350	04.20	34.862	27.68		1473.3							
	STO	00400	04.16	34.86	27.68	00.344	1473.9							
	085	00403	04.16	34.865	27.68		1474.0							
	085	00453	04.13	34.910	27.72		1474.7							
	STO	00500	04.05	34.91	27.73	00.388	1475.1							
	085	00502	04.05	34.910	27.73		1475.1							
	085	00552	04.06	34.915	27.73		1476.1							
	STO	00600	03.96	34.91	27.74	00.431	1476.5							
	085	00601	03.96	34.910	27.74		1476.5							
	085	00651	03.93	34.925	27.76		1477.2							
	STO	00700	03.90	34.92	27.76	00.475	1477.9							
	085	00700	03.93	34.925	27.76		1477.9							
	085	00750	03.91	34.930	27.76		1478.8							
	STO	00800	03.87	34.93	27.77	00.514	1479.5							
	085	00803	03.87	34.935	27.77		1479.5							
	085	00852	03.81	34.920	27.76		1480.1							
	STO	00900	03.70	34.93	27.78	00.555	1480.4							
	085	00922	03.7	34.927	27.78		1480.4							
	085	00951	03.74	34.935	27.78		1481.4							
	STO	01000	03.72	34.93	27.78	00.596	1482.1							
	085	01001	03.72	34.935	27.78		1482.2							
	STO	01100	03.69	34.92	27.78	00.638	1483.7							
	085	01100	03.69	34.920	27.78		1483.7							
	STO	01200	03.68	34.91	27.77	00.682	1485.3							
	085	01203	03.68	34.911	27.77		1485.3							
	085	01210	03.65	34.915	27.77		1485.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOULSIATION DATA

REFID 31 8355	YEAR 1973	BOTOP 02159	AIR TEMP 10.1	DIR HGT PER	WIND-DIR 21	INST 510 RECORDER	TEN 50 1506
CONSEC 0288	MONTH 07	SHIP EV	NET BULB 10.1	21 0 2	WIND-SPO 12	TRACE DIR 0	5 SQUARE 2
LAT 44 35.5N	DAY 06	DATA USE 1	BAROMETR 1027.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 048 37.7E	MOJR 06.4	AREA 05	CLDJD T/4	CL/TA	WEATHER 44	ORIG 711 473	1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PJA	TOT F	NO2	NO3	SI03	PH
085	ST0	00000	04.45	32.63	25.37	00.000	1481.6							
085	00003	08.45	32.630	25.37			1481.6							
085	00007	06.04	32.440	25.45			1475.2							
085	ST0	00010	06.05	32.60	25.67	00.025	1472.3							
085	00011	05.03	32.690	25.80			1470.7							
085	00019	03.96	33.190	26.37			1466.6							
085	ST0	00020	03.93	33.15	26.38	00.045	1466.4							
085	00022	03.70	33.200	26.41			1463.5							
085	ST0	00030	02.65	33.40	26.67	00.060	1459.4							
085	00030	02.63	33.410	26.67			1459.3							
085	00034	02.57	33.430	26.69			1455.2							
085	00038	02.05	33.490	26.78			1457.2							
085	00041	01.15	33.610	26.94			1453.3							
085	00045	00.36	33.690	27.05			1445.9							
085	ST0	00050	00.36	33.71	27.07	00.084	1450.0							
085	00053	00.35	33.780	27.13			1450.1							
085	00072	- 0.16	33.810	27.18			1448.1							
085	ST0	00075	- 0.02	33.86	27.21	00.107	1448.9							
085	00076	00.05	33.880	27.22			1449.2							
085	00080	00.27	33.850	27.22			1450.3							
085	00087	00.46	33.980	27.28			1451.4							
085	ST0	00100	01.37	34.19	27.39	00.127	1456.0							
085	00102	01.54	34.230	27.41			1456.9							
085	ST0	00125	02.29	34.37	27.46	00.143	1460.7							
085	00125	02.34	34.380	27.47			1461.0							
085	00129	02.71	34.480	27.52			1462.8							
085	00144	03.31	34.590	27.55			1465.8							
085	ST0	00150	03.40	34.58	27.54	00.158	1466.2							
085	00152	03.43	34.580	27.55			1466.4							
085	00156	03.49	34.590	27.53			1466.7							
085	00159	03.21	34.560	27.54			1465.5							
085	00163	03.15	34.590	27.57			1465.4							
085	00167	03.06	34.700	27.60			1467.9							
085	00175	03.76	34.690	27.59			1468.3							
085	ST0	00200	03.88	34.71	27.54	00.186	1469.3							
085	00201	03.89	34.710	27.54			1469.3							
085	00209	03.91	34.730	27.60			1469.6							
085	00220	04.24	34.850	27.65			1471.7							
085	00228	04.37	34.840	27.64			1472.0							
085	ST0	00250	04.32	34.85	27.65	00.211	1472.1							
085	00251	04.32	34.850	27.65			1472.1							
085	00278	04.36	34.92 P	27.710										
085	00281	04.65	34.920	27.67			1474.1							
085	ST0	00300	04.76	34.91	27.65	00.235	1474.9							
085	00300	04.79	34.910	27.65			1475.0							
085	00316	04.67	34.920	27.67			1474.7							
085	00323	04.05	34.840	27.68			1472.2							
085	00350	03.87	34.840	27.69			1471.9							
085	ST0	00400	03.95	34.85	27.69	00.282	1473.0							
085	00403	03.95	34.850	27.69			1473.1							
085	00453	04.01	34.890	27.72			1474.2							
085	ST0	00500	04.03	34.91	27.73	00.325	1475.1							
085	00502	04.03	34.910	27.73			1475.1							
085	00552	03.95	34.910	27.74			1475.8							
085	ST0	00600	03.95	34.92	27.75	00.367	1476.4							
085	00601	03.95	34.920	27.75			1476.5							
085	00651	03.93	34.930	27.76			1477.2							
085	ST0	00700	03.87	34.92	27.76	00.405	1477.8							
085	00700	03.87	34.920	27.76			1477.8							
085	00750	03.84	34.930	27.77			1478.5							
085	ST0	00800	03.82	34.93	27.77	00.450	1475.2							
085	00803	03.82	34.930	27.77			1479.3							
085	00852	03.84	34.930	27.77			1480.2							
085	ST0	00900	03.82	34.91	27.76	00.492	1480.9							
085	00902	03.82	34.910	27.75			1480.9							
085	00951	03.78	34.910	27.76			1481.6							
085	ST0	01000	03.73	34.91	27.76	00.536	1482.2							
085	01001	03.73	34.910	27.76			1482.2							
085	ST0	01100	03.68	34.92	27.78	00.579	1483.6							
085	01100	03.66	34.920	27.78			1483.6							
085	ST0	01200	03.68	34.92	27.78	00.622	1485.3							
085	01203	03.68	34.920	27.78			1485.4							
085	01206	03.68	34.920	27.78			1485.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 8:55 YEAR 1973 BOTOP 03057 AIR TEMP 11.2 DIR MGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
 CONSEC 0285 MONTH 07 SHIP EV WET BULB 11.2 21 0 2 WIND-SPO 11 TRACE DIR 0 5 SQUARE 2  
 LAT 44 36 N DAY 06 DATA USE 1 BAROMETER 1027.6 SEA ORURATION 0 2 SQUARE 48  
 LONG 348 25 W MOJR 08.5 AREA 05 CLOUD 7/A CL/TR WEATHER X4 ORIG 011 474 1 SQUARE 46

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
085	STO	00003	08.35	32.52	25.30	00.000	1461.0							
085	STO	00000	08.35	32.516	25.30		1481.0							
085	STO	00003	08.33	32.520	25.30		1481.0							
085	STO	00007	07.04	32.585	25.45		1476.5							
085	STO	00010	06.38	32.59	25.65	00.025	1473.6							
085	STO	00011	05.73	32.611	25.72		1471.0							
085	STO	00015	04.30	32.720	25.97		1465.3							
085	STO	00020	02.76	32.93	26.28	00.046	1455.1							
085	STO	00022	02.02	33.022	26.41		1456.0							
085	STO	00050	00.74	33.14	26.55	00.062	1450.5							
085	STO	00030	00.61	33.156	26.61		1453.0							
085	STO	00034	-0.25	33.268	26.74		1446.3							
085	STO	00036	-0.74	33.292	26.78		1444.1							
085	STO	00041	-0.83	33.356	26.84		1444.0							
085	STO	00050	-0.51	33.47	26.92	00.086	1445.7							
085	STO	00055	-0.43	33.512	26.95		1446.5							
085	STO	00072	00.08	33.670	27.05		1445.9							
085	STO	00075	00.24	33.72	27.08	00.115	1445.9							
085	STO	00076	00.31	33.755	27.06		1450.2							
085	STO	00099	01.91	34.112	27.28		1458.3							
085	STO	00100	02.37	34.13	27.28	00.137	1455.0							
085	STO	00106	02.92	34.230	27.30		1463.0							
085	STO	00125	03.25	34.36	27.37	00.156	1464.9							
085	STO	00125	03.27	34.360	27.37		1465.0							
085	STO	00140	03.76	34.485	27.42		1467.5							
085	STO	00150	03.44	34.48	27.45	00.173	1466.3							
085	STO	00152	03.39	34.480	27.46		1466.1							
085	STO	00175	03.45	34.510	27.47		1466.7							
085	STO	00200	03.29	34.54	27.51	00.204	1466.5							
085	STO	00201	03.26	34.538	27.51		1466.4							
085	STO	00209	03.10	34.530	27.52		1465.8							
085	STO	00228	03.46	34.608	27.55		1467.8							
085	STO	00250	03.95	34.75	27.62	00.232	1470.4							
085	STO	00251	03.98	34.763	27.62		1470.6							
085	STO	00277	04.61	34.910	27.67		1473.9							
085	STO	00285	04.63	34.910	27.67		1474.1							
085	STO	00300	04.12	34.81	27.64	00.257	1472.0							
085	STO	00304	04.01	34.800	27.65		1471.6							
085	STO	00312	03.86	34.817	27.67		1471.2							
085	STO	00319	04.09	34.845	27.68		1472.3							
085	STO	00338	04.18	34.860	27.66		1473.0							
085	STO	00350	04.30	34.902	27.69		1474.1							
085	STO	00400	04.31	34.92	27.71	00.305	1474.6							
085	STO	00403	04.30	34.924	27.71		1474.7							
085	STO	00453	04.38	34.915	27.70		1475.8							
085	STO	00503	04.28	34.93	27.72	00.347	1476.2							
085	STO	00532	04.28	34.930	27.72		1476.2							
085	STO	00552	04.23	34.923	27.72		1476.8							
085	STO	00600	04.09	34.92	27.73	00.390	1477.0							
085	STO	00601	04.09	34.916	27.73		1477.0							
085	STO	00651	04.05	34.917	27.74		1477.7							
085	STO	00700	03.99	34.92	27.74	00.433	1478.3							
085	STO	00700	03.99	34.915	27.74		1478.3							
085	STO	00750	03.68	34.910	27.75		1478.6							
085	STO	00800	03.63	34.92	27.76	00.476	1479.3							
085	STO	00803	03.63	34.916	27.76		1479.3							
085	STO	00852	03.83	34.910	27.75		1480.1							
085	STO	00900	03.75	34.91	27.76	00.510	1480.6							
085	STO	00902	03.75	34.94 P	27.79									
085	STO	00951	03.62	34.913	27.76		1481.7							
085	STO	01000	03.78	34.91	27.76	00.562	1482.4							
085	STO	01001	03.78	34.910	27.76		1482.4							
085	STO	01100	03.75	34.92	27.77	00.605	1483.9							
085	STO	01103	03.75	34.920	27.77		1483.9							
085	STO	01200	03.62	34.93	27.77	00.649	1485.5							
085	STO	01205	03.62	34.933	27.77		1486.3							
085	STO	01206	03.79	34.927	27.77		1485.9							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

M P O C S T A T I O N D A T A

REF ID: A60553  
 CONSEC: 0250  
 LAT: 47 34.3N  
 LONG: 048 09.5W  
 YEAR: 1973  
 MONTH: 07  
 DAY: 06  
 HOUR:  
 STATION: 03273  
 SHIP: EV  
 DATA USE: 1  
 AREA: 05  
 AIR TEMP: 12.1  
 WET BULB: 11.8  
 BAROMETER: 1027.9  
 CLOUD: T/A  
 DIR HGT PER: 21 0 3  
 SEA: 5E  
 CL/TR:  
 WIND-DIR 20: 10  
 WIND-SPD 11: 10  
 WIND-FOR: 10  
 WEATHER: X4  
 INST STD RECORDER: 0  
 TRACE DIR: 0  
 DURATION: 011 475  
 TEN SQ 1306: 2  
 5 SQUARE: 48  
 2 SQUARE: 48  
 1 SQUARE: 48

CAS/NUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PK
STO	00003	09.75	32.77	25.28	00.000	1486.6								
OBS	00003	09.75	32.775	25.28		1486.7								
OBS	00007	09.16	32.650	25.31		1484.4								
STO	00010	08.95	32.71	25.36	00.027	1485.7								
OBS	00011	08.80	32.708	25.38		1483.2								
OBS	00015	08.31	32.669	25.42		1481.3								
OBS	00019	06.95	32.716	25.65		1476.2								
STO	00020	06.73	32.66	25.64	00.052	1475.2								
OBS	00022	05.87	32.617	25.71		1471.6								
OBS	00026	04.17	32.807	26.05		1465.1								
STO	00030	02.52	32.92	26.25	00.072	1455.5								
OBS	00030	02.79	32.922	26.28		1455.4								
OBS	00034	02.17	33.070	26.44		1456.9								
OBS	00036	00.52	33.145	26.61		1445.7								
OBS	00041	- 0.75	33.333	26.82		1444.2								
OBS	00045	- 0.88	33.337	26.82		1443.7								
STO	00050	- 0.86	33.37	26.85	00.102	1443.9								
OBS	00053	- 0.85	33.400	26.87		1444.0								
STO	00075	00.04	33.69	27.07	00.150	1448.9								
OBS	00076	00.08	33.700	27.08		1449.1								
STO	00100	00.58	33.93	27.24	00.153	1452.1								
OBS	00102	00.73	33.968	27.25		1452.9								
OBS	00114	01.57	34.130	27.35		1457.0								
STO	00125	01.90	34.18	27.33	00.173	1458.7								
OBS	00125	01.91	34.170	27.34		1458.8								
OBS	00129	01.99	34.215	27.37		1459.3								
OBS	00133	02.50	34.350	27.45		1461.8								
OBS	00140	02.77	34.390	27.44		1463.1								
OBS	00144	03.12	34.457	27.46		1464.8								
OBS	00148	03.20	34.480	27.47		1465.5								
STO	00150	03.39	34.52	27.49	00.190	1466.1								
OBS	00152	03.56	34.575	27.51		1466.9								
OBS	00171	03.70	34.570	27.50		1467.8								
OBS	00178	03.27	34.510	27.49		1466.0								
OBS	00182	03.17	34.513	27.50		1465.7								
OBS	00198	05.44	34.655	27.59		1467.3								
STO	00200	03.58	34.69	27.61	00.218	1466.0								
OBS	00201	03.71	34.715	27.61		1466.6								
OBS	00205	03.58	34.725	27.59		1469.8								
OBS	00213	04.49	34.832	27.62		1472.2								
OBS	00228	04.20	34.840	27.61		1473.2								
STO	00250	04.84	34.86	27.60	00.244	1474.3								
OBS	00251	04.85	34.862	27.60		1474.3								
OBS	00277	04.84	34.925	27.66		1474.8								
STO	00300	04.63	34.93	27.68	00.264	1474.3								
OBS	00300	04.63	34.930	27.68		1474.3								
OBS	00350	04.96	35.016	27.71		1476.6								
STO	00400	04.84	35.02	27.73	00.312	1477.0								
OBS	00403	04.83	35.016	27.73		1477.0								
OBS	00453	04.73	35.020	27.74		1477.4								
OBS	00491	04.55	34.980	27.73		1477.2								
STO	00500	04.46	34.96	27.73	00.355	1477.0								
OBS	00517	04.31	34.930	27.72		1476.6								
OBS	00552	04.18	34.910	27.72		1476.6								
STO	00600	04.29	34.93	27.73	00.399	1477.6								
OBS	00601	04.29	34.935	27.73		1477.7								
OBS	00651	04.37	34.915	27.73		1477.6								
STO	00700	04.11	34.93	27.74	00.442	1478.8								
OBS	00760	04.11	34.930	27.74		1478.8								
OBS	00750	03.97	34.920	27.75		1479.0								
STO	00800	03.90	34.92	27.76	00.485	1475.6								
OBS	00803	03.90	34.923	27.76		1479.6								
OBS	00852	03.97	34.935	27.76		1480.7								
STO	00900	04.05	34.93	27.74	00.529	1481.9								
OBS	00902	04.05	34.927	27.74		1481.9								
OBS	00951	04.01	34.920	27.74		1482.5								
STO	01000	03.88	34.93	27.76	00.574	1482.8								
OBS	01001	03.88	34.927	27.76		1482.8								
STO	01100	03.74	34.92	27.77	00.617	1483.9								
OBS	01100	03.74	34.920	27.77		1483.9								
STO	01200	03.76	34.93	27.78	00.661	1485.7								
OBS	01205	03.76	34.932	27.78		1485.7								
OBS	01210	03.75	34.927	27.78		1485.8								

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA

REFID 51 8355 YEAR 1973 BJTDP 03400 AIR TEMP 11.5 OIR MGT PER WIND-OIR 19 INST STO RECORER TEM SQ 130A  
 CONSEC 0291 MDYTM 07 SHIP EV WET BULB 11.5 00 0 X WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 44 34.0N DAY 06 DATA USE 1 BAROMETR 1027.0 SEA WIND-FDR DURATION 0AIG Q11 476 2 SQUARE 46  
 LONG 047 5A.8W MDUR 12.4 AREA 05 CLOUD 7/A CL/TR WEATHER X4 1 SQUARE 47

CASNUM/TIME	LYLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SN3 VEL	DXYC	PO4	TOT P	MO2	MO3	S103	PM
12.4	STO	00000	08.55	32.58	25.32	00.003	1481.9							
	D85	00003	08.55	32.575	25.32		1481.9							
	D85	00007	08.43	32.668	25.68		1473.8							
	STO	00010	05.25	32.76	25.90	00.024	1469.2							
	D85	00011	04.73	32.806	25.65		1467.2							
	D85	00019	04.05	32.916	26.15		1464.6							
	STO	00020	03.80	32.93	26.18	00.044	1463.5							
	D85	00022	03.12	32.983	26.29		1460.8							
	D85	00026	02.26	33.125	26.48		1457.3							
	STO	00030	01.74	33.19	26.57	00.060	1455.1							
	D85	00030	01.86	33.207	26.58		1454.8							
	D85	00038	10.27	33.457	26.90		1445.1							
	D85	00041	- 0.01	33.540	26.95		1447.9							
	STO	00050	00.36	33.64	27.05	00.085	1448.6							
	D85	00053	00.13	33.680	27.06		1448.9							
	STO	00075	00.41	33.81	27.15	00.110	1450.7							
	D85	00076	00.42	33.815	27.15		1450.8							
	D85	00087	00.51	33.941	27.25		1451.6							
	D85	00091	00.54	34.018	27.28		1453.7							
	STO	00100	01.13	34.08	27.32	00.131	1454.8							
	STO	00125	01.70	34.26	27.42	00.149	1458.0							
	STO	00150	02.33	34.42	27.50	00.165	1461.4							
	D85	00175	03.00	34.567	27.56		1464.6							
	STO	00200	03.76	34.71	27.60	00.193	1468.8							
	D85	00201	03.77	34.708	27.60		1468.8							
	D85	00205	03.76	34.705	27.60		1468.8							
	D85	00217	04.36	34.858	27.63		1472.0							
	D85	00232	04.52	34.843	27.63		1472.6							
	STO	00250	04.36	34.87	27.64	00.218	1473.2							
	D85	00251	04.58	34.870	27.64		1473.2							
	D85	00277	04.66	34.925	27.68		1474.1							
	STO	00300	04.70	34.91	27.66	00.242	1474.6							
	D85	00300	04.70	34.910	27.66		1474.6							
	D85	00350	04.39	34.923	27.70		1474.2							
	STO	00400	04.44	34.93	27.70	00.288	1475.2							
	D85	00405	04.45	34.930	27.70		1475.3							
	D85	00453	04.35	34.939	27.70		1476.5							
	STO	00500	04.48	34.93	27.70	00.333	1477.0							
	D85	00502	04.47	34.930	27.70		1477.0							
	D85	00552	04.34	34.910	27.70		1477.1							
	STO	00600	04.19	34.92	27.72	00.378	1477.5							
	D85	00601	04.19	34.920	27.72		1477.5							
	D85	00651	04.16	34.930	27.74		1478.2							
	STO	00700	04.10	34.91	27.73	00.425	1478.7							
	D85	00700	04.10	34.914	27.73		1478.7							
	D85	00750	04.06	34.910	27.73		1476.4							
	STO	00800	03.59	34.93	27.75	00.466	1480.3							
	D85	00803	03.59	34.930	27.75		1480.0							
	D85	00852	03.59	34.930	27.75		1480.8							
	STO	00900	04.00	34.91	27.74	00.511	1481.6							
	D85	00902	04.00	34.913	27.74		1481.7							
	D85	00951	03.55	34.916	27.75		1482.3							
	STO	01000	03.52	34.91	27.74	00.556	1483.0							
	D85	01001	03.52	34.910	27.74		1483.0							
	STO	01100	03.81	34.92	27.76	00.601	1484.2							
	D85	01100	03.81	34.920	27.76		1484.2							
	STO	01200	03.75	34.92	27.77	00.646	1485.8							
	D85	01203	03.76	34.922	27.77		1485.8							
	D85	01206	03.72	34.932	27.78		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOO ( STATION DATA

REP ID 51 8350 YEA4 1973 BOTOP 05511 AIR TEMP 13.8 DTR MGT PER WIND-DIR 15 INST STD RECORDER TEM SQ 1306  
 CONSEC 0291 MONTM 37 SHIP EV MET BULB 13.8 00 0 X WIND-SPO 14 TRACE DIR 0 5 SQUARE 2  
 LAT 4 2 24.2N DAY 06 OATA USE 1 BAROMETR 1028.0 SEA DURATJON WIND-FDR ORIG 011 477 2 SQUARE 46  
 LONG 047 5 0.2W HGUR 14.6 AREA 05 CLOUD T/A CL/TR WEATHER R4 1 SQUARE 47

CAS7NJA/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.6	STO	00000	08.85	32.30	25.05	00.000	1482.7							
	085	00003	08.85	32.304	25.05		1482.7							
	085	00007	08.70	32.280	25.06		1482.2							
	STO	00010	06.03	32.23	25.31	00.028	1474.1							
	085	00011	05.83	32.225	25.41		1470.9							
	085	00015	05.13	32.313	25.56		1468.2							
	STO	00020	04.50	32.44	25.72	00.053	1466.1							
	085	00022	04.10	32.505	25.82		1464.3							
	085	00026	03.32	32.587	25.96		1461.1							
	STO	00030	02.35	32.75	26.20	00.073	1457.3							
	085	00030	02.23	32.811	26.23		1456.8							
	085	00034	01.50	32.885	26.34		1453.7							
	085	00038	01.16	32.952	26.41		1452.3							
	085	00041	00.50	33.035	26.52		1449.5							
	085	00045	- 0.85	33.230	26.71		1443.4							
	085	00049	- 1.12	33.199	26.72		1442.4							
	STO	00050	- 1.13	33.22	26.73	00.105	1442.4							
	085	00053	- 1.17	33.317	26.82		1442.4							
	STO	00075	- 1.05	33.47	26.83	00.135	1443.4							
	085	00076	- 1.08	33.473	26.94		1443.4							
	STO	00100	- 0.85	33.62	27.05	00.162	1445.1							
	085	00102	- 0.81	33.641	27.07		1445.4							
	STO	00125	- 0.42	33.80	27.18	00.186	1447.7							
	085	00125	- 0.41	33.805	27.18		1447.8							
	085	00140	- 0.03	33.850	27.23		1445.9							
	085	00144	00.22	33.850	27.22		1451.1							
	STO	00150	00.37	33.96	27.27	00.207	1452.0							
	085	00152	00.44	33.980	27.28		1452.4							
	085	00163	00.90	34.020	27.29		1454.7							
	085	00175	01.13	34.140	27.37		1456.1							
	STO	00200	01.65	34.22	27.39	00.245	1458.9							
	085	00201	0.68	34.230	27.40		1459.1							
	085	00220	01.98	34.390	27.51		1461.0							
	085	00232	02.37	34.430	27.51		1462.9							
	STO	00250	03.02	34.56	27.55	00.276	1466.2							
	085	00251	03.34	34.563	27.55		1466.3							
	085	00256	04.09	34.550	27.57		1466.7							
	085	00262	03.41	34.620	27.57		1468.2							
	085	00266	03.44	34.667	27.60		1468.4							
	085	00277	03.95	34.720	27.59		1470.8							
	085	00285	04.35	34.830	27.64		1472.4							
	STO	00300	04.29	34.82	27.63	00.303	1472.8							
	085	00300	04.29	34.820	27.63		1472.8							
	085	00308	04.71	34.915	27.66		1474.8							
	085	00312	04.74	34.910	27.66		1475.0							
	085	00319	04.40	34.852	27.65		1473.6							
	085	00350	03.98	34.820	27.67		1472.3							
	085	00388	04.09	34.840	27.67		1473.4							
	085	00395	04.78	34.927	27.66		1476.5							
	STO	00400	04.74	34.92	27.66	00.352	1476.4							
	085	00403	04.70	34.920	27.67		1476.3							
	085	00415	04.48	34.927	27.70		1475.6							
	085	00422	04.65 P	34.915	27.670*									
	085	00426	04.35	34.895	27.69		1475.2							
	085	00453	04.08	34.886	27.71		1474.5							
	STO	00500	04.35	34.93	27.71	00.398	1476.5							
	085	00502	04.18 P	34.930	27.730*									
	085	00552	04.47	34.934	27.70 *		1477.8							
	STO	00600	04.40	34.93	27.71	00.444	1478.3							
	085	00601	04.40	34.930	27.71		1478.4							
	085	00651	04.31	34.920	27.71		1478.8							
	STO	00700	04.30	34.95	27.72	00.485	1479.6							
	085	00703	04.30	34.932	27.72		1479.6							
	085	00750	04.23	34.927	27.73		1480.1							
	085	00759	04.28	34.920	27.71		1481.1							
	STO	00800	04.27	34.92	27.72	00.536	1481.1							
	085	00803	04.18	34.930	27.73		1480.8							
	085	00852	04.09	34.917	27.73		1481.2							
	STO	00900	03.94	34.95	27.76	00.581	1481.4							
	085	00902	03.93	34.930	27.76		1481.4							
	085	00951	03.61	34.910	27.76		1481.7							
	STO	01000	03.77	34.91	27.76	00.624	1482.3							
	085	01001	03.77	34.910	27.76		1482.3							
	STO	01100	03.69	34.91	27.77	00.668	1483.7							
	085	01100	03.65	34.912	27.77		1483.7							
	STO	01200	03.70	34.91	27.77	00.712	1485.4							
	085	01200	03.70	34.915	27.77		1485.4							
	085	01200	03.70	34.915	27.77		1485.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

H O O C S T A T I O N O A T A

REFID 31 8555 YEAR 1973 BOTOP 03436 AIR TEMP 13.3 DIR HGT PER WIND-OIR 18 INST STO RECORDER TEM SW 1506  
 CONSEC 0263 MONTH 07 SHIP EV WET BULB 13.3 36 0 2 WIND-SPO 15 TRACE DIR D 5 SQUARE 2  
 LAT 44 10.4N DAY 06 DATA USE 1 BARGMETER 1026.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10.00 MOJR 10.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG\_011 478 1 SQUARE 48

CASSTN/4TIME	LVL2TP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNQ VEL	OXYG	PO4	TOT P	MO2	MO3	SI03	PM
10.7	STO	00000	08.89	32.42	25.14	00.000	1483.0							
	085	00005	08.89	32.420	25.14		1483.0							
	085	00007	07.09	32.320	25.32		1476.0							
	STO	00010	06.60	32.38	25.43	00.027	1474.2							
	085	00011	06.33	32.400	25.48		1473.2							
	085	00015	05.66	32.430	25.59		1470.5							
	085	00019	05.27	32.490	25.68		1469.1							
	STO	00020	05.25	32.45	25.68	00.051	1469.0							
	085	00022	05.11	32.510	25.71		1468.5							
	STO	00030	04.07	32.67	25.95	00.073	1464.5							
	085	00030	04.01	32.680	25.96		1464.3							
	085	00038	03.20	32.940	26.25		1461.3							
	085	00041	02.21	33.020	26.39		1457.2							
	085	00045	01.75	33.190	26.56		1455.4							
	085	00049	01.30	33.180	26.59		1453.5							
	STL	00050	01.19	33.19	26.61	00.108	1453.0							
	085	00053	00.56	33.780	26.71		1450.4							
	085	00068	- 0.38	33.490	26.93		1446.6							
	085	00072	- 0.25	33.550	26.97		1447.3							
	STO	00075	- 0.60	33.54	26.98	00.140	1445.7							
	085	00076	- 0.65	33.540	26.98		1445.3							
	085	00079	- 0.73	33.660	27.06		1445.4							
	STO	00100	00.32	33.67	27.20	00.165	1450.8							
	085	00102	00.41	33.890	27.21		1451.3							
	085	00116	00.65	34.010	27.25		1453.0							
	STO	00125	00.94	34.04	27.30	00.185	1454.5							
	085	00125	00.96	34.040	27.30		1454.4							
	085	00140	01.24	34.197	27.41		1456.1							
	085	00144	01.44	34.225	27.41		1457.1							
	STO	00150	01.63	34.26	27.43	00.204	1456.1							
	085	00152	01.70	34.268	27.43		1458.4							
	085	00175	02.04	34.374	27.49		1460.5							
	STO	00200	02.43	34.49	27.55	00.234	1462.7							
	085	00201	02.45	34.500	27.56		1462.9							
	085	00226	02.62	34.565	27.59		1464.1							
	STO	00230	03.00	34.67	27.64	00.260	1466.3							
	085	00251	03.02	34.673	27.64		1466.4							
	085	00256	03.17	34.687	27.64		1467.2							
	085	00262	03.47	34.710	27.63		1468.5							
	085	00277	03.83	34.782	27.65		1470.4							
	085	00285	03.75	34.810	27.68		1470.3							
	085	00293	03.51	34.824	27.68		1471.1							
	STO	00300	03.78	34.82	27.65	00.283	1470.6							
	085	00300	03.77	34.818	27.65		1470.6							
	085	00350	04.15	34.860	27.70		1473.1							
	085	00365	04.35	34.910	27.70		1474.2							
	085	00365	04.02	34.860	27.65		1472.6							
	STO	00400	04.09	34.85	27.71	00.327	1473.7							
	085	00403	04.10	34.897	27.72		1473.8							
	085	00453	04.27	34.913	27.71		1475.3							
	STO	00500	04.31	34.91	27.70	00.371	1476.3							
	085	00533	04.38	34.910	27.70		1477.1							
	085	00552	04.44	34.937	27.71		1477.7							
	STO	00600	04.40	34.93	27.71	00.416	1478.3							
	085	00601	04.40	34.930	27.71		1478.4							
	085	00651	04.52	34.937	27.72		1478.9							
	STO	00700	04.22	34.92	27.72	00.462	1479.2							
	085	00700	04.22	34.92	27.72		1479.2							
	085	00750	03.96	34.913	27.74		1475.0							
	STO	00800	03.90	34.92	27.75	00.506	1479.6							
	085	00803	03.90	34.918	27.75		1479.6							
	085	00852	03.95	34.930	27.75		1480.8							
	STO	00900	03.63	34.92	27.75	00.550	1481.3							
	085	00902	03.63	34.94 P	27.774									
	085	00951	03.94	34.910	27.74		1482.2							
	STO	01000	03.64	34.91	27.74	00.595	1483.0							
	085	01001	03.64	34.913	27.74		1483.1							
	STO	01100	03.64	34.92	27.75	00.640	1484.7							
	085	01100	03.64	34.920	27.75		1484.7							
	STO	01200	03.87	34.91	27.75	00.687	1486.1							
	085	01203	03.86	34.913	27.75		1486.1							
	085	01206	03.84	34.913	27.76		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

MOODC STATION DATA

REFID 31 4355 YEAR 1973 WDIOP 05253 AIR TEMP 14.9 OIR HGT PER WIND-OIA 18 INST STO RECORDER TEN SG 1306  
 CONSEC 0294 MCNTH JT SHIP EV WET BULB 14.9 17 1 2 WIND-SPO 17 TRACE DIA 0 5 SQUARE 2  
 LAT 44 19.5N DAY 30 DATA USE 1 BAROMETER 1026.0 SEB WIND-FOR QUATION 1 2 SQUARE 48  
 LONG 148 23 W MOVA 14.7 AREA 05 CLOUD T/A CL/TR WEATHER AD ORIG 011 479 1 SQUARE 48

CASSTN/M/IME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DRYG	P34	TOT P.	MO2	NO3	5103	PM
14.7	STC	00000	10.33	32.61	25.06	00.000	1488.5							
	085	00003	10.33	32.613	25.06		1488.6							
	085	00007	08.42	32.347	25.15		1481.2							
	STO	00010	07.16	32.39	25.37	00.028	1476.4							
	085	00011	06.45	32.464	25.51		1473.9							
	085	00015	04.84	32.605	25.50		1467.8							
	STC	00020	04.20	32.50	26.16	00.050	1465.5							
	085	00022	03.50	33.032	26.25		1464.5							
	085	00026	03.71	33.123	26.35		1463.5							
	STO	00030	03.32	33.25	26.48	00.067	1462.1							
	085	00030	03.26	33.265	26.50		1461.9							
	085	00044	00.85	33.772	27.09		1452.3							
	STO	00050	00.84	33.77	27.09	00.093	1452.2							
	085	00053	00.65	33.775	27.10		1451.6							
	085	00057	00.30	33.803	27.15		1449.9							
	STO	00075	00.70	34.02	27.25	00.115	1452.6							
	085	00076	00.75	34.026	27.30		1452.8							
	STO	00100	01.40	34.16	27.36	00.134	1456.1							
	085	00102	01.45	34.170	27.37		1456.4							
	STO	00125	01.09	34.25	27.42	00.151	1457.9							
	085	00125	01.70	34.256	27.42		1458.0							
	STO	00150	01.96	34.37	27.45	00.167	1455.7							
	085	00152	01.58	34.376	27.50		1455.8							
	085	00175	02.19	34.480	27.56		1461.3							
	STO	00200	02.41	34.50	27.56	00.196	1462.7							
	085	00201	02.43	34.506	27.56		1462.8							
	085	00228	02.66	34.560	27.55		1464.3							
	STO	00250	02.91	34.63	27.62	00.222	1465.8							
	085	00251	02.92	34.635	27.62		1465.9							
	085	00277	03.19	34.727	27.67		1467.6							
	085	00285	03.45	34.757	27.67		1468.9							
	085	00297	03.51	34.830	27.68		1471.1							
	STO	00300	03.50	34.82	27.68	00.246	1471.1							
	085	00300	03.89	34.820	27.68		1471.1							
	085	00308	03.76	34.813	27.68		1470.7							
	085	00312	04.22	34.870	27.68		1472.7							
	085	00319	03.99	34.847	27.69		1471.9							
	085	00354	04.23	34.513	27.71		1473.5							
	STO	00400	04.38	34.52	27.70	00.291	1474.9							
	085	00403	04.38	34.520	27.70		1475.0							
	085	00453	04.26	34.513	27.71		1475.3							
	STO	00500	04.15	34.53	27.73	00.334	1475.6							
	085	00502	04.14	34.527	27.73		1475.6							
	085	00552	03.99	34.524	27.75		1475.8							
	STO	00600	03.95	34.53	27.76	00.375	1476.5							
	085	00601	03.95	34.533	27.76		1476.5							
	085	00651	03.53	34.530	27.76		1477.2							
	STO	00700	03.89	34.53	27.76	00.416	1477.9							
	085	00703	03.85	34.525	27.76		1477.9							
	085	00750	03.84	34.527	27.77		1478.5							
	STC	00800	03.77	34.53	27.78	00.457	1479.0							
	085	00803	03.77	34.530	27.78		1479.1							
	085	00852	03.75	34.530	27.78		1479.8							
	STO	00900	03.74	34.52	27.77	00.495	1480.5							
	085	00902	03.74	34.520	27.77		1480.6							
	085	00951	03.74	34.517	27.77		1481.4							
	STO	01000	03.71	34.52	27.77	00.541	1482.1							
	085	01001	03.71	34.520	27.77		1482.1							
	STO	01100	03.71	34.51	27.77	00.564	1483.7							
	085	01100	03.71	34.510	27.77		1483.7							
	STO	01200	03.71	34.52	27.78	00.627	1485.4							
	085	01203	03.71	34.524	27.78		1485.5							
	085	01210	03.71	34.525	27.78		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8355 YEAR 1973 BOTOP 02055 AIR TEMP 12.0 OIR HGT PER 0IND-OIR 19 IMST STO RECORDER TEM 50 1506  
CONSEC 0295 MONTH 07 SHIP EV WET BULB 12.0 SEA 21 2 2 WIND-SPO 16 TRACE DTR 0 5 SQUARE 2  
LAT 4 19.1N DAY 06 DATA USE 1 BARDMETR 1025.3 WIND-FOR DURATION 2 SQUARE 48  
LONG 048 36.00 HOUR 20.5 AREA 05 CLOUD 1/A CL/TR WEATHER 44 ORIG DII 480 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTM	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.5	STO	00000	08.64	32.59	25.31	00.000	1482.2							
	OBS	00003	08.64	32.590	25.31		1482.3							
	STO	00010	06.42	32.61	25.63	00.025	1473.8							
	OBS	00015	05.07	32.620	25.81		1468.4							
	OBS	00019	04.37	32.780	26.01		1465.7							
	STO	00020	04.31	32.78	26.02	00.047	1465.5							
	OBS	00022	04.08	32.830	26.08		1464.6							
	OBS	00026	03.62	32.970	26.23		1462.9							
	STO	00030	03.03	33.10	26.39	00.065	1460.6							
	OBS	00030	02.57	33.110	26.40		1460.4							
	OBS	00034	02.59	33.080	26.41		1458.8							
	OBS	00038	01.62	33.230	26.61		1454.8							
	OBS	00041	00.11	33.330	26.76		1448.2							
	OBS	00045	- 0.84	33.470	26.93		1444.2							
	OBS	00049	- 0.84	33.500	26.95		1444.1							
	STO	00050	- 0.83	33.50	26.96	00.093	1444.2							
	OBS	00053	- 0.75	33.530	26.98		1444.5							
	OBS	00064	- 0.54	33.610	27.03		1445.9							
	OBS	00068	- 0.12	33.600	27.03		1447.9							
	OBS	00072	- 0.34	33.650	27.05		1447.0							
	STO	00075	- 0.04	33.71	27.05	00.119	1448.5							
	OBS	00076	00.05	33.730	27.10		1445.0							
	OBS	00082	- 0.07	33.810	27.17		1448.7							
	OBS	00095	00.75	34.010	27.29		1455.0							
	STO	00100	00.75	34.01	27.29	00.141	1453.2							
	OBS	00102	00.92	34.020	27.26		1453.8							
	OBS	00110	01.26	34.160	27.37		1455.7							
	OBS	00116	02.32	34.240	27.36		1460.6							
	STO	00125	02.35	34.25	27.36	00.160	1460.8							
	OBS	00125	02.35	34.250	27.37		1460.8							
	OBS	00140	02.04	34.310	27.43		1460.0							
	STO	00150	02.40	34.36	27.45	00.177	1461.6							
	OBS	00152	02.46	34.370	27.45		1461.9							
	OBS	00167	02.74	34.510	27.54		1463.6							
	OBS	00175	03.20	34.560	27.54		1465.8							
	OBS	00179	03.17	34.560	27.54		1465.7							
	OBS	00186	03.45	34.570	27.52		1467.2							
	STO	00200	03.55	34.69	27.61	00.206	1467.6							
	OBS	00201	03.55	34.700	27.62		1467.9							
	OBS	00220	03.54	34.700	27.62		1468.1							
	OBS	00224	04.08	34.740	27.59		1470.5							
	OBS	00228	04.01	34.720	27.58		1470.3							
	OBS	00245	03.81	34.720	27.60		1469.7							
	STO	00250	04.07	34.81	27.65	00.231	1471.0							
	OBS	00255	04.15	34.840	27.66		1471.5							
	OBS	00266	03.93	34.800	27.66		1470.7							
	OBS	00278	04.31	34.910	27.68		1473.4							
	STO	00300	04.65	34.92	27.67	00.255	1474.4							
	OBS	00300	04.65	34.920	27.67		1474.4							
	OBS	00300	04.65	34.920	27.67		1474.4							
	OBS	00350	04.39	34.950	27.71		1474.2							
	STO	00400	04.47	34.92	27.69	00.300	1475.3							
	OBS	00403	04.48	34.920	27.65		1475.4							
	OBS	00452	04.25	34.910	27.71		1475.1							
	STO	00500	04.31	34.93	27.72	00.345	1476.3							
	OBS	00502	04.32	34.930	27.72		1476.4							
	OBS	00552	04.45	34.930	27.70		1477.7							
	STO	00600	04.22	34.92	27.72	00.385	1477.6							
	OBS	00601	04.22	34.920	27.72		1477.6							
	OBS	00651	04.24	34.920	27.72		1478.5							
	STO	00700	04.16	34.91	27.72	00.434	1479.0							
	OBS	00700	04.16	34.910	27.72		1479.0							
	OBS	00708	04.12	34.930	27.74		1479.0							
	OBS	00742	03.83	34.920	27.76		1478.3							
	OBS	00750	03.83	34.920	27.76		1478.4							
	STO	00800	03.76	34.93	27.78	00.477	1479.0							
	OBS	00803	03.76	34.930	27.78		1479.0							
	OBS	00852	03.76	34.930	27.78		1479.9							
	STO	00900	03.70	34.93	27.78	00.518	1480.4							
	OBS	00902	03.70	34.930	27.78		1480.4							
	OBS	00951	03.71	34.930	27.78		1481.3							
	STO	01000	03.68	34.93	27.78	00.559	1482.0							
	OBS	01001	03.68	34.930	27.79		1482.0							
	STO	01100	03.69	34.92	27.78	00.601	1483.7							
	OBS	01100	03.69	34.920	27.78		1483.7							
	STO	01200	03.72	34.91	27.77	00.645	1485.3							
	OBS	01203	03.72	34.910	27.77		1485.5							
	OBS	01206	03.72	34.910	27.77		1485.6							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N D O C S T A T I O N O A T A

REFID 31 6555 YEAR 1973 BOTOP 01413 AIR TEMP 13.3 OIR HGT PER WIND-DIR 17 INST STO RECORDER TEN 30 1306  
 CDNSC 0296 MGNTM 07 SHIP EV MET BULB 13.3 22 2 2 WIND-SPO 16 TRAC DIA 0 5 SQUARE 2  
 LAT 44 19.1N DAY 06 DATA USE 1 BAROMETER 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 48.5W HOUR 22.4 AREA 05 CLOUD 7/4 C/L/T/A WEATHER 44 ORIG 011 481 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OVNUP7M	SND VEL	ORYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	07.65	32.20	25.15									
22.4	OBS	00003	07.65	32.201	25.15	00.000	1477.9							
	OBS	00007	07.64	32.185	25.14		1478.0							
	STO	00010	07.50	32.19	25.16	00.028	1477.5							
	OBS	00011	07.30	32.193	25.19		1476.7							
	OBS	00015	06.36	32.379	25.46		1473.3							
	OBS	00019	04.53	32.684	25.87		1467.9							
	STO	00020	04.75	32.74	25.93	00.053	1467.3							
	OBS	00022	04.20	32.858	26.09		1465.2							
	OBS	00026	03.36	32.543	26.24		1461.8							
	STO	00030	02.88	32.99	26.31	00.072	1455.8							
	OBS	00030	02.80	32.592	26.32		1459.5							
	OBS	00038	01.33	33.019	26.46		1453.2							
	OBS	00041	00.05	33.096	26.59		1447.6							
	OBS	00045	00.15	33.190	26.66		1448.2							
	OBS	00049	- 0.03	33.186	26.67		1447.5							
	STO	00050	- 0.12	33.19	26.67	00.103	1447.1							
	OBS	00053	- 0.63	33.218	26.72		1444.8							
	OBS	00068	- 1.14	33.330	26.83		1442.8							
	STO	00075	- 1.13	33.45	26.93	00.134	1443.1							
	OBS	00076	- 1.13	33.471	26.94		1443.2							
	STO	00100	- 0.86	33.65	27.07	00.161	1445.1							
	OBS	00102	- 0.61	33.668	27.09		1445.4							
	STO	00125	- 0.33	33.81	27.18	00.164	1446.2							
	OBS	00125	- 0.32	33.810	27.18		1446.2							
	STO	00150	00.26	33.95	27.30	00.205	1451.5							
	OBS	00152	00.32	34.015	27.32		1451.9							
	OBS	00165	00.66	34.140	27.40		1453.8							
	OBS	00175	01.68	34.500	27.46		1458.8							
	OBS	00178	02.09	34.370	27.48		1460.7							
	STO	00200	02.27	34.36	27.46	00.241	1461.9							
	OBS	00201	02.30	34.363	27.46		1462.0							
	OBS	00228	01.92	34.543	27.55		1463.4							
	STO	00250	02.71	34.52	27.55	00.270	1464.8							
	OBS	00251	02.70	34.520	27.55		1464.8							
	OBS	00277	02.68	34.570	27.59		1463.2							
	STO	00300	02.91	34.66	27.64	00.254	1466.7							
	OBS	00300	02.92	34.660	27.64		1466.8							
	OBS	00350	03.71	34.837	27.71		1471.2							
	STO	00400	03.52	34.85	27.70	00.343	1472.9							
	OBS	00403	03.93	34.853	27.70		1473.0							
	OBS	00453	03.59	34.867	27.70		1474.1							
	STO	00500	04.04	34.51	27.73	00.386	1475.1							
	OBS	00502	04.04	34.910	27.73		1475.2							
	OBS	00552	03.59	34.921	27.75		1475.8							
	STO	00600	03.54	34.92	27.75	00.428	1476.4							
	OBS	00601	03.54	34.920	27.75		1476.4							
	OBS	00651	03.91	34.927	27.76		1477.1							
	STO	00700	03.86	34.92	27.76	00.465	1477.7							
	OBS	00700	03.86	34.922	27.76		1477.7							
	OBS	00750	03.84	34.950	27.77		1478.5							
	STO	00800	03.77	34.53	27.76	00.510	1475.0							
	OBS	00803	03.77	34.530	27.78		1475.1							
	OBS	00852	03.76	34.530	27.78		1475.9							
	STO	00900	03.71	34.92	27.78	00.551	1480.4							
	OBS	00902	03.71	34.925	27.78		1480.5							
	OBS	00951	03.76	34.530	27.78		1481.5							
	STO	01000	03.71	34.53	27.79	00.592	1482.1							
	OBS	01001	03.71	34.935	27.79		1482.1							
	STO	01100	03.73	34.53	27.78	00.634	1483.9							
	OBS	01100	03.73	34.534	27.78		1483.9							
	STO	01200	03.72	34.93	27.78	00.677	1485.5							
	OBS	01203	03.72	34.930	27.78		1485.5							
	OBS	01206	03.77	34.530	27.78		1485.8							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 8555 YEAR 1973 BOTLP 00274 AIR TEMP 13.9 OIR HGT PER WIND-OIR 20 INST STO RECORDER TEN 54 1306  
CONSEC 0297 MONTH 07 SHIP EV WET BULB 13.8 25 1 3 WIND-SPO 15 TRACE OIR 0 5 SQUARE 2  
LAT 44 19.4N DAY 07 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 01.2W HOUR 00.3 AREA 05 CLOUD T/4 CL/TR WEATHER #4 ORIG 011 482 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTM	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
00.3	STO	00000	11.05	32.30	24.69	00.000	1490.7							
	085	00003	11.05	32.300	24.69		1490.8							
	085	00007	08.85	32.285	23.04		1482.8							
	STO	00010	07.22	32.20	23.21	00.030	1476.4							
	085	00011	06.46	32.160	25.28		1473.4							
	085	00015	05.07	32.067	23.38		1467.7							
	STO	00020	02.95	32.35	25.80	00.055	1455.1							
	085	00022	01.76	32.538	26.04		1454.2							
	085	00026	00.21	32.825	26.36		1447.7							
	STO	00030	-0.61	32.96	26.91	00.074	1444.1							
	085	00030	-0.70	32.982	26.53		1443.8							
	085	00034	-1.09	33.095	26.63		1442.2							
	STO	00050	-1.21	33.12	26.66	00.103	1441.9							
	085	00053	-1.29	33.128	26.67		1441.9							
	STO	00075	-1.36	33.19	26.72	00.137	1441.7							
	085	00076	-1.36	33.192	26.72		1441.7							
	STO	00100	-1.29	33.30	26.80	00.169	1442.6							
	085	00102	-1.28	33.308	26.81		1442.7							
	STO	00125	-1.12	33.41	26.89	00.199	1443.9							
	085	00125	-1.12	33.410	26.89		1444.0							
	STO	00150	-1.03	33.45	26.92	00.226	1444.9							
	085	00152	-1.01	33.460	26.93		1445.0							
	085	00175	-0.80	33.540	26.98		1446.5							
	STG	00200	-0.64	33.54	26.98	00.285	1447.6							
	085	00205	-0.61	33.633	27.05		1448.0							
	085	00213	-0.22	33.810	27.18		1450.1							
	085	00228	00.68	34.130	27.39		1454.9							
	085	00232	01.13	34.198	27.41		1457.1							
	085	00243	01.59	34.355	27.51		1459.6							
	STO	00250	02.00	34.42	27.53	00.325	1461.6							
	085	00251	02.1	34.434	27.53		1462.1							

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REFID 51 8555 YEAR 1973 BOTLP 00054 AIR TEMP 14.0 OIR HGT PER WIND-OIR 20 INST STO RECORDER TEN 54 1306  
CONSEC 0298 MONTH 07 SHIP EV WET BULB 14.0 25 1 3 WIND-SPO 18 TRACE OIR 0 5 SQUARE 2  
LAT 44 19.6N DAY 07 DATA USE 1 BAROMETR 1023.5 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 15.5W HOUR 01.5 AREA 05 CLOUD T/4 CL/TR WEATHER #4 ORIG 011 483 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTM	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
01.5	STO	00000	12.03	32.31	24.52	00.000	1494.2							
	085	00003	12.03	32.310	24.52		1494.3							
	085	00007	10.40	32.070	24.62		1488.2							
	STO	00010	06.93	32.25	25.29	00.031	1475.3							
	085	00011	05.44	32.330	25.53		1469.5							
	085	00015	04.22	32.450	25.76		1464.7							
	STO	00020	04.11	32.46	25.78	00.055	1464.2							
	085	00022	03.82	32.480	25.82		1463.1							
	085	00026	00.86	32.670	26.20		1450.4							
	STO	00030	00.09	32.87	26.41	00.074	1447.3							
	085	00330	00.03	32.850	26.45		1447.0							
	085	00034	00.00	32.880	26.42		1446.9							
	085	00045	00.02	32.870	26.41		1447.2							

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REFID 51 8555 YEAR 1973 BOTLP 00062 AIR TEMP 13.1 OIR HGT PER WIND-OIR 18 INST STO RECORDER TEN 50 1306  
CONSEC 0295 MONTH 07 SHIP EV WET BULB 13.1 25 2 2 WIND-SPO 11 TRACE OIR 0 5 SQUARE 2  
LAT 44 04.3N DAY 07 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 049 16.2W HOUR 03.1 AREA 05 CLOUD T/4 CL/TR WEATHER #4 ORIG 011 484 1 SQUARE 49

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTM	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
03.1	STO	00000	11.78	32.31	24.56	00.000	1493.3							
	085	00003	11.78	32.306	24.56		1493.4							
	085	00007	09.42	32.239	24.91		1484.8							
	STO	00010	08.14	32.34	25.19	00.031	1480.2							
	085	00011	07.50	32.378	25.31		1477.8							
	085	00015	06.12	32.368	25.48		1472.3							
	STO	00020	03.75	32.50	25.84	00.056	1462.9							
	085	00024	02.58	32.622	26.06		1457.1							
	085	00026	00.41	32.847	26.37		1446.6							
	STO	00030	00.25	32.86	26.39	00.075	1448.1							
	085	00030	00.27	32.857	26.39		1448.1							
	STO	00050	00.18	32.85	26.39	00.108	1448.0							
	085	00053	00.17	32.850	26.39		1448.0							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOO L S T A T I O N D A T A

REFID 51 8355	YEAR 1973	BOTOP JJ267	AIR TEMP 12.8	DIR HGT PER	WIND-OIR 15	INST STD RECORDER	TEN SQ 1506
CONSEC 0300	MONTH 07	SHIP EV	WET BULB 12.8	23 2 3	WIND-SPO 20	TRACE OIR 0	5 SQUARE 2
LAT 03-2N	DAY 07	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FJR	DURATION	2 SQUARE 48
LONG 049 00 W	MOJR 04.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 485	1 SQUARE 45

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SI03	PH
04.5	STO	00000	05.54	32.34	24.91	00.000	1486.8							
	OBS	00003	05.54	32.343	24.91		1486.8							
	OBS	00007	08.04	32.192	25.09		1479.5							
	STO	00010	05.50	32.30	25.46	00.028	1471.3							
	OBS	00011	05.11	32.360	25.80		1468.1							
	OBS	00015	04.68	32.450	25.75		1466.6							
	OBS	00015	03.43	32.458	25.84		1461.3							
	STO	00020	03.28	32.48	25.86	00.051	1463.7							
	OBS	00022	02.54	32.565	26.01		1457.7							
	OBS	00026	03.77	32.745	26.27		1450.1							
	STO	00030	03.20	32.76	26.31	00.071	1447.6							
	OBS	00030	00.09	32.758	26.32		1447.1							
	OBS	00034	- 0.97	33.012	26.56		1442.6							
	STO	00050	- 1.20	32.95	26.56	00.105	1441.8							
	OBS	00053	- 1.24	32.450	26.55		1441.6							
	OBS	00068	- 1.39	33.126	26.67		1441.3							
	STO	00075	- 1.35	33.13	26.67	00.138	1441.6							
	OBS	00076	- 1.35	33.125	26.67		1441.7							
	STO	00100	- 1.34	33.17	26.70	00.172	1442.2							
	OBS	00102	- 1.34	33.190	26.72		1442.2							
	STO	00125	- 0.55	33.47	26.93	00.205	1444.8							
	OBS	00125	- 0.94	33.476	26.94		1444.9							
	STO	00150	- 0.78	33.54	26.98	00.231	1446.1							
	OBS	00152	- 0.76	33.547	26.99		1446.3							
	OBS	00175	- 0.52	33.686	27.09		1446.0							
	STO	00200	- 0.44	33.68	27.08	00.282	1446.7							
	OBS	00201	- 0.43	33.652	27.08		1448.8							
	OBS	00228	- 0.28	33.764	27.14		1450.1							
	OBS	00245	- 0.36	33.850	27.19		1451.4							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOOC STATION DATA															
REFID 11 4355	YEAR 1973	BOTDP 01701	AIR TEMP 11.0	DIR HGT PER	WIND-DIR 21	INST STO RECORDER	TEN SQ 1306								
CONSEC 0301	MONTH 07	SHIP EV	WET BULB 11.0	25 1 3	WIND-SPO 15	TRACE DIR D	5 SQUARE 2								
LAT 44 35 N	DAY 07	DATA USE 1	BAROMETER 1023.4	SEA	WIND-FDR	DURATION	2 SQUARE 48								
LONG 048 48 W	MOUR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER R4	DRIG 011 486	1 SQUARE 48								
CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH	
05.9	STD	00000	07.43	32.28	25.24	00.000	1477.2								
085	00005	07.43	32.279	25.24			1477.2								
085	00007	07.45	32.277	25.24			1477.4								
STD	00010	06.93	32.29	25.32	00.027		1475.4								
085	00011	06.63	32.295	25.36			1474.2								
085	00015	05.80	32.520	25.64			1471.2								
085	00019	05.50	32.600	25.74			1470.2								
STD	00020	04.96	32.72	25.90	00.051		1468.1								
085	00022	03.65	32.940	26.19			1463.8								
085	00026	03.31	32.935	26.23			1461.6								
STD	00030	03.16	33.00	26.30	00.070		1461.1								
085	00030	03.09	33.005	26.31			1460.8								
085	00038	03.68	33.142	26.59			1450.4								
085	00045	- 0.04	33.153	26.67			1447.4								
085	00046	- 0.65	33.294	26.78			1444.7								
STD	00050	- 0.73	33.50	26.79	00.100		1444.4								
085	00053	- 1.08	33.338	26.83			1442.9								
085	00057	- 1.13	33.365	26.86			1442.7								
STD	00075	- 1.00	33.52	26.98	00.130		1443.9								
085	00076	- 0.99	33.530	26.98			1443.9								
STD	00100	- 0.62	33.62	27.06	00.156		1444.8								
085	00102	- 0.86	33.635	27.06			1445.1								
085	00114	- 0.52	33.687	27.09			1447.0								
STD	00125	- 0.40	33.78	27.16	00.180		1447.8								
085	00125	- 0.33	33.810	27.18			1448.3								
085	00144	00.05	33.680	27.22			1450.4								
STD	00150	00.27	33.52	27.24	00.202		1451.5								
085	00198	01.71	34.220	27.39			1459.2								
STD	00200	01.72	34.22	27.39	00.240		1459.3								
085	00250	02.03	34.34	27.46	00.273		1461.6								
085	00238	02.09	34.360	27.47			1462.0								
085	00270	02.45	34.510	27.56			1464.0								
085	00277	02.50	34.500	27.55			1464.3								
STD	00300	02.71	34.57	27.59	00.303		1465.7								
085	00300	02.72	34.570	27.59			1465.8								
085	00365	03.25	34.700	27.64			1469.3								
085	00386	03.35	34.720	27.65			1470.1								
STD	00400	03.50	34.78	27.69	00.352		1471.0								
085	00411	03.61	34.830	27.71			1471.8								
085	00456	03.70	34.860	27.73			1472.9								
STD	00500	03.75	34.89	27.74	00.395		1474.1								
085	00510	03.81	34.84 P	27.70 <sup>um</sup>			1475.4								
085	00555	03.80	34.910	27.75			1476.1								
STD	00600	03.88	34.91	27.75	00.436		1476.2								
085	00605	03.88	34.910	27.75			1476.2								
085	00656	03.84	34.920	27.76			1476.9								
STD	00700	03.85	34.92	27.76	00.477		1477.7								
085	00700	03.85	34.924	27.76			1477.7								
085	00750	03.82	34.925	27.77			1478.4								
STD	00800	03.76	34.93	27.78	00.518		1479.0								
085	00800	03.76	34.930	27.78			1479.0								
085	00803	03.75	34.930	27.78			1479.8								
STD	00900	03.70	34.91	27.77	00.555		1480.4								
085	00902	03.70	34.910	27.77			1480.4								
085	00951	03.70	34.930	27.78			1481.3								
STD	01000	03.71	34.94	27.78	00.601		1482.1								
085	01001	03.71	34.940	27.79			1482.1								
STD	01100	03.72	34.93	27.78	00.642		1483.8								
085	01100	03.72	34.927	27.78			1483.8								
085	01199	03.71	34.934	27.79			1485.4								

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

NOCC STATION DATA

REFID 31 0555	YEAR 1973	BJTOP 02698	AIR TEMP 12.1	DIA MGT PER	WIND-DIR 21	INST S70 RECORDER	TEN SO 1306
CONSEC 0302	MONTH 07	SHIP EV	MET BULB 12.1	27 3 3	WIND-SPO 20	TRACE DIA 0	5 SQUARE 2
LAT 44 30.2N	DAY 37	DATA USE 1	BAROMETER	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 38.2W	HOUR 07.7	AREA 05	CLOUD T/A	CL/T/A	WEATHER R4	ORIG D11 487	1 SQUARE 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
07.7	STO	00000	08.17	32.51	25.32	00.000	1480.3							
	OBS	00000	08.17	32.510	25.32		1480.3							
	STO	00010	08.06	32.51	25.33	00.027	1480.1							
	OBS	00010	08.06	32.510	25.33		1480.1							
	STO	00020	05.72	32.42	25.57	00.052	1473.9							
	OBS	00020	05.72	32.420	25.57		1470.9							
	STO	00030	06.12	33.10	26.06	00.074	1473.5							
	OBS	00030	06.12	33.100	26.06		1473.5							
	STO	00050	- 0.64	33.51	26.56	00.105	1444.9							
	OBS	00050	- 0.68	33.510	26.96		1444.9							
	OBS	00060	- 0.80	33.590	27.02		1444.6							
	STO	00075	- 0.13	33.82	27.18	00.130	1448.3							
	OBS	00075	- 0.13	33.820	27.18		1448.3							
	STO	00100	00.40	34.04	27.33	00.150	1451.4							
	OBS	00100	00.40	34.040	27.33		1451.4							
	STO	00125	01.39	34.26	27.43	00.168	1457.5							
	OBS	00125	01.39	34.260	27.43		1457.5							
	STO	00150	02.48	34.43	27.50	00.184	1462.1							
	OBS	00150	02.48	34.430	27.50		1462.1							
	OBS	00175	02.92	34.540	27.55		1464.5							
	STO	00200	03.08	34.56	27.57	00.212	1465.7							
	OBS	00200	03.08	34.590	27.57		1465.7							
	OBS	00215	02.84	34.570	27.58		1464.9							
	OBS	00225	02.85	34.590	27.59		1465.1							
	STO	00250	02.88	34.60	27.60	00.235	1465.7							
	OBS	00250	02.88	34.600	27.60		1465.7							
	OBS	00275	02.56	34.830	27.61		1466.5							
	STO	00300	03.15	34.67	27.63	00.264	1467.7							
	OBS	00300	03.15	34.670	27.63		1467.7							
	OBS	00340	03.87	34.740	27.65		1471.6							
	OBS	00350	05.72	34.730	27.62		1471.1							
	OBS	00355	03.88	34.750	27.64		1471.0							
	OBS	00375	05.97	34.830	27.65		1472.7							
	STO	00400	04.05	34.87	27.70	00.311	1473.5							
	OBS	00400	04.05	34.870	27.70		1473.5							
	OBS	00450	04.34	34.920	27.71		1475.6							
	STO	00500	04.12	34.90	27.72	00.355	1475.5							
	OBS	00500	04.12	34.900	27.72		1475.5							
	OBS	00550	04.12	34.910	27.72		1476.3							
	STO	00600	04.04	34.91	27.73	00.395	1476.8							
	OBS	00600	04.04	34.910	27.73		1476.8							
	OBS	00630	03.99	34.910	27.74		1477.4							
	STO	00700	04.13	34.93	27.74	00.442	1478.9							
	OBS	00700	04.13	34.930	27.74		1478.9							
	OBS	00750	03.91	34.900	27.74		1478.7							
	STO	00800	03.87	34.90	27.74	00.486	1479.4							
	OBS	00800	03.87	34.900	27.74		1479.4							
	OBS	00850	03.86	34.900	27.74		1480.2							
	STO	00900	03.77	34.90	27.75	00.530	1480.6							
	OBS	00900	03.77	34.900	27.75		1480.6							
	OBS	00950	03.74	34.900	27.76		1481.3							
	STO	01000	03.74	34.90	27.76	00.575	1482.2							
	OBS	01000	03.74	34.900	27.76		1482.2							
	STO	01100	03.70	34.90	27.76	00.618	1483.7							
	OBS	01100	03.70	34.900	27.76		1483.7							
	STO	01200	03.70	34.91	27.77	00.662	1485.4							
	OBS	01200	03.70	34.910	27.77		1485.4							
	OBS	01210	03.70	34.910	27.77		1485.5							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

W O O C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BJTDP 03255 AIR TEMP 13.0 OIR MGT PER WIND-OIR 17 INST STO RECORDER TEN SO 1506  
 CONSEC 0305 MONTH 07 SHIP EV WET BULB 13.0 22 3 4 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 44 05.4N DAY 07 OATA USE 1 BAROMETR 1023.2 SEA MIND-FDR DURATION 2 SQUARE 48  
 LONG 048 23 W MDJR 05.8 AREA 05 CLOUD 7/A CL/TR WEATHER X4 ORIG Q11 488 1 SQUARE 48

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
09.6	STO	00000	09.37	32.67	25.26	00.000	1485.1							
	OBS	00000	09.37	32.670	25.26		1485.1							
	OBS	00007	09.33	32.650	25.25		1485.0							
	STO	00010	08.96	32.56	25.23	00.027	1483.5							
	OBS	00011	08.60	32.540	25.28		1482.2							
	OBS	00019	04.88	32.970	26.10		1468.1							
	STO	00020	04.71	33.02	26.16	00.050	1467.5							
	OBS	00022	04.40	33.140	26.29		1466.4							
	OBS	00026	04.35	33.210	26.35		1466.4							
	STO	00030	04.09	33.25	26.41	00.068	1465.2							
	OBS	00030	04.04	33.260	26.42		1465.2							
	OBS	00034	03.35	33.410	26.60		1462.7							
	OBS	00038	03.09	33.420	26.64		1461.5							
	OBS	00045	01.50	33.540	26.86		1454.8							
	STO	00050	01.02	33.54	26.89	00.096	1452.7							
	OBS	00053	00.73	33.540	26.91		1451.5							
	OBS	00057	00.45	33.740	27.09		1450.5							
	OBS	00072	00.41	33.910	27.23		1450.8							
	STO	00075	00.40	33.97	27.27	00.121	1451.2							
	OBS	00080	00.71	34.040	27.31		1452.5							
	OBS	00083	01.05	34.050	27.30		1454.1							
	STO	00100	01.49	34.22	27.41	00.135	1456.6							
	OBS	00102	01.63	34.250	27.42		1457.3							
	OBS	00110	02.12	34.340	27.46		1456.7							
	STO	00125	02.35	34.36	27.45	00.156	1461.1							
	OBS	00125	02.40	34.360	27.45		1461.2							
	OBS	00135	02.20	34.380	27.48		1460.5							
	OBS	00140	02.54	34.390	27.46		1462.1							
	OBS	00146	02.32	34.400	27.49		1461.3							
	STO	00150	02.33	34.45	27.52	00.171	1461.4							
	OBS	00152	02.40	34.490	27.55		1461.8							
	OBS	00156	02.68	34.520	27.55		1463.1							
	OBS	00163	02.60	34.520	27.56		1462.9							
	OBS	00175	02.66	34.510	27.55		1463.4							
	OBS	00198	02.61	34.530	27.57		1463.5							
	STO	00200	02.76	34.56	27.58	00.195	1464.2							
	OBS	00201	02.87	34.580	27.58		1464.8							
	OBS	00213	03.19	34.590	27.56		1466.4							
	OBS	00217	02.93	34.580	27.58		1465.3							
	OBS	00220	02.92	34.640	27.63		1465.4							
	OBS	00228	03.29	34.730	27.66		1467.2							
	STO	00250	03.57	34.75	27.68	00.223	1468.9							
	OBS	00251	03.55	34.750	27.68		1465.0							
	OBS	00276	04.24	34.870	27.68		1472.3							
	OBS	00285	04.33	34.870	27.67		1472.8							
	OBS	00297	04.05	34.850	27.68		1471.8							
	STO	00300	04.11	34.86	27.68	00.246	1472.0							
	OBS	00304	04.18	34.870	27.69		1472.5							
	OBS	00350	04.25	34.670	27.67		1473.7							
	STO	00400	04.51	34.53	27.69	00.251	1475.5							
	OBS	00403	04.53	34.950	27.69		1475.6							
	OBS	00453	04.18	34.950	27.73		1475.0							
	STO	00500	04.06	34.52	27.73	00.335	1475.4							
	OBS	00502	04.09	34.520	27.73		1475.4							
	OBS	00552	04.05	34.520	27.74		1476.1							
	STO	00600	04.03	34.92	27.74	00.377	1476.8							
	OBS	00601	04.03	34.520	27.74		1476.8							
	OBS	00651	03.59	34.930	27.75		1477.5							
	STO	00700	03.51	34.52	27.75	00.415	1477.9							
	OBS	00700	03.91	34.520	27.75		1477.9							
	OBS	00750	03.90	34.930	27.76		1478.7							
	STO	00800	03.92	34.53	27.76	00.461	1479.6							
	OBS	00803	03.92	34.930	27.76		1479.7							
	OBS	00852	03.86	34.930	27.77		1460.3							
	STO	00900	03.83	34.93	27.77	00.503	1460.9							
	OBS	00902	03.83	34.930	27.77		1461.0							
	OBS	00951	03.63	34.520	27.77		1461.8							
	STO	01000	03.64	34.53	27.77	00.546	1462.6							
	OBS	01001	03.84	34.950	27.77		1462.7							
	STO	01100	03.80	34.54	27.78	00.585	1464.2							
	OBS	01106	03.60	34.540	27.76		1464.2							
	STO	01200	03.73	34.95	27.78	00.632	1465.5							
	OBS	01203	03.73	34.530	27.76		1465.6							
	OBS	01210	03.72	34.530	27.76		1465.7							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
13 June-14 July 1973.—Continued

N O B C S T A T I O N O A T A

REFID 31 8355 YEAR 1973 BOTOP 35516 AIR TEMP 12.5 OJR HGT PER WIND-DIR 24 INST STO RECORDER TEN SW 1300  
 CONSEC 0304 MONTH 07 SHIP EV WET BULB 12.5 19 2 3 WIND-SPD 20 TRACE DIR 0 S SQUARE 2  
 LAT 44 07.7N DAY 07 DATA USE 1 SEA WEATHER WIND-FOR DURATION 1 SQUARE 48  
 LONG 048 07.0W HOUR 12.5 AREA 05 CLOUD TPA CL/FR WEATHER X4 DRIG 011 489 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SHO VEL	DAYG	P04	TOT P	NO2	NO3	S103	PH
12.5	STO	00020	08.98	32.51	25.20	00.000	1483.4							
	OBS	00003	08.98	32.510	25.20		1483.5							
	OBS	00007	08.55	32.410	25.18		1481.8							
	STO	00010	08.22	32.32	25.16	00.028	1480.5							
	OBS	00011	07.51	32.300	25.19		1479.2							
	OBS	00019	04.69	32.560	25.80		1466.8							
	STO	00020	04.57	32.63	25.87	00.053	1466.4							
	OBS	00022	04.35	32.790	26.05		1464.5							
	OBS	00026	02.95	32.530	26.26		1460.0							
	STO	00030	01.65	33.06	26.47	00.071	1454.5							
	OBS	00030	01.49	33.070	26.49		1453.9							
	OBS	00038	- 0.52	33.230	26.72		1445.1							
	OBS	00041	- 0.97	33.300	26.80		1443.1							
	OBS	00049	- 1.18	33.350	26.84		1442.3							
	STO	00050	- 1.17	33.35	26.84	00.099	1442.4							
	OBS	00053	- 1.14	33.350	26.84		1442.6							
	STO	00075	- 0.99	33.55	27.00	00.128	1443.9							
	OBS	00076	- 0.98	33.560	27.01		1444.0							
	STO	00100	- 0.70	33.67	27.09	00.153	1445.9							
	OBS	00102	- 0.65	33.650	27.10		1446.2							
	STO	00125	- 0.16	33.87	27.22	00.176	1449.0							
	OBS	00125	- 0.15	33.870	27.22		1449.1							
	OBS	00137	00.10	33.900	27.24		1450.5							
	OBS	00140	01.09	34.130	27.36		1455.3							
	OBS	00146	03.61	34.400	27.37		1466.8							
	STO	00150	04.02	34.46	27.38	00.196	1468.7							
	OBS	00152	04.55	34.550	27.39		1471.1							
	OBS	00156	05.38	34.700	27.41		1474.7							
	OBS	00171	04.70	34.580	27.40		1472.0							
	OBS	00175	04.52	34.550	27.39		1471.3							
	OBS	00179	04.25	34.500	27.39		1470.1							
	STO	00200	04.30	34.58	27.44	00.231	1470.9							
	OBS	00201	04.34	34.590	27.45		1471.1							
	OBS	00205	04.54	34.640	27.46		1472.1							
	OBS	00220	05.24	34.760	27.47		1475.5							
	OBS	00226	05.35	34.800	27.50		1475.9							
	OBS	00232	05.37	34.880	27.56		1476.2							
	OBS	00236	05.67	34.930	27.56		1477.5							
	STO	00250	05.75	34.93	27.55	00.262	1478.1							
	OBS	00251	05.76	34.930	27.55		1478.1							
	OBS	00270	05.35	34.900	27.58		1476.8							
	OBS	00278	05.25	34.880	27.57		1476.5							
	STO	00300	04.98	34.87	27.60	00.290	1475.7							
	OBS	00300	04.97	34.870	27.60		1475.7							
	OBS	00350	04.99	34.920	27.63		1476.6							
	STO	00400	04.92	34.93	27.65	00.342	1477.2							
	OBS	00403	04.92	34.930	27.65		1477.2							
	OBS	00455	04.85	34.940	27.67		1477.8							
	STO	00500	04.72	34.94	27.68	00.390	1478.0							
	OBS	00502	04.71	34.940	27.68		1478.0							
	OBS	00552	04.64	34.940	27.69		1478.5							
	STO	00600	04.62	34.94	27.69	00.438	1479.3							
	STO	00700	04.46	34.94	27.71	00.486	1480.3							
	OBS	00750	04.32	34.940	27.73		1480.5							
	STO	00800	04.09	34.93	27.75	00.531	1480.4							
	OBS	00849	03.91	34.930	27.76		1480.4							
	STO	00900	03.88	34.93	27.76	00.574	1481.1							
	STO	01000	03.83	34.92	27.76	00.617	1482.6							
	STO	01100	03.81	34.92	27.76	00.661	1484.2							
	OBS	01100	03.81	34.920	27.76		1484.2							
	STO	01200	03.81	34.94	27.78	00.706	1485.9							
	OBS	01214	03.81	34.940	27.78		1486.1							

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TABLE III. Observed oceanographic data occupied by USCGC EVERGREEN,  
18 June-14 July 1973.—Continued

N O D C S T A T I O N O A T A

REF ID	31	8155	YEAR	1973	80TOP	03050	AIR TEMP	14.0	DIA	MGT	PEK	WIND-OIR	18	INST	STD	RECDROER	TEN	SG	1306	
CGNSEC		0305	MONTH	07	SHIP	EV	WET	BULB	14.0	18	2	2	WIND-SPO	14	TRACE	DIA	0	5	SQJARE	2
LAT	05.3N		DAY	07	DATA	USE	1	8ARDMETR	1022.6	SEA		WIND-FJR		DURATION			2	SQJARE	46	
LONG	0-7 34.3W		MOJR	14.9	AREA	05		CLOUD	T/A	CL/T/A		WEATHER	46	ORIG	011	490	1	SQJARE	47	

CASSTNUN/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNV	VEL	DAYG	PD4	TOT P	NO2	NO3	SID3	PH
	STD	00000	10.55	32.00	25.00	00.000	1409.4								
14.5	065	00003	10.55	32.000	25.00		1409.5								
	STD	00010	10.51	33.20	25.48	00.027	1409.4								
	085	00019	10.45	33.050	25.84		1409.6								
	STD	00020	10.34	33.00	25.89	00.050	1409.2								
	085	00022	09.52	33.720	25.95		1409.0								
	085	00026	09.12	33.050	26.06		1405.8								
	STD	00030	08.00	33.53	26.15	00.070	1401.5								
	085	00030	07.84	33.530	26.17		1403.9								
	085	00034	06.08	33.580	26.44		1474.1								
	085	00049	09.05	34.050	26.85		1407.4								
	STD	00050	08.57	34.05	26.87	00.101	1407.0								
	085	00053	08.46	34.060	26.96		1405.1								
	085	00066	08.37	34.740	27.03		1405.1								
	085	00072	08.18	34.720	27.05		1404.4								
	STD	00075	08.18	34.72	27.05	00.125	1404.5								
	085	00078	08.18	34.720	27.05		1404.5								
	085	00087	08.09	34.720	27.06		1404.3								
	085	00095	07.36	34.580	27.06		1401.5								
	STD	00100	07.42	34.64	27.10	00.155	1401.9								
	085	00102	07.45	34.670	27.12		1402.1								
	085	00114	07.54	34.720	27.14		1402.7								
	STD	00125	07.34	34.70	27.15	00.179	1402.0								
	085	00129	07.19	34.690	27.17		1401.5								
	085	00137	06.83	34.880	27.21		1400.2								
	STD	00150	07.18	34.74	27.21	00.202	1401.8								
	085	00152	07.19	34.750	27.22		1402.0								
	085	00175	07.09	34.770	27.25		1402.0								
	085	00198	06.81	34.740	27.28		1401.2								
	STD	00200	06.73	34.74	27.27	00.245	1400.9								
	085	00201	06.07	34.740	27.28		1400.7								
	085	00232	06.45	34.840	27.39		1400.5								
	085	00247	06.54	34.500	27.42		1401.2								
	STD	00250	06.34	34.86	27.42	00.285	1400.4								
	085	00251	06.27	34.850	27.42		1400.1								
	085	00266	06.33	34.860	27.42		1400.6								
	085	00274	05.63	34.730	27.41		1477.7								
	085	00278	05.56	34.800	27.47		1477.6								
	085	00281	05.80	34.800	27.47		1477.8								
	STD	00300	06.43	34.55	27.48	00.316	1401.7								
	085	00300	06.45	34.950	27.48		1401.8								
	085	00304	06.54	34.950	27.46		1402.2								
	085	00316	06.37	34.940	27.48		1401.7								
	085	00351	05.62	34.930	27.54		1478.9								
	085	00335	05.72	34.910	27.54		1475.3								
	085	00350	05.57	34.920	27.57		1475.0								
	085	00392	05.92	34.980	27.57		1401.4								
	STD	00400	05.68	34.97	27.59	00.375	1400.5								
	085	00403	05.58	34.960	27.60		1400.0								
	085	00453	05.05	34.940	27.64		1478.8								
	STD	00500	04.95	34.94	27.66	00.432	1475.0								
	085	00501	04.94	34.940	27.66		1479.0								
	085	00552	04.78	34.940	27.67		1479.1								
	STD	00600	04.62	34.94	27.69	00.482	1475.3								
	085	00601	04.82	34.940	27.69		1475.3								
	085	00651	04.51	34.930	27.70		1479.6								
	STD	00700	04.40	34.95	27.71	00.529	1400.0								
	085	00700*	04.40	34.950	27.71		1400.0								
	085	00750	04.33	34.940	27.72		1400.5								
	STD	00800	04.26	34.93	27.73	00.574	1401.1								
	085	00803	04.25	34.930	27.73		1401.1								
	085	00852	04.13	34.920	27.73		1401.4								
	STD	00900	04.09	34.93	27.74	00.621	1402.0								
	085	00902	04.05	34.930	27.74		1402.1								
	085	00951	04.04	34.920	27.74		1402.7								
	STD	01000	03.57	34.95	27.77	00.665	1403.2								
	085	01001	03.97	34.950	27.77		1403.2								
	STD	01100	03.87	34.94	27.77	00.705	1404.5								
	085	01100	03.87	34.940	27.77		1404.5								
	085	01153	03.82	34.940	27.78		1405.1								
	STD	01200	03.85	34.92	27.76	00.754	1400.0								
	085	01203	03.85	34.920	27.76		1400.1								
	085	01210	03.85	34.930	27.77		1400.2								

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.

N D O C S T A T I O N O A T A  
A R C H I V E L I S T I N G

REFID	31 2142	YEAR	1973	BOTOP	J5249	AIR TEMP	15.3	DIR HGT PER		WIND-DIR	03	INST NANSEN CAST	TEN SQ 1207
CONSEC	0001	MONTH	01	SHIP CM		MET BULB	12.0		24 6 4	WIND-SPD	04	TRACE DIR	5 SQUARE 3
LAT	37 21 N	DAY	31	DATA USE	1	BAROMETER	1025.6	SEA		WIND-FOR		DURATION	2 SQUARE 80
LONG	050 21.5W	MOJR	22-2	AREA	05	CLOUD T/A	4/6	CL/TR		WEATHER	X1	DRIG A4 027	1 SQUARE 70

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.2	STO	00000	18.25	36.40	26.30	00.000	1518.9							
	085	00020	18.25	36.401	26.30		1518.9							
	STO	00010	18.25	36.40	26.30	00.017	1519.1							
	STO	00020	18.25	36.40	26.30	00.055	1519.2							
22.2	085	00025	18.26	36.403	26.30		1519.3							
	STO	00030	18.25	36.40	26.30	00.052	1519.4							
	STO	00050	18.21	36.40	26.31	00.087	1519.6							
22.2	085	00050	18.21	36.397	26.31		1519.6							
	STO	00075	18.13	36.38	26.31	00.131	1519.8							
22.2	085	00075	18.13	36.382	26.31		1519.8							
	STO	00100	18.03											
	085	00100	18.03											
	STO	00125	18.03											
	STO	00150	18.03											
22.2	085	00150	18.03											
	STO	00200	17.84											
22.2	085	T00205	17.83											
	STO	00250	17.79											
	STO	00300	17.75											
22.2	085	00305	17.75											
	STO	00400	17.16											
22.2	085	T00405	17.12											
	STO	00500	15.99											
22.2	085	00510	15.86											
	STO	00600	14.60											
22.2	085	T00610	14.44											
	STO	00700	12.35											
	STO	00800	10.47											
22.2	085	T00810	10.31											
	STO	00900	09.26											
	STO	01000	08.21											
22.2	085	T01015	08.06											
22.2	085	01525		34.991										
	STO	01750		34.99										
00.6	085	T01938	04.01											
	STO	02000	03.96	34.99	27.80		1500.0							
00.6	085	T02425	03.63											
	STO	02500	03.57	34.98	27.84		1506.5							
00.6	085	T02915	03.25											
	STO	03000	03.19	34.98	27.87		1513.9							
00.6	085	T03423	02.86	34.977	27.90		1519.9							

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REFID	11 2142	YEAR	1973	BOTOP	05237	AIR TEMP	15.5	DIR HGT PER		WIND-DIR	33	INST NANSEN CAST	TEN SQ 1207
CONSEC	0002	MONTH	02	SHIP CM		MET BULB	13.0		24 3 4	WIND-SPD	25	TRACE DIR	5 SQUARE 3
LAT	37 49 N	DAY	01	DATA USE	1	BAROMETER	1025.2	SEA		WIND-FOR		DURATION	2 SQUARE 80
LONG	050 20 W	MOJR	05.3	AREA	05	CLOUD T/A	3/1	CL/TR		WEATHER	X1	DRIG A4 027	1 SQUARE 70

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DAYG	PO4	TOT P	NO2	NO3	SIO3	PH
05.3	STO	00000	18.06	36.42	26.36	00.000	1518.4							
	085	00000	18.06	36.424	26.35		1518.4							
	STO	00010	18.08	36.42	26.36	00.017	1518.6							
	STO	00020	18.09	36.42	26.35	00.034	1518.8							
05.3	085	00021	18.09	36.420	26.35		1518.8							
	STO	00030	18.09	36.42	26.35	00.050	1518.9							
05.3	085	00036	18.09	36.416	26.35		1519.1							
	STO	00050	18.08	36.42	26.36	00.084	1519.3							
05.3	085	00062	18.08	36.421	26.36		1519.4							
	STO	00075	18.08	36.42	26.35	00.127	1519.7							
05.3	085	00081	18.08	36.415	26.35		1519.7							
	STO	00100	18.08	36.42	26.35	00.170	1520.1							
	STO	00125	18.08	36.42	26.35	00.213	1520.5							
05.3	085	00125	18.06	36.418	26.35		1520.5							
	STO	00150	18.10	36.42	26.35	00.254	1520.9							
05.3	085	T00170	18.10	36.418	26.35		1521.3							
	STO	00200	18.06	36.42	26.36	00.343	1521.7							
	STO	00250	18.02	36.43	26.38	00.430	1522.4							
05.3	085	00260	18.02	36.431	26.38		1522.5							
	STO	00300	18.02	36.43	26.38	00.518	1523.2							
05.3	085	00352	18.03	36.425	26.37		1524.1							
	STO	00400	17.98	36.43	26.48	00.690	1523.5							
05.3	085	00445	17.19	36.426	26.58		1523.1							
	STO	00500	16.80	36.35	26.62	00.855	1522.8							
05.3	085	T00538	16.48	36.293	26.65		1522.4							
	STO	00600	16.05	36.21	26.68	01.013	1522.0							
	STO	00700	14.92	36.02	26.79	01.165	1519.9							
	STO	00800	13.26	35.77	26.95	01.305	1515.8							
05.3	085	T00626	12.74	35.697	27.00		1514.4							
	STO	00900	10.94	35.45	27.15	01.428	1505.1							
05.3	085	T00935	10.17	35.346	27.21		1506.8							
05.3	085	T01451	04.87	35.042	27.74		1496.6							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.—Continued

N D O C S T A T I O N D A T A

REF ID 31 2142 YEAR 1973 BOTOP 05172 AIR TEMP 14.4 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0003 MONTH 02 SHIP CM MET BULB 12.5 WIND-SPD 25 TRACE DIR 5 SQUARE 3  
 LAT 38 20 N DAY 01 DATA USE 1 BAROMETR 1021.0 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80  
 LONG 050 18 W HOUR 04.5 AREA 05 CLOUD T/A 3/5 WEATHER X8 ORIG\_A4 027 1 SQUARE 80

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	00000	17.91	36.42	26.40	00.000	1517.9							
09.5	OBS	00000	17.91	36.422	26.40		1517.9							
	STO	00010	17.95	36.42	26.39	00.016	1518.2							
09.5	OBS	00019	17.97											
	STO	00020	17.97	36.42	26.39	00.033	1518.4							
	STO	00050	17.96	36.42	26.39	00.050	1518.6							
09.5	OBS	00057	17.96	36.425	26.39		1518.7							
	STO	00050	17.95	36.41	26.38	00.083	1518.9							
09.5	OBS	00055	17.95	36.412	26.38		1518.9							
09.5	OBS	00073	17.96	36.416	26.38		1519.3							
	STO	00075	17.96	36.42	26.38	00.125	1519.3							
	STO	00100	17.97	36.41	26.38	00.167	1519.8							
09.5	OBS	00109	17.98	36.414	26.38		1519.9							
	STO	00125	17.99	36.41	26.37	00.209	1520.2							
09.5	OBS	T00143	18.00	36.416	26.37		1520.5							
	STO	00150	18.00	36.41	26.37	00.252	1520.6							
	STO	00200	17.99	36.42	26.38	00.338	1521.4							
09.5	OBS	00210	17.99	36.416	26.38		1521.6							
	STO	00250	17.98	36.39	26.36	00.425	1522.2							
09.5	OBS	T00253	17.98	36.390	26.36		1522.3							
	STO	00300	17.77	36.39	26.41	00.513	1522.4							
09.5	OBS	00355	17.68	36.402	26.44		1522.7							
09.5	OBS	T00362	17.67	36.436	26.47		1523.7							
	STO	00400	17.67	36.43	26.47	00.684	1523.8							
	STO	00500	17.61	36.42	26.47	00.856	1525.3							
09.5	OBS	T00517	17.60	36.419	26.47		1525.5							
	STO	00600		36.32										
09.5	OBS	00645		36.254										
	STO	00700		36.15										
	STO	00800		35.93										
	STO	00900		35.65										
	STO	01000		35.31										
09.5	OBS	T01013	00.37	35.257	27.28		1505.1							

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REF ID 31 2142 YEAR 1973 BOTOP 05216 AIR TEMP 06.8 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0004 MONTH 02 SHIP CM MET BULB 03.6 WIND-SPD 15 TRACE DIR 5 SQUARE 3  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1038.5 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80  
 LONG 050 21 W HOUR 11.7 AREA 05 CLOUD T/A 8/7 WEATHER X1 ORIG\_A4 027 1 SQUARE 80

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
	STO	00000	19.07	36.34	26.05	00.000	1521.1							
11.7	OBS	00000	19.07	36.344	26.05		1521.1							
	STO	00010	19.14	36.35	26.04	00.020	1521.4							
	STO	00020	19.13	36.35	26.04	00.040	1521.6							
11.7	OBS	00024	19.13	36.349	26.04		1521.7							
	STO	00030	19.12	36.35	26.04	00.060	1521.8							
11.7	OBS	00044	19.10	36.352	26.05		1522.0							
	STO	00050	19.07	36.34	26.04	00.099	1521.9							
11.7	OBS	00068	18.91	36.318	26.07		1521.8							
	STO	00075	18.80	36.32	26.10	00.149	1521.6							
11.7	OBS	00085	18.63	36.326	26.15		1521.3							
	STO	00100	18.62	36.34	26.16	00.197	1521.5							
	STO	00125	18.50	36.37	26.21	00.244	1521.6							
11.7	OBS	00134	18.43	36.378	26.24		1521.6							
	STO	00150	18.25	36.35	26.26	00.290	1521.3							
11.7	OBS	00160	17.78	36.235	26.29		1520.3							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.-Continued

NOOD STATION DATA

REFID 31 2142 YEAR 1973 BOTOP 05220 AIR TEMP 05.8 DIR MGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0005 MONTH 02 SHIP CM MET BULB 03.8 31 9 5 WIND-SPO 30 TRACE DIR 5 SQUARE 3  
 LAT 39 50 N DAY 02 DATA USE 1 BAROMETR 1038.0 SEA WIND-FOR DURATION 2 SQUARE 80  
 LONG 050 20 W HOUR 15.3 AREA 05 CLOUD T/A 4/6 CL/TR WEATHER X1 ORIG \_44 027 1 SQUARE 90

CSTN/JM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	13.07	35.29	26.56	00.000	1501.4							
15.3	OBS	00000	13.07	35.291	26.59		1501.4							
	STD	00010	13.10	35.25	26.56	00.015	1501.7							
	STD	00020	13.11	35.23	26.59	00.029	1501.9							
15.3	OBS	00020	13.11	35.254	26.59		1501.9							
	STD	00030	13.11	35.25	26.58	00.044	1502.0							
15.3	OBS	00038	13.11	35.250	26.58		1502.2							
	STD	00050	13.11	35.25	26.58	00.073	1502.4							
15.3	OBS	00062	13.13	35.258	26.58		1502.6							
	STD	00075	13.17	35.28	26.59	00.110	1503.0							
15.3	OBS	00080	13.18	35.282	26.59		1503.1							
	STD	00100	13.20	35.30	26.60	00.147	1503.5							
15.3	OBS	00120	13.28	35.311	26.59		1504.2							
	STD	00125	13.35	35.34	26.60	00.184	1504.5							
	STD	00150	13.56	35.44	26.63	00.221	1505.8							
15.3	OBS	T00160	13.63	35.464	26.64		1506.2							
	STD	00200	13.27	35.47	26.72	00.292	1505.6							
15.3	OBS	00237	12.82	35.477	26.82		1504.7							
	STD	00250	12.84	35.46	26.84	00.359	1504.3							
	STD	00300	11.80	35.40	26.95	00.421	1502.2							
15.3	OBS	T00309	11.62	35.381	26.98		1501.7							
15.3	OBS	00375	10.11	35.232	27.13		1497.2							
	STD	00400	09.78	35.20	27.16	00.530	1496.4							
15.3	OBS	T00436	09.27	35.151	27.21		1495.1							
	STD	00500	08.40	35.15	27.35	00.622	1492.8							
	STD	00600	07.17	35.13	27.52	00.697	1489.8							
15.3	OBS	T00613	07.03	35.126	27.53		1489.4							
15.3	OBS	00676		35.110										
	STD	00700		35.11										
	STD	00800		35.10										
	STD	00900		35.09										
	STD	01000		35.08										
15.3	OBS	T01020	04.78	35.081	27.79		1487.1							

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REFID 31 2142 YEAR 1973 BOTOP 04405 AIR TEMP 05.0 DIR MGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1507  
 CONSEC 0006 MONTH 02 SHIP CM MET BULB 02.8 30 9 5 WIND-SPO 20 TRACE DIR 5 SQUARE 1  
 LAT 43 19 N DAY 02 DATA USE 1 BAROMETR 1037.4 SEA WIND-FOR DURATION 2 SQUARE 80  
 LONG 050 11 W HOUR 18.8 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER A1 ORIG \_44 027 1 SQUARE 90

CSTN/JM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	14.17	35.58	26.61	00.000	1505.4							
18.8	OBS	00000	14.17	35.577	26.61		1505.4							
	STD	00010	14.13	35.57	26.62	00.014	1505.5							
	STD	00020	14.08	35.55	26.61	00.029	1505.5							
	STD	00030	14.04	35.53	26.60	00.043	1505.5							
18.8	OBS	00035	14.02	35.510	26.59		1505.4							
	STD	00050	13.69	35.45	26.62	00.072	1504.5							
18.8	OBS	00065	13.37	35.376	26.63		1503.6							
	STD	00075	13.07	35.30	26.63	00.108	1502.7							
	STD	00100	12.71	35.20	26.62	00.144	1501.8							
18.8	OBS	00100	12.71	35.200	26.62		1501.8							
	STD	00125	12.53	35.26	26.62	00.181	1503.1							
18.8	OBS	00130	12.59	35.274	26.63		1503.3							
	STD	00150	13.00	35.44	26.75	00.214	1503.9							
18.8	OBS	00155	13.03	35.646	26.91		1505.0							
	STD	00200	12.55	35.64	26.92	00.280	1504.8							
	STD	00250	12.12	35.57	27.02	00.357	1502.7							
18.8	OBS	T00260	11.94	35.550	27.05		1502.2							
	STD	00300	10.92	35.41	27.13	00.390	1499.1							
18.8	OBS	00351	09.01	35.201	27.29		1493.4							
	STD	00400	08.87	35.19	27.31	00.484	1493.0							
18.8	OBS	T00481	07.68	35.144	27.45		1489.8							
	STD	00500	07.42	35.14	27.49	00.561	1489.1							
	STD	00600	06.30	35.12	27.63	00.624	1486.3							
18.8	OBS	00656	05.83	35.108	27.68		1485.3							
	STD	00700	05.59	35.11	27.71	00.676	1485.1							
18.8	OBS	T00776	05.23	35.095	27.75		1484.9							
	STD	00800	05.15	35.09	27.75	00.724	1485.0							
	STD	00900	04.85	35.07	27.77	00.768	1485.4							
	STD	01000	04.39	35.06	27.79	00.812	1485.9							
18.8	OBS	T01047	04.47	35.052	27.80		1486.2							
	STD	01100		35.05										
	STD	01200		35.04										
	STD	01300		35.03										
18.8	OBS	01308		35.034										
	STD	01400		35.03										
	STD	01500		35.03										
	STD	01750		35.02										
18.8	OBS	T01967	03.60	35.020	27.86		1498.0							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.--Continued

M O O C S T A T I O N D A T A

REF ID 31 2142 YEAR 1973 BOTOP 03875 AIR TEMP 04.7 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1307  
CONSEC 0007 MONTH 02 SHIP CM MET BULB 01.5 31 7 4 WIND-SPD 14 TRACE DIR 5 SQUARE 1  
LAT 43 50 N DAY 02 BAROMETER 1038.5 SEA WIND-FOR DURATION 2 SQUARE 00  
LONG 050 22 W HOUR 22.6 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER R1 ORIG \_A4 027 1 SQUARE 00

CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	MO2	MO3	SIO3	PH
22.6	STO	00000	16.53	36.20	26.56	00.000	1513.6							
	OBS	00000	16.53	36.201	26.56		1513.6							
	STO	00010	16.54	36.20	26.56	00.015	1513.8							
	STO	00020	16.55	36.20	26.56	00.030	1514.0							
22.6	OBS	00024	16.55	36.201	26.56		1514.1							
	STO	00030	16.55	36.20	26.56	00.045	1514.2							
22.6	OBS	00047	16.56											
	STO	00050	16.56	36.20	26.56	00.075	1514.5							
22.6	OBS	00073	16.54	36.202	26.56		1514.6							
	STO	00075	16.54	36.20	26.56	00.112	1514.6							
22.6	OBS	00095	16.52	36.193	26.56		1515.1							
	STO	00100	16.54	36.21	26.57	00.150	1515.3							
	STO	00125	16.60	36.26	26.56	00.186	1516.1							
22.6	OBS	00143	16.74	36.258	26.56		1516.6							
	STO	00150	16.59	36.24	26.58	00.226	1516.3							
22.6	OBS	T00150	15.72	36.135	26.70		1514.2							
	STO	00200	15.53	36.11	26.73	00.258	1515.7							
	STO	00250	14.51	35.98	26.85	00.365	1511.1							
22.6	OBS	00285	13.73	35.870	26.93		1509.0							
	STO	00300	13.36	35.81	26.96	00.427	1508.0							
22.6	OBS	T00381	11.32	35.496	27.12		1502.0							
	STO	00400	10.74	35.42	27.17	00.536	1500.2							
22.6	OBS	00477	08.60	35.204	27.33		1494.1							
	STO	00500	08.40	35.18	27.38	00.627	1492.9							
22.6	OBS	T00574	07.24	35.129	27.51		1489.6							
	STO	00600	06.90	35.11	27.54	00.659	1488.7							
	STO	00700	05.81	35.06	27.64	00.760	1485.9							
	STO	00800	05.03	35.03	27.71	00.812	1484.4							
22.6	OBS	T00871	04.67	35.018	27.75		1484.1							
	STO	00900	04.60	35.02	27.76	00.858	1484.3							
22.6	OBS	T00985	04.42	35.025	27.78		1484.9							
22.6	OBS	T01511	03.94	35.050	27.84		1491.8							

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REF ID 31 2142 YEAR 1973 BOTOP 03880 AIR TEMP 04.9 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1307  
CONSEC 0006 MONTH 02 SHIP CM MET BULB 01.4 00 0 X WIND-SPD 05 TRACE DIR 5 SQUARE 1  
LAT 41 20 N DAY 03 BAROMETER 1037.3 SEA WIND-FOR DURATION 2 SQUARE 00  
LONG 050 21 W HOUR 02.3 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG \_A4 027 1 SQUARE 10

CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	MO2	MO3	SIO3	PH
02.3	STO	00000	14.31	35.65	26.67	00.000	1502.0							
	OBS	00000	14.31	35.686	26.67		1506.0							
	STO	00010	14.32	35.68	26.66	00.014	1506.2							
	STO	00020	14.33	35.68	26.66	00.028	1506.4							
02.3	OBS	00024	14.34											
	STO	00030	14.32	35.68	26.66	00.042	1506.6							
02.3	OBS	00047	14.28	35.669	26.66		1506.7							
	STO	00050	14.27	35.67	26.66	00.070	1506.7							
02.3	OBS	00071	14.23	35.659	26.66		1506.9							
	STO	00075	14.23	35.66	26.66	00.105	1507.0							
02.3	OBS	00094	14.23	35.648	26.66		1507.3							
	STO	00100	14.21	35.65	26.66	00.140	1507.3							
	STO	00125	14.13	35.63	26.67	00.176	1507.4							
02.3	OBS	00142	14.09	35.625	26.67		1507.6							
	STO	00150	14.07	35.66	26.71	00.211	1507.7							
02.3	OBS	T00150	13.55	35.846	26.86		1508.4							
	STO	00200	13.85	35.83	26.88	00.277	1508.0							
	STO	00250	12.80	35.69	26.99	00.336	1505.1							
02.3	OBS	00288	11.96	35.584	27.07		1502.8							
	STO	00300	11.69	35.55	27.09	00.391	1502.0							
02.3	OBS	00382	09.76	35.301	27.25		1496.2							
	STO	00400	09.19	35.24	27.29	00.468	1494.3							
02.3	OBS	00460	07.28	35.040	27.43		1488.1							
	STO	00500	07.09	35.03	27.45	00.568	1487.7							
02.3	OBS	T00575	06.39	35.003	27.52		1486.1							
	STO	00600	06.11	34.99	27.55	00.635	1485.4							
	STO	00700	05.21	34.96	27.64	00.694	1483.4							
02.3	OBS	T00763	04.81	34.950	27.68		1482.8							
	STO	00800	04.71	34.95	27.69	00.746	1483.0							
	STO	00900	04.48	34.94	27.71	00.796	1483.7							
02.3	OBS	T00955	04.37	34.944	27.72		1484.1							
02.3	OBS	T01437	04.03	34.962	27.77		1490.8							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 2142 YEAR 1973 BOTOP 03720 AIR TEMP 07.0 DIR MGT PER WIND-DIR 25 INST MANSEN CAST TEN SW 1307  
CONSEC 0005 MONTH 02 SHIP CN WET BULB 04.8 27 3 4 WIND-SPD 15 TRACE DIR 5 SQUARE 1  
LAT 41 50 N DAY 03 DATA USE 1 BAROMETR 1035.7 SEA WIND-FOR DURATION 2 SQUARE 00  
LONG 050 20 W MOJR 05.4 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER A1 ORIG A4 027 1 SQUARE 10

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	13.54	35.46	26.66	00.000	1503.2							
	08S	00000	13.54	35.459	26.66		1503.2							
	STO	00010	13.55	35.44	26.64	00.014	1503.4							
05.6	08S	00014	13.55	35.439	26.64		1503.5							
	STO	00020	13.56	35.44	26.63	00.026	1503.6							
05.6	08S	00025	13.57	35.434	26.63		1503.7							
	STO	00030	13.57	35.43	26.63	00.042	1503.8							
05.6	08S	00041	13.58	35.434	26.63		1504.0							
	STO	00050	13.58	35.43	26.63	00.071	1504.1							
05.6	08S	00054		35.431										
	STO	00075	13.57	35.44	26.63	00.107	1504.5							
05.6	08S	00085	13.57	35.437	26.63		1504.7							
	STO	00100	13.57	35.44	26.63	00.143	1504.9							
05.6	08S	T00117	13.57	35.432	26.63		1505.2							
	STO	00125	13.40	35.43	26.66	00.175	1504.8							
	STO	00150	12.85	35.41	26.76	00.213	1503.3							
05.6	08S	00190	11.98	35.393	26.92		1501.0							
	STO	00200	11.77	35.37	26.94	00.276	1500.4							
	STO	00250	10.69	35.25	27.04	00.333	1497.3							
05.6	08S	00268	10.28	35.212	27.09		1496.1							
	STO	00300	09.43	35.16	27.15	00.384	1493.4							
05.6	08S	00345	08.36	35.052	27.31		1490.1							
	STO	00400	07.53	35.05	27.40	00.465	1487.9							
05.6	08S	T00430	07.17	35.032	27.44		1486.8							
	STO	00500	06.43	35.01	27.53	00.535	1485.0							
	STO	00600	05.60	35.00	27.62	00.599	1483.3							
05.6	08S	T00648	05.19	34.997	27.67		1482.8							
	STO	00700	05.04	35.00	27.69	00.652	1482.8							
05.6	08S	T00757	04.85	35.008	27.72		1482.9							
05.6	08S	T01176	04.26	34.979	27.76		1487.4							

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REFID 31 2142 YEAR 1973 BOTOP 03585 AIR TEMP 03.1 DIR MGT PER WIND-DIR 12 INST MANSEN CAST TEN SW 1307  
CONSEC 0010 MONTH 02 SHIP CN WET BULB 01.9 27 3 4 WIND-SPD 08 TRACE DIR 5 SQUARE 1  
LAT 42 11 N DAY 03 DATA USE 1 BAROMETR 1034.4 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 20 W MOJR 05.2 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER A1 ORIG A4 027 1 SQUARE 20

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	02.85	33.20	26.45	00.000	1459.5							
	08S	00000	02.85	33.203	26.49		1459.5							
	STO	00010	02.84	33.21	26.49	00.016	1459.6							
	STO	00020	02.73	33.21	26.51	00.031	1459.4							
05.2	08S	00028	02.58	33.216	26.52		1458.8							
	STO	00030	02.53	33.22	26.53	00.046	1458.6							
	STO	00050	01.63	33.27	26.62	00.076	1456.0							
05.2	08S	00051	01.79	33.271	26.63		1455.8							
	STO	00075	00.28	33.59	26.98	00.107	1449.9							
09.2	08S	00079	00.25	33.632	27.01		1449.8							
	STO	00100	01.16	33.79	27.09	00.133	1454.5							
09.2	08S	00102	01.26	33.804	27.09		1455.0							
	STO	00125	03.11	34.17	27.24	00.156	1464.0							
	STO	00150	04.35	34.45	27.33	00.176	1470.0							
09.2	08S	00153	04.44	34.469	27.34		1470.5							
	STO	00200	04.23	34.57	27.45	00.212	1470.4							
09.2	08S	T00205	04.19	34.584	27.46		1470.5							
	STO	00250	04.40	34.70	27.53	00.244	1472.2							
	STO	00300	04.57	34.80	27.59	00.272	1473.9							
09.2	08S	00307	04.59	34.812	27.59		1474.1							
	STO	00400	04.74	34.92	27.66	00.322	1476.3							
09.2	08S	T00409	04.72	34.924	27.67		1476.5							
	STO	00500	04.53	34.95	27.71	00.370	1477.5							
09.2	08S	00512	04.52	34.955	27.72		1477.4							
	STO	00600	04.58	34.95	27.74	00.414	1475.2							
09.2	08S	T00614	04.58	34.957	27.74		1479.4							
	STO	00700	04.47	35.00	27.76	00.457	1480.4							
	STO	00800	04.36	35.00	27.77	00.495	1481.6							
	STO	00900	04.26	35.00	27.78	00.541	1482.5							
09.2	08S	T00916	04.25	35.004	27.78		1483.1							
	STO	01000	04.18	35.01	27.75	00.585	1484.2							
09.2	08S	T01028	04.16	35.006	27.80		1484.6							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.—Continued

N O O C S T A T I O N D A T A

REFID 01 2142 YEAR 1973 BOTOP 0149 AIR TEMP 02.2 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SW 1307  
CONSEC 0311 MONTH 02 SHIP CM WET BULB 01.5 30 5 3 WIND-SPO 06 TRACE DIR 5 SQUARE 1  
LAT 42 30 N DAY 03 DATA USE 1 BAROMETR 1033.5 SEA WIND-FDR DURATION 2 SQUARE 20  
LONG 050 20.5 W HOUR 11.8 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER #1 DRIG 04 027 1 SQUARE 20

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	085	00000	03.01	33.22	26.69	00.000	1446.9							
	STO	00000	03.01	33.216	26.69		1446.9							
	STO	00010	03.01	33.21	26.69	00.014	1447.0							
	STO	00020	03.01	33.21	26.69	00.027	1447.2							
	STO	00030	03.01	33.21	26.68	00.041	1447.3							
11.8	085	00050	03.01	33.210	26.68		1447.3							
	STO	00050	03.11	33.57	26.81	00.067	1448.4							
11.8	085	00055	00.12	33.419	26.85		1448.6							
	STO	00075	03.03	33.64	27.03	00.056	1448.8							
11.8	085	00085	- 0.01	33.734	27.11		1448.9							
	STO	00100	00.44	33.85	27.17	00.120	1451.4							
11.8	085	00110	03.71	33.913	27.21		1452.8							
	STO	00125	00.98	33.98	27.25	00.142	1454.4							
	STO	00150	01.46	34.11	27.32	00.162	1457.1							
11.8	085	00164	01.75	34.182	27.36		1456.7							
	STO	00200	02.51	34.40	27.47	00.196	1463.0							
11.8	085	00219	02.88	34.506	27.52		1465.0							
	STO	00250	03.52	34.65	27.58	00.226	1468.5							
	STO	00300	04.23	34.82	27.64	00.251	1472.5							
11.8	085	00325	04.47	34.888	27.67		1474.1							
	STO	00400	04.30	34.90	27.70	00.296	1474.6							
11.8	085	00435	04.21	34.906	27.71		1474.8							
	STO	00500	04.07	34.91	27.73	00.342	1475.3							
11.8	085	00549	04.00	34.918	27.74		1475.8							
	STO	00600	04.00	34.92	27.74	00.384	1476.6							
11.8	085	00658	04.00	34.923	27.75		1477.6							
	STO	00700	03.96	34.92	27.75	00.426	1478.2							
	STO	00800	03.94	34.92	27.75	00.469	1479.7							
	STO	00900	03.89	34.92	27.76	00.512	1481.2							
11.8	085	00983	03.85	34.924	27.76		1482.4							
	STO	01000	03.84	34.92	27.76	00.556	1482.6							
	STO	01100	03.79	34.92	27.77	00.599	1484.1							
11.8	085	01132	03.74	34.925	27.77		1484.1							
11.8	085	011651	03.71	34.954	27.80		1493.1							

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REFID 31 2142 YEAR 1973 BOTOP 01737 AIR TEMP 02.2 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SW 1307  
CONSEC 0312 MONTH 02 SHIP CM WET BULB 01.5 30 6 3 WIND-SPO 08 TRACE DIR 5 SQUARE 1  
LAT 42 40 N DAY 03 DATA USE 1 BAROMETR 1033.5 SEA WIND-FDR DURATION 2 SQUARE 20  
LONG 050 20 W HOUR 13.8 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER #2 DRIG 04 027 1 SQUARE 20

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DRYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	085	00000	- 1.21	32.84	26.43	00.000	1440.7							
	STO	00000	- 1.21	32.842	26.43		1440.7							
	STO	00010	- 1.21	32.85	26.44	00.016	1440.8							
	STO	00020	- 1.22	32.85	26.44	00.032	1441.0							
13.8	085	00025	- 1.22	32.851	26.44		1441.0							
	STO	00030	- 1.31	32.89	26.48	00.048	1440.8							
	STO	00050	- 1.54	33.02	26.59	00.078	1440.2							
13.8	085	00050	- 1.54	33.025	26.59		1440.2							
	STO	00075	- 1.50	33.10	26.65	00.113	1440.9							
13.8	085	00075	- 1.50	33.105	26.65		1440.9							
	STO	00100	- 1.43	33.17	26.71	00.148	1441.7							
13.8	085	00101	- 1.43	33.176	26.71		1441.8							
	STO	00125	- 1.42	33.23	26.76	00.180	1442.3							
	STO	00150	- 1.40	33.29	26.80	00.212	1442.9							
13.8	085	00154	- 1.40	33.290	26.81		1442.9							
	STO	00200	- 1.28	33.39	26.88	00.272	1444.4							
13.8	085	00207	- 1.20	33.417	26.90		1444.5							
	STO	00250	03.21	33.83	27.17	00.324	1452.7							
	STO	00300	01.52	34.20	27.39	00.364	1460.0							
13.8	085	00307	01.68	34.240	27.41		1460.9							
	STO	00400	03.09	34.58	27.56	00.428	1469.0							
13.8	085	00438	03.18	34.600	27.57		1469.6							
	STO	00500	03.60	34.78	27.64	00.482	1474.4							
13.8	085	00514	03.97	34.793	27.65		1474.9							
	STO	00600	04.11	34.82	27.66	00.532	1477.0							
13.8	085	00615	04.13	34.829	27.66		1477.3							
	STO	00700	04.13	34.85	27.68	00.582	1478.7							
	STO	00800	04.11	34.87	27.70	00.631	1480.3							
13.8	085	00817	04.10	34.875	27.70		1480.6							
	STO	00900	04.06	34.88	27.71	00.680	1481.8							
	STO	01000	04.01	34.88	27.71	00.728	1483.3							
13.8	085	01023	04.00	34.886	27.72		1483.6							
13.8	085	011538	03.75	34.921	27.77		1491.2							

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TABLE IV. Observed oceanographic data occupied by USCGC CAMPBELL (A4-27)  
29 January-2 February 1973.-Continued

N O D C S T A T I O N D A T A

REFID 24 2142 YEAR 1973 BOTOP 00752 AIR TEMP 03.6 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1307  
 CONSEC 0013 MONTH 02 SHIP CM MET BULB 02.4 19 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 1  
 LAT 42 47 N DAY 03 DATA USE 1 BAROMETR 1029.7 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 19 W HOUR 16.7 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER A2 ORIG A4 027 1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	S103	PH
	STD	00000	- 0.35	32.40	26.21	00.000	1444.3							
10.7	OBS	00000	- 0.35	32.597	26.21		1444.3							
	STD	00010	- 0.42	32.61	26.22	00.018	1444.2							
	STD	00020	- 0.49	32.63	26.24	00.030	1444.0							
10.7	OBS	00025	- 0.53	32.637	26.25		1444.0							
	STD	00030	- 0.60	32.75	26.25	00.053	1442.9							
	STD	00050	- 1.51	32.05	26.61	00.065	1440.4							
10.7	OBS	00050	- 1.51	33.054	26.61		1440.4							
	STD	00075	- 1.52	33.11	26.66	00.120	1440.8							
10.7	OBS	00075	- 1.52	33.115	26.66		1440.8							
	STD	00100	- 1.48	33.16	26.70	00.154	1441.5							
10.7	OBS	00100	- 1.46	33.160	26.70		1441.5							
	STD	00125	- 1.43	33.24	26.76	00.187	1442.2							
	STD	00150	- 1.37	33.30	26.81	00.216	1443.0							
10.7	OBS	00150	- 1.37	33.301	26.81		1443.0							
	STD	00200	- 1.22	33.40	26.88	00.276	1444.7							
10.7	OBS	00200	- 1.22	33.398	26.88		1444.7							
	STD	00250	- 1.12	33.47	26.94	00.335	1446.1							
	STD	00300	- 0.52	33.66	27.07	00.388	1450.0							
10.7	OBS	00300	- 0.52	33.657	27.07		1450.0							
	STD	00400	02.22	34.37	27.47	00.470	1465.0							
10.7	OBS	00400	02.22	34.375	27.47		1465.0							
	STD	00500	03.51	34.70	27.62	00.527	1472.6							
10.7	OBS	00500	03.51	34.700	27.62		1472.6							
	STD	00555	03.90	34.800	27.66		1476.0							
10.7	OBS	00600	03.90	34.80	27.66	00.578	1476.1							
10.7	OBS	00681	04.08	34.857	27.69		1478.2							

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REFID 31 2142 YEAR 1973 BOTOP 00051 AIR TEMP 04.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1307  
 CONSEC 0014 MONTH 02 SHIP CM MET BULB 03.0 16 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 1  
 LAT 42 59 N DAY 03 DATA USE 1 BAROMETR 1028.7 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 18 W HOUR 18.0 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG A4 027 1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	S103	PH
	STD	00000	- 0.24	32.27	25.94	00.000	1444.4							
18.0	OBS	00000	- 0.24	32.269	25.94		1444.4							
	STD	00010	- 0.23	32.27	25.94	00.021	1444.8							
	STD	00020	- 0.22	32.27	25.94	00.041	1444.8							
18.0	OBS	00024	- 0.22	32.274	25.94		1444.9							
	STD	00030	- 0.24	32.29	25.96	00.062	1444.9							
18.0	OBS	00348	- 0.26	32.347	26.00		1445.2							
	STD	00350	- 0.26	32.37	26.02	00.103	1445.3							
	STD	00075	- 0.19	32.85	26.40	00.148	1446.6							
18.0	OBS	00078	- 0.18	32.934	26.47		1446.9							

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REFID 31 2142 YEAR 1973 BOTOP 00075 AIR TEMP 04.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1307  
 CONSEC 0015 MONTH 02 SHIP CM MET BULB 03.0 16 2 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1  
 LAT 43 08 N DAY 03 DATA USE 1 BAROMETR 1027.6 SEA WIND-FOR DURATION 2 SQUARE 20  
 LONG 050 20 W HOUR 19.9 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER A2 ORIG A4 027 1 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	S103	PH
	STD	00000	00.85	32.33	25.93	00.000	1449.5							
19.9	OBS	00000	00.85	32.328	25.93		1449.5							
	STD	00010	00.84	32.33	25.93	00.021	1449.6							
	STD	00020	00.80	32.33	25.94	00.042	1449.6							
19.9	OBS	00024	00.78	32.336	25.94		1449.5							
	STD	00030	00.72	32.34	25.95	00.062	1449.4							
19.9	OBS	00348	00.56	32.352	25.97		1449.0							
	STD	00050	00.49	32.38	25.99	00.103	1448.7							
19.9	OBS	00363	- 0.14	32.637	26.23		1446.4							

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TABLE V. Observed oceanographic data occupied by USCGC OWASCO (A3-60)  
9-12 March 1973.

N O O C S T A T I O N D A T A

REFID 31 2185 YEAR 1973 BOTOP 04653 AIR TEMP 06.0 OJR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SW 130A  
 CONSEC 0001 MONTH 03 SHIP OW MET BULB 06.0 31 3 X WIND-SPO 15 TRACE DIR 5 SQUARE 1  
 LAT 43 38 N DAY 09 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 22  
 LONG 043 44 W HOUR 11.2 AREA 05 CLOUD T/A 8/8 CL/TR WHEAT-ER A2 DRIG A3 060 1 SQUARE 33

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	QXYG	P04	TOT P	NO2	NO3	S103	PH
11.2	STS	00000	14.50	35.81	26.72	00.000	1506.8							
	STS	00000	14.50	35.809	26.72		1506.8							
	STS	00010	14.51	35.80	26.71	00.015	1507.0							
	STS	00020	14.53	35.75	26.70	00.027	1507.2							
11.2	085	00025	14.53	35.792	26.70		1507.2							
	STS	00030	14.54	35.79	26.70	00.040	1507.4							
11.2	085	00045	14.56	35.795	26.70		1507.7							
	STS	00050	14.56	35.80	26.70	00.068	1507.8							
11.2	085	00067	14.56	35.805	26.70		1508.1							
	STS	00075	14.72	35.86	26.71	00.102	1508.8							
11.2	085	00087	14.84	35.912	26.72		1509.5							
	STS	00100	14.74	35.50	26.74	00.136	1509.3							
	STS	00125	14.50	35.47	26.77	00.169	1508.9							
11.2	085	00151	14.43	35.855	26.78		1508.8							
	STS	00150	14.11	35.81	26.79	00.202	1508.3							
11.2	085	T00174	13.90	35.755	26.81		1507.6							
	STS	00200	13.39	35.71	26.88	00.266	1506.3							
	STS	00250	12.56	35.62	26.98	00.326	1504.3							
11.2	085	00261	12.41	35.558	26.99		1503.9							
	STS	00300	12.00	35.52	27.01	00.385	1503.1							
11.2	085	T00350	11.56	35.456	27.05		1502.3							
	STS	00400	11.26	35.45	27.10	00.493	1502.0							
11.2	085	00451	10.92	35.429	27.14		1501.6							
	STS	00500	10.55	35.37	27.17	00.598	1501.0							
11.2	085	00534	10.12	35.314	27.20		1500.3							
	STS	00600	09.75	35.27	27.22	00.698	1499.7							
	STS	00700	08.90	35.18	27.29	00.794	1498.1							
11.2	085	T00768	08.30	35.120	27.34		1496.9							

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REFID 31 2185 YEAR 1973 BOTOP 04605 AIR TEMP 12.0 OJR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SW 1306  
 CONSEC 0002 MONTH 03 SHIP OW MET BULB 11.0 29 3 X WIND-SPO 20 TRACE DIR 5 SQUARE 1  
 LAT 43 43 N DAY 09 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 24  
 LONG 044 28 W HOUR 21.7 AREA 05 CLOUD T/A 7/8 CL/TR WHEAT-ER A2 DRIG A3 060 1 SQUARE 34

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	QXYG	P04	TOT P	NO2	NO3	S103	PH
21.7	STS	00000	14.70	35.59	26.82	00.000	1507.7							
	085	00000	14.70	35.953	26.82		1507.7							
	STS	00010	14.71	35.55	26.82	00.012	1507.8							
	STS	00020	14.71	35.99	26.82	00.025	1508.0							
21.7	085	00020	14.71	35.592	26.82		1508.0							
	STS	00030	14.71	35.55	26.82	00.037	1508.2							
21.7	085	00045	14.70	35.591	26.82		1508.4							
	STS	00050	14.65	35.59	26.82	00.062	1508.5							
21.7	085	00059	14.67	35.588	26.82		1508.5							
	STS	00075	14.50	35.97	26.84	00.093	1508.2							
	STS	00100	14.33	35.95	26.87	00.124	1508.1							
21.7	085	00113	14.25	35.944	26.87		1508.1							
	STS	00125	14.31	35.95	26.87	00.155	1506.4							
	STS	00150	14.34	35.95	26.86	00.186	1508.9							
21.7	085	T00182	14.34	35.948	26.86		1508.9							
	STS	00200	14.31	35.95	26.87	00.248	1509.6							
21.7	085	00226	14.26	35.945	26.87		1510.0							
	STS	00250	14.24	35.94	26.88	00.311	1510.2							
21.7	085	00303	14.14	35.517	26.88	00.374	1510.7							
	STS	00300	13.45	35.781	26.92		1509.6							
21.7	085	00400	13.35	35.76	26.93	00.495	1509.6							
21.7	085	T00456	13.25	35.758	26.95		1510.1							

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REFID 31 2185 YEAR 1973 BOTOP 04637 AIR TEMP 13.0 OJR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SW 1306  
 CONSEC 0003 MONTH 03 SHIP OW MET BULB 12.0 30 3 X WIND-SPO 20 TRACE DIR 5 SQUARE 2  
 LAT 43 52 N DAY 10 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 24  
 LONG 045 07 W HOUR 05.9 AREA 05 CLOUD T/A 7/5 CL/TR WHEAT-ER K1 DRIG A3 060 1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	QXYG	P04	TOT P	NO2	NO3	S103	PH
05.9	STS	00000	14.96	36.03	26.79	00.000	1506.5							
	085	00000	14.94	36.025	26.74		1508.5							
	STS	00010	15.02	36.03	26.78	00.015	1508.9							
05.9	085	00010	15.02	36.026	26.78		1508.9							
	STS	00017	15.02	36.023	26.77		1509.0							
	STS	00020	15.02	36.03	26.77	00.044	1509.1							
05.9	085	00028	15.03	36.026	26.77		1509.2							
	STS	00030	15.03	36.05	26.77	00.038	1509.2							
05.9	085	00036	15.03	36.025	26.78		1509.3							
	STS	00050	15.04	36.03	26.77	00.064	1509.6							
05.9	085	00054	15.04	36.027	26.77		1509.7							
05.9	085	T00072	15.01	36.025	26.78		1509.9							

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TABLE V. Observed oceanographic data occupied by USCGC OWASCO (A3-60)  
9-12 March 1973.—Continued

N O D L S T A T I O N D A T A

REFID 51 2185 YEAR 1973 BOTOP 0-150 AIR TEMP 04.0 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SO 1306  
CONSEC 0004 MONTH 03 SHIP OW MET BULB 03.0 32 5 X WIND-SPD 30 TRACE DIR 5 SQUARE 2  
LAT 43 57 N DAY 10 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 24  
LONG 045 50 W HOUR 12.2 AREA 05 CLOUD I/A 8/8 CL/TR WEATHER RZ DRIG A3 060 1 SQUARE 35

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DRYG	PG4	TOT P	NO2	NO3	SIO3	PH
12.1	STO	0000J	12.68	35.33	26.73	00.000	1500.2							
	DBS	00000	12.68	35.327	26.73		1500.2							
	STO	00010	12.67	35.33	26.75	00.013	1503.4							
	STO	00020	12.67	35.34	26.74	00.026	1500.5							
	STO	00030	12.66	35.35	26.75	00.040	1503.7							
12.2	DBS	00034	12.66	35.345	26.73		1500.7							
	STO	00050	11.42	35.02	26.73		1496.3							
	STO	00075	09.92	34.87	26.73	00.100	1450.9							
12.2	DBS	00068	09.01	34.524	26.76		1487.7							
	STO	00100	08.96	34.53	26.77	00.135	1487.6							
	STO	00125	08.52	34.57	26.88	00.164	1486.4							
12.2	DBS	00127	08.50	34.577	26.89		1486.4							
	STO	00150	08.53	34.58	26.89	00.194	1486.7							
12.2	DBS	00150	08.49	34.577	26.85		1487.4							
	STO	00200	08.31	34.62	26.91	00.254	1487.6							
	STO	00250	06.62	34.75	27.03	00.310	1485.1							
	STO	00300	08.73	34.93	27.12	00.353	1490.9							
12.2	DBS	00377	08.65	35.365	27.21		1492.6							
	STO	00400	08.79	35.08	27.23	00.455	1492.6							
	STO	00500	07.94	33.15	27.40	00.544	1491.1							
12.2	DBS	00501	07.93	35.126	27.40		1491.1							

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REFID 51 2185 YEAR 1973 BOTOP 0-150 AIR TEMP -03.0 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SO 1306  
CONSEC 0003 MONTH 03 SHIP OW MET BULB -04.0 33 2 X WIND-SPD 20 TRACE DIR 5 SQUARE 2  
LAT 44 08 N DAY 10 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 24  
LONG 046 30 W HOUR 16.0 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER R1 DRIG A3 060 1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DRYG	PG4	TOT P	NO2	NO3	SIO3	PH
16.0	STO	00000	06.63	34.26	26.90	00.000	1476.6							
	DBS	00000	06.63	34.256	26.90		1476.6							
	STO	00010	06.72	34.26	26.65	00.012	1477.1							
	STO	00020	06.65	34.28	26.85	00.025	1477.6							
16.0	DBS	00020	06.85	34.275	26.89		1477.8							
	STO	00030	06.93	34.31	26.90	00.035	1478.4							
16.0	DBS	00039	07.23	34.368	26.91		1475.8							
	STO	00050	08.11	34.53	26.91	00.058	1465.5							
16.0	DBS	00055	08.65	34.628	26.90		1485.9							
	STO	00075	09.22	34.74	26.90	00.088	1468.4							
16.0	DBS	00075	09.22	34.743	26.90		1488.4							
	STO	00100	05.41	34.82	26.93	00.117	1469.6							
16.0	DBS	00113	09.42	34.642	26.95		1465.9							
	STO	00125	09.12	34.83	26.95	00.143	1485.0							
	STO	00150	08.53	34.81	27.06	00.172	1487.4							
	STO	00200	07.54	34.77	27.18	00.221	1484.1							
16.0	DBS	00227	07.11	34.753	27.23		1482.9							
	STO	00250	06.81	34.75	27.27	00.266	1482.1							
	STO	00300	06.31	34.73	27.32	00.307	1480.9							
16.0	DBS	00300	06.25	34.731	27.52		1480.9							
16.0	DBS	00377	05.94	34.848	27.46		1480.8							
	STO	00400	05.77	34.85	27.48	00.381	1480.5							
16.0	DBS	00444	05.51	34.848	27.52		1480.2							
	STO	00500	05.37	34.91	27.58	00.443	1480.6							
16.0	DBS	00559	05.19	34.946	27.63		1480.9							
	STO	00600	05.02	34.95	27.66	00.498	1480.5							
16.0	DBS	00673	04.74	34.960	27.69		1481.0							
	STO	00700	04.65	34.96	27.70	00.548	1481.1							
	STO	00800	04.25	34.94	27.72	00.595	1481.5							
	STO	00900	04.11	34.92	27.75	00.642	1482.1							
16.0	DBS	00971	03.96	34.903	27.73		1482.7							

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TABLE V. Observed oceanographic data occupied by USCGC OWASCO (A3-60)  
9-12 March 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 2165 YEAR 1973 BOTOP 03791 AIR TEMP -03.0 OIR MGT PER WIND-OIR 32 INST NANSEN CAST TEN SQ 1366  
CONSEC 0000 MONTH 03 SHIP OW WET BULB -04.0 33 3 X WIND-SPO 17 TRACE DIR 5 SQUARE 2  
LAT 44 19 N DAY 11 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 047 52 W HOUR 10.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG A3 060 1 SQUARE 47

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNP/TH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	11.81	35.24	26.83	00.000	1497.1							
10.2	OBS	00000	11.81	35.239	26.83		1497.1							
	STD	00010	11.84	35.24	26.82	00.012	1497.4							
	STD	00020	11.87	35.24	26.82	00.025	1497.6							
	STD	00030	11.88	35.24	26.81	00.037	1497.8							
10.2	OBS	00030	11.88	35.237	26.81		1497.8							
	STD	00050	11.88	35.24	26.81	00.062	1498.2							
10.2	OBS	00055	11.88	35.238	26.82		1498.3							
	STD	00075	11.83	35.24	26.83	00.094	1498.4							
10.2	OBS	00084	11.83	35.240	26.83		1498.6							
	STD	00100	11.86	35.23	26.82	00.125	1498.9							
10.2	OBS	00108	11.88	35.232	26.81		1499.1							
	STD	00125	11.01	35.09	26.86	00.156	1496.2							
	STD	00150	10.02	34.94	26.92	00.186	1492.8							
10.2	OBS	00163	09.64	34.885	26.94		1491.6							
	STD	00200	09.39	34.90	27.00	00.244	1491.3							
10.2	OBS	00224	09.10	34.914	27.05		1490.6							
	STD	00250	08.22	34.77	27.08	00.297	1487.6							
	STD	00300	07.11	34.62	27.12	00.348	1483.9							
10.2	OBS	00325	06.84	34.599	27.15		1483.2							
	STD	00400	07.55	34.91	27.29	00.441	1487.7							
10.2	OBS	00432	07.86	34.974	27.29		1489.5							
	STD	00500	06.11	34.86	27.45	00.520	1483.6							
10.2	OBS	00543	05.42	34.840	27.52		1481.5							
	STD	00600	05.26	34.90	27.58	00.564	1481.6							
10.2	OBS	00651	05.12	34.956	27.63		1482.2							
	STD	00700	04.96	34.94	27.66	00.640	1482.3							
	STD	00800	04.65	34.96	27.70	00.691	1482.7							
10.2	OBS	00849	04.52	34.963	27.72		1483.0							
10.2	OBS	00884	03.74	34.936	27.78		1493.7							

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REFID 31 2185 YEAR 1973 BOTOP 03482 AIR TEMP -02.0 OIR MGT PER WIND-OIR 29 INST NANSEN CAST TEN SQ 1506  
CONSEC 0007 MONTH 03 SHIP OW WET BULB -02.0 30 2 A WIND-SPO 18 TRACE DIR 5 SQUARE 2  
LAT 44 23 N DAY 11 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 047 54 W HOUR 13.5 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER A1 ORIG A3 060 1 SQUARE 47

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNP/TH	SND VEL	DAYG	PO4	TOT P	NO2	NO3	S103	PH
	STD	00000	11.07	35.12	26.87	00.000	1494.4							
13.5	OBS	00000	11.07	35.119	26.87		1494.4							
	STD	00010	11.08	35.11	26.87	00.012	1494.6							
	STD	00020	11.09	35.11	26.86	00.024	1494.8							
13.5	OBS	00020	11.09	35.110	26.86		1494.8							
	STD	00030	11.10	35.12	26.87	00.036	1495.0							
13.5	OBS	00040	11.11	35.116	26.86		1495.2							
	STD	00050	11.11	35.11	26.86	00.060	1495.3							
13.5	OBS	00064	11.12	35.100	26.85		1495.6							
	STD	00075	11.01	35.10	26.87	00.090	1495.4							
13.5	OBS	00080	10.67	35.077	26.88		1494.9							
	STD	00100	09.39	34.74	26.92	00.120	1488.3							
13.5	OBS	00121	07.58	34.458	26.93		1482.6							
	STD	00125	07.50	34.46	26.94	00.145	1482.3							
	STD	00150	07.04	34.47	27.02	00.177	1481.0							
	STD	00200	06.42	34.50	27.12	00.228	1479.4							
13.5	OBS	00245	06.21	34.523	27.17		1479.3							
	STD	00250	06.24	34.53	27.17	00.276	1479.5							
	STD	00300	06.55	34.68	27.25	00.321	1481.8							
13.5	OBS	00333	06.75	34.805	27.32		1483.3							

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TABLE V. Observed oceanographic data occupied by USCGC OWASCO (A3-60)  
9-12 March 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 2105 YEAR 1973 BOTOP 05400 AIR TEMP -01.0 DIR MGT PER WIND-DIR 25 INST Nansen CAST TEN SQ 1306  
CONSEC 0008 MONTH 03 SHIP 04 MET BULB 02. 31 2 X WIND-SPO 21 TRACE DIR 5 SQUARE 2  
LAT 44 25 N DAY 11 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 048 07 W HOUR 16.2 AREA 05 CLOUD T/A B/S CL/TR WEATHER R1 ORIG A3 060 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	07.03											
16.2	085	00000	07.03											
	STO	00010	07.13											
	STO	00020	07.19											
16.2	085	00020	07.20											
	STO	00030	07.19											
16.2	085	00040	07.18											
	STO	00050	07.23											
16.2	085	00064	07.30											
	STO	00075	07.31											
16.2	085	00084	07.32											
	STO	00100	06.54											
	STO	00125	05.26											
16.2	085	00127	05.16											
	STO	00150	03.86											
16.2	085	T00159	01.10											
	STO	00200	01.32											
16.2	085	00212	03.67											
	STO	00250	05.16											
16.2	085	T00264	05.74											
	STO	00300	05.27											
16.2	085	00362	04.38											
	STO	00400	05.30											
16.2	085	00446	05.48											
	STO	00500	05.26											
16.2	085	00595	04.95											
	STO	00600	04.54											
	STO	00700	04.72											
16.2	085	T00747	04.66											

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REFID 31 2105 YEAR 1973 BOTOP 03234 AIR TEMP -01.0 DIR MGT PER WIND-DIR 26 INST Nansen CAST TEN SQ 1306  
CONSEC 0009 MONTH 03 SHIP 04 MET BULB -01.0 30 2 A WIND-SPO 18 TRACE DIR 5 SQUARE 2  
LAT 44 28 N DAY 11 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 048 30 W HOUR 21.0 AREA 05 CLOUD T/A B/S CL/TR WEATHER R1 ORIG A3 060 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	-1.16	33.08	26.62	00.000	1441.2							
21.0	085	00000	-1.16	33.076	26.62		1441.2							
	STO	00010	-1.19	33.07	26.61	00.014	1441.4							
	STO	00020	-1.14	33.06	26.61	00.029	1441.7							
21.0	085	00025	-1.13	33.056	26.60		1441.8							
	STO	00030	-1.40	33.09	26.64	00.043	1440.6							
21.0	085	00046	-1.52	33.152	26.73		1440.5							
	STO	00050	-1.12	33.31	26.81	00.065	1442.6							
21.0	085	00071	03.62	33.819	27.14		1451.6							
	STO	00075	00.88	33.85	27.18	00.096	1453.0							
21.0	085	00092	01.72	34.112	27.30		1457.3							

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REFID 31 2105 YEAR 1973 BOTOP 02246 AIR TEMP -01.0 DIR MGT PER WIND-DIR 26 INST Nansen CAST TEN SQ 1306  
CONSEC 0010 MONTH 03 SHIP 04 MET BULB -02.0 25 2 A WIND-SPO 15 TRACE DIR 5 SQUARE 2  
LAT 44 23 N DAY 12 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 048 50 W HOUR 11.8 AREA 05 CLOUD T/A B/S CL/TR WEATHER R1 ORIG A3 060 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
	STO	00000	-1.35	33.10	26.65	00.000	1440.2							
11.8	085	00000	-1.39	33.101	26.65		1440.2							
	STO	00010	-1.44	33.10	26.65	00.014	1440.1							
	STO	00020	-1.49	33.10	26.65	00.028	1440.1							
	STO	00050	-1.52	33.10	26.65	00.042	1440.1							
11.8	085	00051	-1.52	33.105	26.65		1440.1							
	STO	00050	-1.53	33.12	26.66	00.070	1440.4							
11.8	085	00054	-1.54	33.120	26.67		1440.5							
	STO	00075	-1.50	33.21	26.74	00.103	1441.1							
11.8	085	00089	-1.47	33.294	26.81		1441.5							
	STO	00100	-1.45	33.36	26.86	00.135	1441.9							
11.8	085	00116	-1.43	33.471	26.95		1442.4							
	STO	00125	-1.88	33.56	27.01	00.163	1445.3							
	STO	00150	00.39	33.79	27.13	00.188	1451.5							
11.6	085	00173	01.20	33.966	27.22		1456.1							
	STO	00200	01.46	34.11	27.32	00.230	1458.0							
11.8	085	T00231	01.73	34.252	27.42		1459.9							
	STO	00250	01.75	34.28	27.44	00.266	1460.3							
	STO	00300	01.58	34.37	27.49	00.298	1462.3							
11.6	085	00347	02.43	34.484	27.55		1465.2							
	STO	00400	03.04	34.68	27.59	00.355	1471.5							
11.8	085	T00463	04.51	34.844	27.63		1476.4							
	STO	00500	04.50	34.87	27.65	00.406	1477.0							
11.8	085	00583	04.49	34.912	27.68		1478.4							
	STO	00600	04.47	34.91	27.69	00.457	1478.6							
11.4	085	00695	04.37	34.925	27.71		1479.8							
	STO	00700	04.37	34.92	27.71	00.504	1479.9							
	STO	00800	04.25	34.93	27.72	00.551	1481.0							
	STO	00900	04.13	34.93	27.74	00.597	1482.2							
11.8	085	T00930	04.05	34.926	27.74		1482.5							

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TABLE V. Observed oceanographic data occupied by USCGC OWASCO (A3-60)  
9-12 March 1973.—Continued

MOODC STATION DATA

REFID 51 2185 YEAR 1973 BOTOP 01254 AIR TEMP -01.0 OIR MGT PER WIND-DIR 26 INST NANSEN CAST TEN SW 1306  
 CONSEC 0311 MONTH 03 SHIP 06 MET BULB -02.0 29 2 A WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 49 32 N DAY 12 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR 16 DURATION 2 SQUARE 48  
 LONG 045 02 W HOUR 14.1 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG A3 060 1 SQUARE 49

CASNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 1.65	33.19	26.73	00.000	1435.1							
14.1	OBS	00000	- 1.65	33.194	26.73		1439.1							
	STO	00010	- 1.65	33.21	26.75	00.013	1439.3							
	STC	00020	- 1.65	33.23	26.76	00.026	1435.5							
	STO	00030	- 1.65	33.23	26.76	00.029	1435.6							
14.1	OBS	00030	- 1.65	33.234	26.76		1435.7							
	STO	00050	- 1.73	33.22	26.76	00.065	1439.6							
14.1	OBS	00068	- 1.74	33.208	26.74		1435.8							
	STO	00075	- 1.66	33.24	26.77	00.097	1440.3							
	STC	00100	- 1.43	33.36	26.86	00.128	1442.0							
14.1	OBS	00104	- 1.40	33.385	26.88		1442.3							
	STO	00125	- 1.29	33.52	26.99	00.156	1443.3							
14.1	OBS	00141	- 1.18	33.605	27.05		1444.2							
	STO	00150	- 1.13	33.64	27.07	00.182	1444.8							
	STO	00200	- 0.59	33.61	27.20	00.229	1448.4							
14.1	OBS	00203	- 0.51	33.825	27.20		1448.7							
	STO	00250	00.17	34.04	27.34	00.265	1452.6							
14.1	OBS	T00271	00.46	34.099	27.38		1454.6							
	STO	00300	00.65	34.14	27.39	00.305	1456.9							
14.1	OBS	T00306	00.93	34.145	27.38		1457.4							

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REFID 31 2185 YEAR 1973 BOTOP 00058 AIR TEMP 00.0 OIR MGT PER WIND-DIR 27 INST NANSEN CAST TEN SW 1306  
 CONSEC 0312 MONTH 03 SHIP 06 MET BULB -01.0 29 2 X WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 49 40 N DAY 12 DATA USE 1 BAROMETR 1014.4 SEA WIND-FOR 16 DURATION 2 SQUARE 48  
 LONG 045 20 W HOUR 16.0 AREA 05 CLOUD T/A 7/4 CL/TR WEATHER X1 ORIG A3 060 1 SQUARE 49

CASNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STO	00000	- 1.34	32.50	26.48	00.000	1440.1							
16.0	OBS	00000	- 1.34	32.500	26.48		1440.1							
	STO	00010	- 1.40	32.54	26.51	00.015	1440.1							
	STO	00020	- 1.44	32.56	26.54	00.031	1440.1							
16.0	OBS	00027	- 1.45	32.981	26.55		1440.2							
	STO	00030	- 1.45	32.99	26.56	00.046	1440.2							
16.0	OBS	00044	- 1.44	33.006	26.57		1440.5							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-18 June 1973.

NOOC STATION DATA

REFID 01 220 YEAR 1973 BUOTUP 05003 AIR TEMP 20.6 OIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1207  
CONSEC 0001 MONTH 06 SHIP 00 MET BULB 15.4 27 3 2 WIND-SPD 23 TRACE DIR 5 SQUARE 3  
LAT 37 20 N DAY 12 DATA USE 1 BARONETA 1014.2 SEA WIND-FOR DURATION 2 SQUARE 60  
LONG 050 20 W HOUR 23.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER 48 ORIG A4 028 1 SQUARE 70

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DRYG	PD4	TOT P	MO2	MO3	SIG3	PH
	STO	00000	20.55	36.34	25.65	00.000	1525.2							
23.3	OBS	00000	20.55	36.341	25.65		1525.2							
	STO	00010	20.02	36.36	25.81	00.023	1524.0							
	STO	00020	19.55	36.37	25.94	00.044	1522.8							
	STO	00030	19.13	36.38	26.06	00.064	1521.8							
23.5	OBS	00032	19.35	36.384	26.08		1521.7							
	STO	00050	18.42	36.39	26.25	00.102	1520.2							
23.3	OBS	00060	18.17	36.350	26.31		1518.6							
	STO	00075	17.99	36.39	26.36	00.146	1519.4							
23.3	OBS	00092	17.85	36.355	26.35		1516.2							
	STO	00100	17.82	36.40	26.40	00.188	1519.3							
23.3	OBS	00120	17.76	36.409	26.43		1519.5							
	STO	00125	17.76	36.41	26.43	00.229	1519.5							
	STO	00150	17.73	36.40	26.43	00.271	1519.9							
23.3	OBS	00175	17.68	36.385	26.43		1520.2							
	STO	00200	17.61	36.39	26.45	00.354	1520.3							
23.3	OBS	T00237	17.49	36.379	26.47		1520.5							
	STO	00250	17.49	36.57	26.47	00.437	1520.7							
	STO	00300	17.40	36.56	26.48	00.520	1521.3							
23.3	OBS	00360	17.16	36.341	26.52		1521.6							
	STO	00400	16.91	36.50	26.55	00.685	1521.4							
23.3	OBS	00478	16.24	36.183	26.62		1520.5							
	STO	00500	16.00	36.14	26.64	00.844	1520.1							
23.3	OBS	00595	14.82	35.545	26.76		1517.8							
	STO	00600	14.75	35.53	26.76	00.956	1517.6							
	STO	00700	13.20	35.71	26.92	01.137	1513.9							
23.5	OBS	00707	13.08	35.692	26.93		1513.6							
	STO	00800	11.09	35.45	27.13	01.260	1508.0							
	STO	00900	09.20	35.25	27.30	01.365	1502.6							
23.3	OBS	00931	08.66	35.195	27.34		1501.0							
	STO	01000	07.52	35.12	27.46	01.454	1497.7							
	STO	01100	06.12	35.03	27.58	01.528	1493.8							
23.3	OBS	T01158	05.45	34.585	27.63		1492.0							
23.3	OBS	T01738	04.26	34.599	27.78		1496.9							

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REFID 31 220 YEAR 1973 BUOTUP 05003 AIR TEMP 21.1 OIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1207  
CONSEC 0002 MONTH 06 SHIP 00 MET BULB 20.6 28 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 3  
LAT 37 50 N DAY 13 DATA USE 1 BARONETA 1013.6 SEA WIND-FOR DURATION 2 SQUARE 60  
LONG 050 20 W HOUR 03.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER 46 ORIG A4 028 1 SQUARE 70

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DRYG	PD4	TOT P	MO2	MO3	SIG3	PH
	STO	00000	20.51	36.41	25.77	00.000	1524.6							
03.0	OBS	00000	20.51	36.413	25.77		1524.6							
	STO	00010	20.31	36.41	25.77	00.022	1524.8							
	STO	00020	20.30	36.40	25.77	00.045	1524.9							
03.0	OBS	00024	20.30											
	STO	00030	19.62	36.40	25.50	00.067	1523.8							
03.0	OBS	00047	18.75	36.400	26.17		1521.1							
	STO	00050	18.62	36.40	26.21	00.106	1520.8							
03.0	OBS	00071	17.97	36.406	26.37		1516.3							
	STO	00075	17.54	36.40	26.38	00.150	1519.2							
03.0	OBS	00095	17.82	36.396	26.40		1519.2							
	STO	00100	17.81	36.40	26.41	00.192	1519.2							
	STO	00125	17.75	36.39	26.42	00.234	1516.5							
03.0	OBS	00142	17.71	36.354	26.43		1515.7							
	STO	00150	17.69	36.35	26.43	00.275	1519.7							
03.0	OBS	00155	17.59	36.365	26.44		1520.1							
	STO	00200	17.58	36.36	26.44	00.358	1520.2							
	STO	00250	17.45	36.35	26.47	00.442	1520.6							
03.0	OBS	00250	17.29	36.335	26.49		1520.8							
	STO	00300	17.26	36.33	26.49	00.524	1520.9							
03.0	OBS	00365	16.88	36.291	26.55		1521.1							
	STO	00400	16.69	36.26	26.57	00.688	1520.7							
03.0	OBS	T00485	15.75	36.055	26.66		1515.0							
	STO	00500	15.66	36.08	26.67	00.844	1519.0							
03.0	OBS	T00581	14.52	35.577	26.75		1518.0							
	STO	00600	14.68	35.94	26.78	00.954	1517.4							
	STO	00700	13.18	35.73	26.94	01.132	1513.9							
03.0	OBS	00722	12.84	35.680	26.97		1515.0							
	STO	00800	11.46	35.50	27.09	01.257	1509.4							
	STO	00900	09.89	35.30	27.23	01.366	1505.2							
03.0	OBS	T00968	08.95	35.197	27.30		1502.7							
03.0	OBS	T01459	05.17	35.076	27.74		1496.0							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

N O D C S T A T I O N D A T A

REFID 51 2220 YEAR 1973 BOTOP 05.70 AIR TEMP 21.1 DIR MGT PER WIND-DIR 20 INST NANSEN CAST TEN SO 1207  
CONSEC 0003 MONTH 06 SHIP 00 WET BULB 21.1 31 2 2 WIND-SPO 15 TRACE DIR 5 SQUARE 3  
LAT 36 20 N DAY 13 DATA USE 1 BAROMETR 1012.8 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W HOUR 06.0 AREA 05 CLOUD T/A 7/8 WEATHER A8 DRIG A4 028 1 SQUARE 80

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DAYG	PJ4	TOT P	MO2	MO3	SIG3	PN
	STO	00000	20.26	36.43	25.80	00.000	1524.5							
06.6	085	00000	20.26	36.427	25.80		1524.5							
	STO	00010	20.26	36.43	25.80	00.022	1524.7							
	STO	00020	20.26	36.43	25.80	00.044	1524.8							
06.6	085	00024	20.26	36.425	25.80		1524.9							
	STO	00030	19.85	36.43	25.91	00.066	1523.6							
06.6	085	00046	18.83	36.436	26.18		1521.4							
	STO	00050	18.73	36.43	26.20	00.105	1521.1							
06.6	065	00071	18.01	36.385	26.35		1519.3							
	STO	00075	18.01	36.39	26.35	00.150	1519.4							
06.6	085	00085	17.55	36.408	26.37		1519.7							
	STO	00100	17.97	36.40	26.37	00.192	1519.7							
	STO	00125	17.86	36.36	26.38	00.235	1519.8							
06.6	085	00142	17.81	36.373	26.39		1515.5							
	STO	00150	17.80	36.37	26.39	00.277	1520.0							
06.6	085	T00194	17.73	36.379	26.41		1520.5							
	STO	00200	17.73	36.38	26.41	00.362	1520.6							
	STO	00250	17.61	36.37	26.43	00.447	1521.1							
06.6	085	00249	17.39	36.364	26.48		1521.1							
	STO	00300	17.25	36.36	26.51	00.530	1520.9							
06.6	085	00385	16.36	36.279	26.66		1519.5							
	STO	00400	16.28	36.25	26.66	00.687	1519.5							
06.6	085	T00484	15.73	36.091	26.67		1519.0							
	STO	00500	15.61	36.07	26.66	00.836	1518.8							
06.6	085	T00576	14.88	35.975	26.77		1517.7							
	STO	00600	14.64	35.94	26.79	00.988	1517.3							
	STO	00700	13.36	35.76	26.52	01.127	1514.5							
06.6	085	00766	12.34	35.604	27.01		1512.0							

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REFID 51 2220 YEAR 1973 BOTOP 05503 AIR TEMP 23.0 DIR MGT PER WIND-DIR 33 INST NANSEN CAST TEN SO 1207  
CONSEC 0004 MONTH 06 SHIP 00 WET BULB 18.9 30 0 2 WIND-SPO 12 TRACE DIR 5 SQUARE 3  
LAT 38 49 N DAY 13 DATA USE 1 BAROMETR 1012.8 SEA CL/TR WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W HOUR 10.5 AREA 05 CLOUD T/A 0/5 WEATHER X1 DRIG A4 028 1 SQUARE 80

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DAYG	PJ4	TOT P	MO2	MO3	SIG3	PN
	STO	00000	20.32	36.39	25.76	00.000	1524.6							
10.5	085	00000	20.32	36.355	25.76		1524.6							
	STO	00010	20.20	36.40	25.79	00.022	1524.5							
	STO	00020	20.08	36.40	25.82	00.044	1524.3							
10.5	085	00023	20.04	36.397	25.83		1524.3							
	STO	00030	19.48	36.41	25.99	00.066	1522.9							
10.5	085	00045	18.60	36.424	26.23		1520.7							
	STO	00050	18.45	36.42	26.26	00.104	1520.3							
10.5	085	00067	18.07	36.393	26.34		1519.5							
	STO	00075	17.97	36.38	26.36	00.147	1519.3							
10.5	085	00090	17.83	36.375	26.38		1515.1							
	STO	00100	17.83	36.38	26.39	00.190	1519.3							
	STO	00125	17.83	36.38	26.39	00.232	1519.7							
10.5	085	00134	17.85	36.385	26.35		1519.9							
	STO	00150	17.81	36.38	26.39	00.274	1520.1							
10.5	085	T00182	17.74	36.365	26.40		1520.4							
	STO	00200	17.64	36.37	26.42	00.355	1520.4							
	STO	00250	17.38	36.36	26.48	00.442	1520.4							
10.5	085	00270	17.28	36.349	26.50		1520.4							
	STO	00300	17.21	36.34	26.51	00.524	1520.7							
10.5	085	00356	16.85	36.294	26.56		1520.5							
	STO	00400	16.28	36.20	26.62	00.683	1519.4							
10.5	085	T00446	15.66	36.096	26.69		1518.1							
	STO	00500	14.94	35.67	26.75	00.833	1516.6							
10.5	085	T00530	14.50	35.602	26.79		1515.6							
	STO	00600	13.27	35.70	26.90	00.972	1512.5							
	STO	00696	11.50	35.462	27.06		1507.8							
	STO	00700	11.41	35.45	27.07	01.097	1507.5							
	STO	00600	09.32	35.24	27.27	01.204	1501.4							
10.5	085	T00665	08.19	35.134	27.37		1498.1							
10.5	085	001252	05.24	35.114	27.76		1493.5							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

NOOC STATION DATA

REFID 31 2220 YEAR 1973 BJTDP 05303 AIR TEMP 23.0 DIR MGT PER WIND-DIR 29 INST NANSEN CAST TEN 50 1207  
CONSEC 0005 MONTH 06 SHIP DU MET BULB 17.8 00 X A WIND-SPO 06 TRACE DIR 5 SQUARE 3  
LAT 39 20 N DAY 13 DATA USE 1 BAROMETER 1014.2 SEA WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W HDJA 14.1 AREA 05 CLOUD T/A 0/4 CL/TR WEATHER R1 ORIG A4 028 1 SQUARE 90

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	ORYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	20.04	36.35	25.80	00.000	1523.6							
14.1	085	00000	23.04	36.355	25.80		1523.8							
	STD	00010	20.01	36.36	25.81	00.022	1523.9							
	STD	00020	19.93	36.36	25.84	00.044	1523.8							
14.1	085	00027	19.78	36.362	25.88		1523.6							
	STD	00050	19.67	36.37	25.91	00.065	1523.3							
	STD	00050	19.13	36.41	26.06	00.106	1522.2							
14.1	085	00050	19.13	36.410	26.08		1522.2							
	STD	00075	18.66	36.44	26.17	00.154	1521.9							
14.1	085	00076	18.85	36.440	26.18		1521.9							
14.1	085	00098	18.53	36.439	26.26		1521.3							
	STD	00100	18.51	36.44	26.26	00.200	1521.3							
	STD	00125	18.25	36.42	26.32	00.244	1521.3							
14.1	085	00144	18.35	36.417	26.36		1520.7							
	STD	00150	17.99	36.42	26.38	00.288	1520.6							
14.1	085	T00189	17.60	36.423	26.48		1520.1							
	STD	00200	17.52	36.42	26.49	00.371	1520.1							
	STD	00250	16.94	36.33	26.57	00.450	1519.1							
14.1	085	00274	16.54	36.264	26.61		1518.2							
	STD	00300	15.89	36.13	26.66	00.527	1516.5							
14.1	085	00353	14.45	35.892	26.75		1513.2							
	STD	00400	13.43	35.73	26.85	00.667	1510.4							
14.1	085	T00425	13.11	35.660	26.90		1509.0							
14.1	085	T03452	11.83	35.507	27.04		1505.5							
	STD	00500	11.43	35.49	27.05	00.750	1505.0							
	STD	00600	09.29	35.22	27.26	00.894	1497.9							
14.1	085	T00637	09.11	35.205	27.28		1497.3							
14.1	085	00655	06.60	34.972	27.47		1488.9							
	STD	00700	06.56	34.97	27.48	00.978	1488.6							
	STD	00800	06.29	35.03	27.56	01.046	1489.5							
14.1	085	T00804	06.28	35.033	27.56		1489.5							

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REFID 31 2220 YEAR 1973 BJTDP 05303 AIR TEMP 23.0 DIR MGT PER WIND-DIR 27 INST NANSEN CAST TEN 50 1207  
CONSEC 0006 MONTH 06 SHIP DU MET BULB 18.3 33 3 2 WIND-SPO 06 TRACE DIR 5 SQUARE 3  
LAT 39 50 N DAY 13 DATA USE 1 BAROMETER 1013.2 SEA WIND-FOR DURATION 2 SQUARE 60  
LONG 053 10 W HDJA 18.0 AREA 05 CLOUD T/A 0/3 CL/TR WEATHER R1 ORIG A4 028 1 SQUARE 90

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	ORYG	P04	TOT P	NO2	NO3	S103	PH
	STD	00000	17.80	35.20	25.49	00.000	1516.2							
18.0	085	00000	17.80	35.202	25.49		1516.2							
	STD	00010	17.13	35.21	25.67	00.024	1514.3							
	STD	00020	16.49	35.22	25.82	00.047	1512.6							
18.0	085	00024	16.27	35.220	25.87		1512.0							
	STD	00030	15.93	35.41	26.39	00.067	1511.3							
18.0	085	00047	15.33	35.761	26.51		1510.0							
	STD	00050	15.29	35.78	26.53	00.102	1510.1							
18.0	085	00070	15.20	35.622	26.58		1510.2							
	STD	00075	15.00	35.79	26.60	00.140	1509.6							
18.0	085	00094	14.41	35.715	26.67		1507.9							
	STD	00100	14.40	35.71	26.67	00.176	1506.0							
	STD	00125	14.24	35.71	26.70	00.211	1507.9							
18.0	085	00141	14.02	35.710	26.75		1507.4							
	STD	00150	13.74	35.65	26.76	00.245	1506.6							
18.0	085	T00192	12.71	35.498	26.81		1503.6							
	STD	00200	12.65	35.44	26.82	00.310	1503.5							
	STD	00250	12.25	35.45	26.91	00.373	1503.0							
18.0	085	00286	11.56	35.465	26.98		1502.6							
	STD	00300	11.31	35.35	27.01	00.432	1500.4							
18.0	085	00380	06.75	34.960	27.16		1492.0							
	STD	00400	08.72	35.02	27.20	00.536	1492.3							
18.0	085	T00479	08.37	35.119	27.33		1492.4							
	STD	00500	08.16	35.11	27.36	00.625	1491.9							
18.0	085	T00573	07.44	35.095	27.45		1490.3							
	STD	00600	07.13	35.39	27.49	00.701	1489.6							
	STD	00700	06.16	35.06	27.60	00.765	1487.3							
18.0	085	00762	05.69	35.050	27.65		1486.5							
	STD	00800	05.51	35.05	27.67	00.822	1486.3							
	STD	00900	05.08	35.04	27.72	00.874	1486.3							
18.0	085	T00956	04.88	35.031	27.74		1486.4							
18.0	085	T01442	04.21	35.000	27.79		1481.7							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

M D D C S T A T I O N D A T A

REFID 51 2220 YEAR 1973 BOTDP 05029 AIR TEMP 18.9 DIR MGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1307  
CONSEC 0007 MONTH 06 SHIP DU WET BULB 17.0 33 3 2 WIND-SPD 04 TRACE DIR 5 SQUARE 1  
LAT 43 20 N DAY 13 DATA USE 1 BAROMETR 1012.1 SEA WIND-FOR DURATION 2 SQUARE 00  
LONG 050 20 W HOUR 21.2 AREA 05 CLOUD 7/A 7/8 CL/TR WEATHER K2 ORIG A4 028 1 SQUARE 00

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYC	PO4	TOT P	NO2	NO3	SI03	PH
21.2	STO	00000	17.67	35.26	25.57	00.000	1515.8							
	STO	00000	17.67	35.258	25.57		1515.8							
	STO	00010	16.29	35.36	25.98	00.022	1512.0							
	STO	00020	15.31	35.47	26.28	00.041	1509.3							
21.2	085	00025	14.98	35.521	26.40		1508.4							
	STO	00030	14.56	35.55	26.46	00.058	1508.5							
	STO	00050	14.86	35.77	26.62	00.088	1508.7							
21.2	085	00050	14.86	35.773	26.62		1508.7							
	STO	00075	14.26	35.73	26.71	00.124	1507.2							
21.2	085	00075	14.26	35.730	26.71		1507.2							
	STO	00100	14.41	35.83	26.76	00.157	1508.2							
21.2	065	00100	14.41	35.825	26.76		1508.2							
	STO	00125	14.03	35.74	26.77	00.190	1507.3							
	STO	00150	13.71	35.67	26.78	00.223	1506.5							
21.2	085	00150	13.71	35.665	26.78		1506.5							
	STO	00200	13.24	35.55	26.82	00.285	1505.7							
21.2	085	T00205	13.18	35.575	26.82		1505.6							
	STO	00250	12.55	35.50	26.89	00.352	1504.1							
	STO	00300	11.72	35.40	26.97	00.412	1501.9							
21.2	085	00305	11.63	35.354	26.98		1501.7							
	STO	00400	09.60	35.18	27.18	00.520	1495.7							
21.2	085	00405	09.51	35.173	27.19		1495.5							
	STO	00500	08.50	35.11	27.34	00.611	1492.4							
21.2	085	T00510	08.07	35.105	27.37		1491.7							
	STO	00600	04.92	35.04	27.74	00.675	1480.6							
21.2	085	00610	04.69											
	STO	00700	04.77	35.00	27.72	00.720	1481.6							
	STO	00800	04.85	34.97	27.69	00.769	1483.0							
21.2	085	T00810	04.86	34.968	27.69		1483.8							
	STO	00900	04.72	34.97	27.71	00.815	1484.6							
	STO	01000	04.55	34.98	27.73	00.868	1485.7							
21.2	085	01015	04.53	34.979	27.73		1485.8							
21.2	085	T01525	04.13											

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REFID 51 2220 YEAR 1973 BOTDP 05749 AIR TEMP 20.0 DIR MGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1307  
CONSEC 0038 MONTH 06 SHIP DU WET BULB 20.0 34 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 1  
LAT 43 50 N DAY 14 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 2 SQUARE 00  
LONG 050 20 W HOUR 02.2 AREA 05 CLOUD 7/A 7/8 CL/TR WEATHER K5 ORIG A4 028 1 SQUARE 00

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DAYC	PO4	TOT P	NO2	NO3	SI03	PH
02.2	STO	00000	17.91	35.47	25.67	00.000	1516.8							
	085	00000	17.91	35.471	25.67		1516.8							
	STO	00010	18.45	35.85	25.83	00.023	1518.9							
	STO	00020	18.76	36.14	25.97	00.044	1520.4							
02.2	085	00029	18.86	36.328	26.08		1521.1							
	STO	00030	18.86	36.34	26.10	00.064	1521.0							
	STO	00050	18.46	36.44	26.28	00.101	1520.4							
02.2	085	00055	18.41	36.453	26.30		1520.3							
	STO	00075	18.04	36.42	26.37	00.144	1515.5							
02.2	085	00082	17.94	36.419	26.39		1519.4							
	STO	00100	17.77	36.42	26.43	00.185	1515.2							
02.2	085	00107	17.65	36.410	26.45		1519.0							
	STO	00125	17.45	36.37	26.48	00.226	1518.5							
	STO	00150	17.04	36.30	26.52	00.266	1517.7							
02.2	085	00160	16.88	36.273	26.54		1517.4							
	STO	00200	16.18	36.15	26.61	00.343	1515.7							
02.2	085	T00213	15.56	36.114	26.63		1515.2							
	STO	00250	15.52	36.06	26.69	00.416	1514.4							
	STO	00300	14.7c	35.96	26.78	00.487	1512.7							
02.2	085	00320	14.40	35.902	26.82		1511.8							
	STO	00400	12.62	35.63	26.95	00.616	1506.9							
02.2	085	00427	11.56	35.504	27.01		1505.0							
	STO	00500	09.86	35.23	27.17	00.727	1498.4							
02.2	085	00534	09.07	35.141	27.24		1495.9							
	STO	00600	07.96	35.08	27.36	00.820	1492.8							
02.2	085	T00641	07.35	35.051	27.43		1491.0							
	STO	00700	06.56	35.02	27.51	00.895	1488.9							
	STO	00800	05.51	34.98	27.62	00.955	1486.3							
02.2	085	T00861	05.05	34.961	27.66		1485.4							
	STO	00900	04.93	34.96	27.67	01.015	1485.5							
	STO	01000	04.66	34.94	27.71	01.067	1486.1							
02.2	085	T01076	04.48	34.967	27.73		1486.6							
02.2	085	T01616	03.5A	34.976	27.79		1493.6							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

N D O C S T A T I O N O A T A

REFID 31 1220 YEAR 1973 BOTDF 03-75 AIR TEMP 18.3 DIR MGT PER #IND-DIR 32 INST NANSEN CAST TEN 50 1307  
CONSEC 0035 MONTH 06 SHIP DU WET BULB 18.3 34 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 1  
LAT 41 10 N DAY 14 DATA USE 1 BARDMETR 1009.4 SEA DURATION 2 SQUARE 03  
LONG 050 20 W HOUR 05.8 AREA 05 CLOUD T/A T/8 CL/T/A WEATHER X5 DRIG A4 028 1 SQUARE 10

CASINUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DAYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.96	35.19	25.65	00.000	1513.7							
05.6	OBS	00000	16.96	35.194	25.65		1513.7							
	STD	00010	16.90	35.32	25.60	00.003	1512.8							
	STD	00020	16.85	35.45	25.94	00.044	1514.0							
05.8	OBS	00026	16.80	35.648	26.08		1524.2							
	STD	00030	16.91	35.72	26.11	00.064	1514.6							
05.6	OBS	00049	17.45	36.190	26.34		1517.1							
	STD	00050	17.42	36.19	26.34	00.100	1517.0							
	STD	00075	16.75	36.17	26.49	00.141	1515.4							
05.8	OBS	00076	16.73	36.174	26.50		1515.4							
05.8	OBS	00098	16.45	36.155	26.55		1514.9							
	STD	00100	16.32	36.13	26.56	00.160	1514.5							
	STD	00125	14.92	35.85	26.66	00.217	1510.2							
05.8	OBS	00145	14.10	35.694	26.72		1507.7							
	STD	00150	13.59	35.68	26.73	00.252	1507.5							
05.8	OBS	T00192	13.24	35.543	26.76		1505.5							
	STD	00200	13.16	35.53	26.79	00.319	1505.3							
	STD	00250	12.69	35.45	26.82	00.385	1504.5							
05.8	OBS	T0282	12.41	35.423	26.86		1504.0							
	STD	00300	12.28	35.42	26.88	00.449	1503.5							
05.8	OBS	00368	11.76	35.430	26.98		1503.3							
	STD	00400	10.70	35.29	27.07	00.566	1495.8							
05.8	OBS	T00452	09.54	35.135	27.19		1495.6							
	STD	00500	08.68	35.11	27.28	00.666	1493.9							
05.8	OBS	T00535	08.19	35.097	27.34		1492.8							
	STD	00600	06.97	35.05	27.47	00.747	1488.8							
05.8	OBS	T00697	05.76	34.987	27.56		1485.6							
	STD	00700	05.75	34.99	27.60	00.813	1485.6							
	STD	00800	05.53	35.03	27.66	00.870	1486.4							
05.8	OBS	T00864	05.39	35.048	27.69		1486.9							
05.8	OBS	T01351	04.24	34.987	27.77		1489.9							

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REFID 31 1220 YEAR 1973 BOTDF 03-75 AIR TEMP 17.2 DIR MGT PER #IND-DIR 28 INST NANSEN CAST TEN 50 1307  
CONSEC 0035 MONTH 06 SHIP DU WET BULB 17.2 34 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 1  
LAT 41 10 N DAY 14 DATA USE 1 BARDMETR 1005.1 SEA DURATION 2 SQUARE 00  
LONG 050 20 W HOUR 05.1 AREA 05 CLOUD T/A T/8 CL/T/A WEATHER X2 DRIG A4 028 1 SQUARE 10

CASINUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DAYG	PD4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.80	35.71	26.58	00.000	1507.6							
05.1	OBS	00000	14.80	35.707	26.58		1507.6							
	STD	00010	14.79	35.67	26.55	00.015	1507.7							
	STD	00020	14.73	35.65	26.55	00.030	1507.6							
	STD	00030	14.59	35.63	26.56	00.045	1507.4							
05.1	OBS	00032	14.56											
	STD	00050	14.14	35.61	26.64	00.074	1506.2							
05.1	OBS	00050	14.14	35.606	26.64		1506.2							
	STD	00075	13.70	35.62	26.75	00.108	1505.2							
05.1	OBS	00077	13.68	35.620	26.75		1505.2							
	STD	00100	13.55	35.62	26.78	00.141	1505.1							
05.1	OBS	00100	13.55	35.624	26.78		1505.1							
	STD	00125	13.41	35.60	26.80	00.174	1505.0							
	STD	00150	13.21	35.58	26.82	00.206	1504.8							
05.1	OBS	00150	13.21	35.578	26.82		1504.8							
	STD	00200	12.63	35.50	26.87	00.265	1503.5							
05.1	OBS	T00200	12.63	35.505	26.87		1503.5							
	STD	00250	11.52	35.39	27.00	00.328	1500.4							
05.1	OBS	T0299	10.49	35.290	27.11		1497.4							
	STD	00300	10.47	35.29	27.11	00.382	1497.4							
05.1	OBS	00356	08.57	35.115	27.30		1491.8							
	STD	00400	08.52	35.12	27.30	00.476	1491.6							
05.1	OBS	T00456	06.78	34.997	27.47		1486.4							
	STD	00500	06.77	35.00	27.47	00.554	1486.4							
05.1	OBS	T00557	06.16	35.013	27.56		1485.6							
	STD	00600	06.14	35.01	27.56	00.620	1485.6							
	STD	00700	05.64	35.00	27.62	00.680	1485.1							
05.1	OBS	00799	05.18											
	STD	00800	05.18	34.98	27.66	00.736	1484.9							
	STD	00900	04.74	34.97	27.70	00.788	1484.8							
05.1	OBS	T00956	04.40	34.961	27.73		1485.0							
05.1	OBS	T01509	03.96	34.953	27.77		1491.7							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

N O O C S T A T I O N D A T A

REFID 51 2220	YEAR 1973	BOTOP 03475	AIR TEMP 13.5	OIR MGT PER	WIND-OIR 29	INST NANSEN CAST	TEN SQ 1307
CONSEC 0311	MONTH 06	SHIP 00	WET BULB 13.9	27 2 2	WIND-SPD 08	TRACE OIR	5 SQUARE 1
LAT 42 20 N	DAY 14	DATA USE 1	BAROMETR 1008.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 19 W	MOU 12.4	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A4 028	1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPMT	SNO VEL	ORYG	PD4	TOT P	MO2	NO3	SI03	PH
12.4	STO	00000	08.99	32.37	25.05	00.000	1483.3							
12.4	OBS	00000	08.95	32.372	25.09		1483.3							
12.4	STO	00010	08.85	32.62	25.59	00.026	1475.7							
12.4	STO	00020	05.27	32.87	25.98	00.045	1465.6							
12.4	OBS	00021	05.13	32.850	26.01		1465.1							
12.4	STO	00030	03.62	33.05	26.33	00.068	1463.1							
12.4	OBS	00044	03.32	33.422	26.62		1462.6							
12.4	STO	00050	04.84	33.65	26.68	00.095	1469.4							
12.4	OBS	00066	07.85	34.280	26.75		1482.6							
12.4	STO	00075	08.88	34.56	26.81	00.132	1486.9							
12.4	OBS	00088	09.75	34.834	26.88		1450.7							
12.4	STO	00100	05.26	34.79	26.93	00.162	1489.0							
12.4	STO	00125	08.31	34.65	27.00	00.190	1485.8							
12.4	OBS	00125	08.17	34.676	27.01		1485.3							
12.4	STO	00150	07.29	34.56	27.05	00.217	1482.0							
12.4	OBS	T00174	06.72	34.505	27.09		1480.2							
12.4	STO	00200	07.57	34.73	27.15	00.267	1484.2							
12.4	OBS	00249	08.00	34.940	27.25		1486.9							
12.4	STO	00250	07.56	34.53	27.25	00.313	1486.8							
12.4	STO	00300	06.28	34.74	27.33	00.355	1480.8							
12.4	OBS	00323	05.74	34.695	27.37		1478.9							
12.4	STO	00400	04.58	34.75	27.53	00.425	1477.3							
12.4	OBS	T00402	04.97	34.795	27.54		1477.2							
12.4	OBS	T00476	04.65	34.823	27.59		1477.3							
12.4	STO	00500	04.65	34.84	27.61	00.462	1477.6							
12.4	STO	00600	04.52	34.90	27.67	00.534	1478.8							
12.4	OBS	T00624	04.50	34.515	27.69		1479.1							
12.4	STO	00700	04.46	34.93	27.70	00.582	1480.2							
12.4	OBS	T00785	04.41	34.947	27.72		1481.5							
12.4	OBS	T01213	04.04	34.554	27.77		1487.1							

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REFID 51 2220	YEAR 1973	BOTOP 03405	AIR TEMP 13.3	OIR MGT PER	WIND-OIR 22	INST NANSEN CAST	TEN SQ 1307
CONSEC 0012	MONTH 06	SHIP 00	WET BULB 13.3	22 1 2	WIND-SPD 27	TRACE OIR	5 SQUARE 1
LAT 42 30 N	DAY 14	DATA USE 1	BAROMETR 1008.1	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	MOU 15.6	AREA 05	CLOUD T/A X/9	CL/TR	WEATHER X4	ORIG A4 028	1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPMT	SNO VEL	ORYG	PD4	TOT P	MO2	NO3	SI03	PH
15.6	STO	00000	07.03	32.71	25.63	00.000	1476.2							
15.6	OBS	00000	07.00	32.707	25.65		1476.2							
15.6	STO	00010	04.04	32.89	26.13	00.021	1464.3							
15.6	STO	00020	01.79	33.06	26.46	00.039	1455.0							
15.6	OBS	00028	00.52	33.153	26.64		1445.6							
15.6	STO	00030	00.35	33.23	26.68	00.053	1449.1							
15.6	STO	00050	- 0.46	33.51	26.54	00.076	1445.5							
15.6	OBS	00051	- 0.48	33.516	26.55		1445.5							
15.6	STO	00075	- 0.37	33.55	26.58	00.106	1446.8							
15.6	OBS	00075	- 0.35	33.588	27.00		1447.0							
15.6	STO	00100	02.55	33.95	27.11	00.132	1461.1							
15.6	OBS	00102	02.80	33.975	27.11		1462.0							
15.6	STO	00125	03.32	34.16	27.21	00.195	1464.5							
15.6	STO	00150	03.66	34.30	27.29	00.176	1466.5							
15.6	OBS	00153	03.68	34.312	27.29		1467.1							
15.6	STO	00200	03.59	34.40	27.37	00.214	1467.6							
15.6	OBS	T00233	03.58	34.408	27.38		1467.6							
15.6	STO	00250	04.02	34.58	27.47	00.245	1470.5							
15.6	STO	00300	04.31	34.71	27.55	00.275	1472.7							
15.6	OBS	00304	04.33	34.720	27.55		1472.5							
15.6	STO	00400	04.32	34.82	27.63	00.334	1474.5							
15.6	OBS	00405	04.32	34.823	27.63		1474.6							
15.6	STO	00500	04.56	34.52	27.68	00.383	1477.3							
15.6	OBS	T00506	04.57	34.921	27.68		1477.5							
15.6	STO	00600	04.73	34.57	27.70	00.431	1475.7							
15.6	OBS	T00606	04.73	34.971	27.70		1475.9							
15.6	STO	00700	04.43	34.94	27.72	00.477	1480.1							
15.6	STO	00800	04.22	34.53	27.73	00.523	1480.5							
15.6	OBS	00812	04.20	34.928	27.73		1481.0							
15.6	STO	00900	04.18	34.94	27.74	00.565	1482.4							
15.6	STO	01000	04.15	34.96	27.76	00.614	1484.0							
15.6	OBS	T01018	04.14	34.555	27.76		1484.2							
15.6	OBS	T01549	03.75	34.953	27.80		1451.5							

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

NOOC STATION DATA

REFID 31 2220 YEAR 1973 BOTOP 02577 AKA TEMP 12.8 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1307  
CONSEC 0313 MONTH 06 SHIP DU WET BULB 12.8 21 1 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1  
LAT 42 40 N DAY 14 DATA USE 1 BAROMETR 1003.2 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 053 18 W HOUR 16.2 AREA 05 CLOUD T/A X/9 CL/TR WEATHER X4 DRIG A4 028 1 SQUARE 20

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	IDT P	NO2	NO3	SI03	PH
18.2	STD	00000	06.64	32.62	25.59	00.000	1475.3							
	085	00000	06.84	32.624	25.59		1475.3							
	STD	00010	06.82	32.68	25.64	00.024	1475.5							
	STD	00020	06.12	32.75	25.78	00.047	1472.9							
18.2	085	00027	05.22	32.748	25.92		1469.4							
	STD	00030	04.23	32.85	26.11	00.067	1465.5							
18.2	085	00045	00.24	33.377	26.81		1448.9							
	STD	00050	00.30	33.35	26.81	00.095	1449.2							
	STD	00075	01.17	33.64	26.96	00.128	1453.9							
18.2	085	00075	01.17	33.640	26.96		1453.9							
18.2	085	00096	00.96	33.726	27.05		1453.5							
	STD	00100	01.07	33.75	27.06	00.155	1454.1							
	STD	00125	02.22	34.00	27.17	00.179	1459.9							
18.2	085	00145	02.61	34.148	27.24		1463.0							
	STD	00150	02.61	34.17	27.26	00.201	1463.1							
18.2	085	T00196	02.98	34.346	27.35		1464.9							
	STD	00200	03.01	34.36	27.39	00.239	1465.1							
	STD	00250	03.68	34.56	27.49	00.272	1465.0							
18.2	085	00293	04.08	34.688	27.55		1471.6							
	STD	00300	04.11	34.70	27.56	00.302	1471.9							
18.2	085	00591	04.39	34.842	27.64		1474.7							
	STD	00400	04.40	34.85	27.65	00.355	1474.9							
18.2	085	T00488	04.40	34.512	27.65		1476.5							
	STD	00500	04.37	34.91	27.70	00.403	1476.5							
18.2	085	T00595	04.22	34.900	27.70		1477.5							
	STD	00600	04.22	34.90	27.71	00.445	1477.5							
	STD	00700	04.20	34.93	27.73	00.495	1479.2							
18.2	085	T00785	04.19	34.938	27.74		1480.5							
	STD	00800	04.18	34.94	27.74	00.540	1480.7							
	STD	00900	04.09	34.94	27.75	00.584	1482.0							
18.2	085	T00985	04.03	34.936	27.75		1483.2							
18.2	085	T01507	03.81	34.950	27.79		1491.0							

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REFID 31 2220 YEAR 1973 BOTOP 00088 AKA TEMP 12.8 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1307  
CONSEC 0314 MONTH 06 SHIP DU WET BULB 12.8 20 1 2 WIND-SPD 17 TRACE DIR 5 SQUARE 1  
LAT 43 00 N DAY 14 DATA USE 1 BAROMETR 1001.1 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 20 W HOUR 22.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER A2 DRIG A4 028 1 SQUARE 30

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	IDT P	NO2	NO3	SI03	PH
22.8	STD	00000	06.11	32.41	25.52	00.000	1472.1							
	085	00000	06.11	32.411	25.52		1472.1							
	STD	00010	02.41	32.45	25.93	00.025	1456.8							
	STD	00020	- 0.12	32.57	26.17	00.042	1445.7							
22.8	085	00024	- 0.81	32.633	26.25		1442.6							
	STD	00030	- 1.07	32.62	26.41	00.060	1441.8							
22.8	085	00044	- 1.47	33.152	26.68		1440.6							
	STD	00050	- 1.50	33.21	26.74	00.089	1440.6							
22.8	085	00069	- 1.52	33.242	26.77		1440.9							
	STD	00075	- 1.49											
22.8	085	00085	- 1.40											
	STD	00100	- 1.38											
	STD	00125	- 1.10											
22.8	085	00135	- 0.91											
	STD	00150	- 0.46											
22.8	085	T00180	00.55	33.09 P	26.560*									
	STD	00200	01.77											
	STD	00250	03.96											
22.8	085	00273	04.55											
	STD	00300	04.43											
22.8	085	00367	04.23	33.12 P	26.290*									
	STD	00400	04.23											
22.8	085	T00463	04.23	33.21 P	26.360									
	STD	00500	04.23											
22.8	085	T00573	04.25	33.26 P	26.400									

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TABLE VI. Observed oceanographic data occupied by USCGC BOUTWELL (A4-28)  
12-28 June 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 2220	YEAR 1973	BOATOP 00067	AIR TEMP 12.2	DIR MGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1307
CONSEC 0015	MONTH 06	SHIP OU	WET BULB 11.7	22 2 2	WIND-SPD 13	TRACE DIR	5 SQUARE 1
LAT 43 20 N	DAY 15	DATA USE 1	BAROMETR 1001.6	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 150 20 W	MOU 00.2	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER A2	DRIG A4 028	3 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
	STO	00000	06.17	33.35	25.96	00.000	1481.4							
00.2	085	00000	06.17	33.355	25.98		1481.4							
	STO	00010	07.43	33.38	26.11	00.020	1478.8							
	STO	00020	06.12	33.44	26.53	00.038	1473.8							
00.2	085	00024	05.44	33.477	26.44		1471.2							
	STO	00030	03.34	33.55	26.72	00.053	1462.8							
00.2	085	00048	- 0.56	33.773	27.16		1445.8							
	STO	00050	- 0.58	33.84	27.22	00.075	1445.8							
00.2	085	00067	- 0.75	34.732	27.95		1446.6							

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REFID 51 2220	YEAR 1973	BOATOP 00820	AIR TEMP 10.6	DIR MGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1307
CONSEC 0016	MONTH 06	SHIP OU	WET BULB 10.6	25 5 2	WIND-SPD 26	TRACE DIR	5 SQUARE 1
LAT 42 40 N	DAY 15	DATA USE 1	BAROMETR 1003.3	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 150 25 W	MOU 05.4	AREA 05	CLOUD T/A T/6	CL/TR	WEATHER K1	DRIG A4 028	3 SQUARE 30

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
	STO	00000	06.11	34.84	27.15	00.000	1483.1							
03.4	085	00000	06.11	34.837	27.15		1483.1							
	STO	00010	06.77	34.84	27.35	00.008	1478.1							
	STO	00020	05.20	34.85	27.56	00.015	1472.0							
03.4	085	00024	04.51	34.858	27.64		1469.2							
	STO	00050	03.41	34.86	27.76	00.019	1464.7							
03.4	085	00048	- 0.37	34.888	28.05		1448.2							

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TABLE VII. Observed oceanographic data occupied by USCGC MORGENTHAU (A3-61)  
18-25 July 1973.

MOOC STATION DATA

REFID 31 2234 YEAR 1973 BOTOP 00060 AIR TEMP 17.4 OIR MGT PER WIND-OIR 15 INST NANSEN EAST TEN SQ 1306  
CONSEC 0001 MONTH 07 SHIP 4M MET BULB 16.7 15 2 3 WIND-SPD 10 TRACE OIR 5 SQUARE 2  
LAT 44 39 N DAY 22 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 049 20 W HOUR 16.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG A3 061 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.12	31.73	23.23	00.000	1506.9							
16.8	OBS	00000	16.12	31.73	23.23		1506.9							
	STD	00010	09.99	32.13	24.74	00.035	1488.8							
	STD	00020	05.20	32.47	25.67	00.067	1468.8							
16.8	OBS	00025	03.32	32.615	25.98		1461.2							
	STD	00030	01.77	32.75	26.21	00.086	1454.7							
	STD	00035	- 1.04	33.15	26.66	00.120	1442.7							
16.8	OBS	00050	- 1.04	33.125	26.66		1442.7							

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REFID 31 2234 YEAR 1973 BOTOP 00020 AIR TEMP 17.2 OIR MGT PER WIND-OIR 08 INST NANSEN EAST TEN SQ 1306  
CONSEC 0002 MONTH 07 SHIP 4M MET BULB 16.8 09 2 3 WIND-SPD 08 TRACE OIR 5 SQUARE 2  
LAT 44 39 N DAY 22 DATA USE 1 BAROMETR 1014.7 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 049 08 W HOUR 15.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG A3 061 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.34	31.71	23.17	00.000	1507.6							
16.3	OBS	00000	16.34	31.708	23.17		1507.6							
	STD	00010	10.08	32.38	24.92	00.035	1487.5							
	STD	00020	05.22	32.86	25.58	00.064	1469.4							
19.3	OBS	00025	03.30	33.026	26.31		1461.6							
	STD	00030	02.06	33.06	26.44	00.062	1456.4							
19.3	OBS	00045	- 1.07	33.168	26.69		1442.6							
	STD	00050	- 1.09	33.17	26.70	00.114	1442.5							
19.3	OBS	00074	- 1.43	33.231	26.75		1441.4							
	STD	00075	- 1.42	33.24	26.76	00.145	1441.5							
19.3	OBS	00099	- 1.32	33.325	26.83		1442.5							
	STD	00100	- 1.32	33.33	26.83	00.177	1442.5							
	STD	00125	- 1.34	33.37	26.86	00.207	1442.9							
19.3	OBS	00148	- 1.35	33.411	26.90		1443.3							
	STD	00150	- 1.35	33.42	26.90	00.236	1443.3							
	STD	00200	- 1.24	33.56	27.02	00.291	1444.9							
19.3	OBS	00202	- 1.23	33.566	27.02		1444.9							
	STD	00250	- 0.98	33.67	27.10	00.341	1447.0							
	STD	00300	- 0.58	33.75	27.14	00.368	1445.8							
19.3	OBS	T00301	- 0.57	33.747	27.14		1445.9							

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REFID 31 2234 YEAR 1973 BOTOP 00175 AIR TEMP 16.4 OIR MGT PER WIND-OIR 05 INST NANSEN EAST TEN SQ 1306  
CONSEC 0003 MONTH 07 SHIP 4M MET BULB 15.4 05 2 3 WIND-SPD 09 TRACE OIR 5 SQUARE 2  
LAT 44 38 N DAY 22 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 048 50 W HOUR 22.3 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG A3 061 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.40	31.81	23.87	00.000	1498.2							
22.3	OBS	00000	13.40	31.811	23.87		1496.2							
	STD	00010	10.98	32.34	24.73	00.036	1490.7							
	STD	00020	08.63	32.76	25.44	00.065	1482.7							
22.3	OBS	00025	07.49	32.926	25.74		1478.7							
	STD	00030	06.14	33.32	25.59	00.088	1475.5							
	STD	00050	02.08	33.33	26.65	00.122	1457.1							
22.3	OBS	00050	02.08	33.327	26.65		1457.1							
	OBS	00073	00.08	33.557	26.59		1448.9							
	STD	00079	00.16	33.62	27.01	00.193	1445.5							
22.3	OBS	00098	01.16	33.877	27.15		1456.4							
	STD	00100	01.21	33.89	27.16	00.178	1454.9							
	STD	00125	01.73	34.07	27.27	00.199	1437.7							
22.3	OBS	00147	01.94	34.153	27.35		1459.3							
	STD	00150	01.93	34.21	27.36	00.219	1455.3							
	STD	00200	01.75	34.36	27.50	00.252	1455.8							
22.3	OBS	00200	01.79	34.360	27.50		1459.8							

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TABLE VII. Observed oceanographic data occupied by USCGC MORGENTHAU (A3-61)  
18-25 July 1973.—Continued

MOO L STATION DATA

REFID 31 2234 YEAR 1973 BOTOP 02541 AIR TEMP 16.8 DIR HGT PER WIND-OIR 07 INST NANSEN CAST TEN SQ 1306  
CONSEC 030 MONTH 07 SHIP 4M WET BULB 14.8 07 2 3 WIND-SPD 12 TRACE OIR 5 SQUARE 2  
LAT 44 30 N DAY 23 DATA USE 1 BAROMETR 1016.5 SEA 4 WIND-FOR DURATION 2 SQUARE 48  
LONG 048 35 W HOUR 03.8 AREA 05 CLOUD T/4 8/8 CL/TR WEATHER 44 ORIG. A3 063 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.8	STO	00000	13.70	31.31	23.42	00.000	1498.6							
	DBS	00000	13.70	31.509	23.42		1498.6							
	STO	00010	06.15	31.78	24.80	00.039	1483.3							
	STO	00020	05.04	32.28	25.37	00.069	1471.0							
03.8	DBS	00025	04.64											
	STO	00030	04.33	32.52	25.81	00.093	1445.4							
03.8	DBS	00045	03.19	32.491	26.29		1461.5							
	STO	00050	03.16	33.00	26.30	00.132	1461.4							
03.8	DBS	00074	01.78	33.257	26.62		1456.1							
	STO	00075	01.63	33.27	26.64	00.172	1455.5							
03.8	DBS	00095	- 0.87	33.616	27.05		1445.0							
	STO	00100	- 0.82	33.63	27.05	00.202	1445.2							
	STO	00125	00.28	33.87	27.20	00.226	1451.1							
03.8	DBS	00148	01.23	34.086	27.32		1456.0							
	STO	00150	01.32	34.11	27.33	00.246	1456.5							
	STO	00200	03.12	34.51	27.50	00.280	1465.7							
03.8	DBS	00202	02.17	34.520	27.51		1466.0							
	STO	00250	03.65	34.68	27.59	00.308	1469.1							
	STO	00300	04.03	34.80	27.65	00.334	1471.5							
03.8	DBS	00301	04.01	34.805	27.65		1471.6							
	STO	00400	04.23	34.90	27.70	00.380	1474.3							
03.8	DBS	T00400	04.23	34.500	27.70		1474.3							
	STO	00500	04.43	34.95	27.73	00.423	1476.8							
03.8	DBS	00505	04.43	34.956	27.73		1476.9							
	STO	00600	04.33	34.96	27.74	00.466	1478.1							
03.8	DBS	T00604	04.32	34.965	27.75		1478.1							
	STO	00700	04.03	34.94	27.70	00.508	1478.5							
	STO	00800	03.82	34.93	27.77	00.550	1479.2							
03.8	DBS	T00802	03.82	34.925	27.77		1479.3							
	STO	00900	03.75	34.92	27.77	00.592	1480.6							
	STO	01000	03.68	34.92	27.78	00.633	1482.0							
03.8	DBS	01036	03.68	34.925	27.78		1482.1							
03.8	DBS	T01515	03.58	34.991	27.84		1490.3							

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REFID 31 2234 YEAR 1973 BOTOP 03252 AIR TEMP 17.1 DIR HGT PER WIND-OIR 29 INST NANSEN CAST TEN SQ 1306  
CONSEC 0005 MONTH 07 SHIP 4M WET BULB 15.4 29 2 3 WIND-SPD 10 TRACE OIR 5 SQUARE 2  
LAT 44 27 N DAY 23 DATA USE 1 BAROMETR 1017.5 SEA 4 WIND-FOR DURATION 2 SQUARE 48  
LONG 048 21 W HOUR 03.7 AREA 05 CLOUD T/4 6/8 CL/TR WEATHER 44 ORIG. A3 061 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
03.7	STO	00000	13.17	32.09	24.13	00.000	1497.8							
	DBS	00000	13.17	32.051	24.13		1497.8							
	STO	00010	08.88	32.52	25.22	00.033	1483.2							
	STO	00020	05.46	32.88	25.46	00.057	1470.4							
03.7	DBS	00025	04.08	33.031	26.24		1465.0							
	STO	00030	03.07	33.15	26.43	00.075	1463.9							
	STO	00050	00.41	33.53	26.92	00.103	1450.0							
03.7	DBS	00050	00.41	33.533	26.92		1450.0							
	STO	00075	00.15	33.80	27.15	00.128	1449.5							
03.7	DBS	00075	00.15	33.795	27.15		1449.5							
	STO	00100	- 0.28	33.90	27.26	00.150	1448.1							
03.7	DBS	00100	- 0.28	33.902	27.26		1448.1							
	STO	00125	00.43	34.07	27.35	00.170	1452.0							
	STO	00150	01.31	34.25	27.45	00.187	1456.7							
03.7	DBS	00150	01.31	34.255	27.45		1456.7							
	STO	00200	03.71	34.71	27.60	00.216	1468.5							
03.7	DBS	T00205	03.88	34.735	27.61		1469.4							
	STO	00250	04.19	34.82	27.65	00.241	1471.5							
	STO	00300	04.40	34.89	27.67	00.264	1473.3							
03.7	DBS	00305	04.41	34.890	27.68		1473.4							
	STO	00400	04.37	34.91	27.70	00.310	1474.9							
03.7	DBS	00405	04.36	34.913	27.70		1474.9							
	STO	00500	04.11	34.93	27.74	00.353	1475.5							
03.7	DBS	00510	04.10	34.935	27.75		1475.6							
	STO	00600	04.14	34.96	27.76	00.394	1477.3							
03.7	DBS	T00610	04.14	34.960	27.76		1477.5							
	STO	00700	03.93	34.94	27.77	00.435	1478.1							
	STO	00800	03.77	34.93	27.77	00.475	1479.0							
03.7	DBS	00810	03.76	34.925	27.77		1479.1							
	STO	00900	03.71	34.93	27.78	00.516	1480.4							
	STO	01000	03.67	34.94	27.79	00.557	1481.9							
03.7	DBS	T01015	03.66	34.938	27.79		1482.1							
	STO	T01525	03.54	34.975	27.63		1490.3							
03.7	DBS	01750	03.50	34.98	27.64		1453.9							
	STO	02000	03.35	34.98	27.86		1497.7							
06.4	DBS	T02011	03.38	34.583	27.86		1458.0							
	STO	02500	02.96	34.96	27.88		1504.4							
06.4	DBS	T02528	02.93	34.961	27.88		1504.7							
	STO	03000	02.36	34.94	27.92		1510.4							
06.4	DBS	T03030	02.34	34.941	27.92		1510.8							
06.4	DBS	T03226	02.21	34.937	27.93		1513.7							

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TABLE VII. Observed oceanographic data occupied by USCGC MORGENTHAU (A3-61)  
18-25 July 1973.—Continued

N O D C S T A T I U M O A T A

REFIC 31 2234 YEAR 1973 BOTOP 03402 AIR TEMP 14.6 DIR MGT PER WIND-DIR 16 INST NANSEN CAST TEM SQ 1306  
CONSEC 0000 MONTH 07 SHIP 4M WET BULB 14.2 16 3 4 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
LAT 44 25 N DAY 23 DATA USE 1 BAROMETR 1017.2 SEA WIND-FDR DURATION 2 SQUARE 48  
LONG 048 07 W HOUR 05.8 AREA 05 CLOUD T/A R/T CL/TR WEATHER R4 DRIG-A3 061 1 SQUARE 48

CASHTM/IME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
09.0	STD	00000	13.43	32.40	24.32	00.000	1499.1							
09.0	D85	00000	13.43	32.400	24.32		1495.1							
09.0	STD	00010	09.34	32.81	25.37	00.031	1485.3							
09.0	S10	00020	05.68	33.12	26.13	00.054	1471.6							
09.0	D85	00021	05.34	33.150	26.19		1470.3							
09.0	STD	00030	02.02	33.32	26.65	00.070	1456.5							
09.0	D85	00036	00.19	33.445	26.86		1448.6							
09.0	STD	00050	00.35	33.57	26.96	00.095	1449.6							
09.0	D85	00059	00.35	33.667	27.03		1450.2							
09.0	STD	00075	00.27	33.76	27.11	00.121	1450.0							
09.0	D85	00076	00.26											
09.0	STD	00100	01.68	33.69	27.13	00.145	1457.0							
09.0	D85	00115	02.53											
09.0	STD	00125	02.55	34.02	27.17	00.168	1461.4							
09.0	STD	00150	03.04	34.14	27.22	00.190	1464.1							
09.0	D85	T00156	03.15											
09.0	STD	00200	03.70	34.36	27.33	00.231	1468.0							
09.0	D85	00240	04.11	34.517	27.41		1470.6							
09.0	STD	00250	04.23	34.55	27.43	00.268	1471.3							
09.0	STD	00300	04.64	34.71	27.51	00.300	1474.1							
09.0	D85	T00324	04.72	34.775	27.55		1474.9							
09.0	STD	00400	04.45	34.90	27.68	00.354	1475.2							
09.0	D85	00410	04.42	34.907	27.69		1475.2							
09.0	D85	00496	04.26	34.950	27.74		1476.1							
09.0	STD	00500	04.28	34.95	27.74	00.359	1476.2							
09.0	STD	00600	04.24	34.93	27.73	00.442	1477.7							
09.0	D85	T00683	04.14	34.924	27.73		1478.6							
09.0	STD	00700	04.11	34.92	27.74	00.486	1478.8							
09.0	STD	00800	03.91	34.92	27.75	00.529	1479.6							
09.0	D85	T00869	03.72	34.920	27.77		1479.9							

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REFIC 31 2234 YEAR 1973 BOTOP 03564 AIR TEMP 15.4 DIR MGT PER WIND-DIR 03 INST NANSEN CAST TEM SQ 1306  
CONSEC 0000 MONTH 07 SHIP 4M WET BULB 14.9 16 3 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
LAT 44 23 N DAY 23 DATA USE 1 BAROMETR 1016.3 SEA WIND-FDR DURATION 2 SQUARE 46  
LONG 047 54 W HOUR 14.6 AREA 05 CLOUD T/A R/T CL/TR WEATHER R4 DRIG-A3 061 1 SQUARE 47

CASHTM/IME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
14.0	STD	00000	13.30	32.50	24.42	00.000	1498.8							
14.0	D85	00000	13.30	32.499	24.42		1498.8							
14.0	STD	00010	10.77	32.62	24.59	00.033	1490.3							
14.0	STD	00020	07.85	32.79	25.58	00.059	1475.8							
14.0	D85	00025	06.25	32.884	25.87		1473.7							
14.0	STD	00030	03.57	33.01	26.27	00.080	1462.9							
14.0	D85	00045	- 1.14	33.371	26.86		1442.5							
14.0	STD	00050	- 0.11	33.50	26.92	00.105	1447.5							
14.0	D85	00071	02.45	33.870	27.05		1459.9							
14.0	STD	00075	02.37	33.90	27.08	00.136	1459.6							
14.0	D85	00092	02.12	34.006	27.19		1458.9							
14.0	STD	00100	02.14	34.04	27.21	00.159	1459.2							
14.0	STD	00125	02.20	34.13	27.28	00.180	1460.0							
14.0	D85	00139	02.24	34.174	27.31		1460.5							
14.0	STD	00150	02.05	34.19	27.34	00.200	1459.8							
14.0	D85	T00185	01.66	34.264	27.43		1458.9							
14.0	STD	00200	01.81	34.32	27.46	00.234	1459.6							
14.0	STD	00250	02.50	34.49	27.56	00.264	1463.0							
14.0	D85	00278	02.59	34.567	27.60		1464.8							
14.0	STD	00300	02.92	34.63	27.62	00.290	1466.7							
14.0	D85	T00373	03.71	34.775	27.66		1471.5							
14.0	STD	00400	03.81	34.79	27.66	00.339	1472.3							
14.0	D85	00470	03.99	34.848	27.69		1474.4							
14.0	STD	00500	04.03	34.88	27.71	00.385	1475.0							
14.0	D85	T00570	04.10	34.930	27.74		1476.6							
14.0	STD	00600	04.13	34.93	27.74	00.429	1477.2							
14.0	STD	00700	04.21	34.94	27.74	00.472	1479.2							
14.0	D85	T00786	04.27	34.953	27.74		1480.9							

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TABLE VII. Observed oceanographic data occupied by USCGC MORGENTHAU (A3-61)  
18-25 July 1973.—Continued

M O O C S T A T I O N D A T A

REFID 31 223- YEAR 1973 BOTOP 03749 AIR TEMP 16.4 OIR HGT PER WIND-OIR 14 INST NANSEN CAST TEN SG 1306  
CONSEC 0008 MONTH 07 SHIP 4M WET BULB 16.2 14 2 3 WIND-SPD 11 TRACE OIR 3 SQUARE 2  
LAT 44 25 N DAY 23 DATA USE 1 BAROMETR 1014.4 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 047 53 W HOUR 17.4 AREA 05 CLOUD T/A X/7 CL/TR WEATHER X6 ORIG A3 061 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDP7M	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.46	32.73	24.15	00.000	1536.1							
17.4	OBS	00000	15.46	32.735	24.15		1536.1							
	STD	00010	10.62	32.95	25.30	00.032	1490.2							
	STD	00020	06.68	33.18	26.05	00.056	1475.7							
17.4	OBS	00028	04.17	35.283	26.43		1465.7							
	STD	00030	03.53	35.29	26.49	00.073	1465.0							
	STD	00050	03.10	35.32	26.77	00.102	1448.3							
17.4	OBS	00052	00.06	31.328	26.78		1448.1							
	STD	00075	04.49	34.03	26.98	00.131	1468.8							
17.4	OBS	00100	04.85	34.092	26.99		1470.5							
	STD	00100	04.64	34.14	27.06	00.158	1470.0							
17.4	OBS	00132	04.62	34.148	27.06		1470.0							
	STD	00125	05.36	34.35	27.14	00.182	1473.7							
	STD	00150	05.85	34.50	27.20	00.205	1476.3							
17.4	OBS	00151	05.86	34.510	27.20		1476.3							
	STD	00200	05.84	34.64	27.31	00.248	1477.2							
17.4	OBS	T00201	05.84	34.643	27.31		1477.3							
	STD	00250	05.83	34.76	27.41	00.286	1478.2							
17.4	OBS	00299	05.82	34.849	27.48		1479.1							
	STD	00300	05.81	34.85	27.48	00.320	1479.1							
17.4	OBS	T00357	05.28	34.912	27.59		1478.6							
	STD	00400	05.27	34.51	27.63	00.380	1476.6							
17.4	OBS	00456	04.88	34.936	27.66		1478.6							
	STD	00500	04.87	34.94	27.66	00.433	1478.6							
17.4	OBS	T00554	04.63	34.946	27.70		1475.2							
	STD	00600	04.63	34.55	27.70	00.461	1475.3							
	STD	00700	04.57	34.57	27.72	00.528	1480.7							
17.4	OBS	00795	04.51	34.981	27.74		1482.1							
	STD	00800	04.49	34.98	27.74	00.573	1482.1							
	STD	00900	04.22	34.56	27.75	00.618	1482.6							
	STD	01000	04.01	34.55	27.77	00.662	1483.4							
17.4	OBS	T01005	04.00	34.949	27.77		1483.4							
17.4	OBS	T01509	03.84	34.565	27.80		1491.2							

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REFID 31 223- YEAR 1973 BOTOP 03951 AIR TEMP 16.4 OIR HGT PER WIND-OIR 14 INST NANSEN CAST TEN SG 1306  
CONSEC 0008 MONTH 07 SHIP 4M WET BULB 16.1 14 2 3 WIND-SPD 08 TRACE OIR 3 SQUARE 2  
LAT 44 15 N DAY 23 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 047 14 W HOUR 20.4 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG A3 061 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDP7M	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.51	32.63	23.36	00.000	1515.2							
20.4	OBS	00000	18.51	32.634	23.36		1515.2							
	STD	00010	12.91	32.68	24.64	00.035	1497.8							
	STD	00020	08.54	32.79	25.48	00.068	1482.4							
	STD	00030	05.40	32.95	26.03	00.091	1470.4							
20.4	OBS	00030	05.40	32.954	26.03		1470.4							
	STD	00050	03.21	33.54	26.72	00.124	1462.3							
20.4	OBS	00055	02.95	33.644	26.83		1461.5							
	STD	00075	03.54	33.89	26.97	00.155	1464.7							
20.4	OBS	00085	03.83	33.991	27.02		1466.2							
	STD	00100	04.23	34.08	27.06	00.181	1468.2							
20.4	OBS	00110	04.52	34.153	27.08		1469.7							
	STD	00125	05.29	34.32	27.13	00.206	1473.3							
	STD	00150	06.15	34.54	27.18	00.229	1477.7							
20.4	OBS	00165	06.50	34.626	27.21		1475.3							
	STD	00200	06.29	34.67	27.28	00.275	1475.1							
20.4	OBS	00220	06.18	34.697	27.31		1479.0							
20.4	OBS	T00440	05.50											
	STD	00500	05.42											
20.4	OBS	00550	05.32	35.020	27.67		1481.4							
	STD	00600	05.16	35.02	27.69		1481.6							
20.4	OBS	00660	04.95	35.019	27.71		1481.9							
	STD	00700	04.95	35.02	27.72		1482.4							
	STD	00800	04.85	35.02	27.74		1483.5							
20.4	OBS	T00885	04.67	35.028	27.76		1464.3							
	STD	00900	04.62	35.02	27.76		1484.4							
	STD	01000	04.32	35.00	27.77		1484.8							
	STD	01100	04.00	34.98	27.78		1485.4							
20.4	OBS	01105	04.07	34.977	27.78		1485.4							
20.4	OBS	T01655	03.70	34.959	27.81		1493.1							

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TABLE VII. Observed oceanographic data occupied by USCGC MORGENTHAU (A3-61)  
18-25 July 1973.—Continued

N O O C S T A T I O N O A T A

REFID 51 2234	YEAR 1973	BOTOP 03913	AIR TEMP 19.5	DIR MGT PER	WIND-DIR 21	INST NANSEN CAST	TEN SQ 1306
CONSEC 0010	MONTH 07	SHIP 4M	WET BULB 18.0	00 X X	WIND-SPO 07	TRACE DIR	5 SQUARE 2
LAT 44 07 N	DAY 24	DATA USE 1	BAROMETR 1014.2	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 046 33 W	MOUR 04.0	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG ~ A3 061	1 SQUARE 46

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	QVNDPTH	SNO VEL	OXYG	PO4	TOT P	MO2	NO3	SIO3	PH
	STD	00000	19.80	32.85	23.15	00.000	1519.2							
04.0	OBS	00000	19.86	32.854	23.15		1519.2							
	STD	00010	16.05											
	STD	00020	12.54											
04.0	OBS	00024	11.22											
	STD	00030	08.87											
04.0	OBS	00045	05.09											
	STD	00050	05.14											
04.0	OBS	00070	05.45											
	STD	00075	05.58											
04.0	OBS	00090	05.53											
	STD	00100	06.10											
	STD	00125	06.43											
04.0	OBS	00135	06.52											
	STD	00150	06.58											
04.0	OBS	00180	06.63											
	STD	00200	06.58											
	STD	00250	06.32											
04.0	OBS	00266	06.19											
	STD	00300	05.67											
04.0	OBS	00350	05.21											
	STD	00400	05.21											
04.0	OBS	00435	05.21											
	STD	00500	05.43											
04.0	OBS	00576	05.43											
	STD	00600	05.32											
04.0	OBS	00688	04.96											
	STD	00700	04.91											
	STD	00800	04.57											
04.0	OBS	00854	04.41	34.925	27.70		1482.6							

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TABLE VIII. Observed oceanographic data occupied by USCGC INGHAM (A2-57)  
9-16 August 1973.

M O O C S T A T I O N O A T A

REFID 31 2242 YEAR 1973 BOTOP 00145 AIR TEMP 12.3 DIR MGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1306  
CONSEC 0001 MONTH 08 SHIP IN WET BULB 12.0 05 4 3 WIND-SPO 20 TRACE DIR 5 SQUARE 4  
LAT 47 03 N DAY 14 DATA USE 1 BAROMETR 1008.1 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 047 56 W HOUR 00.7 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER Xc ORIG A2 057 1 SQUARE 77

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STO	00000	12.98											
00.7	OBS	00000	12.98											
	STO	00010	06.72											
	STO	00020	05.38											
00.7	OBS	00029	03.16	32.245	25.70		1460.0							
	STO	00030	03.06	32.25	25.74		1456.7							
	STO	00050	01.17	32.56	26.42		1452.6							
00.7	OBS	00053	00.50	33.027	26.49		1451.5							
	STO	00075	- 1.29	33.13	26.67		1441.9							
00.7	OBS	00082	- 1.63	33.163	26.70		1440.5							
	STO	00100	- 1.61	33.26	26.78		1441.0							
00.7	OBS	00106	- 1.47	33.295	26.81		1441.8							
	STO	00125	- 0.55	33.38	26.85		1446.6							
00.7	OBS	T00141	00.76	33.455	26.84		1452.9							

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REFID 31 2242 YEAR 1973 BOTOP 00183 AIR TEMP 12.3 DIR MGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1306  
CONSEC 0002 MONTH 08 SHIP IN WET BULB 12.0 05 4 3 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
LAT 47 02 N DAY 14 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 047 35 W HOUR 03.5 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 77

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STO	00000	12.68	31.25	23.57	00.000	1495.1							
03.5	OBS	00000	12.68	31.247	23.57		1495.1							
	STO	00010	07.76	32.40	25.29	00.035	1478.8							
	STO	00020	03.68	33.14	26.34	00.057	1464.2							
03.5	OBS	00024	02.62	33.318	26.60		1459.1							
	STO	00030	01.23	33.21	26.61	00.073	1452.9							
03.5	OBS	00048	- 1.48	33.020	26.58		1440.4							
	STO	00050	- 1.50	33.03	26.59	00.102	1440.4							
03.5	OBS	00075	- 1.60	33.117	26.67		1440.4							
	STO	00075	- 1.60	33.13	26.67	00.137	1440.5							
03.5	OBS	00097	- 1.56	33.229	26.76		1441.2							
	STO	00100	- 1.51	33.24	26.77	00.170	1441.5							
	STO	00125	- 0.72	33.37	26.85	00.201	1445.7							
	STO	00150	00.74	33.51	26.86	00.231	1453.1							
03.5	OBS	T00154	01.04	33.531	26.88		1454.5							

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REFID 31 2242 YEAR 1973 BOTOP 00215 AIR TEMP 14.8 DIR MGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1306  
CONSEC 0003 MONTH 08 SHIP IN WET BULB 12.6 04 4 3 WIND-SPO 17 TRACE DIR 5 SQUARE 4  
LAT 47 04 N DAY 14 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 047 28 W HOUR 05.1 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 77

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STO	00000	12.70	31.26	23.58	00.000	1495.2							
05.1	OBS	00000	12.70	31.255	23.58		1495.2							
	STO	00010	06.83	31.91	25.03	00.035	1474.5							
	STO	00020	02.55	32.41	25.88	00.062	1457.6							
05.1	OBS	00025	01.08	32.608	26.14		1451.3							
	STO	00030	00.77	32.72	26.25	00.081	1450.2							
	STO	00050	- 0.39	33.04	26.56	00.114	1445.6							
05.1	OBS	00050	- 0.35	33.039	26.55		1445.6							
	OBS	00074	- 1.67	33.135	26.68		1440.1							
	STO	00075	- 1.67	33.14	26.69	00.149	1440.2							
05.1	OBS	00095	- 1.55	33.225	26.75		1441.0							
	STO	00100	- 1.59	33.23	26.76	00.182	1441.1							
	STO	00125	- 1.55	33.34	26.84	00.214	1441.8							
05.1	OBS	00149	- 1.52	33.454	26.94		1442.5							
	STO	00150	- 1.51	33.46	26.94	00.243	1442.6							
05.1	OBS	T00193	- 0.77	33.712	27.12		1447.1							

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TABLE VIII. Observed oceanographic data occupied by USCGC INGHAM (A2-57)  
9-16 August 1973.—Continued

NOOC STATION DATA

REFID 31 2242 YEAR 1973 BOTOP 03504 AIR TEMP 12.7 DIR MGT PER WIND-DIR 04 INST NANSEN CAST TEN SG 1302  
 CONSEC 0004 MONTH 08 SHIP IN WET BULB 11.9 04 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 47 05 N DAY 14 DATA USE 1 BAROMETR 1010.1 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 047 19 W MOJR 06.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 77

CSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.0	STC	00000	12.60	31.11	23.49	00.000	1494.7							
	DBS	00000	12.60	31.115	23.49		1494.7							
	STO	00010	05.66	32.01	25.25	00.036	1469.9							
	STO	00020	00.80	32.65	26.19	00.058	1450.0							
09.0	DBS	00028	- 1.11	32.904	26.48		1441.7							
	STO	00050	- 1.26	32.84	26.51	00.075	1441.1							
09.0	DBS	00048	- 1.70	33.081	26.62		1439.5							
	STO	00050	- 1.70	33.08	26.63	00.105	1439.5							
	STO	00075	- 1.68	33.13	26.68	00.140	1440.1							
09.0	DBS	00075	- 1.68	33.135	26.68		1440.1							
09.0	DBS	00067	- 1.59	33.220	26.75		1441.0							
	STO	00100	- 1.59											
	STO	00125	- 1.51											
09.0	DBS	00146	- 1.35											
	STO	00150	- 1.30											
09.0	DBS	T00166	- 0.62											
	STO	00200	- 0.55											
	STO	00250	00.44											
	STO	00300	01.66											
09.0	DBS	T00328	02.45	34.551	27.60		1465.0							

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REFID 31 2242 YEAR 1973 BOTOP 01169 AIR TEMP 13.0 DIR MGT PER WIND-DIR 07 INST NANSEN CAST TEN SG 1306  
 CONSEC 0005 MONTH 08 SHIP IN WET BULB 11.8 07 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 47 01 N DAY 14 DATA USE 1 BAROMETR 1010.9 SEA WIND-FOR DURATION 2 SQUARE 66  
 LONG 046 58 W MOJR 13.9 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 76

CSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNDPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	STO	00000	12.44	32.01	24.21	00.000	1495.2							
	DBS	00000	12.44	32.010	24.21		1495.2							
	STO	00010	10.59	32.26	24.74	00.035	1489.2							
	STO	00020	08.34	32.55	25.33	00.064	1481.4							
13.9	DBS	00024	07.33	32.682	25.57		1477.7							
	STO	00030	04.99	32.96	26.08	00.087	1468.7							
13.9	DBS	00044	01.34	33.424	26.78		1453.9							
	STO	00050	01.17	33.50	26.85	00.119	1453.4							
13.9	DBS	00068	01.03	33.880	27.01		1453.3							
	STO	00075	01.21	33.75	27.04	00.147	1454.2							
13.9	DBS	00089	01.53	33.836	27.10		1456.1							
	STC	00100	01.73	33.92	27.15	00.171	1457.2							
	STO	00125	02.14	34.09	27.25	00.195	1459.7							
13.9	DBS	00134	02.28	34.145	27.29		1460.5							
	STO	00150	02.46	34.26	27.35	00.213	1461.7							
13.9	DBS	00179		34.428										
	STO	00200	02.97	34.51	27.52	00.246	1465.1							
	STO	00250	03.36	34.67	27.61	00.273	1467.8							
13.9	DBS	00270	03.49	34.715	27.63		1466.8							
	STO	00300	03.62	34.76	27.66	00.298	1469.9							
13.9	DBS	T00360	03.86	34.840	27.70		1472.0							
	STO	00400	04.04	34.87	27.70	00.344	1473.4							
13.9	DBS	00455	04.18	34.901	27.71		1475.0							
	STO	00500	04.18	34.91	27.72	00.387	1475.7							
13.9	DBS	T00550	04.16	34.918	27.73		1476.5							
	STO	00600	04.06	34.92	27.73	00.431	1477.0							
	STO	00700	03.94	34.91	27.74	00.474	1478.1							
13.9	DBS	T00748	03.89	34.909	27.75		1478.6							
	STO	00800	03.84	34.91	27.76	00.517	1479.5							
13.9	DBS	00823	03.82	34.916	27.76		1479.6							

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TABLE VIII. Observed oceanographic data occupied by USCGC INGHAM (A2-57)  
9-16 August 1973.—Continued

NOOC STATION DATA

REFID 31 2242 YEAR 1973 BOTOP 01042 AIR TEMP 13.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SD 1306  
CONSEC 0006 MONTH 08 SHIP IN WET BULB 11.8 07 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
LAT 47 00 N DAY 14 DATA USE 1 BAROMETR 1010.9 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 046 46 W HOUR 17.3 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 76

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	F	NO2	NO3	SI03	PH
	STO	00000	12.58	32.44	24.52	00.000	1496.3								
17.3	08S	00000	12.58	32.441	24.52		1496.3								
	STO	00010	11.82	32.57	24.76	00.033	1493.9								
	STO	00020	10.03	32.73	25.20	00.063	1487.9								
17.3	08S	00027	08.18	32.867	25.60		1481.3								
	STO	00030	06.46	32.95	25.90	00.088	1474.7								
17.3	08S	00048	- 0.37	33.375	26.83		1446.1								
	STO	00050	- 0.32	33.41	26.86	00.121	1446.4								
17.3	08S	00074	00.22	33.701	27.07		1449.7								
	STO	00075	00.24	33.71	27.07	00.148	1449.8								
17.3	08S	00095	00.64	33.651	27.17		1452.2								
	STO	00100	00.83	33.89	27.18	00.172	1453.2								
	STO	00125	01.76	34.07	27.27	00.193	1458.0								
17.3	08S	00142	02.35	34.195	27.32		1461.0								
	STO	00150	02.66	34.27	27.35	00.213	1462.6								
17.3	08S	T00189	03.64	34.552	27.47		1468.7								
	STO	00200	03.93	34.59	27.49	00.247	1469.2								
	STO	00250	04.12	34.72	27.57	00.276	1471.1								
17.3	08S	00283	04.24	34.782	27.61		1472.2								
	STO	00300	04.31	34.81	27.62	00.303	1472.6								
17.3	08S	T00378	04.46	34.883	27.67		1474.9								
	STO	00400	04.42	34.85	27.67	00.352	1475.1								
17.3	08S	00479	04.30	34.904	27.70		1475.9								
	STO	00500	04.28	34.91	27.71	00.398	1476.2								
17.3	08S	00580	04.21	34.923	27.72		1477.2								
	STO	00600	04.19	34.92	27.73	00.443	1477.4								
	STO	00700	04.00	34.91	27.73	00.487	1478.5								
	STO	00800	03.93	34.90	27.74	00.531	1479.5								
17.3	08S	00804	03.65	34.902	27.74		1479.6								

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REFID 31 2242 YEAR 1973 BOTOP 00511 AIR TEMP 13.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SD 1306  
CONSEC 0007 MONTH 08 SHIP IN WET BULB 11.0 06 3 3 WIND-SPD 25 TRACE DIR 5 SQUARE 4  
LAT 47 00 N DAY 14 DATA USE 1 BAROMETR 1011.5 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 046 31 W HOUR 15.5 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 76

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	F	NO2	NO3	SI03	PH
	STO	00000	12.56	32.48	24.55	00.000	1496.2								
19.5	08S	00000	12.56	32.481	24.55		1496.2								
	STO	00010	08.53	32.85	25.52	00.029	1482.3								
	STO	00020	05.31	33.12	26.17	00.051	1473.1								
19.5	08S	00028	03.50	33.298	26.52		1460.0								
	STO	00050	02.95	33.32	26.58	00.068	1460.6								
	STO	00050	00.92	33.56	26.94	00.094	1450.5								
19.5	08S	00053	00.83	33.556	26.98		1449.7								
	STO	00075	00.58	33.80	27.16	00.119	1451.6								
19.5	08S	00082	00.81	33.868	27.17		1452.8								
	STO	00100	01.95	34.07	27.25	00.142	1458.4								
19.5	08S	00108	02.35	34.147	27.28		1460.4								
	STO	00125	02.71	34.25	27.33	00.162	1462.4								
	STO	00150	03.13	34.37	27.35	00.180	1464.8								
19.5	08S	00164	03.31	34.427	27.42		1465.9								
	STO	00200	03.52	34.53	27.48	00.213	1467.5								
19.5	08S	T00222	03.63	34.581	27.51		1468.4								
	STO	00250	03.73	34.65	27.56	00.243	1469.3								
	STO	00300	03.89	34.75	27.62	00.270	1471.0								
19.5	08S	00342	04.03	34.818	27.66		1472.4								
	STO	00400	04.21	34.89	27.70	00.318	1474.2								
19.5	08S	T00463	04.40	34.936	27.71		1476.0								

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REFID 31 2242 YEAR 1973 BOTOP 00254 AIR TEMP 13.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SD 1306  
CONSEC 0008 MONTH 06 SHIP IN WET BULB 13.0 06 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
LAT 47 00 N DAY 14 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 2 SQUARE 66  
LONG 046 12 W HOUR 21.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG A2 057 1 SQUARE 76

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	F	NO2	NO3	SI03	PH
	STO	00000	12.88	32.44	24.46	00.000	1497.5								
21.9	08S	00000	12.88	32.435	24.46		1497.3								
	STO	00010	10.54	32.70	25.09	00.032	1489.6								
	STO	00020	08.33	32.93	25.63	00.058	1481.8								
	STO	00050	06.25	33.15	26.08	00.080	1474.1								
21.9	08S	00051	06.05	33.166	26.12		1473.4								
	STO	00050	01.98	33.50	26.60	00.112	1456.9								
21.9	08S	00054	00.94	33.641	26.98		1452.6								
	STO	00075	01.34	33.87	27.14	00.139	1455.0								
	STO	00090	01.72	34.038	27.24		1457.2								
21.9	08S	00100	01.98	34.11	27.28	00.161	1458.6								
	STO	00116	02.41	34.223	27.34		1460.9								
	STO	00125	02.34	34.27	27.36	00.180	1461.7								
	STO	00150	02.98	34.41	27.43	00.198	1464.2								
21.9	08S	00177	03.40	34.537	27.50		1466.6								
	STO	00200	03.72	34.63	27.54	00.229	1468.5								
21.9	08S	T00223	04.01	34.714	27.58		1470.2								

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TABLE VIII. Observed oceanographic data occupied by USCGC INGHAM (A2-57)  
9-16 August 1973.—Continued

M Q C S T A T I O N O A T A

REFID 31 2242 YEAR 1973 BOTOP 00253 AIR TEMP 13.3 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN S3 1306  
CONSEC 0309 MONTH 08 SHIP IN MET BULB 12.4 08 3 2 WIND-SPD 23 TRACE DIR 5 SQUARE 4  
LAT -7 03 N DAY 15 DATA USE 1 BAROMETR 1012.3 SEA 2 SQUARE 64  
LONG 145 55 W HOUR 01.1 AREA 05 CLOUD T/4 6/8 CL/TR WEATHER R6 ORIG A2 057 1 SQUARE 65

CASNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
01.1	STD	00000	12.29	32.35	24.50	00.000	1495.1							
	OBS	00000	12.29	32.349	24.50		1495.1							
	STD	00010	10.17	32.58	25.06	00.032	1488.1							
	STD	00020	08.14	32.81	25.56	00.059	1480.9							
	STD	00030	06.18	33.02	25.99	00.081	1473.7							
01.1	OBS	00051	05.99	33.046	26.03		1473.0							
	STD	00050	01.98	33.44	26.75	00.114	1456.8							
01.1	OBS	00055	00.96	33.603	26.95		1452.7							
	STD	00075	01.43	32.86	27.13	00.142	1455.4							
01.1	OBS	00050	01.82	34.046	27.24		1457.6							
	STD	00100	02.04	34.11	27.28	00.164	1458.9							
01.1	OBS	00118	02.43	34.223	27.34		1460.9							
	STD	00125	02.53	34.26	27.36	00.184	1461.6							
	STD	00150	02.95	34.39	27.42	00.201	1464.0							
01.1	OBS	00177	03.31	34.507	27.48		1466.2							
	STD	00200	03.50	34.57	27.52	00.233	1467.5							
01.1	OBS	T00236	03.81	34.655	27.58		1469.6							
	STD	00250	03.61	34.74	27.61	00.261	1470.2							
01.1	OBS	T00269	04.06	34.604	27.65		1471.3							

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REFID 31 2242 YEAR 1973 BOTOP 00280 AIR TEMP 13.3 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN S3 1306  
CONSEC 0310 MONTH 08 SHIP IN MET BULB 12.4 08 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
LAT -7 21 N DAY 15 DATA USE 1 BAROMETR 1012.3 SEA 2 SQUARE 64  
LONG 145 47 W HOUR 03.4 AREA 05 CLOUD T/4 3/4 CL/TR WEATHER R1 ORIG A2 057 1 SQUARE 75

CASNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
03.4	STD	00000	12.36	32.34	24.48	00.000	1495.4							
	OBS	00000	12.36	32.336	24.48		1495.4							
	STD	00010	10.14	32.68	25.14	00.032	1488.1							
	STD	00020	07.07	32.96	25.71	00.057	1480.1							
03.4	OBS	00028	06.03	33.142	26.10		1473.2							
	STD	00050	05.33	33.17	26.21	00.078	1470.4							
	STD	00050	00.58	33.45	26.84	00.108	1450.6							
03.4	OBS	00052	00.34	33.476	24.88		1449.6							
	STD	00075	01.25	33.83	27.11	00.135	1454.5							
03.4	OBS	00081	01.50	33.917	27.16		1455.9							
	STD	00100	02.39	34.20	27.32	00.157	1460.5							
03.4	OBS	00104	02.54	34.248	27.35		1461.3							
	STD	00125	02.83	34.36	27.41	00.175	1463.1							
	STD	00150	02.14	34.47	27.47	00.192	1465.0							
03.4	OBS	00157	03.22	34.502	27.49		1465.5							
	STD	00200	05.62	34.66	27.57	00.221	1468.1							
03.4	OBS	T00205	03.69	34.684	27.59		1468.6							
	STD	00250	03.93	34.78	27.64	00.246	1470.4							
03.4	OBS	T00266	04.00	34.812	27.66		1471.0							

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REFID 31 2242 YEAR 1973 BOTOP 00353 AIR TEMP 12.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN S3 1306  
CONSEC 0311 MONTH 08 SHIP IN MET BULB 11.3 05 3 3 WIND-SPD 21 TRACE DIR 5 SQUARE 4  
LAT -7 38 N DAY 15 DATA USE 1 BAROMETR 1013.8 SEA 2 SQUARE 64  
LONG 145 51 W HOUR 05.8 AREA 05 CLOUD T/4 3/8 CL/TR WEATHER X2 ORIG A2 057 1 SQUARE 75

CASNUM/TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	ORYG	PO4	TOT P	NO2	NO3	S103	PH
05.8	STD	00000	12.00	32.51	24.52	00.000	1494.1							
	OBS	00000	12.00	32.311	24.52		1494.1							
	STD	00010	05.18	32.61	25.24	00.031	1484.4							
	STD	00020	06.63	32.86	25.81	00.056	1475.3							
	STD	00030	04.27	33.08	26.25	00.075	1465.9							
05.8	OBS	00033	03.62	33.136	26.36		1463.3							
	STD	00050	- 0.03	33.36	26.82	00.106	1447.7							
05.8	OBS	00061	- 1.38	33.506	26.98		1441.8							
	STD	00075	- 1.11	33.63	27.07	00.133	1443.5							
05.8	OBS	00094	- 0.68	33.785	27.18		1446.0							
	STD	00100	- 0.55	33.82	27.20	00.157	1446.8							
05.8	OBS	00122	03.05	33.967	27.29		1450.3							
	STD	00125	00.31	34.03	27.31	00.177	1451.4							
	STD	00150	01.87	34.25	27.41	00.196	1459.1							
05.8	OBS	00184	03.22	34.500	27.49		1465.9							
	STD	00200	03.24	34.54	27.52	00.228	1466.3							
05.8	OBS	T00245	03.44	34.652	27.59		1468.1							
	STD	00250	03.48	34.67	27.59	00.256	1468.3							
	STD	00300	05.97	34.81	27.66	00.281	1471.4							
05.8	OBS	00314	04.16	34.848	27.67		1472.5							

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.

N O D C S T A T I O N O A T A

REFID 01 0343 YEAR 1973 BOTDP 02584 AIR TEMP 08.2 DIR MGT PER WIND-DIR 17 INST STO RECORDER TEN SQ 1407  
 COMSEC 0001 MONTH 08 SHIP ME WET GULB 07.9 18 6 2 WIND-SPO 20 TRACE DIR 0 5 SQUARE 3  
 LAT 35 10 N DAY 07 DATA USE 1 BAROMETR 0995.0 SEA WIND-FDR DURATION 01.1 2 SQUARE 42  
 LONG 052 40 W HOUR 20.9 AREA 05 CLOUD T/A CL/TR WEATHER 14 ORIG A1 010 1 SQUARE 52

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.9	STO	00300	07.51	33.68	26.33	00.000	1479.3							
	OBS	00300	07.51	33.678	26.33		1479.3							
	STO	00010	03.57											
	OBS	00010	03.57											
	STO	00020	01.33											
	OBS	00020	01.33											
	STO	00030	01.16											
	OBS	00030	01.16											
	STO	00050	01.55											
	OBS	00050	01.55											
	STO	00075	02.98											
	OBS	00075	02.98											
	STO	00100	03.12											
	OBS	00100	03.12											
	STO	00125	03.71											
	OBS	00125	03.71											
	STO	00150	04.11											
	OBS	00150	04.11											
	STO	00200	04.10											
	OBS	00200	04.10											
	STO	00250	04.11											
	OBS	00250	04.11											
	STO	00300	04.11											
	OBS	00300	04.11											
	STO	00400	04.00											
	OBS	00400	04.00											
	STO	00500	03.60											
	OBS	00500	03.60											
	STO	00600	03.78											
	OBS	00600	03.78											
	STO	00700	03.73											
	OBS	00700	03.73											
	STO	00800	03.61											
	OBS	00800	03.61											
	STO	00900	03.55											
	OBS	00900	03.55											
	STO	01000	03.51											
	OBS	01000	03.51											
	STO	01100	03.51											
	OBS	01100	03.51											
	STO	01200	03.51											
	OBS	01200	03.51											
	STO	01300	03.52											
	OBS	01300	03.52											
	STO	01400	03.60											
	OBS	01400	03.60											
	STO	01500	03.57	34.85	27.76	01.632	1485.8							
	OBS	01500	03.57	34.860	27.76		1489.8							

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.—Continued

NOOC STATION DATA

REFID	31	BE43	YEAR	1973	BOTOP	02381	AIR TEMP	06.8	OIR	MGT PER	WIND-DIR	17	INST	STO	RECORDER	TEN	SQ	1407	
CONSEC	0002	NOV	09	SMIP	ME	WET	BULB	08.5	18	3	2	WIND-SPO	17	TRACE	OIR	0	5	SQUARE	3
LAT	55	07	N	DATA	USE	1	BAROMETR	0998.0	SEA	CL/TR	WIND-FOR	WEATHER	K4	DURATION	00.4	2	SQUARE	42	
LONG	055	08	W	AREA	05	CLOUD	T/A						ORIG	A1	010	1	SQUARE	53	

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO	VEL	DRYG	P24	TOT	PE	NO2	NO3	SIO3	PH
01.5	STS	00000	07.12	35.81	26.45	00.000	1478.0									
	OBS	00000	07.12	33.809	26.49		1478.0									
	STS	00010	03.52													
	OBS	00010	03.52													
	STS	00020	02.20													
	OBS	00020	02.20													
	STS	00030	01.79													
	OBS	00030	01.79													
	STS	00035	01.55													
	OBS	00035	01.55													
	STS	00050	01.73													
	OBS	00050	01.73													
	STS	00075	02.69													
	OBS	00075	02.69													
	STS	00100	03.14													
	OBS	00100	03.14													
	STS	00125	03.87													
	OBS	00125	03.87													
	STS	00150	04.03													
	OBS	00150	04.03													
	STS	00200	04.18													
	OBS	00200	04.18													
	STS	00250	04.20													
	OBS	00250	04.20													
	STS	00300	04.18													
	OBS	00300	04.18													
	STS	00400	04.05													
	OBS	00400	04.05													
	STS	00500	03.94													
	OBS	00500	03.94													
	STS	00600	03.82													
	OBS	00600	03.82													
	STS	00700	03.71													
	OBS	00700	03.71													
	STS	00800	03.69													
	OBS	00800	03.69													
	STS	00900	03.63													
	OBS	00900	03.63													
	STS	01000	03.55													
	OBS	01000	03.55													
	STS	01100	03.51													
	OBS	01100	03.51													
	STS	01200	03.47													
	OBS	01200	03.47													
	STS	01300	03.57													
	OBS	01300	03.57													
	STS	01400	03.59													
	OBS	01400	03.59													
	STS	01500	03.54	34.94	27.81	01.485	1489.8									
	OBS	01500	03.54	34.935	27.81		1489.8									

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.—Continued

N O O C S T A T I O N O A T A

REFID 31 8345	YEAR 1973	BOTDP 01657	AIR TEMP 08.3	OIR MGT PER	WIND-OIR 17	INST STO RECORDER	TEN SO 1407
CONSEC 0003	MONTH 06	SHIP ME	MET BULB 07.5	10 3 2	WIND-SPO 18	TRACE OIR D	9 SQUARE 1
LAT 54 58 N	GAY 06	DATA USE 1	BAROMETR 0996.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 42
LONG 053 21.5W	MOJR 04.2	AREA 05	CLOUD T/A	CL/TR	WEATHER R4	DRIG AJ 010	1 SQUARE 43

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	CVNDPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	S103	PH
04.2	STO	00000	05.83	33.67	26.55	00.000	1472.6							
	OBS	00000	05.83	33.671	26.55		1472.6							
	STO	00010	05.64											
	OBS	00010	05.64											
	STO	00020	03.35											
	OBS	00020	03.35											
	STO	00030	02.15											
	OBS	00030	02.15											
	STO	00050	02.00											
	OBS	00050	02.00											
	STO	00075	02.64											
	OBS	00075	02.64											
	STO	00100	02.94											
	OBS	00100	02.94											
	STO	00125	03.53											
	OBS	00125	03.53											
	STO	00150	03.91											
	OBS	00150	03.91											
	STO	00200	04.21											
	OBS	00200	04.21											
	STO	00250	04.25											
	OBS	00250	04.25											
	STO	00300	04.19											
	OBS	00300	04.19											
	STO	00400	04.07											
	OBS	00400	04.07											
	STO	00500	03.97											
	OBS	00500	03.97											
	STO	00600	03.84											
	OBS	00600	03.84											
	STO	00700	03.76											
	OBS	00700	03.76											
	STO	00800	03.72											
	OBS	00800	03.72											
	STO	00900	03.62											
	OBS	00900	03.62											
	STO	01000	03.61											
	OBS	01000	03.61											
	STO	01100	03.57											
	OBS	01100	03.57											
	STO	01200	03.59											
	OBS	01200	03.59											
	STO	01300	03.58											
	OBS	01300	03.58											
	STO	01400	03.58											
	OBS	01400	03.58											
	STO	01500	03.60	34.52	27.79	01.462	1490.0							
	OBS	01500	03.60	34.920	27.79		1490.0							

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.—Continued

NOOC STATION DATA

REFID 31 8343	YEAR 1973	BOTDP 00876	AIR TEMP 06.8	DIR MGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1407
CONSEC 0004	MONTH 09	SHIP ME	MET BULB 06.1	18 4 2	WIND-SPO 25	TRACE DIR 0	5 SQUARE 1
LAT 54 55.5N	DAY 08	DATA USE 1	BAROMETR 0995.0	SEA	WIND-FDR	DURATION 00.2	2 SQUARE 42
LONG 053 36 W	MOJR 06.6	AREA 05	CLOUD T/A	CL/TR	WEATHER R4	ORIG A1 010	1 SQUARE 43

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
JA.A	STD	00000	06.07	33.68	26.53	00.000	1475.6							
	OBS	00000	06.07	33.683	26.53		1473.6							
	STD	00010	06.08											
	OBS	00010	06.08											
	STD	00020	06.06											
	OBS	00020	06.06											
	STD	00030	05.23											
	OBS	00030	05.23											
	STD	00050	01.58											
	OBS	00050	01.58											
	STD	00065	01.22											
	OBS	00065	01.22											
	STD	00075	00.40											
	OBS	00075	00.40											
	STD	00090	00.42											
	OBS	00090	00.42											
	STD	00100	00.72											
	OBS	00100	00.72											
	STD	00125	01.50											
	OBS	00125	01.50											
	STD	00150	02.98											
	OBS	00150	02.98											
	STD	00200	03.96											
	OBS	00200	03.96											
	STD	00250	04.10											
	OBS	00250	04.10											
	STD	00300	04.18											
	OBS	00300	04.18											
	STD	00340	04.29											
	OBS	00340	04.29											
	STD	00400	04.24											
	OBS	00400	04.24											
	STD	00500	04.08											
	OBS	00500	04.08											
	STD	00600	03.98											
	OBS	00600	03.98											
	STD	00700	03.94											
	OBS	00700	03.94											
	STD	00800	03.91											
	OBS	00800	03.91											
	OBS	00840	03.88	34.892	27.73		1480.1							

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REFID 31 8343	YEAR 1973	BOTDP 00220	AIR TEMP 05.2	DIR MGT PER	WIND-DIR 18	INST HANSEN CAST	TEN SQ 1407
CONSEC 0005	MONTH 05	SHIP ME	MET BULB 04.8	18 3 3	WIND-SPO 16	TRACE DIR	5 SQUARE 1
LAT 54 44.5N	DAY 08	DATA USE 1	BAROMETR 0594.4	SEA	WIND-FDR	DURATION	2 SQUARE 42
LONG 053 48.5 W	HOJR 10.2	AREA 05	CLOUD T/A R/9	CL/TR	WEATHER R4	ORIG A1 010	1 SQUARE 43

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
10.2	STD	00000	02.40	32.59	25.87	00.000	1456.4							
	OBS	00000	02.40	32.388	25.87		1456.4							
	STD	00010	02.12	32.43	25.93	00.021	1455.4							
	OBS	00010	02.12	32.43	25.93		1455.4							
	STD	00020	01.55	32.52	26.04	00.041	1453.2							
	OBS	00020	01.55	32.52	26.04		1453.2							
	STD	00024	01.24	32.576	26.11		1452.0							
	OBS	00024	01.24	32.576	26.11		1452.0							
	STD	00030	00.38	32.72	26.27	00.060	1448.3							
	OBS	00030	00.38	32.72	26.27		1448.3							
	STD	00044	- 1.01	32.972	26.53		1442.5							
	OBS	00044	- 1.01	32.972	26.53		1442.5							
	STD	00050	- 1.13	33.02	26.58	00.092	1442.1							
	OBS	00050	- 1.13	33.02	26.58		1442.1							
	STD	00064	- 1.35	33.136	26.68		1441.5							
	OBS	00064	- 1.35	33.136	26.68		1441.5							
	STD	00075	- 1.33	33.16	26.69	00.128	1441.8							
	OBS	00075	- 1.33	33.16	26.69		1441.8							
	STD	00085	- 1.30	33.208	26.73		1442.2							
	OBS	00085	- 1.30	33.208	26.73		1442.2							
	STD	00100	- 1.28	33.24	26.76	00.161	1442.5							
	OBS	00100	- 1.28	33.24	26.76		1442.5							
	STD	00125	- 1.25	33.36	26.85	00.192	1443.5							
	OBS	00125	- 1.25	33.36	26.85		1443.5							
	STD	00136	- 1.23	33.427	26.61		1443.6							
	OBS	00136	- 1.23	33.427	26.61		1443.6							
	STD	00150	- 0.95	33.55	27.00	00.220	1445.5							
	OBS	00150	- 0.95	33.55	27.00		1445.5							
	STD	00184	00.31	33.867	27.21		1450.8							
	OBS	00184	00.31	33.867	27.21		1450.8							
	STD	00200	00.55	34.02	27.30	00.266	1453.8							
	OBS	00200	00.55	34.02	27.30		1453.8							
	STD	00250	02.67	34.46	27.52	00.300	1464.0							
	OBS	00250	02.67	34.46	27.52		1464.0							
	STD	00252	02.77	34.502	27.53		1465.1							
	OBS	00252	02.77	34.502	27.53		1465.1							

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.—Continued

N O D C S T A T I O N D A T A

REFID 31 8343 YEAR 1973 BOTOP 00205 AIR TEMP 08.3 DIR HGT PER WIND-DIR 16 INST MANSEN CAST TEN SQ 1407  
 CONSEC 0006 MONTH 09 SHIP ME WET BULB 07.0 19 3 2 WIND-SPO 17 TRACE DIR 5 SQUARE 1  
 LAT 54 26 N DAY 08 DATA USE 1 BAROMETR 0994.4 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 054 22.5W HOUR 14.4 AREA 05 CLOUD T/A 3/1 CL/TR WEATHER X1 ORIG: A1 010 1 SQUARE 44

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.4	STS	00000	04.17	32.21	25.57	00.000	1463.8							
	OBS	00000	04.17	32.208	25.57		1463.8							
	STD	00010	02.70	32.39	25.85	00.023	1457.5							
	STD	00020	01.44	32.56	26.08	00.043	1452.7							
14.4	OBS	00029	00.47	32.702	26.25		1448.7							
	STD	00030	00.37	32.72	26.27	00.062	1448.3							
	STD	00050	- 1.17	33.01	26.57	00.054	1441.9							
14.4	OBS	00054	- 1.35	33.051	26.61		1441.2							
	STD	00075	- 1.42	33.19	26.72	00.129	1441.4							
14.4	OBS	00083	- 1.44	33.240	26.76		1441.5							
	STD	00100	- 1.50	33.52	26.83	00.161	1441.6							
14.4	OBS	00108	- 1.50	33.354	26.86		1441.8							
	STD	00125	- 1.44	33.42	26.91	00.191	1442.5							
	STD	00150	- 1.21	33.51	26.98	00.218	1444.1							
14.4	OBS	T00151	- 1.20	33.516	26.98		1444.2							

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REFID 31 8345 YEAR 1973 BOTOP 00181 AIR TEMP 05.0 DIR HGT PER WIND-DIR 19 INST MANSEN CAST TEN SQ 1407  
 CONSEC 0007 MONTH 05 SHIP ME WET BULB 07.4 15 3 5 WIND-SPO 14 TRACE DIR 5 SQUARE 1  
 LAT 54 18 N DAY 08 DATA USE 1 BAROMETR 0994.6 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 054 43.5W HOUR 16.0 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER A1 ORIG: A1 010 1 SQUARE 44

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.0	STD	00000	04.80	32.14	25.46	00.000	1466.4							
	OBS	00000	04.80	32.142	25.46		1466.4							
	STD	00010	04.22	32.20	25.56	00.025	1464.2							
	STD	00020	03.44	32.30	25.72	00.048	1461.2							
	STD	00030	02.48	32.44	25.91	00.070	1457.4							
16.0	OBS	00032	01.27	32.470	25.95		1456.5							
	STD	00050	- 0.52	32.52	26.47	00.107	1444.8							
16.0	OBS	00059	- 1.36	33.070	26.62		1441.5							
	STD	00075	- 1.36	33.17	26.70	00.144	1441.7							
16.0	OBS	00091	- 1.36	33.256	26.77		1442.0							
	STD	00100	- 1.41	33.50	26.81	00.176	1442.0							
16.0	OBS	00118	- 1.42	33.395	26.89		1442.4							
	STD	00125	- 1.39	33.43	26.91	00.206	1442.7							
16.0	OBS	00141	- 1.26	33.457	26.57		1443.7							

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REFID 31 8345 YEAR 1973 BOTOP 00172 AIR TEMP 07.1 DIR HGT PER WIND-DIR 18 INST MANSEN CAST TEN SQ 1407  
 CONSEC 0008 MONTH 09 SHIP ME WET BULB 06.0 24 2 2 WIND-SPO 11 TRACE DIR 5 SQUARE 1  
 LAT 54 11 N DAY 08 DATA USE 1 BAROMETR 0995.1 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 054 58.5W HOUR 17.5 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG: A1 010 1 SQUARE 44

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	STD	00000	03.82	32.20	25.67	00.000	1462.4							
	OBS	00000	03.82	32.279	25.67		1462.4							
	STD	00010	01.66	32.56	26.07	00.021	1453.6							
	STD	00020	00.04	32.78	26.34	00.040	1446.7							
17.5	OBS	00025	- 0.96	32.641	26.51		1442.5							
	STD	00030	- 0.95	32.95	26.51	00.056	1442.3							
	STD	00050	- 1.44	33.12	26.67	00.085	1440.8							
17.5	OBS	00053	- 1.48	33.143	26.68		1440.7							
	STD	00075	- 1.52	33.27	26.75	00.118	1441.1							
17.5	OBS	00082	- 1.53	33.305	26.82		1441.2							
	STD	00100	- 1.35	33.37	26.87	00.148	1442.2							
17.5	OBS	00106	- 1.35	33.398	26.89		1442.5							
	STD	00125	- 1.24	33.48	26.95	00.177	1443.5							
17.5	OBS	00144	- 1.17	33.575	27.03		1444.3							

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TABLE IX. Observed oceanographic data occupied by USCGC MENDOTA (A1-10)  
10-16 August 1973.—Continued

N O O C S T A T I O N D A T A

REFID 01 83-3 YEAR 1973 BOTOP 00154 AIR TEMP 07.5 OIR HGT PER WIND-OIR 20 INST MANSEN CAST TEM SQ 1407  
CONSEC 0039 MONTH 05 SHIP ME WET BULB 06.3 49 2 X WIND-SPD 05 TRACE OIR 5 SQUARE 2  
LAT 54 03 N DAY 08 DATA USE 1 BAROMETA 0996.0 SEA WIND-FOR DURATION 2 SQUARE 44  
LONG 055 12 W MOUA 18.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER A1 DRIG A1 O10 1 SQUARE 45

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	MO2	NO3	S103	PH
	STD	00000	05.20	31.93	25.25	00.000	1467.7							
18.9	OBS	00300	05.20	31.530	25.25		1467.7							
	STD	00010	06.49	32.09	25.45	00.026	1465.2							
	STD	00020	03.47	32.26	25.69	00.051	1461.2							
18.9	OBS	00325	02.85	32.360	25.82		1458.8							
	STD	00030	01.71	32.50	26.01	00.072	1454.0							
18.9	OBS	00049	- 1.18	32.889	26.47		1441.7							
	STD	00050	- 1.20	32.90	26.48	00.108	1441.6							
18.9	OBS	00074	- 1.45	33.070	26.62		1441.1							
	STD	00075	- 1.45	33.08	26.63	00.145	1441.1							
18.9	OBS	00095	- 1.40	33.242	26.76		1442.0							
	STD	00100	- 1.40	33.25	26.77	00.175	1442.0							
	STD	00125	- 1.47	33.37	26.87	00.210	1442.2							
18.9	OBS	00133	- 1.52	33.400	26.89		1442.2							

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REFID 31 83-3 YEAR 1973 BOTOP 00137 AIR TEMP 09.5 OIR HGT PER WIND-OIR 11 INST MANSEN CAST TEM SQ 1407  
CONSEC 0010 MONTH 05 SHIP ME WET BULB 07.5 49 2 X WIND-SPD 02 TRACE OIR 5 SQUARE 2  
LAT 53 58 N DAY 08 DATA USE 1 BAROMETA 0956.7 SEA WIND-FOR DURATION 2 SQUARE 24  
LONG 055 23 W MOUA 20.5 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER A1 DRIG A1 O10 1 SQUARE 35

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	MO2	NO3	S103	PH
	STD	00000	05.55	31.85	25.17	00.000	1465.1							
20.5	OBS	00000	05.55	31.886	25.17		1465.1							
	STD	00010	05.04	32.00	25.32	00.027	1467.3							
	STD	00020	04.04	32.15	25.57	00.053	1463.6							
20.5	OBS	00024	05.50	32.276	25.69		1461.5							
	STD	00030	01.83	32.52	26.02	00.075	1454.6							
20.5	OBS	00048	- 1.37	33.045	26.60		1441.0							
	STD	00050	- 1.38	33.06	26.62	00.109	1441.0							
20.5	OBS	00072	- 1.45	33.244	26.77		1441.3							
	STD	00075	- 1.45	33.26	26.78	00.143	1441.4							
20.5	OBS	00096	- 1.46	33.386	26.88		1441.8							
	STD	00100	- 1.43	33.41	26.90	00.173	1442.1							
20.5	OBS	00111	- 1.50	33.492	26.96		1443.0							

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REFID 31 83-3 YEAR 1973 BOTOP 00188 AIR TEMP 09.6 OIR HGT PER WIND-OIR 15 INST MANSEN CAST TEM SQ 1407  
CONSEC 0011 MONTH 05 SHIP ME WET BULB 08.0 13 2 3 WIND-SPD 08 TRACE OIR 5 SQUARE 2  
LAT 53 48 N DAY 08 DATA USE 1 BAROMETA 0997.2 SEA WIND-FOR DURATION 2 SQUARE 24  
LONG 055 40 W MOUA 22.0 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER A1 DRIG A1 O10 1 SQUARE 35

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	MO2	NO3	S103	PH
	STD	00000	06.62	31.68	24.88	00.000	1473.2							
22.0	OBS	00000	06.62	31.678	24.88		1473.2							
	STD	00010	05.72	31.55	25.45	00.028	1461.8							
	STD	00020	01.55	32.25	25.83	00.052	1452.8							
22.0	OBS	00024	00.89	32.335	25.94		1450.1							
	STD	00030	00.42	32.44	26.04	00.072	1446.2							
22.0	OBS	00046	- 0.60	32.662	26.27		1444.1							
	STD	00050	- 0.64	32.68	26.28	00.110	1443.5							
22.0	OBS	00073	- 1.05	32.795	26.39		1442.6							
	STD	00075	- 1.07	32.80	26.39	00.152	1442.5							
22.0	OBS	00097	- 1.27	32.854	26.45		1442.0							
	STD	00100	- 1.29	32.87	26.46	00.192	1442.0							
	STD	00125	- 1.40	33.08	26.63	00.225	1442.2							
22.0	OBS	00145	- 1.42	33.347	26.85		1442.8							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.

NOOC STATION DATA

REFIL 31 #352 YEAR 1973 BOTOP 04040 AIA TEMP 09.4 OIR FCT PER WIND-OIR 20 INST STD RECORDER TEN SW 1306  
 CONSEC 0201 MONTH 11 SHIP OC WET BULB 07.8 26 3 2 WIND-SPD 03 TRACE CIR 3 SUMARE 1  
 LAT 43 38 N DAY 29 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR OURATICA 2 SWARE 22  
 LONG 043 44 W HOUR 19.8 AREA 05 CLCUO T/A CL/TR WEATHER A1 ORIC AJ G6201 1 SUMARE 33

CASINUM/TIME	LYLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DRYG	PO4	TCT P	AC2	NO3	SIO3	PM
19.3	STO	00000	18.31	35.93	25.92	00.000	1518.5							
	DBS	00000	18.31	35.93	25.92		1518.5							
	STO	00010	18.31	35.93	25.92	00.021	1518.7							
	DBS	00010	18.31	35.93	25.92		1518.7							
	STO	00020	18.31	35.93	25.92	00.042	1518.8							
	DBS	00020	18.31	35.93	25.92		1518.8							
	STO	00030	18.31	35.93	25.92	00.063	1519.0							
	DBS	00030	18.31	35.93	25.92		1519.0							
	STO	00050	18.37	35.96	25.93	00.105	1519.5							
	DBS	00050	18.37	35.96	25.93		1519.5							
	STO	00070	18.45	36.00	25.94		1520.1							
	DBS	00070	18.45	36.00	25.94		1520.1							
	STO	00075	18.52	36.05	26.06	00.156	1523.2							
	DBS	00075	18.52	36.05	26.06		1523.2							
	STO	00100	18.25	36.46	26.32	00.202	1520.9							
	DBS	00100	18.25	36.46	26.32		1520.9							
	STO	00125	17.91	36.43	26.41	00.245	1520.0							
	DBS	00125	17.91	36.43	26.41		1520.0							
	STO	00150	17.75	36.43	26.45	00.287	1515.5							
	DBS	00150	17.75	36.43	26.45		1515.5							
	STO	00200	17.09	36.32	26.52	00.368	1518.7							
	DBS	00200	17.09	36.32	26.52		1518.7							
	STO	00250	15.43	35.99	26.66	00.444	1514.1							
	DBS	00250	15.43	35.99	26.66		1514.1							
	STO	00273	15.04	35.95	26.71		1513.2							
	DBS	00273	15.04	35.95	26.71		1513.2							
	STO	00300	15.04	35.99	26.74	00.516	1513.7							
	DBS	00300	15.04	35.99	26.74		1513.7							
	STO	00400	13.16	35.65	26.88	00.651	1508.8							
	DBS	00400	13.16	35.65	26.88		1508.8							
	STO	00419	12.88	35.61	26.91		1508.1							
	DBS	00419	12.88	35.61	26.91		1508.1							
	STO	00435	13.02	35.73	26.97		1509.0							
	DBS	00435	13.02	35.73	26.97		1509.0							
	STO	00500	11.95	35.53	27.02	00.774	1506.3							
	DBS	00500	11.95	35.53	27.02		1506.3							
	STO	00550	10.72	35.33	27.10		1502.4							
	DBS	00550	10.72	35.33	27.10		1502.4							
	STO	00600	08.24	34.93	27.20	00.882	1493.6							
	DBS	00600	08.24	34.93	27.20		1493.6							
	STO	00610	08.15	34.92	27.21		1493.4							
	DBS	00610	08.15	34.92	27.21		1493.4							
	STO	00617	08.26	34.98	27.24		1494.0							
	DBS	00617	08.26	34.98	27.24		1494.0							
	STO	00658	07.13	34.89	27.33		1490.2							
	DBS	00658	07.13	34.89	27.33		1490.2							
	STO	00678	07.97	35.10	27.38		1494.1							
	DBS	00678	07.97	35.10	27.38		1494.1							
	STO	00700	07.91	35.10	27.35	00.973	1494.2							
	DBS	00700	07.91	35.10	27.35		1494.2							
	STO	00750	07.12	35.01	27.43		1491.9							
	DBS	00750	07.12	35.01	27.43		1491.9							
	STO	00800	05.82	34.92	27.53	01.04E	1487.4							
	DBS	00800	05.82	34.92	27.53		1487.4							
	STO	00807	06.23	35.00	27.54		1489.3							
	DBS	00807	06.23	35.00	27.54		1489.3							
	STO	00818	05.97	35.01	27.59		1488.5							
	DBS	00818	05.97	35.01	27.59		1488.5							
	STO	00842	05.87	34.99	27.58		1488.4							
	DBS	00842	05.87	34.99	27.58		1488.4							
	STO	00853	06.05	35.05	27.61		1489.4							
	DBS	00853	06.05	35.05	27.61		1489.4							
	STO	00870	05.52	34.96	27.60		1487.4							
	DBS	00870	05.52	34.96	27.60		1487.4							
	STO	00900	05.67	35.04	27.65	01.110	1488.7							
	DBS	00900	05.67	35.04	27.65		1488.7							
	STO	00950	05.54	35.04	27.66		1489.0							
	DBS	00950	05.54	35.04	27.66		1489.0							
	STO	00958	05.31	35.01	27.67		1486.1							
	DBS	00958	05.31	35.01	27.67		1486.1							
	STO	00975	05.45	35.05	27.68		1488.4							
	DBS	00975	05.45	35.05	27.68		1488.4							
	STO	01000	05.20	35.02	27.65	01.165	1486.4							
	DBS	01000	05.20	35.02	27.65		1486.4							
	STO	01000	05.20	35.02	27.65		1486.4							
	DBS	01000	05.20	35.02	27.65		1486.4							
	STO	01071	05.12	35.04	27.71		1485.3							
	DBS	01071	05.12	35.04	27.71		1485.3							
	STO	01100	04.90	35.02	27.72	01.218	1488.8							
	DBS	01100	04.90	35.02	27.72		1488.8							
	STO	01100	04.90	35.02	27.72		1488.8							
	DBS	01100	04.90	35.02	27.72		1488.8							
	STO	01200	04.75	35.02	27.74	01.268	1484.8							
	DBS	01200	04.75	35.02	27.74		1484.8							
	STO	01200	04.73	35.02	27.74		1489.8							
	DBS	01200	04.73	35.02	27.74		1489.8							
	STO	01300	04.40	34.99	27.76	01.317	1483.1							
	DBS	01300	04.40	34.99	27.76		1483.1							
	STO	01300	04.40	34.99	27.76		1483.1							
	DBS	01300	04.40	34.99	27.76		1483.1							
	STO	01350	04.44	35.00	27.76		1480.6							
	DBS	01350	04.44	35.00	27.76		1480.6							
	STO	01350	04.30	34.97	27.75		1480.5							
	DBS	01350	04.30	34.97	27.75		1480.5							
	STO	01400	04.32	34.98	27.76	01.366	1481.4							
	DBS	01400	04.32	34.98	27.76		1481.4							
	STO	01400	04.32	34.98	27.76		1481.4							
	DBS	01400	04.32	34.98	27.76		1481.4							
	STO	01500	04.16	34.98	27.77	01.415	1482.4							
	DBS	01500	04.16	34.98	27.77		1482.4							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N O D C S T A T I O N O A T A

REFID 31 8351 YEAR 1973 BOTOP 04846 AIR TEMP 10.6 DIR MGT PER WIND-DIR 19 INST STC RECORDER TCH SW 1506  
CONSEC 0202 MONTH 11 SHIP OG WET BULB 08.9 02 4 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 1  
LAT 43 45 N DAY 29 DATA USE 1 BAROMETR 1022.7 SEA CL/TR WIND-FOR CURATGCR 2 SQUARE 24  
LONG 144 26 W HOUR 22.9 AREA 05 CLCUD T/A WEATHER A1 CRIG #A3 06202 1 SQUARE 34

CASINUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
22.9	STO	00000	18.29	36.06	26.03	00.000	1518.6							
	OBS	00000	18.29	36.06	26.03		1518.6							
	STO	00010	18.30	36.05	26.02	00.026	1518.8							
	OBS	00010	18.30	36.05	26.02		1518.8							
	STO	00020	18.31	36.06	26.02	00.040	1519.0							
	OBS	00020	18.31	36.06	26.02		1519.0							
	STO	00030	18.31	36.06	26.02	00.060	1519.1							
	OBS	00030	18.31	36.06	26.02		1519.1							
	STO	00050	18.32	36.06	26.02	00.100	1519.5							
	OBS	00050	18.32	36.06	26.02		1519.5							
	STO	00075	18.33	36.07	26.03	00.151	1520.0							
	OBS	00075	18.33	36.07	26.03		1520.0							
	STO	00100	18.46	36.13	26.04	00.201	1520.8							
	OBS	00100	18.46	36.13	26.04		1520.8							
	OBS	00112	18.62	36.45	26.24		1521.6							
	STO	00125	18.26	36.41	26.30	00.246	1521.0							
	OBS	00125	18.26	36.41	26.30		1521.0							
	STO	00150	17.36	36.33	26.46	00.291	1516.7							
	OBS	00150	17.36	36.33	26.46		1516.7							
	STO	00200	17.05	36.35	26.58	00.370	1516.6							
	OBS	00200	17.05	36.35	26.58		1516.6							
	STO	00250	16.26	36.21	26.63	00.446	1516.5							
	OBS	00250	16.26	36.21	26.63		1516.5							
	STO	00300	15.68	36.10	26.66	00.515	1515.6							
	OBS	00300	15.68	36.10	26.66		1515.6							
	STO	00400	15.53	35.74	26.67	00.657	1510.1							
	OBS	00400	15.53	35.74	26.67		1510.1							
	OBS	00432	14.73	35.61	26.54		1507.6							
	OBS	00442	12.60	35.67	26.57		1506.3							
	STO	00500	11.72	35.49	27.04	00.780	1505.3							
	OBS	00500	11.72	35.49	27.04		1505.3							
	STO	00600	08.96	35.03	27.17	00.889	1496.5							
	OBS	00600	08.96	35.03	27.17		1496.5							
	OBS	00624	07.29	34.80	27.24		1490.2							
	OBS	00655	08.20	35.10	27.34		1494.6							
	STO	00700	07.73	35.08	27.40	00.981	1493.5							
	OBS	00700	07.73	35.08	27.40		1493.5							
	OBS	00729	07.38	35.07	27.44		1492.6							
	OBS	00746	07.41	35.11	27.47		1493.1							
	OBS	00770	06.50	34.55	27.50		1489.8							
	STO	00800	06.26	35.30	27.54	01.055	1489.3							
	OBS	00800	06.26	35.00	27.54		1489.3							
	OBS	00815	06.25	35.04	27.57		1489.6							
	OBS	00820	06.32	35.36	27.58		1490.0							
	OBS	00826	06.16	35.03	27.58		1489.4							
	OBS	00835	06.23	35.07	27.60		1485.9							
	OBS	00850	06.16	35.06	27.60		1489.8							
	OBS	00880	05.60	34.55	27.62		1488.0							
	STO	00900	05.66	35.01	27.62	01.119	1488.6							
	OBS	00900	05.66	35.01	27.62		1488.6							
	OBS	00903	05.71	35.04	27.64		1488.9							
	OBS	00915	05.58	35.32	27.64		1488.5							
	OBS	00936	05.63	35.10	27.67		1490.0							
	STO	01000	05.21	35.03	27.70	01.175	1488.4							
	OBS	01000	05.21	35.03	27.70		1488.4							
	OBS	01010	05.27	35.05	27.70		1488.5							
	STO	01100	05.02	35.05	27.73	01.227	1489.4							
	OBS	01100	05.02	35.05	27.73		1489.4							
	STO	01200	04.82	35.04	27.75	01.277	1490.2							
	OBS	01200	04.82	35.04	27.75		1490.2							
	STO	01300	04.56	35.03	27.77	01.325	1490.8							
	OBS	01300	04.56	35.03	27.77		1490.8							
	OBS	01361	04.30	34.55	27.77		1490.7							
	STO	01400	04.30	35.00	27.76	01.373	1491.4							
	OBS	01400	04.30	35.00	27.76		1491.4							
	OBS	01491	04.27	35.01	27.74		1492.8							
	STO	01500	04.14	34.99	27.78	01.420	1492.4							
	OBS	01500	04.14	34.99	27.78		1492.4							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

NOCC STATICAL DATA

REFID 31 8352 YEAR 1973 BQIDP 04J65 AIR TEMP 08.9 OIR PGT FER #INC-UIR 16 INST STC RECORDER TEN SW 1300  
CONSEC 0004 MONTH 11 SMP OG NET BULB 06.3 03 4 4 #INC-SPU 18 TRACE CIR C 5 SQUARE 2  
LAT 43 59 N DAY 30 DATA USE 1 BAROMETR 1015.0 SEA CL/TR WEATHER #6 CURATICA ORIG #A3 06204 2 SQUARE 24  
LONG 045 44 W HOUR 06.5 AREA 05 CLCUD T/A

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	\$NO VEL	CXYG	PO4	TCT P	F	NC2	NC3	S103	PH
06.9	STO	C00C3	16.21	35.62	26.15	00.000	1511.9								
	OBS	00000	16.21	35.62	26.15		1511.9								
	STO	C0010	16.04	35.57	26.19	00.018	1511.5								
	OBS	00010	16.04	35.57	26.19		1511.5								
	STO	00020	15.87	35.57	26.22	00.037	1511.1								
	OBS	00020	15.87	35.57	26.23		1511.1								
	STO	00030	15.88	35.56	26.27	00.054	1510.7								
	OBS	00030	15.88	35.56	26.27		1510.7								
	STO	00050	15.84	35.64	26.29	00.090	1511.6								
	OBS	00050	15.84	35.64	26.25		1511.6								
	STO	00075	15.42	35.88	26.31	00.133	1512.3								
	OBS	00075	15.42	35.88	26.31		1512.3								
	STO	00100	14.93	35.87	26.68	00.173	1509.9								
	OBS	00100	14.93	35.87	26.68		1509.9								
	STO	00125	14.26	35.74	26.76	00.207	1508.0								
	OBS	00125	14.26	35.79	26.76		1508.0								
	STO	00150	12.65	35.45	26.83	00.240	1502.7								
	OBS	00150	12.65	35.45	26.83		1502.7								
	STO	00160	12.54	35.41	26.62		1502.5								
	OBS	00168	12.75	35.51	26.86		1503.4								
	STO	00200	11.54	35.36	26.97	00.300	1459.6								
	OBS	00200	11.54	35.36	26.57		1459.6								
	STO	00212	12.06	35.53	27.01		1501.8								
	OBS	00212	12.06	35.53	27.01		1501.8								
	STO	00250	10.91	35.41	27.13	00.353	1458.3								
	OBS	00250	10.91	35.41	27.13		1458.3								
	STO	00300	09.95	35.24	27.17	00.403	1455.4								
	OBS	00300	09.95	35.24	27.17		1455.4								
	STO	00340	08.57	35.06	27.25		1450.7								
	OBS	00349	08.71	35.13	27.29		1451.5								
	STO	00400	07.36	34.55	27.35	00.492	1487.0								
	OBS	00400	07.36	34.95	27.35		1487.0								
	STO	00462	06.70	34.95	27.44		1485.4								
	OBS	00500	06.75	35.02	27.45	00.566	1486.3								
	STO	00500	06.75	35.02	27.49		1486.3								
	OBS	00583	04.37	34.76	27.58		1477.7								
	STO	00600	04.87	34.92	27.65	00.626	1480.3								
	OBS	00600	04.87	34.92	27.65		1480.3								
	STO	00605	05.05	34.96	27.66		1481.1								
	OBS	00610	04.94	34.93	27.65		1480.7								
	STO	00649	04.58	34.95	27.66		1481.6								
	OBS	00691	04.45	34.90	27.68		1480.2								
	STO	00700	04.57	34.94	27.70	00.677	1480.7								
	OBS	00700	04.57	34.94	27.70		1480.7								
	STO	00741	04.72	34.97	27.71		1482.0								
	OBS	00741	04.72	34.97	27.71		1482.0								
	STO	00800	04.67	34.96	27.73	00.724	1482.0								
	OBS	00800	04.67	34.96	27.73		1482.0								
	STO	00883	04.42	34.95	27.72		1483.1								
	OBS	00900	04.17	34.52	27.73	00.771	1482.3								
	STO	00900	04.17	34.52	27.73		1482.3								
	OBS	00920	04.12	34.53	27.74		1482.5								
	STO	00930	04.17	34.95	27.75		1482.9								
	OBS	00930	04.05	34.92	27.74		1482.5								
	STO	01000	04.26	34.97	27.76	00.817	1484.5								
	OBS	01030	04.15	34.97	27.76		1484.4								
	STO	01073	04.23	35.00	27.77		1485.0								
	OBS	01100	04.26	35.00	27.77	00.862	1486.4								
	STO	01107	04.22	35.00	27.77		1486.4								
	OBS	01200	04.17	34.94	27.76	00.907	1487.4								
	STO	01300	04.07	34.99	27.79	00.951	1488.7								
	OBS	01300	04.07	34.99	27.79		1488.7								
	STO	01376	03.57	34.98	27.75		1489.6								

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N C D C S T A T I O N C A T A

PEPIC 31 0052 YEAR 1973 BOTOP 03905 AIR TEMP 11.1 OIR HGT PER WIND-OIR 20 INST STO RECOADEA TEM SW 1300  
 CCNSEC 0005 MONTH 11 SHIP UG NET BULB 10.0 20 3 3 WIND-SPD 15 TRAGE DIR 0 SQUARE 2  
 LAT 44 12 N DAY 30 DATA USE 1 BAROMETR 1019.0 SEA 5A WIND-FOR 1480.1 SQUARE 40  
 LONG 046 50 W HOUR 10.9 AREA D5 CLCUD 7/A CL/7P WEATHEK A4 ORIG A3 0a205 1 SQUARE 46

CAS	NUM	TIME	LVL	TY	DEPTH	TEMP	SAL	SIGMA-T	DTN	OPHT	SNC	VEL	DAYG	P04	TC7	P	NC2	NC3	S103	PH	
10.9	ST0				00030	08.23	32.77	25.51	00.000		1480.9										
	085				00000	08.23	32.77	25.51			1480.9										
	ST0				00010	08.21	32.77	25.52	00.025		1481.0										
	085				00010	08.21	32.77	25.52			1481.0										
	ST0				00020	07.95	32.76	25.55	00.049		1480.1										
	085				00020	07.95	32.76	25.55			1480.1										
	ST0				00030	06.20	32.77	25.75	00.075		1473.4										
	085				00030	06.20	32.77	25.75			1473.4										
	ST0				00050	06.17	34.25	26.96	00.106		1475.6										
	085				00050	06.17	34.25	26.96			1475.6										
	ST0				00060	06.01	34.41	27.00			1478.5										
	085				00060	06.01	34.41	27.00			1478.5										
	ST0				00075	05.58	34.33	27.10	00.132		1473.7										
	085				00075	05.58	34.33	27.10			1473.7										
	ST0				00100	04.97	34.25	27.11	00.157		1471.5										
	085				00100	04.97	34.25	27.11			1471.5										
	ST0				00125	05.74	34.55	27.25	00.180		1475.5										
	085				00125	05.74	34.55	27.25			1475.5										
	ST0				00134	06.06	34.61	27.26			1477.0										
	085				00134	06.06	34.61	27.26			1477.0										
	ST0				00150	04.39	34.41	27.30	00.200		1470.2										
	085				00150	04.39	34.41	27.30			1470.2										
	ST0				00171	05.54	34.55	27.30			1475.7										
	085				00171	05.54	34.55	27.30			1475.7										
	ST0				00182	04.32	34.41	27.31			1470.4										
	085				00182	04.32	34.41	27.31			1470.4										
	ST0				00192	04.65	34.54	27.37			1472.1										
	085				00192	04.65	34.54	27.37			1472.1										
	ST0				00200	04.66	34.50	27.40	00.238		1465.8										
	085				00200	04.66	34.50	27.40			1465.8										
	ST0				00233	02.66	34.36	27.44			1464.2										
	085				00233	02.66	34.36	27.44			1464.2										
	ST0				00250	03.54	34.56	27.50	00.271		1468.6										
	085				00250	03.54	34.56	27.50			1468.6										
	ST0				00261	03.93	34.60	27.50			1470.4										
	085				00261	03.93	34.60	27.50			1470.4										
	ST0				00270	04.80	34.57	27.49			1469.9										
	085				00270	04.80	34.57	27.49			1469.9										
	ST0				00300	04.72	34.75	27.50	00.300		1474.6										
	085				00300	04.72	34.75	27.50			1474.6										
	ST0				00307	04.98	34.86	27.55			1475.8										
	085				00307	04.98	34.86	27.55			1475.8										
	ST0				00315	04.70	34.80	27.57			1474.7										
	085				00315	04.70	34.80	27.57			1474.7										
	ST0				00323	05.21	34.51	27.60			1477.1										
	085				00323	05.21	34.51	27.60			1477.1										
	ST0				00332	05.14	34.89	27.59			1476.9										
	085				00332	05.14	34.89	27.59			1476.9										
	ST0				00364	05.31	34.97	27.64			1478.2										
	085				00364	05.31	34.97	27.64			1478.2										
	ST0				00400	05.17	34.95	27.64	00.355		1478.2										
	085				00400	05.17	34.95	27.64			1478.2										
	ST0				00442	04.81	34.53	27.66			1477.7										
	085				00442	04.81	34.53	27.66			1477.7										
	ST0				00460	05.05	35.01	27.70			1478.8										
	085				00460	05.05	35.01	27.70			1478.8										
	ST0				00500	05.04	35.01	27.65	00.4		1479.6										
	085				00500	05.04	35.01	27.65			1479.6										
	ST0				00500	05.09	35.01	27.69			1479.6										
	085				00500	05.09	35.01	27.69			1479.6										
	ST0				00600	04.87	35.02	27.73	00.450		1480.4										
	085				00600	04.87	35.02	27.73			1480.4										
	ST0				00650	04.87	35.03	27.74			1481.2										
	085				00650	04.87	35.03	27.74			1481.2										
	ST0				00700	04.72	35.02	27.74	00.494		1481.4										
	085				00700	04.72	35.02	27.74			1481.4										
	ST0				00746	04.42	34.99	27.75			1480.9										
	085				00746	04.42	34.99	27.75			1480.9										
	ST0				00800	04.51	35.01	27.76	00.538		1482.2										
	085				00800	04.51	35.01	27.76			1482.2										
	ST0				00800	04.45	35.02	27.77			1483.1										
	085				00800	04.45	35.02	27.77			1483.1										
	ST0				00900	04.29	34.99	27.77	00.581		1482.9										
	085				00900	04.29	34.99	27.77			1482.9										
	ST0				00960	04.04	34.96	27.77			1482.9										
	085				00960	04.04	34.96	27.77			1482.9										
	ST0				01000	04.05	34.96	27.77	00.625		1483.2										
	085				01000	04.05	34.96	27.77			1483.2										
	ST0				01050	04.08	34.97	27.78			1483.6										
	085				01050	04.08	34.97	27.78			1483.6										
	ST0				01100	04.00	34.97	27.78	00.668		1483.0										
	085				01100	04.00	34.97	27.78			1483.0										
	ST0				01130	03.90	34.97	27.78			1485.0										
	085				01130	03.90	34.97	27.78			1485.0										
	ST0				01200	03.90	34.97	27.79	00.711		1486.5										
	085				01200	03.90	34.97	27.79			1486.5										
	ST0				01300	03.90	34.97	27.76			1486.5										
	085				01300	03.90	34.97	27.76			1486.5										
	ST0				01400	03.90	34.97	27.79	00.754		1488.0										
	085				01400	03.90	34.97	27.79			1488.0										
	ST0				01430	03.61	34.97	27.80	00.798		1489.3										
	085				01430																

TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N O D C S I A 7 I D A C A 7 A

REFID 31 #352 YEAR 1973 BDTDP 03959 AIR TEMP 10.1 DIR HGT PEK WIND-DIR 10 INST STD RECDROER TEN SU 1306  
 CONSEC 0000 MANTH 11 SHIP DG WET BULB 09.2 22 4 8 WIND-SPO 20 TRACE CIR 5 SQUARE 2  
 LAT 4 15 N DAY 30 DATA USE 1 BAROMETR 1016.9 SEA WIND-FDR DURAT/CN 2 SQUARE 46  
 LONG 047 12 W HOUR 14.3 AREA 05 CLCUD 7/A CL/TR WEATHER AN CRIG A3 06206 1 SQUARE 47

CAS7NUM/TIME	LVL7YP	CEP7H	TEMP	SAL	SIGMA-T	OYNDP7H	SND VEL	CRVG	PO4	TOT P	AC2	ND3	S103	PH
14.3	STD	00000	07.23	32.77	25.66	00.000	1477.0							
	OBS	00000	07.23	32.77	25.66		1477.0							
	STD	00010	06.77	32.77	25.72	00.023	1475.4							
	OBS	00010	06.77	32.77	25.72		1475.4							
	STD	00020	06.53	32.83	25.80	00.044	1474.7							
	OBS	00020	06.53	32.83	25.80		1474.7							
	STD	00030	06.20	32.96	25.94	00.067	1473.7							
	OBS	00030	06.20	32.96	25.94		1473.7							
	STD	00050	06.06	34.37	27.07	00.098	1475.4							
	OBS	00050	06.06	34.37	27.07		1475.4							
	OBS	00056	06.81	34.51	27.08		1478.6							
	OBS	00060	06.68	34.49	27.08		1478.1							
	OBS	00065	06.76	34.53	27.10		1478.6							
	STD	00075	04.55	34.49	27.10	00.123	1477.8							
	OBS	00075	04.55	34.49	27.10		1477.8							
	OBS	00056	06.77	34.61	27.16		1479.2							
	STD	00100	04.65	34.55	27.16	00.147	1478.5							
	OBS	00100	04.69	34.59	27.16		1478.9							
	STD	00125	06.53	34.62	27.20	00.170	1478.7							
	OBS	00125	06.53	34.62	27.20		1478.7							
	STD	00150	05.57	34.57	27.24	00.192	1476.9							
	OBS	00150	05.57	34.57	27.24		1476.5							
	OBS	00180	05.62	34.53	27.25		1475.5							
	OBS	00183	05.57	34.65	27.30		1477.5							
	STD	00200	05.88	34.65	27.31	00.233	1477.4							
	OBS	00200	05.88	34.65	27.31		1477.4							
	OBS	00220	05.94	34.68	27.33		1478.0							
	OBS	00243	05.64	34.66	27.35		1477.2							
	STD	00250	05.67	34.65	27.37	00.272	1477.4							
	OBS	00250	05.67	34.69	27.37		1477.4							
	OBS	00256	05.77	34.73	27.39		1478.0							
	OBS	00261	04.86	34.61	27.40		1474.2							
	OBS	00276	04.87	34.62	27.41		1474.5							
	OBS	00292	05.56	34.80	27.47		1477.9							
	STD	00300	05.20	34.79	27.50	00.304	1476.7							
	OBS	00300	05.20	34.79	27.50		1476.7							
	OBS	00310	05.09	34.74	27.50		1476.2							
	OBS	00321	05.29	34.85	27.53		1477.9							
	OBS	00350	05.31	34.67	27.56		1478.0							
	OBS	00367	05.06	34.64	27.56		1477.1							
	OBS	00385	05.74	34.55	27.57		1480.3							
	STD	00400	05.46	34.54	27.55	00.366	1475.4							
	OBS	00400	05.46	34.96	27.59		1479.4							
	OBS	00413	05.12	34.50	27.60		1478.2							
	OBS	00424	05.23	34.97	27.65		1478.9							
	STD	00500	04.82	34.95	27.68	00.418	1478.4							
	OBS	00500	04.82	34.55	27.68		1478.4							
	OBS	00540	04.75	34.95	27.69		1478.8							
	OBS	00550	04.80	34.97	27.70		1479.2							
	OBS	00570	04.70	34.97	27.71		1479.1							
	STD	00600	04.76	34.98	27.71	00.465	1479.9							
	OBS	00600	04.76	34.58	27.71		1479.9							
	STD	00700	04.57	34.99	27.74	00.510	1480.8							
	OBS	00700	04.57	34.99	27.74		1480.8							
	STD	00800	04.51	35.00	27.75	00.555	1482.2							
	OBS	00800	04.51	35.00	27.75		1482.2							
	STD	00900	04.34	34.98	27.76	00.599	1483.1							
	OBS	00900	04.34	34.98	27.76		1483.1							
	STD	01000	04.25	34.99	27.77	00.643	1484.4							
	OBS	01000	04.25	34.99	27.77		1484.4							
	STD	01100	04.09	34.97	27.77	00.687	1485.4							
	OBS	01100	04.09	34.97	27.77		1485.4							
	STD	01200	04.03	34.97	27.78	00.731	1486.8							
	OBS	01200	04.03	34.97	27.78		1486.8							
	STD	01300	03.96	34.97	27.79	00.774	1488.2							
	OBS	01300	03.96	34.57	27.79		1488.2							
	STD	01400	03.65	34.57	27.80	00.820	1489.6							
	OBS	01400	03.89	34.97	27.80		1489.6							
	STD	01500	03.81	34.56	27.80	00.865	1490.5							
	OBS	01500	03.81	34.96	27.80		1490.5							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N O C C S T A T I O N A C A T A

REFID 31 8352 YEAR 1973 BOTREP C3840 AIR TEMP 10.0 DIR FGT PER WIND-DIR 18 INST STD RECDNR TEM SW 1006  
 CONSEC 0037 MONTH 11 SNIP DG NET BULB 05.2 DIR FGT PER WIND-SPC 18 TRACI DIR 0 5 SQUARE 2  
 LAT 44 19 N DAY 30 DATA USE 1 BAKMETR 1013.9 SEA WIND-FGR WIND-FGR CURATICA 2 SQUARE 4A  
 LONG 147 33 W HOUR 16.6 AREA 05 CL/TR WEATHER X4 ORIG FA3 06207 1 SQUARE 47

CAS	TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNC	VCL	DAYG	PD4	TCT	P	NO2	NO3	S103	PH
10.0	085	STO	00300	07.01	32.70	25.08	00.600										1470.1
	085	STO	00300	07.01	32.70	25.08											1470.1
	085	STJ	00010	06.02	32.76	25.73	00.020										1474.8
	085	STJ	00010	06.02	32.76	25.73											1474.8
	085	STJ	00320	06.04	32.75	25.74	00.045										1472.0
	085	STJ	00320	06.04	32.75	25.74											1472.0
	085	STJ	00030	05.04	32.63	25.41	00.007										1471.2
	085	STJ	00030	05.04	32.63	25.41											1471.2
	085	STO	00050	04.33	33.96	26.95	00.099										1467.7
	085	STO	00050	04.33	33.96	26.95											1467.7
	085	STO	00075	06.03	34.41	27.10	00.126										1475.7
	085	STO	00075	06.03	34.41	27.10											1475.7
	085	STO	00100	05.32	34.38	27.17	00.149										1473.1
	085	STO	00100	05.32	34.38	27.17											1473.1
	085	STO	00125	04.91	34.37	27.21	00.172										1471.9
	085	STO	00125	04.91	34.37	27.21											1471.9
	085	STO	00132	04.44	34.32	27.22											1470.0
	085	STO	00143	04.64	34.40	27.26											1471.1
	085	STO	00150	04.42	34.37	27.26	00.193										1470.2
	085	STO	00150	04.42	34.37	27.26											1470.2
	085	STO	00158	04.10	34.35	27.27											1469.3
	085	STO	00169	05.08	34.51	27.30											1473.0
	085	STO	00172	04.72	34.46	27.30											1472.0
	085	STO	00183	05.04	34.56	27.34											1473.0
	085	STO	00188	04.57	34.48	27.32											1471.6
	085	STO	00195	05.50	34.69	27.39											1475.5
	085	STO	00200	05.28	34.66	27.39	00.232										1475.0
	085	STO	00200	05.28	34.66	27.39											1475.0
	085	STO	00213	05.28	34.65	27.39											1475.2
	085	STO	00234	05.83	34.80	27.44											1470.0
	085	STO	00250	05.54	34.78	27.46	00.207										1477.0
	085	STO	00250	05.54	34.78	27.46											1477.0
	085	STO	00267	04.97	34.72	27.48											1474.5
	085	STO	00267	04.97	34.72	27.48											1474.5
	085	STO	00253	05.11	34.79	27.52											1476.0
	085	STO	00300	05.02	34.78	27.52	00.255										1475.7
	085	STO	00300	05.02	34.78	27.52											1475.7
	085	STO	00359	03.74	34.65	27.59											1471.3
	085	STO	00390	04.73	34.87	27.62											1476.1
	085	STO	00395	04.00	34.90	27.62											1474.2
	085	STO	00400	04.30	34.82	27.63	00.355										1474.6
	085	STO	00400	04.30	34.82	27.63											1474.6
	085	STO	00411	04.72	34.80	27.63											1470.5
	085	STO	00416	04.40	34.85	27.64											1475.4
	085	STO	00425	04.57	34.57	27.68											1477.9
	085	STO	00405	04.12	34.85	27.68											1474.5
	085	STO	00480	04.20	34.85	27.64											1475.7
	085	STO	00487	04.12	34.80	27.58											1475.2
	085	STO	00500	04.10	34.88	27.65	00.402										1475.7
	085	STO	00500	04.10	34.88	27.65											1475.7
	085	STO	00521	04.20	34.91	27.71											1476.0
	085	STO	00600	04.18	34.92	27.73	00.449										1477.4
	085	STO	00600	04.18	34.92	27.73											1477.4
	085	STO	00700	03.57	34.92	27.75	00.452										1478.2
	085	STO	00700	03.57	34.92	27.75											1478.2
	085	STO	00729	03.90	34.91	27.75											1478.4
	085	STO	00800	04.37	35.00	27.77	00.534										1481.6
	085	STO	00800	04.37	35.00	27.77											1481.6
	085	STO	00900	04.16	34.97	27.77	00.577										1482.4
	085	STO	00900	04.16	34.97	27.77											1482.4
	085	STO	01000	04.07	34.97	27.78	00.620										1483.7
	085	STO	01000	04.07	34.97	27.78											1483.7
	085	STO	01100	03.54	34.50	27.78	00.663										1484.8
	085	STO	01100	03.54	34.50	27.78											1484.8
	085	STO	01200	03.95	34.97	27.79	00.706										1480.5
	085	STO	01200	03.95	34.97	27.79											1480.5
	085	STO	01300	03.55	34.97	27.79	00.750										1480.2
	085	STO	01300	03.55	34.97	27.79											1480.2
	085	STO	01400	03.85	34.97	27.80	00.794										1485.4
	085	STO	01400	03.85	34.97	27.80											1485.4
	085	STO	01500	03.78	34.96	27.80	00.836										1490.8
	085	STO	01500	03.78	34.96	27.80											1490.8

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

NOOC STATION DATA

REFID 31 8352 YEAR 1973 BOTDOP 03566 AIR TEMP 10.0 OIR PGT PER WIND-CIR 16 INST STC RECORDR. TEN SW 1306  
CONSEC 0008 MCHTM 11 SHIP OC WET BULB 08.3 22 3 3 WIND-SPD 19 TRACE CIR 5 SQUARE 2  
LAT 44 28 N DAY 36 DATA USE 1 BAROMETR 1011.5 SEA WIND-FUK DURATIGA WIND-FUK 2 SQUARE 46  
LONG 047 57 W HOUR 18.9 AREA 05 CLOUD T/A CL/TR WEATHER AI CRIC FA3 06206 1 SQUARE 47

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DPNDPTH	SNO VEL	CXYG	PD4	TDI P	NO2	NO3	SIG3	PH
18.9	STO	00300	06.46	32.73	25.73	00.000	1473.9							
	OBS	00000	06.46	32.73	25.73		1473.5							
	STO	00010	06.46	32.73	25.73	00.023	1474.1							
	OBS	00010	06.46	32.73	25.73		1474.1							
	STL	00020	06.18	32.76	25.76	00.045	1473.2							
	OBS	00020	06.18	32.76	25.76		1473.2							
	STO	00033	05.15	32.82	25.45	00.067	1469.2							
	OBS	00033	05.15	32.82	25.45		1469.2							
	OBS	00045	02.34	32.41	26.54		1458.0							
	STL	00050	02.48	32.56	26.76	00.100	1461.4							
	OBS	00050	02.48	32.56	26.76		1461.4							
	OBS	00063	04.32	34.13	27.08		1466.1							
	STO	00075	04.37	34.16	27.10	00.125	1468.5							
	OBS	00075	04.37	34.16	27.10		1468.5							
	OBS	00084	04.57	34.20	27.11		1469.5							
	OBS	00095	04.41	34.17	27.11		1469.0							
	STO	00100	04.58	34.26	27.16	00.152	1465.9							
	OBS	00100	04.58	34.26	27.16		1469.5							
	STO	00125	05.42	34.50	27.25	00.175	1474.1							
	OBS	00125	05.42	34.50	27.25		1474.1							
	OBS	00139	05.71	34.55	27.26		1475.6							
	STO	00150	05.58	34.52	27.25	00.192	1475.2							
	OBS	00150	05.58	34.52	27.25		1475.2							
	OBS	00155	05.41	34.50	27.25		1474.6							
	OBS	00173	05.76	34.62	27.30		1476.5							
	STO	00200	05.46	34.59	27.31	00.237	1475.7							
	OBS	00200	05.46	34.59	27.31		1475.7							
	OBS	00220	05.56	34.68	27.36		1476.5							
	STO	00250	05.47	34.72	27.42	00.275	1476.7							
	OBS	00250	05.47	34.72	27.42		1476.7							
	OBS	00282	05.17	34.73	27.46		1476.0							
	STO	00300	05.21	34.81	27.52	00.307	1476.6							
	OBS	00300	05.21	34.81	27.52		1476.6							
	OBS	00325	04.57	34.81	27.55		1476.1							
	OBS	00373	05.41	34.94	27.60		1478.8							
	STO	00400	05.10	34.93	27.63	00.364	1477.9							
	OBS	00400	05.10	34.93	27.63		1477.5							
	OBS	00420	05.13	34.93	27.64		1478.4							
	OBS	00450	04.54	34.56	27.67		1478.1							
	OBS	00479	03.14	35.00	27.68		1479.5							
	STO	00500	05.05	34.65	27.68	00.414	1479.4							
	OBS	00500	05.05	34.99	27.68		1475.4							
	OBS	00511	04.78	34.96	27.69		1478.5							
	OBS	00528	04.51	35.01	27.71		1475.4							
	OBS	00548	04.63	34.96	27.71		1478.5							
	OBS	00559	04.63	35.00	27.72		1479.5							
	OBS	00575	04.67	34.97	27.71		1479.1							
	OBS	00580	04.75	35.01	27.73		1475.6							
	OBS	00590	04.66	34.99	27.73		1474.3							
	STO	00600	04.78	35.01	27.73	00.460	1460.0							
	OBS	00600	04.78	35.01	27.73		1460.0							
	OBS	00646	04.50	34.97	27.73		1475.6							
	OBS	00670	04.57	34.95	27.74		1460.3							
	STO	00700	04.47	34.94	27.75	00.504	1460.4							
	OBS	00700	04.47	34.94	27.75		1460.4							
	OBS	00712	04.57	35.01	27.75		1481.0							
	OBS	00738	04.37	34.97	27.74		1460.6							
	STO	00800	04.25	34.97	27.76	00.547	1461.1							
	OBS	00800	04.25	34.97	27.76		1461.1							
	OBS	00821	03.85	34.91	27.75		1479.7							
	STO	00900	03.62	34.92	27.76	00.590	1480.9							
	OBS	00900	03.82	34.92	27.76		1460.9							
	STO	01000	03.80	34.92	27.76	00.633	1482.5							
	OBS	01000	03.80	34.92	27.76		1462.5							
	STO	01100	03.76	34.92	27.77	00.677	1484.0							
	OBS	01100	03.76	34.92	27.77		1484.0							
	STO	01200	03.75	34.92	27.77	00.721	1485.6							
	OBS	01200	03.75	34.92	27.77		1485.6							
	OBS	01240	03.60	34.90	27.77		1485.6							
	STO	01300	03.62	34.91	27.78	00.766	1466.7							
	OBS	01300	03.62	34.91	27.78		1486.7							
	STO	01400	03.70	34.93	27.78	00.810	1468.8							
	OBS	01400	03.70	34.93	27.78		1488.8							
	STO	01500	03.65	34.93	27.79	00.855	1460.2							
	OBS	01500	03.65	34.93	27.79		1460.2							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N O C C S T A T I O N D A T A

AEFIG 31 8352	YEAR 1973	BOTDP 03252	AIR TEMP 10.0	DIR HGT FER	WING-DIR 18	INST SIC RECCGER	TEN SO 1306
CONSEC 0009	MONTH 11	SHIP OG	WET BULD 08.9	18 3 2	WIND-SPU 22	TRACE DIR 0	5 SQUARE 2
LAT 4 27 N	DAY 30	DATA USE 1	BAROMETER 1010.2	SEA	WIND-FUR	DURATICA	2 SQUARE 48
LONG 048 05 W	HOUR 21.1	AREA 05	CLCUD T/A	CL/TR	WEATHER A5	CRIG A3 06209	1 SQUARE 48

CASTNO/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNG YEL	DAYG	PO4	TOT P	AC2	AC3	SIG3	PH
21.1	STJ	0000	07.19	32.73	25.63	00.000	1476.8							
	OBS	0000	07.19	32.73	25.63		1476.8							
	STJ	0010	07.19	32.73	25.63	00.024	1477.0							
	OBS	0010	07.19	32.73	25.63		1477.0							
	STJ	0020	06.01	32.73	25.77	00.047	1476.8							
	OBS	0020	06.05	32.73	25.77		1476.8							
	STJ	0030	04.56	33.11	26.25	00.067	1467.2							
	OBS	0030	04.56	33.11	26.25		1467.2							
	STJ	0037	04.20	33.34	26.63		1466.3							
	OBS	0037	04.20	33.34	26.63		1466.3							
	STJ	0050	04.33	33.60	26.85	00.097	1467.7							
	OBS	0050	04.33	33.60	26.85		1467.7							
	STJ	0075	05.82	34.46	27.17	00.123	1474.6							
	OBS	0075	05.82	34.46	27.17		1474.6							
	STJ	0084	06.13	34.54	27.19		1476.4							
	OBS	0084	06.13	34.54	27.19		1476.4							
	STJ	00100	06.04	34.53	27.20	00.146	1476.3							
	OBS	00100	06.04	34.53	27.20		1476.3							
	STJ	00123	05.44	34.45	27.21	00.168	1474.1							
	OBS	00123	05.44	34.45	27.21		1474.1							
	STJ	00134	05.61	34.52	27.24		1475.1							
	OBS	00134	05.61	34.52	27.24		1475.1							
	STJ	00138	05.47	34.49	27.24		1474.5							
	OBS	00138	05.47	34.49	27.24		1474.5							
	STJ	00150	05.51	34.56	27.29	00.189	1475.0							
	OBS	00150	05.51	34.56	27.29		1475.0							
	STJ	00173	05.25	34.55	27.31		1474.3							
	OBS	00173	05.25	34.55	27.31		1474.3							
	STJ	00194	05.69	34.68	27.36		1476.6							
	OBS	00194	05.69	34.68	27.36		1476.6							
	STJ	00200	05.53	34.66	27.36	00.228	1476.0							
	OBS	00200	05.53	34.66	27.36		1476.0							
	STJ	00220	05.62	34.74	27.42		1476.8							
	OBS	00220	05.62	34.74	27.42		1476.8							
	STJ	00250	05.14	34.73	27.47	00.263	1475.3							
	OBS	00250	05.14	34.73	27.47		1475.3							
	STJ	00300	05.02	34.78	27.52	00.293	1475.7							
	OBS	00300	05.02	34.78	27.52		1475.7							
	STJ	00330	05.42	34.90	27.57		1478.0							
	OBS	00330	05.42	34.90	27.57		1478.0							
	STJ	00400	04.77	34.87	27.62	00.352	1476.5							
	OBS	00400	04.77	34.87	27.62		1476.5							
	STJ	00500	04.64	34.93	27.68	00.402	1477.7							
	OBS	00500	04.64	34.93	27.68		1477.7							
	STJ	00561	04.34	34.91	27.70		1477.4							
	OBS	00561	04.34	34.91	27.70		1477.4							
	STJ	00571	04.46	34.95	27.72		1478.1							
	OBS	00571	04.46	34.95	27.72		1478.1							
	STJ	00600	04.37	34.94	27.72	00.448	1478.2							
	OBS	00600	04.37	34.94	27.72		1478.2							
	STJ	00660	04.44	34.96	27.73		1479.5							
	OBS	00660	04.44	34.96	27.73		1479.5							
	STJ	00700	04.01	34.91	27.74	00.493	1476.3							
	OBS	00700	04.01	34.91	27.74		1476.3							
	STJ	00761	03.93	34.91	27.74		1479.0							
	OBS	00761	03.93	34.91	27.74		1479.0							
	STJ	00791	04.11	34.94	27.75		1460.3							
	OBS	00791	04.11	34.94	27.75		1460.3							
	STJ	00800	04.05	34.93	27.75	00.536	1460.2							
	OBS	00800	04.05	34.93	27.75		1460.2							
	STJ	00830	02.73	34.90	27.76	00.580	1460.5							
	OBS	00830	02.73	34.90	27.76		1460.5							
	STJ	00900	03.71	34.91	27.77	00.623	1462.1							
	OBS	00900	03.71	34.91	27.77		1462.1							
	STJ	01000	03.66	34.93	27.77		1463.9							
	OBS	01000	03.66	34.93	27.77		1463.9							
	STJ	01100	03.74	34.91	27.76	00.667	1463.5							
	OBS	01100	03.74	34.91	27.76		1463.5							
	STJ	01156	03.53	34.89	27.77		1463.5							
	OBS	01156	03.53	34.89	27.77		1463.5							
	STJ	01200	03.65	34.91	27.77	00.711	1465.3							
	OBS	01200	03.65	34.91	27.77		1465.3							
	STJ	01230	03.69	34.91	27.77		1465.3							
	OBS	01230	03.69	34.91	27.77		1465.3							
	STJ	01300	03.48	34.88	27.77	00.756	1466.1							
	OBS	01300	03.48	34.88	27.77		1466.1							
	STJ	01300	03.48	34.88	27.77		1466.1							
	OBS	01300	03.48	34.88	27.77		1466.1							
	STJ	01400	03.62	34.91	27.78	00.801	1468.4							
	OBS	01400	03.62	34.91	27.78		1468.4							
	STJ	01500	03.54	34.90	27.78	00.846	1469.7							
	OBS	01500	03.54	34.90	27.78		1469.7							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N D O C S T A T I L A C A I A

REPID 31 8352 YEAR 1973 8070P 02079 AIA TEMP 07.8 DIR PGT PER WIND-DIR 26 INST BTU RECORDER TCM NO 1306  
 COMSEC 0210 MONTH 11 SHIP OC NET BULB 00.7 28 3 2 WIND-SPO 15 TRACE CIR 5 SQUARE 2  
 LAT 44 24 N DAY 30 OATA USE 1 BAROMETR 1005.1 SEA WIND-FOR OURATICA 2 SQUARE 48  
 LONG 148 20 W HOUR 23.2 AREA 05 CLOLO T/A CL/TF WEATHER 46 CRIG 283 06210 1 SQUARE 48

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
23.2	STS	00000	06.82	32.82	25.75	00.000	1475.5							
	085	00000	06.82	32.82	25.75		1475.5							
	STS	00010	06.82	32.82	25.75	00.023	1475.6							
	085	00010	06.82	32.82	25.75		1475.6							
	STS	00020	06.51	32.81	25.78	00.045	1474.6							
	085	00020	06.51	32.81	25.78		1474.6							
	STS	00030	04.88	32.89	26.04	00.066	1468.2							
	085	00030	04.88	32.89	26.04		1468.2							
	085	00040	03.69	33.88	26.53		1464.7							
	STS	00050	03.65	34.11	27.11	00.096	1466.3							
	085	00050	03.65	34.11	27.11		1466.3							
	STS	00075	04.92	34.35	27.19	00.115	1471.1							
	085	00075	04.92	34.35	27.19		1471.1							
	085	00080	04.68	34.34	27.15		1471.0							
	085	00094	05.23	34.45	27.23		1472.8							
	STS	00100	04.76	34.38	27.23	00.141	1470.8							
	085	00100	04.76	34.38	27.23		1470.8							
	085	00116	04.77	34.40	27.25		1471.2							
	STS	00125	05.26	34.56	27.32	00.161	1473.5							
	085	00125	05.26	34.56	27.32		1473.5							
	STS	00130	05.64	34.54	27.33	00.181	1473.0							
	085	00140	05.64	34.54	27.33		1473.0							
	085	00171	04.91	34.52	27.33		1472.6							
	085	00165	05.16	34.65	27.40		1474.2							
	STS	00200	04.73	34.62	27.42	00.217	1472.7							
	085	00200	04.73	34.62	27.42		1472.7							
	STS	00250	04.98	34.77	27.52	00.245	1474.7							
	085	00250	04.98	34.77	27.52		1474.7							
	085	00271	05.43	34.90	27.57		1477.1							
	STS	00300	05.59	34.93	27.57	00.275	1478.3							
	085	00300	05.59	34.93	27.57		1478.3							
	085	00337	04.80	34.83	27.59		1475.5							
	085	00345	05.04	34.92	27.63		1476.8							
	STS	00400	04.35	34.85	27.65	00.332	1476.9							
	085	00400	04.35	34.85	27.65		1476.9							
	085	00441	04.64	34.89	27.67		1475.8							
	085	00444	04.27	34.88	27.68		1475.5							
	085	00485	04.61	34.96	27.71		1477.3							
	085	00490	04.38	34.93	27.71		1476.4							
	STS	00500	04.63	34.97	27.72	00.375	1477.6							
	085	00500	04.63	34.97	27.72		1477.6							
	085	00521	04.96	35.02	27.72		1479.5							
	085	00539	04.30	34.62	27.71		1476.5							
	085	00575	04.68	35.01	27.72		1480.0							
	STS	00600	04.82	35.02	27.73	00.422	1480.2							
	085	00600	04.82	35.02	27.73		1480.2							
	085	00640	04.28	34.95	27.74		1476.5							
	STS	00700	04.32	34.96	27.74	00.467	1479.7							
	085	00700	04.32	34.96	27.74		1479.7							
	STS	00800	04.16	34.95	27.75	00.511	1480.7							
	085	00800	04.16	34.95	27.75		1480.7							
	STS	00900	04.01	34.94	27.76	00.554	1481.7							
	085	00900	04.01	34.94	27.76		1481.7							
	085	00942	04.14	34.97	27.77		1483.0							
	STS	01000	04.04	34.95	27.76	00.556	1483.5							
	085	01000	04.04	34.95	27.76		1483.5							
	085	01022	02.40	34.93	27.76		1483.2							
	STS	01100	03.62	34.94	27.77	00.642	1484.7							
	085	01100	03.62	34.94	27.77		1484.7							
	STS	01200	03.93	34.94	27.77	00.687	1486.4							
	085	01200	03.93	34.94	27.77		1486.4							
	STS	01300	03.87	34.95	27.76	00.732	1487.6							
	085	01300	03.87	34.95	27.76		1487.6							
	STS	01400	03.82	34.94	27.76	00.777	1489.3							
	085	01400	03.82	34.94	27.76		1489.3							
	STS	01500	03.78	34.94	27.76	00.822	1490.8							
	085	01500	03.78	34.94	27.76		1490.8							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

H G C C S T A T I C A C A T A

REFID 31 8352	YEAR 1973	80TOP 01866	AIR TEMP 05.6	OIR FGT PER	WIND-DIR 29	INST STD RECORDER	TEN SG 1306
CONSEC 0311	MCNTH 12	SHIP OG	WET BULB 04.4	28 3 2	WIND-SPD 17	TRACE CIA 0	5 SQUARE 2
LAT 44 29 N	DAY 01	DATA USE 1	BAROMETR 0982.1	SEA	WIND-FUR	DURATICA	2 SQUARE 48
LONG 048 36 W	HOUR 01.2	AREA 05	CLOUD T/A	CL/TR	WEATHER A5	CR16 06211	1 SQUARE 4A

CASSTNM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	OMPH/PT	SNC VEL	DRYG	PO4	TCT P	AC2	NO3	SIO3	PH
01.2	S70	00000	05.49	33.21	26.22	00.000	1470.6							
	OBS	00000	05.45	33.21	26.22		1470.4							
	S70	00010	05.38	33.26	26.28	00.018	1470.4							
	OBS	00010	05.38	33.26	26.28		1470.4							
	S70	00020	04.45	33.33	26.44	00.035	1466.8							
	OBS	00020	04.45	33.33	26.44		1466.8							
	S70	00030	04.36	33.41	26.51	00.050	1466.7							
	OBS	00030	04.36	33.41	26.51		1466.7							
	S70	00050	04.71	33.52	26.56	00.081	1468.7							
	OBS	00050	04.71	33.52	26.56		1468.7							
	S70	00075	02.46	33.57	26.81	00.115	1455.6							
	OBS	00075	02.46	33.57	26.81		1459.6							
	S70	00100	00.96	23.74	27.06	00.135	1453.3							
	OBS	00100	01.41	34.17	27.37		1456.2							
	S70	00125	01.41	34.17	27.37	00.155	1456.2							
	OBS	00125	02.56	34.54	27.54		1463.9							
	S70	00136	02.56	34.54	27.54	00.155	1463.9							
	OBS	00136	04.39	34.74	27.56		1470.4							
	S70	00142	04.22	34.72	27.56	00.165	1469.7							
	OBS	00150	04.51	34.75	27.55		1471.1							
	S70	00152	04.51	34.75	27.55	00.165	1471.1							
	OBS	00152	04.27	34.73	27.55		1470.5							
	S70	00173	04.52	34.77	27.57	00.196	1471.6							
	OBS	00182	04.37	34.74	27.56		1471.1							
	S70	00187	04.56	34.79	27.58	00.196	1472.0							
	OBS	00193	04.47	34.76	27.57		1471.7							
	S70	00200	04.79	34.87	27.62	00.196	1473.3							
	OBS	00230	04.79	34.87	27.62		1473.3							
	S70	00221	04.60	34.87	27.62	00.196	1473.3							
	OBS	00233	04.63	34.86	27.63		1473.7							
	S70	00242	04.77	34.91	27.65	00.221	1473.9							
	OBS	00250	04.72	34.90	27.65	00.221	1473.8							
	S70	00250	04.72	34.90	27.65	00.244	1473.8							
	OBS	00320	04.52	34.90	27.67		1473.0							
	S70	00320	04.52	34.90	27.67	00.244	1473.0							
	OBS	00352	04.74	34.97	27.70		1475.7							
	S70	00383	04.83	34.95	27.71	00.285	1476.6							
	OBS	00400	04.72	34.98	27.71	00.285	1476.4							
	S70	00400	04.72	34.98	27.71	00.332	1476.4							
	OBS	00408	04.78	34.99	27.71		1476.8							
	S70	00484	04.52	34.98	27.74	00.332	1477.0							
	OBS	00500	04.61	34.99	27.73		1477.8							
	S70	00500	04.61	34.99	27.73	00.375	1477.6							
	OBS	00574	04.49	34.98	27.74		1478.3							
	S70	00600	04.61	35.01	27.75	00.375	1479.3							
	OBS	00600	04.61	35.01	27.75		1479.3							
	S70	00650	04.58	35.01	27.75	00.418	1479.3							
	OBS	00700	04.37	34.98	27.75		1480.0							
	S70	00700	04.37	34.98	27.75	00.418	1479.9							
	OBS	00710	04.24	34.96	27.75		1479.5							
	S70	00724	04.31	34.98	27.76	00.480	1479.5							
	OBS	00800	03.71	34.89	27.75	00.480	1480.1							
	S70	00800	03.71	34.89	27.75	00.503	1478.7							
	OBS	00900	03.55	34.88	27.75	00.503	1479.9							
	S70	00900	03.59	34.88	27.75	00.546	1479.9							
	OBS	01000	03.56	34.89	27.77		1481.4							
	S70	01000	03.56	34.89	27.77	00.546	1481.4							
	OBS	01100	03.41	34.93	27.77	00.589	1483.3							
	S70	01100	03.41	34.93	27.77	00.589	1483.3							
	OBS	01144	03.69	34.92	27.78		1484.4							
	S70	01200	03.54	34.90	27.78	00.633	1484.4							
	OBS	01200	03.54	34.90	27.78		1484.7							
	S70	01300	03.51	34.90	27.78	00.676	1484.7							
	OBS	01300	03.51	34.90	27.78		1486.2							
	S70	01400	03.57	34.90	27.77	00.721	1486.2							
	OBS	01400	03.57	34.90	27.77		1486.2							
	S70	01500	03.60	34.92	27.79	00.766	1486.2							
	OBS	01500	03.60	34.92	27.79		1490.0							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

NOODC STATICAL DATA

REFID 31 0352 YEAR 1973 0DTLP 01046 AIR TEMP 02.3 DIR HGT PER WIND-GIR 27 EAST STD RECORDER TEN SW 130A  
 CDNSEC 0012 MONTH 12 SHIP DC NET BULD 01.7 28 J 2 WIND-SPD 12 TRACE GIR 5 SQUARE 2  
 LAT 44 32 N DAY 01 DATA USE 1 BARGMETK 1014.6 SEA 01 INC-FCR SURATICA 2 SQUARE 08  
 LONG 048 49 W HOUR 03.2 AREA 05 CLOUD T/A CL/TX WEATHER A2 GRIG 03 06212 1 SQUARE 08

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDPTH	SKD VEL	CATG	PU4	TOT P	NO2	NO3	SI03	PH
03.2	STU	00000	02.70	33.23	26.52	00.000	1459.2							
	OBS	00000	02.70	33.23	26.52		1459.2							
	STD	00010	02.72	33.23	26.52	00.015	1459.2							
	OBS	00010	02.72	33.23	26.52		1459.2							
	STD	00020	02.71	33.23	26.52	00.030	1459.3							
	OBS	00020	02.71	33.23	26.52		1459.3							
	STD	00030	02.73	33.26	26.54	00.046	1459.6							
	OBS	00030	02.73	33.26	26.54		1459.6							
	STD	00050	02.80	33.36	26.61	00.075	1460.7							
	OBS	00050	02.80	33.36	26.61		1460.7							
	STD	00075	02.51	33.45	26.71	00.110	1455.6							
	OBS	00075	02.51	33.45	26.71		1455.6							
	STD	00100	02.14	33.68	26.63	00.141	1458.7							
	OBS	00100	02.14	33.68	26.63		1458.7							
	STD	00120	01.37	33.70	27.00		1455.7							
	OBS	00120	01.37	33.70	27.00		1455.7							
	STD	00125	01.51	33.81	27.08	00.166	1450.5							
	OBS	00125	01.51	33.81	27.08		1450.5							
	STD	00129	01.80	34.03	27.23		1458.2							
	OBS	00129	01.80	34.03	27.23		1458.2							
	STD	00150	01.58	34.98	27.22	00.189	1450.3							
	OBS	00150	01.58	34.98	27.37		1457.8							
	STD	00165	02.33	34.38	27.47		1461.6							
	OBS	00165	02.33	34.38	27.47		1461.6							
	STD	00175	02.28	34.37	27.47		1461.5							
	OBS	00175	02.28	34.37	27.47		1461.5							
	STD	00200	03.25	34.65	27.60	00.220	1460.5							
	OBS	00200	03.25	34.65	27.60		1460.5							
	STD	00250	03.57	34.77	27.67		1468.8							
	OBS	00250	03.57	34.77	27.67	00.244	1468.8							
	STD	00300	03.85	34.87	27.72		1468.8							
	OBS	00300	03.85	34.87	27.72	00.266	1471.0							
	STD	00400	03.88	34.89	27.73		1471.0							
	OBS	00400	03.88	34.89	27.73	00.307	1472.8							
	STD	00500	03.87	34.88	27.73		1472.8							
	OBS	00500	03.87	34.88	27.73	00.345	1474.4							
	STD	00600	03.87	34.88	27.73		1474.4							
	OBS	00600	03.87	34.88	27.73	00.352	1476.0							
	STD	00700	03.70	34.88	27.74		1476.0							
	OBS	00700	03.70	34.88	27.74	00.435	1477.0							
	STD	00800	03.61	34.86	27.75		1477.0							
	OBS	00800	03.61	34.86	27.75	00.477	1476.3							
	STD	00900	03.60	34.86	27.75		1476.3							
	OBS	00900	03.60	34.86	27.75	00.520	1479.9							
	STD	01000	03.54	34.87	27.75		1479.9							
	OBS	01000	03.54	34.87	27.75	00.564	1481.3							
	STD	01100	03.54	34.87	27.75		1481.3							
	OBS	01100	03.54	34.87	27.75	00.608	1483.0							
	STD	01200	03.54	34.87	27.75		1483.0							
	OBS	01200	03.54	34.87	27.75	00.653	1484.6							
	STD	01300	03.51	34.87	27.75		1484.6							
	OBS	01300	03.51	34.87	27.75	00.699	1486.2							
	STD	01400	03.52	34.87	27.75		1486.2							
	OBS	01400	03.52	34.87	27.75	00.746	1487.9							
	STD	01500	03.52	34.87	27.75		1487.9							
	OBS	01500	03.52	34.87	27.75	00.793	1489.6							

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TABLE X Observed oceanographic data occupied by USCGC DALLAS (A3-62)  
29 November-1 December 1973.—Continued

N D D C S T A T I C A C A T

REFID 31 0352 YEAR 1973 BOTDP 00137 AIR TEMP 03.4 DIR PGT FER WIND-DIR 27 INST STD RECOGER TEN SU 1306  
 CONSEC 0013 MONTH 12 SHIP DG MET BULB 01.7 28 3 2 WIND-SPD 12 TRACE CIR E 5 SQUARE 2  
 LAT 44 35 N DAY 01 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 099 05 W HOUR 05.0 AREA C5 CLCLO T/A CL/TR WEATHER A2 ORIG A3 06213 1 SQUARE 49

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	CATG	PUR	TCT P	AC2	NC3	SIG3	PH
05.0	STD	0000G	02.06	33.09	26.46	00.000	1455.5							
	OBS	00000	02.06	33.09	26.46		1455.5							
	STD	00010	01.48	33.25	26.63	00.015	1453.7							
	OBS	00010	01.48	33.25	26.63		1453.7							
	STD	00020	- 0.26	33.49	26.92	00.026	1446.3							
	OBS	00020	- 0.26	33.49	26.92		1446.3							
	STD	00030	- 0.46	33.55	26.98	00.035	1445.7							
	OBS	00030	- 0.46	33.55	26.98		1445.7							
	STD	00050	- 0.52	33.56	26.99	00.061	1445.7							
	OBS	00050	- 0.52	33.56	26.99		1445.7							
	STD	00075	- 0.57	33.58	27.01	00.087	1445.4							
	OBS	00075	- 0.57	33.58	27.01		1445.4							
	STD	00100	- 0.57	33.58	27.01	00.114	1446.3							
	OBS	00100	- 0.57	33.58	27.01		1446.3							
	STD	00113	- 0.56	33.57	27.00		1446.6							

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REFID 31 0352 YEAR 1973 BOTDP 00068 AIR TEMP 03.3 DIR PGT PER WIND-DIR 27 INST STD RECOGER TEN SU 1306  
 CONSEC 0014 MONTH 12 SHIP DG MET BULB 01.7 28 3 3 WIND-SPD 12 TRACE CIR O 5 SQUARE 2  
 LAT 44 40 N DAY 01 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 099 20 W HOUR 06.5 AREA O5 CLCLO T/A CL/TR WEATHER A2 ORIG A3 06214 1 SQUARE 49

CASSTN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	CATG	PUR	TCT P	AC2	NC3	SIG3	PH
06.5	STD	00000	01.55	33.14	26.54	00.000	1453.7							
	OBS	00000	01.55	33.14	26.54		1453.7							
	STD	00010	01.50	33.15	26.55	00.015	1453.7							
	OBS	00010	01.50	33.15	26.55		1453.7							
	STD	00020	01.41	33.14	26.55	00.030	1453.4							
	OBS	00020	01.41	33.14	26.55		1453.4							
	STD	00030	01.35	33.15	26.56	00.045	1453.5							
	OBS	00030	01.39	33.15	26.56		1453.5							
	STD	00050	00.69	33.24	26.67	00.074	1450.8							
	OBS	00050	00.69	33.24	26.67		1450.8							
	OBS	00059	00.69	33.24	26.67		1451.0							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.

M D D C S T A T I O N D A T A

REFID 31 8550 YEAR 1973 BOTDP 00080 AIR TEMP 08.7 DIR MGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1307  
CONSEC 0001 MONTH 11 SHIP HT MET BULB 08.7 18 4 6 WIND-SPO 26 TRACE DIR D 5 SQUARE 1  
LAT 43 06 N DAY 30 DATA USE 1 BAROMETR 1013.8 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 10 W HOUR 11.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG A4 025 1 SQUARE 30

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SIO3	PH
11.2	STD	00000	04.72	32.40	25.67	00.000	1466.4							
	OBS	00000	04.72	32.40	25.67		1466.4							
	STD	00010	03.53	32.66	26.01	00.022	1461.9							
	OBS	00010	03.53	32.66	26.01		1461.9							
	STD	00020	03.16	32.74	26.09	00.041	1460.6							
	OBS	00020	03.16	32.74	26.09		1460.6							
	STD	00030	02.71	32.77	26.15	00.060	1458.8							
	OBS	00030	02.71	32.77	26.15		1458.8							
	STD	00050	01.66	33.01	26.43	00.095	1454.9							
	OBS	00050	01.66	33.01	26.43		1454.9							
	OBS	00065	01.51	33.06	26.48		1454.5							

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REFID 31 8550 YEAR 1973 BOTDP 00080 AIR TEMP 10.0 DIR MGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1307  
CONSEC 0002 MONTH 11 SHIP HT MET BULB 08.5 18 6 6 WIND-SPO 25 TRACE DIR D 5 SQUARE 1  
LAT 43 00 N DAY 30 DATA USE 1 BAROMETR 1012.0 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 30

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.6	STD	00000	03.77	32.62	25.54	00.000	1462.7							
	OBS	00000	03.77	32.62	25.54		1462.7							
	STD	00010	03.23	32.73	26.08	00.020	1460.7							
	OBS	00010	03.23	32.73	26.08		1460.7							
	STD	00020	03.10	32.75	26.11	00.039	1460.3							
	OBS	00020	03.10	32.75	26.11		1460.3							
	STD	00050	02.87	32.62	26.18	00.056	1459.6							
	OBS	00050	02.87	32.62	26.18		1459.6							
	STD	00050	02.51	33.14	26.47	00.092	1458.8							
	OBS	00050	02.51	33.14	26.47		1458.8							
	STD	00075	01.48	33.25	26.63	00.130	1454.8							
	OBS	00075	01.48	33.25	26.63		1454.8							
	OBS	00090	00.41	33.54	26.93		1450.6							

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REFID 31 8550 YEAR 1973 BOTDP 00765 AIR TEMP 10.5 DIR MGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1307  
CONSEC 0003 MONTH 11 SHIP HT MET BULB 05.5 18 7 7 WIND-SPO 45 TRACE DIR D 5 SQUARE 1  
LAT 42 50 N DAY 30 DATA USE 1 BAROMETR 1009.0 SEA WIND-FOR DURATION 2 SQUARE 20  
LONG 050 20 W HOUR 15.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG A4 025 1 SQUARE 20

CASSTNM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SIO3	PH
15.3	STD	00000	04.04	33.00	26.22	00.000	1464.3							
	OBS	00000	04.04	33.00	26.22		1464.3							
	STD	00010	02.71	33.10	26.42	00.017	1458.9							
	OBS	00010	02.71	33.10	26.42		1458.9							
	STD	00020	02.04	33.21	26.56	00.053	1456.3							
	OBS	00020	02.04	33.21	26.56		1456.3							
	STD	00030	01.52	33.30	26.67	00.047	1454.3							
	OBS	00030	01.52	33.30	26.67		1454.3							
	STD	00050	00.37	33.35	26.78	00.074	1449.5							
	OBS	00050	00.37	33.35	26.78		1449.5							
	STD	00075	- 0.30	33.42	26.87	00.104	1447.0							
	OBS	00075	- 0.30	33.42	26.87		1447.0							
	STD	00100	- 0.48	33.52	26.96	00.133	1446.7							
	OBS	00100	- 0.48	33.52	26.96		1446.7							
	OBS	00115	- 0.66	33.60	27.05		1446.2							
	STD	00125	- 0.61	33.63	27.05	00.160	1446.6							
	OBS	00125	- 0.61	33.63	27.05		1446.6							
	STD	00150	- 0.52	33.74	27.13	00.184	1447.6							
	OBS	00150	- 0.52	33.74	27.13		1447.6							
	STD	00200	00.52	33.92	27.29	00.229	1453.5							
	OBS	00200	00.52	33.92	27.29		1453.5							
	STD	00250	03.48	34.33	27.33	00.265	1467.9							
	OBS	00250	03.48	34.33	27.33		1467.9							
	OBS	00261	03.82	34.35	27.34		1465.6							
	STD	00300	02.23	34.29	27.41	00.306	1463.2							
	OBS	00300	02.23	34.29	27.41		1463.2							
	OBS	00323	02.13	34.28	27.41		1463.2							
	OBS	00368	02.97	34.57	27.57		1468.0							
	STD	00400	03.03	34.60	27.55	00.368	1468.8							
	OBS	00400	03.03	34.60	27.55		1468.8							
	OBS	00426	03.05	34.63	27.60		1465.5							
	STD	00500	03.73	34.76	27.64	00.420	1473.6							
	OBS	00500	03.73	34.76	27.64		1473.6							
	OBS	00573	03.74	34.77	27.65		1474.9							
	STD	00600	03.86	34.75	27.66	00.470	1475.9							
	OBS	00600	03.86	34.75	27.66		1475.9							
	OBS	00613	03.76	34.77	27.65		1475.6							
	OBS	00647	03.95	34.82	27.67		1477.1							
	STD	00700	03.86	34.82	27.68	00.520	1477.6							
	OBS	00700	03.86	34.82	27.68		1477.6							
	OBS	00731	03.86	34.81	27.67		1478.1							
	OBS	00742	03.76	34.81	27.68		1477.8							
OBS	00785	03.76	34.81	27.68		1478.6								

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

NUOC STATION DATA

REFID 31 8:50	YEAR 1973	BOTOP 01553	WIR TEMP 08.9	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1307
COMSEC 0004	MONTH 11	SHIP HT	WET BULB 08.3	23 6 5	WIND-SPD 30	TRACE DIR 0	5 SQUARE 1
LAT 42 40 N	DAY 30	DATA USE 1	BAROMETER 1007.8	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 14 W	MOJ 17.6	AKCA 05	CLOUD T/A	CL/T/A	WEATHER A4	ORIG A4 025	1 SQUARE 20

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	MO2	MO3	S103	PH
17.0	STD	00J00	03.53	33.06	26.31	00.000	1462.3							
	OBS	00000	03.53	33.06	26.31		1462.3							
	STD	00010	02.51	33.15	26.47	00.016	1458.1							
	OBS	00010	02.51	33.15	26.47		1458.1							
	STD	00020	01.62	33.25	26.62	00.031	1454.5							
	OBS	00020	01.62	33.25	26.62		1454.5							
	STD	00030	01.57	33.28	26.66	00.045	1453.6							
	OBS	00030	01.57	33.28	26.66		1453.6							
	STD	00050	00.49	33.36	26.78	00.072	1450.1							
	OBS	00050	00.49	33.36	26.78		1450.1							
	STD	00075	- 0.66	33.57	27.00	00.101	1445.5							
	OBS	00075	- 0.66	33.57	27.00		1445.5							
	STD	00100	- 0.74	33.60	27.03	00.128	1445.0							
	OBS	00100	- 0.74	33.60	27.03		1445.0							
	STD	00125	- 0.67	33.64	27.06	00.153	1446.4							
	OBS	00125	- 0.67	33.64	27.06		1446.4							
	STD	00150	- 0.59	33.67	27.08	00.178	1447.2							
	OBS	00150	- 0.59	33.67	27.08		1447.2							
	STD	00187	00.76	33.93	27.22		1454.4							
	OBS	00187	00.76	33.93	27.22		1454.4							
	STD	00200	01.27	33.97	27.22	00.224	1456.9							
	OBS	00200	01.27	33.97	27.22		1456.9							
	STD	00215	00.28	33.93	27.25		1452.7							
	OBS	00215	00.28	33.93	27.25		1452.7							
	STD	00250	00.61	34.06	27.34	00.264	1454.9							
	OBS	00250	00.61	34.06	27.34		1454.9							
	STD	00286	01.87	34.33	27.47		1461.5							
	OBS	00286	01.87	34.33	27.47		1461.5							
	STD	00300	01.97	34.38	27.50	00.298	1462.2							
	OBS	00300	01.97	34.38	27.50		1462.2							
	STD	00367	02.60	34.59	27.59		1467.7							
	OBS	00367	02.60	34.59	27.59		1467.7							
	STD	00400	03.21	34.65	27.61	00.355	1469.6							
	OBS	00400	03.21	34.65	27.61		1469.6							
	STD	00470	03.97	34.80	27.65		1474.2							
	OBS	00470	03.97	34.80	27.65		1474.2							
	STD	00483	05.87	34.77	27.64		1474.0							
	OBS	00483	05.87	34.77	27.64		1474.0							
	STD	00500	05.85	34.79	27.66	00.405	1474.2							
	OBS	00500	05.85	34.79	27.66		1474.2							
	STD	00577	03.99	34.84	27.68		1476.1							
	OBS	00577	03.99	34.84	27.68		1476.1							
	STD	00600	03.95	34.83	27.68	00.434	1476.3							
	OBS	00600	03.95	34.83	27.68		1476.3							
	STD	00654	03.83	34.83	27.69		1476.7							
	OBS	00654	03.83	34.83	27.69		1476.7							
	STD	00700	03.83	34.83	27.69	00.502	1477.5							
	OBS	00700	03.83	34.83	27.69		1477.5							
	STD	00800	03.81	34.83	27.69	00.550	1479.0							
	OBS	00800	03.81	34.83	27.69		1479.0							
	STD	00900	03.75	34.83	27.70	00.558	1480.5							
	OBS	00900	03.75	34.83	27.70		1480.5							
	STD	01000	03.77	34.85	27.71	00.647	1482.2							
	OBS	01000	03.77	34.85	27.71		1482.2							
	STD	01100	03.75	34.85	27.71	00.655	1483.8							
	OBS	01100	03.75	34.85	27.71		1483.8							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8350 YEAR 1973 BOTOP 02120 AIR TEMP 07.8 DIR HGT PER WIND-DIR 28 INST STO RECORDER TEN SC 1307  
 CONSEC 0005 MONTH 11 SHIP MT WET BULB 07.2 25 7 7 WIND-SPD 22 TRACE DIR 0 5 SQUARE 1  
 LAT 42 24 N DAY 30 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION ORIGIN 029 2 SQUARE 20  
 LONG 050 13 W HOUR 20.9 AREA 05 CLOUD 1/A CL/TR WEATHER X6 ORIG A4 029 1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIG3	PH
20.9	STO	00000	03.34	33.04	26.31	00.000	1461.4							
	OBS	00000	03.34	33.04	26.31		1461.4							
	STO	00010	02.60	33.02	26.36	00.017	1456.3							
	OBS	00010	02.60	33.02	26.36		1456.3							
	STO	00020	02.40	33.09	26.43	00.033	1457.7							
	OBS	00020	02.40	33.09	26.43		1457.7							
	STO	00030	02.39	33.10	26.44	00.049	1457.5							
	OBS	00030	02.39	33.10	26.44		1457.9							
	STO	00050	02.02	33.10	26.47	00.081	1456.6							
	OBS	00050	02.02	33.10	26.47		1456.6							
	STO	00052	02.02	33.15	26.51		1456.7							
	OBS	00075	00.43	33.45	26.86	00.116	1450.3							
	STO	00075	00.43	33.45	26.86		1450.3							
	OBS	00100	- 0.30	33.75	27.14	00.142	1446.9							
	STO	00100	- 0.50											
	OBS	00125	03.74	33.51	27.21	00.165	1453.2							
	STO	00125	03.74	33.51	27.21		1453.2							
	OBS	00150	00.30	33.53	27.25	00.186	1451.7							
	STO	00150	00.30	33.53	27.25		1451.7							
	OBS	00200	00.78	34.06	27.34	00.225	1454.9							
	STO	00200	00.78	34.06	27.34		1454.9							
	OBS	00250	01.21	34.16	27.39	00.261	1457.8							
	STO	00250	01.21	34.16	27.39		1457.8							
	OBS	00300	02.54	34.50	27.55	00.293	1464.9							
	STO	00300	02.54	34.50	27.55		1464.9							
	OBS	00318	03.79	34.67	27.57		1470.6							
	STO	00335	03.70	34.69	27.59		1470.7							
	OBS	00348	03.34	34.64	27.59		1465.3							
	STO	00364	03.41	34.67	27.60		1465.9							
	OBS	00373	03.36	34.68	27.62		1465.9							
	STO	00400	03.43	34.71	27.63	00.346	1470.6							
	OBS	00400	03.43	34.71	27.63		1470.6							
	STO	00500	03.63	34.75	27.65	00.396	1473.2							
	OBS	00500	03.63	34.75	27.65		1473.2							
	STO	00600	03.71	34.77	27.65	00.446	1475.2							
	OBS	00600	03.71	34.77	27.65		1475.2							
	STO	00700	03.81	34.80	27.67	00.496	1477.3							
	OBS	00700	03.81	34.80	27.67		1477.3							
	STO	00800	03.82	34.80	27.67	00.546	1479.0							
	OBS	00800	03.82	34.80	27.67		1479.0							
	STO	00900	03.82	34.82	27.68	00.596	1480.7							
	OBS	00900	03.82	34.82	27.68		1480.7							
	STO	01000	03.83	34.85	27.69	00.647	1482.5							
	OBS	01000	03.83	34.83	27.69		1482.5							
	STO	01100	03.85	34.84	27.70	00.697	1484.2							
	OBS	01100	03.85	34.84	27.70		1484.2							
	STO	01154	03.91	34.86	27.71		1485.4							
	OBS	01200	03.79	34.85	27.71	00.747	1485.7							
	STO	01200	03.79	34.85	27.71		1485.7							
	OBS	01300	03.75	34.86	27.72	00.797	1487.2							
	STO	01300	03.75	34.86	27.72		1487.2							
	OBS	01371	03.85	34.88	27.73		1488.8							
	STO	01400	03.82	34.87	27.72	00.846	1489.2							
	OBS	01400	03.82	34.87	27.72		1489.2							
	STO	01500	03.83	34.88	27.73	00.899	1490.9							
	OBS	01500	03.83	34.88	27.73		1490.9							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

NOOC STATION DATA

REFID 31 0350	YEAR 1973	BO TOP J2960	AIR TEMP 07.2	OIR MGT PER	WIND-DIR 33	INST STO RECORDER	TEN SQ 1307
CONSEC 0006	MONTH 11	SHP HT	WET BULB 07.2	33 4 5	WIND-SPO 20	TRACE DIR 0	5 SQUARE 1
LAT 42 09 N	DAY 30	DATA USE 1	BAROMETR 1015.2	SEA	WIND-FOR	DURATION	2 SQUARE 20
LONG 050 20 W	HOOR 23.9	AREA 05	CLOUD T/A	CL/TRA	WEATHER X6	ORIG A4 025	1 SQUARE 20

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	QXTC	PO4	TOT P	NO2	NO3	SIG3	PH
23.9	STO	00000	06.47	32.65	25.65	00.000	1473.5							
	OBS	00000	06.47	32.69	25.65		1473.5							
	STO	00010	04.58	32.51	26.04	00.021	1468.3							
	OBS	00010	04.58	32.91	26.04		1468.3							
	STO	00020	03.11	32.93	26.25	00.040	1460.4							
	OBS	00020	03.11	32.93	26.25		1460.6							
	STO	00030	02.74	33.15	26.45	00.057	1459.6							
	OBS	00030	02.78	33.15	26.45		1455.6							
	OBS	00042	02.36	33.25	26.60		1458.2							
	STO	00050	02.25	33.43	26.72	00.086	1457.9							
	OBS	00050	02.23	33.43	26.72		1457.5							
	STO	00075	01.58	33.78	27.05	00.116	1456.0							
	OBS	00075	01.58	33.76	27.05		1456.0							
	STO	00100	00.86	34.05	27.34	00.138	1453.6							
	OBS	00100	00.86											
	STO	00125	01.13	34.29	27.49	00.155	1455.5							
	OBS	00125	01.13	34.29	27.49		1455.5							
	STO	00150	01.73	34.38	27.52	00.170	1456.7							
	OBS	00150	01.73	34.38	27.52		1458.7							
	STO	00200	03.16	34.56	27.54	00.198	1466.0							
	OBS	00200	03.16	34.56	27.54		1466.0							
	STO	00250	03.91	34.73	27.60	00.226	1470.2							
	OBS	00250	03.91	34.73	27.60		1470.2							
	STO	00300	04.26	34.86	27.67	00.250	1472.7							
	OBS	00300	04.26	34.86	27.67		1472.7							
	OBS	00330	04.80	34.93	27.66		1475.5							
	STO	00400	04.28	34.88	27.68	00.256	1474.5							
	OBS	00400	04.28	34.88	27.68		1474.5							
	OBS	00475	04.05	34.86	27.69		1474.8							
	STO	00500	04.28	34.50	27.70	00.342	1476.1							
	OBS	00500	04.28	34.50	27.70		1476.1							
	STO	00600	03.95	34.88	27.72	00.388	1476.4							
	OBS	00600	03.95	34.88	27.72		1476.4							
	OBS	00675	03.80	34.87	27.73		1477.0							
	STO	00700	03.85	34.88	27.73	00.432	1477.6							
	OBS	00700	03.85	34.88	27.73		1477.6							
	STO	00800	03.84	34.88	27.73	00.477	1476.2							
	OBS	00800	03.84	34.88	27.73		1479.2							
	STO	00900	03.67	34.87	27.74	00.521	1480.2							
	OBS	00900	03.67	34.87	27.74		1480.2							
	STO	01000	03.67	34.87	27.74	00.567	1481.8							
	OBS	01000	03.67	34.87	27.74		1481.8							
	STO	01100	03.67	34.88	27.75	00.612	1483.5							
	OBS	01100	03.67	34.88	27.75		1483.5							
	STO	01200	03.68	34.88	27.75	00.658	1485.2							
	OBS	01200	03.68	34.88	27.75		1485.2							
	STO	01300	03.65	34.89	27.75	00.705	1487.0							
	OBS	01300	03.69	34.89	27.75		1487.0							
	STO	01400	03.71	34.90	27.76	00.752	1488.8							
	OBS	01400	03.71	34.90	27.76		1488.8							
	STO	01500	03.75	34.51	27.76	00.799	1490.6							
	OBS	01500	03.75	34.51	27.76		1490.6							
	STO	01750	03.71	34.55	27.80	00.917	1494.7							
	OBS	01750	03.71	34.55	27.80		1494.7							
	STO	02000	03.57	34.95	27.81	01.033	1498.4							
	OBS	02000	03.57	34.95	27.81		1498.4							
	STO	02500	03.12	34.54	27.85	01.260	1505.0							
	OBS	02500	03.12	34.54	27.85		1505.0							
	STO	03000	02.72	34.54	27.87	01.475	1511.9							
	OBS	03000	02.72	34.92	27.87		1511.9							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

M O D C S T A T I O N D A T A

REFID 31 8300	YEAR 1973	6JTOP 03546	AIR TEMP 08.8	DIR HGT PER	WIND-DIR 33	INST STO RECORDER	TEN SQ 1307
CONSEC 0007	MONTH 12	SHIP HT	WET BULB 07.4	18 3 5	WIND-SPO 18	TRACE DIR 0	5 SQUARE 1
LAT 41 49 N	DAY 01	DATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 20 W	MOJR 05.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG_ A4 029	1 SQUARE 10

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SMD VEL	DXYG	P34	TOT P.	M02	M03	S103	PH
03.7	ST0	00000	06.75	32.67	25.64	00.000	1475.0							
	OBS	00000	06.75	32.67	25.64		1475.0							
	ST0	00010	06.60	32.65	25.68	00.023	1474.6							
	OBS	00010	06.60	32.65	25.68		1474.6							
	ST0	00020	06.26	32.72	25.74	00.046	1473.4							
	OBS	00020	06.26	32.72	25.74		1473.4							
	ST0	00030	05.75	32.75	25.82	00.069	1471.7							
	OBS	00030	05.75	32.75	25.82		1471.7							
	ST0	00050	04.30	32.93	26.13	00.109	1466.2							
	OBS	00050	04.30	32.93	26.13		1466.2							
	ST0	00075	02.46	33.33	26.62	00.151	1459.2							
	OBS	00075	02.46	33.33	26.62		1459.2							
	ST0	00100	01.25	33.81	27.10	00.181	1454.9							
	OBS	00100	01.25	33.81	27.10		1454.9							
	ST0	00112	01.73	34.03	27.24		1457.6							
	OBS	00112	01.73	34.03	27.24		1457.6							
	ST0	00125	01.27	33.99	27.24	00.204	1455.7							
	OBS	00125	01.27	33.99	27.24		1455.7							
	ST0	00150	01.47	34.18	27.38	00.223	1457.3							
	OBS	00150	01.47	34.18	27.38		1457.3							
	ST0	00200	03.74	34.64	27.55	00.255	1468.6							
	OBS	00200	03.74	34.64	27.55		1468.6							
	ST0	00211	04.66	34.80	27.58		1472.8							
	OBS	00211	04.66	34.80	27.58		1472.8							
	ST0	00226	04.50	34.79	27.59		1472.4							
	OBS	00226	04.50	34.79	27.59		1472.4							
	ST0	00245	04.56	34.80	27.59		1473.0							
	OBS	00245	04.56	34.80	27.59		1473.0							
	ST0	00250	04.50	34.88	27.61	00.282	1474.6							
	OBS	00250	04.50	34.88	27.61		1474.6							
	ST0	00256	05.19	34.53	27.62		1475.9							
	OBS	00256	05.19	34.53	27.62		1475.9							
	ST0	00285	04.51	34.85	27.59		1475.1							
	OBS	00285	04.51	34.85	27.59		1475.1							
	ST0	00300	05.23	34.55	27.63	00.308	1476.8							
	OBS	00300	05.23	34.55	27.63		1476.8							
	ST0	00320	05.10	34.92	27.62		1476.6							
	OBS	00320	05.10	34.92	27.62		1476.6							
	ST0	00332	05.16	34.53	27.62		1477.0							
	OBS	00332	05.16	34.53	27.62		1477.0							
	ST0	00351	04.52	34.52	27.64		1476.4							
	OBS	00351	04.52	34.52	27.64		1476.4							
	ST0	00400	04.60	34.85	27.65	00.358	1476.0							
	OBS	00400	04.60	34.85	27.65		1476.0							
	ST0	00500	04.18	34.87	27.69	00.400	1475.7							
	OBS	00500	04.18	34.87	27.69		1475.7							
	ST0	00600	04.13	34.85	27.71	00.453	1477.2							
	OBS	00600	04.13	34.85	27.71		1477.2							
	ST0	00700	04.01	34.85	27.72	00.458	1478.3							
	OBS	00700	04.01	34.85	27.72		1478.3							
	ST0	00800	03.57	34.85	27.72	00.544	1479.8							
	OBS	00800	03.57	34.85	27.72		1479.8							
	ST0	00800	03.97	34.85	27.72		1479.8							
	OBS	00800	03.97	34.85	27.72		1479.8							
	ST0	00900	03.90	34.90	27.74	00.589	1481.2							
	OBS	00900	03.90	34.90	27.74		1481.2							
	ST0	01000	03.84	34.90	27.74	00.634	1482.6							
	OBS	01000	03.84	34.90	27.74		1482.6							
	ST0	01100	03.68	34.88	27.75	00.680	1483.6							
	OBS	01100	03.68	34.88	27.75		1483.6							
	ST0	01200	03.67	34.88	27.75	00.726	1485.2							
	OBS	01200	03.67	34.88	27.75		1485.2							
	ST0	01300	03.70	34.85	27.75	00.773	1487.0							
	OBS	01300	03.70	34.85	27.75		1487.0							
	ST0	01400	03.67	34.89	27.75	00.820	1488.6							
	OBS	01400	03.67	34.89	27.75		1488.6							
	ST0	01500	03.70	34.92	27.78	00.867	1490.4							
	OBS	01500	03.70	34.92	27.78		1490.4							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

MOOC STATION DATA

REFID 51 8350	YEAR 1973	BOTOP 03475	AIR TEMP 09.5	DIR MGT PER	WIND-OIA 15	INST STO RECORDER	TEN 50 1307
CONSEC 0008	MONTH 12	SHIP HT	WET BULB 08.0	18 6 5	WIND-SPO 12	TRACE OIR 0	5 SQUARE 1
LAT 41 20 N	DAY 01	DATA USE 1	BAROMETR 1017.8	SEA	WIND-FOR	DURATION	2 SQUARE 00
LONG 050 20 W	MOJA 07.8	AREA 05	CLOUD T/A	CL/T/A	WEATHER X0	ORIG A4 029	1 SQUARE 10

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OATG	PO4	TOT P	MO2	NO3	SIO3	PH
07.8	ST0	00000	07.88	32.39	25.27	00.000	1475.1							
	085	00000	07.88	32.35	25.27		1475.1							
	085	00006	06.60	32.43	25.47		1474.2							
	ST0	00010	04.03	32.58	25.88	00.024	1463.5							
	085	00010	04.03	32.58	25.88		1463.9							
	085	00016	03.96	32.66	25.55		1463.6							
	ST0	00020	03.33	32.73	26.07	00.045	1461.3							
	085	00020	03.33	32.73	26.07		1461.3							
	085	00026	02.73	32.61	26.26		1459.0							
	ST0	00030	02.41	33.01	26.37	00.063	1457.8							
	085	00030	02.41	33.01	26.37		1457.8							
	085	00039	02.27	33.18	26.52		1457.6							
	ST0	00050	01.35	33.33	26.70	00.093	1453.9							
	085	00050	01.35	33.33	26.70		1453.9							
	085	00062	00.51	33.45	26.85		1450.5							
	ST0	00075	00.26	33.78	27.13	00.121	1450.0							
	085	00075	00.26	33.78	27.13		1450.0							
	ST0	00100	01.26	34.02	27.26	00.144	1455.3							
	085	00100	01.26	34.02	27.26		1455.3							
	ST0	00125	02.12	34.26	27.39	00.163	1459.8							
	085	00125	02.12	34.26	27.39		1459.8							
	ST0	00150	02.91	34.48	27.50	00.179	1464.0							
	085	00150	02.91	34.48	27.50		1464.0							
	085	00180	05.63	34.93	27.57		1470.5							
	ST0	00200	03.74	34.73	27.62	00.206	1468.7							
	085	00200	03.74	34.73	27.62		1468.7							
	085	00208	03.65	34.76	27.65		1468.5							
	ST0	00250	04.28	34.84	27.65	00.231	1471.9							
	085	00250	04.28	34.84	27.65		1471.9							
	ST0	00300	03.73	34.82	27.69	00.254	1470.4							
	085	00300	03.73	34.82	27.69		1470.4							
	085	00351	03.83	34.86	27.71		1471.7							
	ST0	00400	03.52	34.89	27.73	00.296	1473.0							
	085	00400	03.92	34.89	27.73		1473.0							
	085	00425	03.54	34.89	27.73		1473.5							
	085	00451	04.36	34.97	27.75		1475.8							
	085	00490	03.81	34.89	27.74		1474.0							
	ST0	00500	03.99	34.92	27.75	00.336	1474.9							
	085	00500	03.99	34.92	27.75		1474.9							
	085	00532	04.01	34.54	27.76		1475.6							
	085	00542	04.15	34.56	27.76		1476.4							
	085	00551	04.46	35.32	27.77		1477.9							
	ST0	00600	03.71	34.50	27.76	00.378	1475.4							
	085	00600	03.71	34.90	27.76		1475.4							
	085	00650	03.73	34.91	27.76		1476.3							
	ST0	00700	03.69	34.91	27.77	00.418	1477.0							
	085	00700	03.69	34.91	27.77		1477.0							
	085	00750	03.74	34.92	27.77		1478.0							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8350 YEAR 1973 BDTOP 0-155 AIR TEMP 15.6 DIR HGT PER \*IND-DIR 14 INST STO RECORDER TEN SU 1507  
 CCNSIC 0009 MOYTH 12 SHIP MT MET 8UL8 13.3 25 3 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 1  
 LAT 43 53 N DAY 31 DATA USE 1 BARDMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 00  
 LONG 050 20 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A4 029 1 SQUARE 00

CASTNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OAYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	ST0	00000	19.45	36.07	25.74	00.000	1521.9							
	085	00000	19.45	36.07	25.74		1521.9							
	ST0	00010	19.30	36.00	25.73	00.023	1521.5							
	085	00010	19.30	36.00	25.73		1521.5							
	ST0	00020	18.94	35.89	25.73	00.045	1520.6							
	085	00020	18.94	35.89	25.73		1520.6							
	ST0	00030	18.73	35.86	25.76	00.068	1520.1							
	085	00030	18.73	35.86	25.76		1520.1							
	ST0	00050	18.75	35.90	25.79	00.113	1520.5							
	085	00050	18.75	35.90	25.79		1520.5							
	ST0	00075	18.77	35.91	25.79	00.169	1521.0							
	085	00075	18.77	35.91	25.79		1521.0							
	ST0	00100	18.61	35.84	25.78	00.225	1520.9							
	085	00100	18.61	35.84	25.78		1520.9							
	085	00113	18.47	35.84	25.82		1520.7							
	ST0	00125	18.85	36.14	25.95	00.280	1522.3							
	085	00125	18.85	36.14	25.95		1522.3							
	ST0	00150	18.63	36.39	26.20	00.330	1522.4							
	085	00150	18.63	36.39	26.20		1522.4							
	ST0	00200	16.16	35.97	26.47	00.418	1515.5							
	085	00200	16.16	35.97	26.47		1515.5							
	085	00215	16.35	36.12	26.55		1516.5							
	ST0	00250	16.01	36.05	26.60	00.456	1516.0							
	085	00250	16.01	36.05	26.60		1516.0							
	ST0	00300	14.65	35.86	26.72	00.570	1512.4							
	085	00300	14.65	35.86	26.72		1512.4							
	085	00345	14.21	35.82	26.79		1511.5							
	085	00364	13.85	35.72	26.79		1510.5							
	ST0	00400	12.95	35.64	26.52	00.704	1508.1							
	085	00400	12.95	35.64	26.52		1508.1							
	085	00437	11.37	35.36	27.01		1502.9							
	ST0	00500	10.36	35.27	27.12	00.820	1500.2							
	085	00500	10.36	35.27	27.12		1500.2							
	085	00522	09.75	35.15	27.16		1498.3							
	ST0	00600	08.27	35.07	27.31	00.918	1493.9							
	085	00600	08.27	35.07	27.31		1493.9							
	085	00648	07.12	34.92	27.36		1490.1							
	085	00687	06.78	34.97	27.45		1485.5							
	ST0	00700	06.30	34.52	27.47	00.998	1487.7							
	085	00700	06.30	34.52	27.47		1487.7							
	085	00717	06.80	35.12	27.55		1450.5							
	085	00746	06.56	35.05	27.57		1489.7							
	085	00762	06.61	35.12	27.59		1490.2							
	ST0	00800	06.50	35.11	27.59	01.066	1490.4							
	085	00800	06.50	35.11	27.59		1490.4							
	085	00830	06.22	35.11	27.63		1489.8							
	085	00849	05.77	35.03	27.63		1488.2							
	ST0	00900	05.52	35.04	27.67	01.125	1488.0							
	085	00900	05.52	35.04	27.67		1488.0							
	ST0	01000	05.12	35.03	27.71	01.178	1488.1							
	085	01000	05.12	35.03	27.71		1488.1							
	ST0	01100	04.82	35.01	27.73	01.230	1488.5							
	085	01100	04.82	35.01	27.73		1488.5							
	ST0	01200	04.64	35.01	27.75	01.280	1485.4							
	085	01200	04.64	35.01	27.75		1485.4							
	ST0	01300	04.53	35.01	27.76	01.325	1490.6							
	085	01300	04.53	35.01	27.76		1490.6							
	ST0	01400	04.40	35.00	27.76	01.378	1491.8							
	085	01400	04.40	35.00	27.76		1491.8							
	085	01471	04.34	35.00	27.77		1492.7							
	085	01482	04.24	34.98	27.77		1492.4							
	ST0	01500	04.23	34.98	27.77	01.426	1492.7							
	085	01500	04.23	34.98	27.77		1492.7							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O O C S T A T I O N   O A T A

REFID 51 8550    YEAR 1973    SOTOP 03023    AIR TEMP 17.7    OIR MGT PER    WIND-OIR 17    INST STO RECORDER    TEN SG 1307  
 CONSEC 3310    MONTH 12    SHIP MT    WET BULB 13.5    17 2 2    WIND-SPO 25    TRACE DIR    0    5 SQUARE 1  
 LAT 40 33 N    DAY 31    DATA USE 1    BAROMETER 1315.6    SEA    WIND-FGR    DURATION    2 SQUARE 00  
 LONG 050 20 W    HOUR 15.9    AREA 05    CLOUD T/A    CL/TR    WEATHER X1    ORIG A4 029    1 SQUARE 00

CASNUM/TIC	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OATG	PO%	TOT P	NO2	NO3	S103	PH
15.9	STC	00000	20.70	36.33	25.61	00.000	1525.6							
	085	00000	20.70	36.33	25.61		1525.6							
	STC	00010	20.70	36.33	25.61	00.024	1525.7							
	085	00010	20.70	36.33	25.61		1525.7							
	STC	00020	20.70	36.33	25.61	00.048	1525.9							
	085	00020	20.70	36.33	25.61		1525.9							
	STC	00030	20.70	36.33	25.61	00.072	1526.1							
	085	00030	20.70	36.33	25.61		1526.1							
	STC	00050	20.70	36.32	25.60	00.120	1526.4							
	085	00050	20.70	36.32	25.60		1526.4							
	STC	00075	20.70	36.32	25.60	00.181	1526.8							
	085	00075	20.70	36.32	25.60		1526.8							
	STC	00100	20.71	36.32	25.60	00.241	1527.2							
	085	00100	20.71	36.32	25.60		1527.2							
	STC	00122	20.72	36.32	25.59	00.302	1527.6							
	085	00122	20.72	36.32	25.59		1527.6							
	STC	00125	20.64	36.38	25.66	00.358	1527.5							
	085	00125	20.64	36.38	25.66		1527.5							
	STC	00150	19.92	36.51	25.95	00.358	1526.1							
	085	00150	19.92	36.51	25.95		1526.1							
	STC	00177	19.23	36.46	26.09	00.436	1524.6							
	085	00177	19.23	36.46	26.09		1524.6							
	STC	00200	18.62	36.46	26.23	00.436	1523.9							
	085	00200	18.62	36.46	26.23		1523.9							
	STC	00236	18.20	36.44	26.34	00.550	1522.7							
	085	00236	18.20	36.44	26.34		1522.7							
	STC	00250	18.05	36.43	26.37	00.550	1522.5							
	085	00250	18.05	36.43	26.37		1522.5							
	STC	00300	17.74	36.42	26.44	00.636	1522.4							
	085	00300	17.74	36.42	26.44		1522.4							
	STC	00400	16.97	36.33	26.56	00.602	1521.6							
	085	00400	16.97	36.33	26.56		1521.6							
	STC	00459	16.02	36.12	26.62	00.957	1519.5							
	085	00459	16.02	36.12	26.62		1519.5							
	STC	00481	13.43	36.04	26.69	00.957	1517.9							
	085	00481	13.43	36.04	26.69		1517.9							
	STC	00500	14.89	35.92	26.72	00.957	1516.4							
	085	00500	14.89	35.92	26.72		1516.4							
	STC	00527	14.19	35.81	26.79	00.957	1514.4							
	085	00527	14.19	35.81	26.79		1514.4							
	STC	00540	13.85	35.77	26.83	00.957	1513.5							
	085	00540	13.85	35.77	26.83		1513.5							
	STC	00600	12.78	35.61	26.93	01.096	1510.7							
	085	00600	12.78	35.61	26.93		1510.7							
	STC	00700	10.08	35.28	27.18	01.213	1502.5							
	085	00700	10.08	35.28	27.18		1502.5							
	STC	00800	07.82	35.05	27.36	01.309	1495.5							
	085	00800	07.82	35.05	27.36		1495.5							
	STC	00900	06.49	34.94	27.46	01.391	1491.8							
	085	00900	06.49	34.94	27.46		1491.8							
	STC	00926	06.11	34.95	27.52	01.459	1490.2							
	085	00926	06.11	34.95	27.52		1490.2							
	STC	00959	05.94	34.91	27.51	01.459	1488.7							
	085	00959	05.94	34.91	27.51		1488.7							
	STC	01000	05.31	34.95	27.62	01.516	1486.9							
	085	01000	05.31	34.95	27.62		1486.9							
	STC	01073	04.59	34.94	27.69	01.516	1487.8							
	085	01073	04.59	34.94	27.69		1487.8							
	STC	01100	04.67	34.94	27.69	01.569	1488.3							
	085	01100	04.67	34.94	27.69		1488.3							
	STC	01157	04.57	34.95	27.71	01.569	1488.3							
	085	01157	04.57	34.95	27.71		1488.3							
	STC	01200	04.40	34.93	27.71	01.621	1485.8							
	085	01200	04.40	34.93	27.71		1485.8							
	STC	01256	04.29	34.92	27.71	01.673	1492.1							
	085	01256	04.29	34.92	27.71		1492.1							
	STC	01270	04.47	34.97	27.73	01.724	1493.5							
	085	01270	04.47	34.97	27.73		1493.5							
	STC	01300	04.36	34.94	27.72	01.724	1491.6							
	085	01300	04.36	34.94	27.72		1491.6							
	STC	01330	04.66	34.99	27.73	01.724	1492.1							
	085	01330	04.66	34.99	27.73		1492.1							
	STC	01400	04.49	34.98	27.74	01.724	1493.5							
	085	01400	04.49	34.98	27.74		1493.5							
	STC	01500	04.42	34.95	27.75	01.724	1493.5							
	085	01500	04.42	34.95	27.75		1493.5							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O D C S T A T I O N O A T A

REFID 51 8:50 YEAR 1973 BOTOP 05224 AIR TEMP 18.3 OIR MGT PER WIND-OIR 21 INST STD RECORDER TEN 53 1207  
CONSEC 0311 MONTH 12 SHIP HT WET 8UL8 13.9 18 2 3 WIND-SPO 23 TRACE OIR 0 5 SQUARE 3  
LAT 39 39 N DAY 01 DATA USE 1 BAROMETR 0997.6 SEA WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W HOUR 20.2 AREA 05 CLOUD T/A CL/TR WEATHER R1 DRIG\_ A4 025 1 SQUARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOMTH	SNO VEL	DRYG	PO4	TOT P	NO2	NO3	SI03	PH
20.2	STO	00000	20.13	36.23	25.68	00.000	1523.5							
	OBS	00000	20.13	36.23	25.68		1523.9							
	STO	00010	20.14	36.23	25.68	00.023	1524.1							
	OBS	00010	20.14	36.23	25.68		1524.1							
	STO	00020	20.14	36.23	25.68	00.046	1524.3							
	OBS	00020	20.14	36.23	25.68		1524.3							
	STO	00030	20.14	36.23	25.68	00.070	1524.4							
	OBS	00030	20.14	36.23	25.68		1524.4							
	STO	00050	20.15	36.23	25.68	00.116	1524.8							
	OBS	00050	20.15	36.23	25.68		1524.8							
	STO	00075	20.15	36.22	25.67	00.175	1525.2							
	OBS	00075	20.15	36.22	25.67		1525.2							
	STO	00100	20.13	36.22	25.68	00.234	1525.6							
	OBS	00100	20.13	36.22	25.68		1525.6							
	STO	00125	20.11	36.24	25.70	00.293	1525.9							
	OBS	00125	20.11	36.24	25.70		1525.9							
	STO	00150	19.14	36.38	26.06	00.348	1523.8							
	OBS	00150	19.14	36.38	26.06		1523.8							
	STO	00200	18.27	36.37	26.27	00.444	1522.2							
	OBS	00200	18.27	36.37	26.27		1522.2							
	STO	00250	17.66	36.20	26.29	00.595	1521.0							
	OBS	00250	17.66	36.20	26.29		1521.0							
	STO	00300	17.23	36.25	26.44	00.623	1520.7							
	OBS	00300	17.23	36.25	26.44		1520.7							
	STO	00400	15.50	36.04	26.68	00.785	1516.8							
	OBS	00400	15.50	36.04	26.68		1516.8							
	STO	00500	13.54	35.66	26.81	00.928	1511.7							
	OBS	00500	13.54	35.66	26.81		1511.7							
	STO	00600	11.52	35.40	27.01	01.057	1506.2							
	OBS	00600	11.52	35.40	27.01		1506.2							
	STO	00700	09.30	35.11	27.17	01.170	1495.5							
	OBS	00700	09.30	35.11	27.17		1495.5							
	STO	00800	07.55	35.01	27.37	01.265	1494.4							
	OBS	00800	07.55	35.01	27.37		1494.4							
	STO	00800	07.55	35.01	27.37		1494.4							
	OBS	00885	04.89	34.59	27.38		1486.6							
	STO	00930	05.21	34.82	27.53	01.341	1486.5							
	OBS	00930	05.21	34.82	27.53		1486.5							
	OBS	00944	05.60	34.53	27.57		1488.9							
	STO	01000	05.06	34.52	27.62	01.405	1487.8							
	OBS	01000	05.06	34.52	27.62		1487.8							
	OBS	01040	04.85	34.52	27.65		1487.5							
	STO	01100	05.36	35.05	27.65	01.462	1490.7							
	OBS	01100	05.36	35.05	27.69		1490.7							
	STO	01200	05.03	35.04	27.72	01.515	1491.0							
	OBS	01200	05.03	35.04	27.72		1491.0							
	STO	01300	04.77	35.02	27.74	01.567	1491.6							
	OBS	01300	04.77	35.02	27.74		1491.6							
	STO	01400	04.57	35.00	27.75	01.618	1492.5							
	OBS	01400	04.57	35.00	27.75		1492.5							
	STO	01500	04.35	34.98	27.75	01.665	1493.2							
	OBS	01500	04.35	34.98	27.75		1493.2							
	STO	01750	04.15	34.99	27.78	01.794	1496.6							
	OBS	01750	04.15	34.99	27.78		1496.6							
	STO	02000	03.92	34.57	27.79	01.919	1495.8							
	OBS	02000	03.92	34.57	27.79		1495.8							
	STO	02500	03.52	34.57	27.63	02.164	1506.7							
	OBS	02500	03.52	34.57	27.63		1506.7							
	STO	03000	03.17	34.96	27.66	02.401	1513.8							
	OBS	03000	03.17	34.96	27.86		1513.8							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N D O C S T A T I O N O A T A

REFID 51 8350 YEAR 1973 BOTOP 04962 AIR TEMP 17.2 OIR MGT PER WIND-OIR 20 INST STO RECORDER TEN 50 1207  
CONSEC 0012 MONTH 12 SMIP MI WET BULB 14.4 18 2 3 WIND-SPO 22 TRACE OIR 0 5 SQUARE 3  
LAT 15 20 N DAY 02 DATA USE 1 BAROMETER 1012.5 SEA WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W HOUR 02.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A4 029 1 SQUARE 90

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	DRYG	P34	TOT P	NO2	NO3	SIO3	PH
02.7	STO	00000	18.28	35.65	25.72	00.000	1516.1							
	085	00000	18.26	35.65	25.72		1518.1							
	STO	00010	18.38	35.64	25.69	00.023	1518.5							
	085	00010	18.38	35.64	25.69		1518.5							
	STO	00020	18.29	35.68	25.74	00.046	1518.5							
	085	00020	18.29	35.68	25.74		1518.5							
	STC	00030	18.34	35.67	25.72	00.069	1518.8							
	085	00030	18.34	35.67	25.72		1518.8							
	STO	00050	18.47	35.72	25.72	00.115	1519.5							
	085	00050	18.47	35.72	25.72		1519.5							
	STO	00075	18.69	35.78	25.71	00.172	1520.6							
	085	00075	18.69	35.78	25.71		1520.6							
	STO	00100	18.77	35.81	25.72	00.230	1521.3							
	085	00100	18.77	35.81	25.72		1521.3							
	STC	00125	17.06	35.85	26.20	00.285	1516.8							
	085	00125	17.06	35.85	26.20		1516.8							
	STO	00150	15.92	35.85	26.44	00.327	1513.8							
	085	00150	15.92	35.85	26.44		1513.8							
	085	00177	14.20	35.58	26.61		1508.4							
	STO	00200	14.44	35.78	26.71	00.403	1509.8							
	085	00200	14.44	35.78	26.71		1509.8							
	085	00208	14.81	35.92	26.74		1511.3							
	STO	00250	13.87	35.68	26.76	00.472	1508.7							
	085	00250	13.87	35.68	26.76		1508.7							
	STO	00300	13.22	35.63	26.85	00.538	1507.3							
	085	00300	13.22	35.63	26.85		1507.3							
	STO	00400	10.91	35.33	27.07	00.658	1500.6							
	085	00400	10.91	35.33	27.07		1500.6							
	STO	00500	09.30	35.17	27.22	00.761	1496.2							
	085	00500	09.30	35.17	27.22		1496.2							
	STO	00600	07.52	35.05	27.40	00.848	1491.0							
	085	00600	07.52	35.05	27.40		1491.0							
	STO	00700	06.39	35.05	27.56	00.919	1488.2							
	085	00700	06.39	35.05	27.56		1488.2							
	085	00741	06.06	35.04	27.60		1487.6							
	085	00755	05.93	35.03	27.61		1487.6							
	STO	00800	05.47	35.05	27.65	00.979	1487.0							
	085	00800	05.47	35.05	27.65		1487.0							
	085	00826	05.68	35.06	27.66		1487.5							
	085	00887	05.36	35.03	27.68		1487.2							
	STO	00900	05.41	35.06	27.69	01.031	1487.6							
	085	00900	05.41	35.06	27.69		1487.6							
	085	00951	05.13	35.03	27.70		1487.3							
	STO	01000	05.00	35.03	27.72	01.084	1487.6							
	085	01000	05.00	35.03	27.72		1487.6							
	085	01035	04.96	35.04	27.73		1488.0							
	085	01050	04.94	35.04	27.74		1488.2							
	STO	01100	04.74	35.01	27.73	01.134	1486.2							
	085	01100	04.74	35.01	27.73		1486.2							
	STO	01200	04.55	35.01	27.76	01.183	1485.0							
	085	01200	04.55	35.01	27.76		1485.0							
	STO	01300	04.30	34.98	27.76	01.231	1485.6							
	085	01300	04.30	34.98	27.76		1485.6							
	STO	01400	04.24	34.98	27.77	01.279	1491.1							
	085	01400	04.24	34.98	27.77		1491.1							
	STO	01500	04.17	34.97	27.77	01.328	1492.4							
	085	01500	04.17	34.97	27.77		1492.4							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O C S T A T I O N O A T A

REF ID: A550 YEAR 1973 BOTOP 0521# AIR TEMP 15.5 DIA HGT PER WIND-DIR 21 INST STO RECORDER TEN SQ 1207  
CONSEC 0015 MONTH 12 SHIP M7 MET BULB 13.3 18 3 4 WIND-SPD 22 TRACE DIR 0 5 SQUARE 3  
LAT 38 50 N DAY 02 DATA USE i BAROMETR 1009.0 SEA WIND-FOR DURATION 2 SQUARE 80  
LONG 050 20 W MOON 06.6 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORTG\_ A4 029 1 SQUARE 80

CASRN#	TIME	LVLTYP	DEPTH	TEMP	SAL	STGNA-T	OYNOP7M	SND VEL	DRYG	PD4	TOT P	NO2	NO3	STO3	PH
		STD	00000	17.72	35.56	25.79	00.000	1516.3							
08.6		J85	00000	17.72	35.56	25.79		1516.3							
		STD	00010	17.73	35.56	25.79	00.022	1516.5							
		O85	00010	17.73	35.56	25.79		1516.5							
		STD	00020	17.73	35.56	25.79	00.044	1516.7							
		O85	00020	17.73	35.56	25.79		1516.7							
		STD	00030	17.74	35.56	25.78	00.067	1516.9							
		O85	00030	17.74	35.56	25.78		1516.9							
		STD	00050	17.72	35.55	25.78	00.112	1517.2							
		O85	00050	17.72	35.55	25.78		1517.2							
		STD	00075	17.00	35.34	25.79	00.166	1515.2							
		O85	00075	17.00	35.34	25.79		1515.2							
		STD	00100	16.97	35.56	25.97	00.221	1515.8							
		J85	00100	16.97	35.56	25.97		1515.8							
		STD	00125	15.85	35.87	26.47	00.268	1513.2							
		O85	00125	15.85	35.87	26.47		1513.2							
		O85	00132	15.69	35.94	26.56		1512.9							
		STD	00150	15.14	35.81	26.58	00.307	1511.3							
		O85	00150	15.14	35.81	26.58		1511.3							
		O85	00179	14.61	35.82	26.71		1510.1							
		STD	00200	14.04	35.70	26.74	00.375	1508.4							
		O85	00200	14.04	35.70	26.74		1508.4							
		STD	00250	13.37	35.62	26.82	00.446	1507.0							
		J85	00250	13.37	35.62	26.82		1507.0							
		STD	00300	12.50	35.52	26.91	00.509	1504.7							
		O85	00300	12.50	35.52	26.91		1504.7							
		O85	00374	10.94	35.37	27.09		1500.4							
		STD	00400	10.55	35.31	27.12	00.623	1499.3							
		O85	00400	10.55	35.31	27.12		1499.3							
		STD	00500	08.62	35.12	27.29	00.720	1493.6							
		O85	00500	08.62	35.12	27.29		1493.6							
		STD	00600	07.26	35.06	27.45	00.802	1490.0							
		O85	00600	07.26	35.06	27.45		1490.0							
		STD	00700	06.15	35.04	27.59	00.869	1487.3							
		O85	00700	06.15	35.04	27.59		1487.3							
		O85	00732	05.92	35.03	27.61		1486.5							
		STD	00800	05.55	35.03	27.65	00.927	1486.5							
		O85	00800	05.55	35.03	27.65		1486.5							
		STD	00900	05.19	35.02	27.69	00.981	1486.7							
		O85	00900	05.19	35.02	27.69		1486.7							
		STD	01000	04.84	35.01	27.72	01.032	1486.9							
		O85	01000	04.84	35.01	27.72		1486.9							
		STD	01100	04.75	35.03	27.75	01.081	1486.2							
		O85	01100	04.75	35.03	27.75		1486.2							
		STD	01200	04.52	35.01	27.76	01.129	1486.9							
		O85	01200	04.52	35.01	27.76		1486.9							
		STD	01300	04.36	35.00	27.77	01.177	1489.9							
		O85	01300	04.36	35.00	27.77		1489.9							
		STD	01400	04.27	34.99	27.77	01.224	1491.2							
		O85	01400	04.27	34.99	27.77		1491.2							
		STD	01500	04.13	34.98	27.78	01.272	1492.5							
		O85	01500	04.13	34.98	27.78		1492.5							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

NOOC STATION DATA

REFID 31	#250	YEAR 1973	BOTOP 04113	AIR TEMP 17.2	OIR MGT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1207
CONSEC 0014	MONTH 12	SHIP HT	MET BULB 16.7	24 4 5	WIND-SPO 25	TRACE DIR 0	5 SQUARE 3	
LAT 38 20 N	DAY 02	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION	2 SQUARE 80	
LONG 150 20 W	MOJR 10.8	AREA 05	CLOUD T/A	CL/TR	WEATHER A6	ORIG A4 029	1 SQUARE 80	

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OAYG	PO4	TOT P	MO2	NO3	SIO3	PH
10.8	STO	00000	20.78	36.29	25.55	00.000	1525.7							
	OBS	00000	20.78	36.29	25.55		1525.7							
	STO	00010	20.78	36.25	25.55	00.024	1525.5							
	OBS	00010	20.78	36.25	25.55		1525.5							
	STO	00020	20.78	36.29	25.55	00.049	1526.1							
	OBS	00020	20.78	36.25	25.55		1526.1							
	STO	00030	20.77	36.29	25.56	00.073	1526.2							
	OBS	00030	20.77	36.29	25.56		1526.2							
	STO	00050	20.44	36.27	25.63	00.122	1525.6							
	OBS	00050	20.44	36.27	25.63		1525.6							
	STO	00075	20.29	36.30	25.69	00.181	1525.7							
	OBS	00075	20.29	36.30	25.69		1525.7							
	STO	00090	19.92	36.17	25.69		1524.8							
	OBS	00090	19.92	36.17	25.69		1524.8							
	STO	00100	19.92	36.18	25.70	00.239	1524.9							
	OBS	00100	19.92	36.18	25.70		1524.9							
	STO	00112	19.99	36.15	25.69		1525.3							
	OBS	00112	19.99	36.15	25.69		1525.3							
	STO	00120	19.92	36.25	25.75		1525.3							
	OBS	00120	19.92	36.25	25.75		1525.3							
	STO	00125	20.01	36.36	25.81	00.296	1525.8							
	OBS	00125	20.01	36.36	25.81		1525.8							
	STO	00150	19.64	36.51	26.03	00.350	1525.4							
	OBS	00150	19.64	36.51	26.03		1525.4							
	STO	00171	19.02	36.37	26.08		1523.8							
	OBS	00171	19.02	36.37	26.08		1523.8							
	STO	00200	18.29	36.37	26.27	00.447	1522.2							
	OBS	00200	18.29	36.37	26.27		1522.2							
	STO	00227	17.94	36.41	26.38		1521.7							
	OBS	00227	17.94	36.41	26.38		1521.7							
	STO	00250	16.79	36.15	26.46	00.534	1518.4							
	OBS	00250	16.79	36.15	26.46		1518.4							
	STO	00264	16.36	36.07	26.50		1517.2							
	OBS	00264	16.36	36.07	26.50		1517.2							
	STO	00280	16.53	36.18	26.55		1518.2							
	OBS	00280	16.53	36.18	26.55	00.615	1517.5							
	STO	00300	16.23	36.12	26.57		1517.5							
	OBS	00300	16.23	36.12	26.57		1517.5							
	STO	00330	15.22	35.92	26.65		1514.6							
	OBS	00330	15.22	35.92	26.65		1514.6							
	STO	00351	15.36	36.00	26.68		1515.5							
	OBS	00351	15.36	36.00	26.68		1515.5							
	STO	00363	15.02	35.93	26.70		1514.5							
	OBS	00363	15.02	35.93	26.70		1514.5							
	STO	00363	15.18	36.00	26.72		1515.1							
	OBS	00363	15.18	36.00	26.72		1515.1							
	STO	00400	14.18	35.72	26.72	00.766	1512.2							
	OBS	00400	14.18	35.72	26.72		1512.2							
	STO	00425	13.93	35.74	26.79		1511.8							
	OBS	00425	13.93	35.74	26.79		1511.8							
	STO	00460	13.23	35.62	26.84		1510.0							
	OBS	00460	13.23	35.62	26.84		1510.0							
	STO	00500	12.50	35.58	26.96	00.900	1508.1							
	OBS	00500	12.50	35.58	26.96		1508.1							
	STO	00503	13.54	35.28	27.09	01.017	1502.5							
	OBS	00503	13.54	35.28	27.09		1502.5							
	STO	00600	10.94	35.28	27.09		1502.5							
	OBS	00600	10.94	35.28	27.09		1502.5							
	STO	00631	05.77	35.16	27.14		1500.1							
	OBS	00631	05.77	35.16	27.14		1500.1							
	STO	00700	08.58	35.15	27.31	01.116	1496.4							
	OBS	00700	08.58	35.15	27.31		1496.4							
	STO	00742	07.73	35.05	27.37		1494.2							
	OBS	00742	07.73	35.05	27.37		1494.2							
	STO	00771	07.11	35.00	27.42		1492.2							
	OBS	00771	07.11	35.00	27.42		1492.2							
	STO	00800	06.66	35.01	27.49	01.200	1490.5							
	OBS	00800	06.66	35.01	27.49		1490.5							
	STO	00835	06.05	34.97	27.54		1489.2							
	OBS	00835	06.05	34.97	27.54		1489.2							
	STO	00900	05.63	35.05	27.62	01.267	1489.7							
	OBS	00900	05.63	35.05	27.62		1489.7							
	STO	00943	05.57	35.01	27.64		1488.9							
	OBS	00943	05.57	35.01	27.64		1488.9							
	STO	01000	05.31	35.03	27.68	01.324	1488.8							
	OBS	01000	05.31	35.03	27.68		1488.8							
	STO	01100	04.66	35.01	27.72	01.577	1488.7							
	OBS	01100	04.66	35.01	27.72		1488.7							
	STO	01200	04.70	35.00	27.73	01.428	1489.6							
	OBS	01200	04.70	35.00	27.73		1489.6							
	STO	01300	04.52	35.00	27.75	01.478	1490.6							
	OBS	01300	04.52	35.00	27.75		1490.6							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N O O C S T A T I O N D A T A

REFID 31 8:50 YEAR 1973 BOTOP 05244 AIR TEMP 21.1 OIR MGT PER WIND-OIR 30 INST STO RECORDER TEM SW 1207  
CONSEC 0015 MONTH 12 SHIP HT MET BULB 17.8 25 3 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 3  
LAT 37 50 N DAY 02 DATA USE 1 BAROMETR 1011.2 SEA CL/TR WIND-FOR DURATION 2 SQUARE 60  
LONG 050 20 W HOUR 15.2 AREA 05 CLOUD T/A WEATHER A1 ORIG\_ A4 025 1 SQUARE 70

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-7	QYNOPTM	SNO VEL	DAYG	P04	TOT P	NO2	NO3	S103	PH
15.2	ST0	00000	20.78	36.37	25.61	00.000	1525.8							
	085	00000	20.78	36.37	25.61		1525.8							
	ST0	00010	20.79	36.37	25.61	00.024	1526.0							
	085	00010	20.79	36.37	25.61		1526.0							
	ST0	00020	20.78	36.37	25.61	00.046	1526.2							
	085	00020	20.78	36.37	25.61		1526.2							
	ST0	00030	20.79	36.37	25.61	00.072	1526.4							
	085	00030	20.79	36.37	25.61		1526.4							
	ST0	00050	20.78	36.38	25.62	00.120	1526.7							
	085	00050	20.78	36.38	25.62		1526.7							
	ST0	00075	20.78	36.38	25.62	00.180	1527.1							
	085	00075	20.78	36.38	25.62		1527.1							
	ST0	00100	20.66	36.37	25.65	00.239	1527.2							
	085	00100	20.66	36.37	25.65		1527.2							
	ST0	00125	20.61	36.49	25.75	00.298	1527.6							
	085	00125	20.61	36.49	25.75		1527.6							
	ST0	00150	19.88	36.49	25.95	00.353	1526.0							
	085	00150	19.88	36.49	25.95		1526.0							
	ST0	00200	18.98	36.46	26.16	00.455	1524.3							
	085	00200	18.98	36.46	26.16		1524.3							
	ST0	00250	18.29	36.44	26.32	00.548	1523.2							
	085	00250	18.29	36.44	26.32		1523.2							
	ST0	00300	17.98	36.43	26.39	00.637	1523.1							
	085	00300	17.98	36.43	26.39		1523.1							
	ST0	00360	17.06	36.42	26.46		1523.1							
	085	00360	17.06	36.42	26.46		1523.1							
	ST0	00400	17.47	36.39	26.48	00.809	1523.2							
	085	00400	17.47	36.39	26.48		1523.2							
	ST0	00500	16.77	36.28	26.57	00.976	1522.6							
	085	00500	16.77	36.28	26.57		1522.6							
	ST0	00600	15.01	35.96	26.73	01.133	1518.5							
	085	00600	15.01	35.96	26.73		1518.5							
	ST0	00700	13.23	35.67	26.88	01.277	1514.0							
	085	00700	13.23	35.67	26.88		1514.0							
	ST0	00800	11.23	35.39	27.06	01.406	1508.4							
	085	00800	11.23	35.39	27.06		1508.4							
	ST0	00900	08.58	35.11	27.29	01.514	1500.1							
	085	00900	08.58	35.11	27.29		1500.1							
	ST0	01000	07.10	35.04	27.46	01.602	1496.0							
	085	01000	07.10	35.04	27.46		1496.0							
	ST0	01100	05.83	35.02	27.61	01.674	1492.6							
	085	01100	05.83	35.02	27.61		1492.6							
	ST0	01200	05.17	35.01	27.68	01.734	1491.6							
	085	01200	05.17	35.01	27.68		1491.6							
	ST0	01300	04.90	35.00	27.71	01.785	1492.1							
	085	01300	04.90	35.00	27.71		1492.1							
	ST0	01400	04.71	34.99	27.72	01.844	1493.0							
	085	01400	04.71	34.99	27.72		1493.0							
	ST0	01500	04.49	34.99	27.75	01.856	1493.8							
	085	01500	04.49	34.99	27.75		1493.8							

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TABLE XI. Observed oceanographic data occupied by USCGC HAMILTON (A4-29)  
30 November-2 December 1973.—Continued

N D D C S T A T I O N D A T A

REFID 51 8550 YEAR 1973 BOTDP 05251 AIR TEMP 20.0 DIR HGT PER WIND-DIR 27 INST STO RECDRDR TEM SG 1201  
 CONSEC 0016 MONTH 12 SHIP HT MET 6UL8 16.7 WIND-SPO 10 TRACE DIA 0 5 SQUARE 3  
 LAT 37 15 N DAY 02 DATA USE 1 BARDMETR 1010.5 SEA CL/TR WIND-FDR DURATIDM 2 SQUARE 6  
 LONG 050 07 W HOUR 18.5 AREA 05 CLDUD T/A WEATHER A1 DAIG A4 025 1 SQUARE 7

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGNA-T	DYNOPTH	SND VEL	DAYG	PJ4	TOT P	MO2	MO3	S103	PH
18.9	STO	00000	20.44	36.32	25.67	00.000	1524.9							
	DBS	00000	20.44	36.32	25.67		1524.9							
	STO	00010	20.44	36.32	25.67	00.023	1525.0							
	DBS	00010	20.44	36.32	25.67		1525.0							
	STO	00020	20.44	36.32	25.67	00.047	1525.2							
	DBS	00020	20.44	36.32	25.67		1525.2							
	STO	00030	20.43	36.32	25.67	00.070	1525.3							
	DBS	00030	20.43	36.32	25.67		1525.3							
	STO	00050	20.41	36.32	25.68	00.117	1525.6							
	DBS	00050	20.41	36.32	25.68		1525.6							
	STO	00075	20.38	36.31	25.68	00.176	1525.9							
	DBS	00075	20.38	36.31	25.68		1525.9							
	STO	00100	20.14	36.33	25.76	00.234	1525.7							
	DBS	00100	20.14	36.33	25.76		1525.7							
	STO	00125	18.53	36.37	26.10	00.287	1522.8							
	DBS	00125	18.53	36.37	26.10		1522.8							
	STO	00150	18.45	36.37	26.23	00.334	1521.9							
	DBS	00150	18.45	36.37	26.23		1521.9							
	STO	00200	17.97	36.35	26.33	00.425	1521.3							
	DBS	00200	17.97	36.35	26.33		1521.3							
	STO	00250	17.71	36.34	26.39	00.513	1521.4							
	DBS	00250	17.71	36.34	26.39		1521.4							
	STO	00300	17.43	36.30	26.42	00.599	1521.3							
	DBS	00300	17.43	36.30	26.42		1521.3							
	STO	00400	16.86	36.24	26.52	00.768	1521.2							
	DBS	00400	16.86	36.24	26.52		1521.2							
	STO	00500	15.75	36.06	26.64	00.929	1519.2							
	DBS	00500	15.75	36.06	26.64		1519.2							
	STO	00600	14.71	35.93	26.77	01.080	1517.5							
	DBS	00600	14.71	35.93	26.77		1517.5							
	STO	00700	13.16	35.69	26.91	01.221	1513.8							
	DBS	00700	13.16	35.69	26.91		1513.8							
	STO	00800	10.92	35.37	27.10	01.346	1507.3							
	DBS	00800	10.92	35.37	27.10		1507.3							
	STO	00900	09.35	35.21	27.24	01.455	1503.1							
	DBS	00900	09.35	35.21	27.24		1503.1							
	STO	01000	07.67	35.11	27.43	01.548	1498.3							
	DBS	01000	07.67	35.11	27.43		1498.3							
	STO	01100	06.04	35.05	27.61	01.622	1493.5							
	DBS	01100	06.04	35.05	27.61		1493.5							
	STO	01200	05.47	35.05	27.68	01.683	1492.8							
	DBS	01200	05.47	35.05	27.68		1492.8							
	STO	01300	05.01	35.03	27.72	01.739	1492.6							
	DBS	01300	05.01	35.03	27.72		1492.6							
	STO	01400	04.74	35.00	27.73	01.792	1493.1							
	DBS	01400	04.74	35.00	27.73		1493.1							
	STO	01500	04.58	34.99	27.74	01.845	1494.2							
	DBS	01500	04.58	34.99	27.74		1494.2							
	STO	01750	04.19	34.98	27.77	01.975	1496.7							
	DBS	01750	04.19	34.98	27.77		1496.7							
	STO	02000	03.55	34.97	27.79	02.102	1500.0							
	DBS	02000	03.55	34.97	27.79		1500.0							
	STO	02500	03.51	34.97	27.83	02.347	1506.6							
	DBS	02500	03.51	34.97	27.83		1506.6							
	STO	03000	03.14	34.96	27.86	02.584	1513.7							
	DBS	03000	03.14	34.96	27.86		1513.7							

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